1983 Collector Drawings

4-13 MK-100 (77) FIBERGLASS FLIGHT (TYP)

℄ & R DIA HEADSHAFT

40T DRIVEN SPROCKET

23T HEADSHAFT SPROCKET

20'-10½ @ HEADSHAFT

20'-10½ @ HEADSHAFT

44'-6

17T CORNERSHAFT SPROCKET

℄ HYDRAULIC DIVIDING WALL

14" DIA HOLE LOCATED ON HORIZ & VERT. ℄ OF SCREW CONVEYOR

160'-0 INSIDE TANK

819.75 ELEV

818.75 HYDRAULIC DIVIDING WALL ELEV

W.S. ELEV 817.75

℄ ELEV 819.75

W.S. ELEV. 817.75

22'-9

22'-3

44'-6

20'-0

20'-0

3'-0 TYP

2'-2 TYP

3" (TYP)

3" (TYP)

ELEV 802.75

17'-0 ℄ TO ℄ RAIL SLOTS (TYP)
℄ ℄ TO ℄ SPROCKETS (TYP)

17'-0 ℄ TO ℄ RAIL SLOTS & SPROCKETS TYP

2'-10½ TYP

2'-10½ TYP

18P ℄ SCREW CONVEYOR SEE H116644-201

℄ ELEV 796.75

SEE VIEW E

OF PUMPING STATION

797.75

795.5

SECTION "A-A" (SEE H116644-103)

RS88 ROLLER DRIVE CHAIN

NCS72.05 COLLECTOR CHAIN

ROTATE ANCHORS 90° ON OPPOSITE WALL

8'-0

11'-0

9'-6

SEE -102

(12) SPACES @ 10'-0 EQUALS 120'-0

8'-0

10'-1

147'-11½ ℄ - ℄ SPROCKETS

3¼ REF

(33) -116 MK-100 4 7/16 ⌀

INFLUENT CORNERSHAFT

TRAVEL 1 FPM

ELEV 802.75

2" PROJ

3" PROJ

SECTION "C-C" (SEE H116644-103)

TOP OF TRACK ANGLE CONSTANT ELEV 804.90

148'-3 @ W4x13 — T-RAILS NOT FURNISHED OR SET BY ENVIREX

"D"

"B"

149'-0

ELEV 796.75

5'-0

11'-0

10'-5Ø HOLE

13¢ SCREW ℄ CONV

4'-5Ø HOLE

ELEV 795.50

VIEW A-A

22'-3

22'-9

22'-3

SECTION "B-B"

TYP (3) PLACES

SYM ABOUT ℄ OF PUMPING STATION

SCREED CORNER WITH ITEM (75)

4 3" PROJ

819.75 ELEV

4'-0

10½" BUILDOUT FOR HEADSHAFT BEARINGS ON OUTSIDE WALLS AND CENTER HYDRAULIC DIVIDING WALL ONLY

11'-0

10'-6

(34) -115 MK-100 15/16 ⌀

EFFLUENT CORNER SHAFT

SECTION "C-C" (SEE H116644-103)

NO	MICRO FILMED	DESCRIPTION OF REVISION	BY	DATE
B		MK. NOS AND CUST. REVISIONS ADDED	DJK	4-5-83
A		COMPLETED DRAWING	DJK	3-24-83

NO. OF REVISIONS

CUSTOMER T. & B. SCOTT JACK CONTRACTING INC.
LOCATION ATLANTA, GA.
ENGINEER GORDIAN-GRAVES & GOULD, P.A.
CONFIDENTIAL - ALL RIGHTS RESERVED - PROPERTY OF Envirex a Rexnord Company Waukesha, WI 53187
DISTR'N P.O. NO. 9.0.0.3-55-1510

TOLERANCES UNLESS OTHERWISE SPECIFIED
STRUCTURAL ONE PLACE DEC ± .060 / TWO PLACE DEC ± .020 / THREE PLACE DEC ± .006
DIMENSIONS MACHINED 250 / SURFACES
SCALE
DRAWING MADE FROM H116644-101
DRN DJK PROJ ENGR DATE 5-3-83
CK'D REX APPR'D PROD ENGR

TITLE GENERAL ARRANGEMENT AND ANCHOR BOLT LOCATIONS FOR (8) CHAIN & SCRAPER SLUDGE COLLECTORS WITH (2) 90°-D CROSS SCREW CONV

DRAWING MADE NO H116644 — DRAWING NO H116644-101

90'-0 INSIDE TANK

GENERAL ARRANGEMENT SYMMETRICAL ABOUT ℄ OF PUMPING STATION

21'9 | 1'0 | 21'9 | 1'0 | 21'9

-113 MK-102 (77) FIBERGLASS FLIGHT (TYP)

℄ & R DIA HEADSHAFT

40T DRIVEN SPROCKET

23T HEADSHAFT SPROCKET

PLATFORM ELEV 819.75

W.S. ELEV 817.75

10½ | 20'10½ @ HEADSHAFT | 10½ | 20'10½ @ HEADSHAFT | 10½

22'9 | 22'3

44'-6 | 44'-6

17T CORNERSHAFT SPROCKET

℄ HYDRAULIC DIVIDING WALL

10½ | 20'-0 | 10½ | 10½ | 20'-0 | 10½

3'-0 (TYP) | 2'-2 (TYP)

3" (TYP) | 3" (TYP)

ELEV 802.75

1'-6 | 17'-0 ℄ TO ℄ RAIL SLOTS (TYP) ℄ ℄ TO ℄ SPROCKETS (TYP) | 1'-6 | 1'-4½ TYP | 1'-4½ TYP | 1'-6 | 17'-0 ℄ TO ℄ RAIL SLOTS & SPROCKETS TYP | 1'-6

2'-10½ | 2'-10½ TYP | 2'-10½ TYP | 2'-4½

14" DIA HOLE LOCATED ON HORIZ & VERT. ℄ OF SCREW CONVEYOR

18P ℄ SCREW CONVEYOR SEE H116644-201

ELEV 796.75

SEE VIEW 'E'

797.75

795.50

160'-0 INSIDE TANK

SECTION 'A-A' (SEE H116644-103)

819.75 ELEV

818.75 HYDRAULIC DIVIDING WALL ELEV

W.S. ELEV 817.75

RS88 ROLLER DRIVE CHAIN

NCS72DS COLLECTOR CHAIN

ROTATE ANCHORS 90° ON (2) OPPOSITE WALL

SEE -102

(12) SPACES @ 10'-0 EQUALS 120'-0

8'-0 | 10'-1

9'-6

147'-11½ ℄ - ℄ SPROCKETS

3¼ REF

-116 MK-100 (33) 4 7/16 ϕ

INFLUENT CORNERSHAFT

TRAVEL 1 FPM

ELEV 802.75

2" PROJ

SECTION "℄-℄" (SEE H116644-103)

TOP OF TRACK ANGLE CONSTANT ELEV 804.90 "D"

148'-3 ⚓ W4x13 — T-RAILS NOT FURNISHED OR SET BY ENVIREX

3" PROJ

ELEV 796.75

5'-0 | 11'-0 | 14'-0

10" SQ HOLE

18ϕ SCREW CONV

22'-3 | 22'-9 | 22'-3

2'-2 TYP | 3'-0 TYP

SCREED CORNER WITH ITEM (75)

819.75 ELEV

4'-0

10½" BUILDOUT FOR HEADSHAFT BEARINGS ON OUTSIDE WALLS AND CENTER HYDRAULIC DIVIDING WALL ONLY

11'-0 | 10'-6

-115 MK-100 (34) 3 15/16 ϕ

EFFLUENT CORNER SHAFT

SECTION "℄-℄" (SEE H116644-103)

SYM ABOUT ℄ OF PUMPING STATION

CUSTOMER T. J. SCOTT JACK CONTRACTORS INC

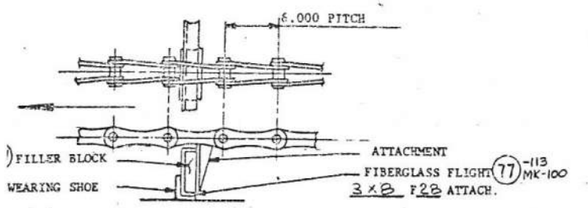
LOCATION ATLANTA, GA.

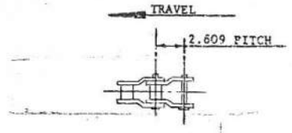
ENGINEER EVERGREEN SCALES & SYSTEMS

TOLERANCES UNLESS OTHERWISE SPECIFIED: ONE PLACE DEC ± .060; TWO PLACE DEC ± .005; THREE PLACE DEC ± .001; STRUCTURAL DIMENSIONS; MACHINED SURFACES 250

TITLE GENERAL ARRANGEMENT AND ANCHOR BOLT LOCATIONS FOR (8) CHAIN & SCRAPER SLUDGE COLLECTORS WITH

SEE INSTRUCTION MANUAL
FOR CHAIN ASSEMBLY





(93) DIRECTION OF TRAVEL OF #R588 CHABELCO DRIVE CHAIN (ROLLER)

DIRECTION OF TRAVEL OF NCS 720S NON-METALLIC CHAIN (91)(92)
ONGITUDINAL COLLECTOR:

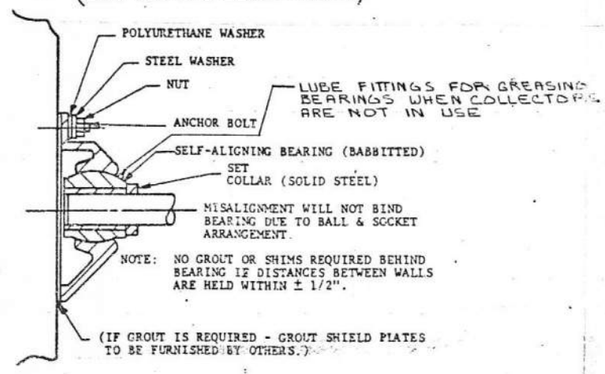
Total length of chain in one strand = 317 ft.

Chain may be furnished in 10, 7 OR 11 ft. long sections. Each section will include one rigid attachment.

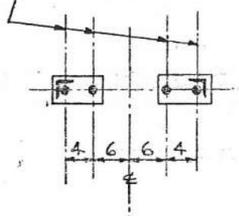
OTAL CHAIN FURNISHED:

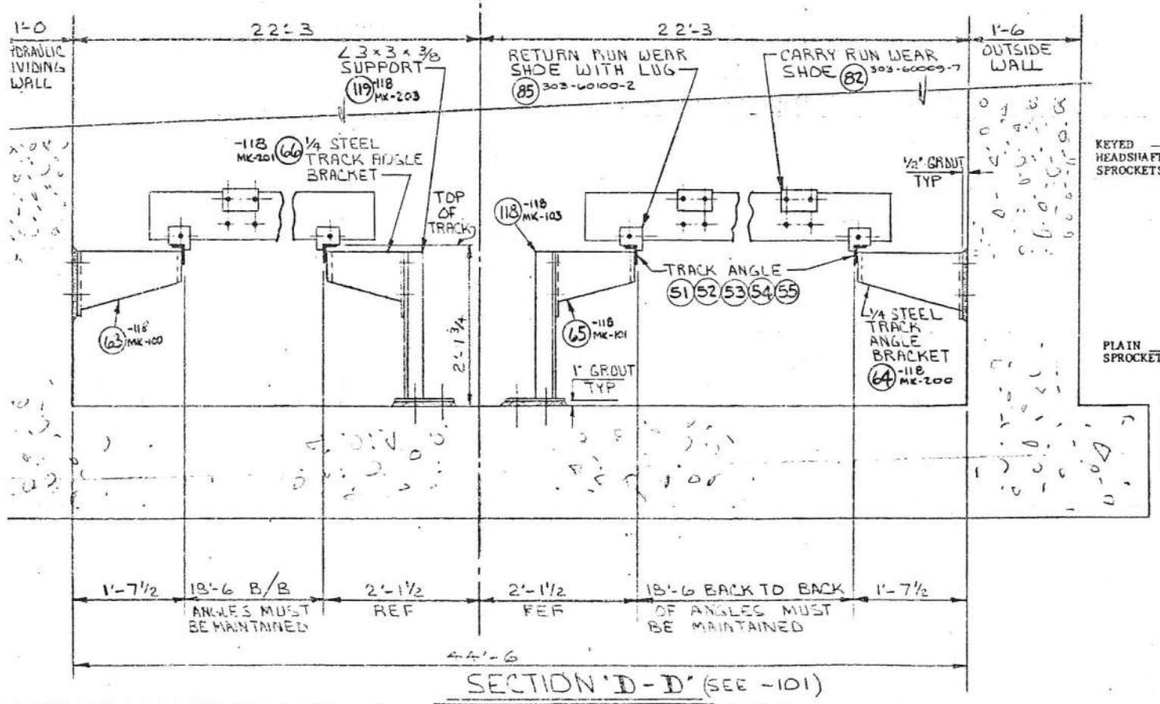
496	basic 10 ft. sections equal	4960	ft.
16	variable 7 ft. sections equal	112	ft.
	variable 11 ft. sections equal		ft.
	Total	5072	ft.

ASSEMBLY OF SELF-ALIGNING BEARING
(WITH ALEMITE LUBE FITTING)

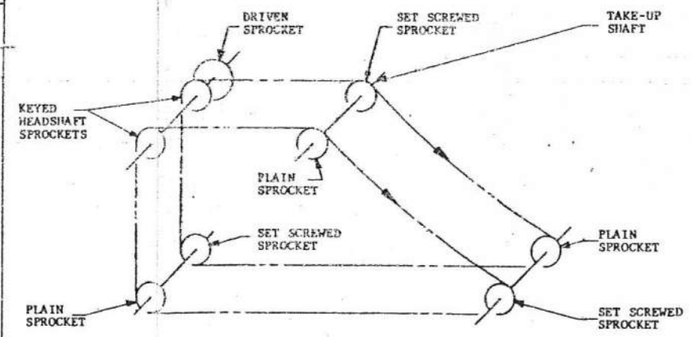


NOTE: ⚠
2½" PROJ (2) SEE H116644-101 FOR ANCHOR BOLT SPACINGS





SECTION 'D-D' (SEE -101)
TYPICAL TRACK ANGLE LOCATIONS



SCHEMATIC ARRANGEMENT OF SHAFT ASSEMBLIES

For 4-shaft sludge collectors
The 3-shaft sludge collectors ~~and exass conjectors~~ will be typical to the 4-shaft sludge collectors except that the take-up shaft is not required

LONGITUDINAL COLLECTOR

DRIVE MACHINERY: Drawing H116644-106

SPROCKETS: All sprockets will be Rex Temperim with hardened tooth bearing surfaces of 360 BHN minimum and 3/16" minimum chill depth (conforms to ASTM A-48 Class 20B) except headshaft sprocket (see description below). (Solid ✓) ~~(Split)~~ Hub Design

DRIVE SPROCKET: #78-11T-9.26 P.D. with bronze bushing and shear pin device; WITH LIMIT SWITCH ALARM MECHANISM.

DRIVEN SPROCKET: #78-40T-33.25 P.D. dished, keyed, Split

HEADSHAFT SPROCKET: #NCS 720S-23T-22.24 P.D. keyed (fabricated steel with hardness at root diameter of 450 BHN min.)

CORNER & TAKE-UP SHAFT SPROCKETS: #720S-17T-16.61 P.D.

COLLECTOR CHAIN: #NCS 720S non-metallic 6" pitch - 1.3# per foot - 1800# work load - links and attachments are of acetel resin - Snap Lock connecting pins are of reinforced nylon resin (no cotters or rivets required) - full depth attachments provided with four (4) 1/2 diameter 316 STN STL attachment bolts.

DRIVE CHAIN: #R588 CHABELCO FABRICATED STEEL ROLLER CHAIN 2.609 PITCH ~ 3.8 LBS PER FOOT ~ 2,450 LBS MAXIMUM WORK LOAD ~ 19,000 LBS MINIMUM ULTIMATE STRENGTH CARBURIZED BUSHINGS & PINS ~ THRU-HARDENED ROLLERS.

FLIGHTS: Fiberglass (with continuous full length filaments) - scraper lip - plastic filler blocks for bolting chain attachment links. 3 x 8 x 19-11 lg. spaced about 10-0 MAX apart ⚠

SHAFTING: All shafting shall be solid cold finished steel AISI C1018

Headshaft	4 15/16	diameter (with keyways)
Infl. Cornershaft	4 7/16	diameter
Effl. Cornershaft	3 15/16	diameter
~~Take-up Shaft~~		~~diameter~~

WEARING SHOES: 1/2" thick polyurethane (reversible) RETURN RUN WITH LUG

RETURN TRACK ANGLES: 3" x 2" x 3/8" steel ASTM A-36 with 1/4" thick track angle support brackets

CHAIN GUARDS: #14 GA. galvanized steel - enclosed type

SET COLLARS: Steel - solid type

18 DIA FULL PITCH SCREW CONVEYOR
CROSS COLLECTOR

DRIVE MACHINERY: Drawing H116644-201

DRIVE SPROCKET: Same as for longitudinal collector.

DRIVEN SPROCKET.

DRIVE CHAIN: Same as for longitudinal collector.

CHAIN GUARDS: SAME AS FOR LONGITUDINAL COLLECTOR EXCEPT OIL BATH TYPE FOR DRIVE CHAIN SPROCKETS.

PAINT NOTE: Drive chain, one coat of slush oil; exposed machined surfaces, one rust preventative coating of Mobil-arma #633; wood, non-ferrous and galvanized material unpainted; drive machinery, manufacturer's standard paint; all ferrous structural shapes, plates, SHAFTING AND CASTINGS WILL BE TREATED BY BLASTCLEANING PER SSPC-SP10 FOLLOWED BY ONE COAT OF SHOP PRIMER AS FOLLOWS:

Submerged surfaces: one shop coat of TNEMEC C66P-1211
4.0 mils dry film thickness HI-BUILD EPOXY PRIMER

Non-submerged surfaces: one shop coat of TNEMEC C66P-1211
4.0 mils dry film thickness HI-BUILD EPOXY PRIMER

Touch-up and all additional coats of paint not by Envirex.

CUSTOMERS NOTE: Envirex will furnish only those equipment items shown and/or noted on the drawings and as indicated in our proposal.

(72)(73)(74) ERECTION SHIMS: Use where necessary to align equipment (see instruction manual)

Refer to field connections drawing H116644-120 (71) for all fasteners and connections.

(110) ELECTRICAL CONTROLS FURNISHED BY ENVIREX
CA-3882 1. LIMIT SWITCH ~ (1) ONE FOR EACH DRIVE SPROCKET ASSEMBLY
NATIONAL ACME MODEL EA700-10137
w/o SPRING WITH (1) N.O. & (1) N.C. CONTACT
(ALARM NOT BY ENVIREX)

NOTE: FOR ELECTRICAL SCHEMATIC SEE ENGINEERS' DRAWING 3-N-3 SHT #186

WORK WITH H116644-201 & -301

CUSTOMER T.B. SCOTTDALE CONTR INC	TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE GENERAL ARRANGEMENT SPECIFICATIONS, DETAILS AND NOTES FOR SLUDGE COLLECTOR #P.E. SPECIFIED LENGTH NON-METALLIC CHAIN W/ FIBERGLASS FLIGHTS
LOCATION ATLANTA GA JW S43EA-N	ONE PLACE DEC ± .040	STRUCTURAL ± 1/8	
ENGINEER JORDAN, JONES & GOULDING INC	TWO PLACE DEC ± .020	DIMENSIONS ± 1/16	
CONFIDENTIAL - ALL RIGHTS RESERVED - PROPERTY OF	THREE PLACE DEC ± .005	MACHINED 250	
Envirex Waukesha WI 53186 A Rexnord Company	SCALE ~	SURFACES ✓	DRAWING MADE FROM 3-3-23 - ASE
	DRN DYL	APPD ENGR	DATE ISSUED 3-3-23
	DES	CHKD	PAGE

FINISH
DO NOT SCALE DRAWING

INC 1345 ADDED AND CUSTOMER NOTES (ALSO CORRECTIONS ADDED)	3A	4/6/23	
MARK			

ORDER NO. H116644
DRAWING NO. H116644-102
SHEET 2

BOTTOM PLAN

DETAIL "J"

SECTION "K-K"

DETAIL "G"

SECTION "H-H"

SECTION "E-E"

NOTE:
WORK THIS DWG WITH G.A. H116644-101 & -102 AND PLAN VIEW & A.B. H116644-104

NOTE:
3/8 ϕ COPPER TUBING, 3/8 ϕ TUBE CLAMPS, 1/8 ϕ ALEMITE LUBE FITTINGS AND IMPERIAL BRASS CONNECTORS FURNISHED FOR ALL HANGER BEARINGS, SELF-ALIGNING WALL BEARINGS, JOURNAL BEARINGS & STUFFING BOXES.

DRIVE DESCRIPTION: (31) -202 MK-100

EURODRIVE # R80P PARALLEL SHAFT HELICAL GEAR REDUCER WITH 38.42:1 RATIO & OUTPUT SHAFT R.P.M. OF 18.76 RATED TORQUE OF 7080 IN LB. COMPLETE WITH A 5 H.P. BALDOR DIRTY DUTY MOTOR — 1725 R.P.M. 460 VOLT 60 HZ 3 PHASE — CLASS 'B' INSULATION CONTINUOUS DUTY — SERVICE FACTOR 1.15 TOTALLY ENCLOSED FAN COOLED — 120 VOLT SPACE HEATER INCLUDED WITH SHEAR PINS AND LIMIT SWITCH.
ALSO COMPLETE WITH DRIVE SHEAVE, DRIVEN SHEAVE AND GOODYEHR BX42T V-BELT

NOTE:
THE LEADING AND OUTER EDGES OF THE FLIGHTS SHALL BE COATED WITH 'HARDEX' TO IMPROVE WEAR RESISTANCE.

MK- 100 -101 -102 -103
(35)(37)(39)(41) -206

18 ϕ SECTIONAL FLIGHT FULL PITCH SCREW CONVEYOR WITH 3/8 THICK STEEL FLIGHTS WELDED ON A 6 ϕ SCH 40 STEEL PIPE WITH END & DRIVE END BUSHED FOR 2 15/16 ϕ O.R.S. SHAFTS & CONNECTING ENDS BUSHED FOR 3 ϕ C.R. COUPLING SHAFTS. COMPLETE WITH (2) #220 BABBITTED HANGER BRG ASSYS WITH ALEMITE LUBE FITTINGS.

MK-NO'S & CUSTOMER NOTES ADDED	DJ	AN	4/1/03
DESCRIPTION OF REVISION	BY		DATE

CUSTOMER T & B SCOTTDALE CONTR INC.	
LOCATION ATLANTA GA	JOB NO 59354R1
ENGINEER JORDAN, JONES & GOULDING	

CONFIDENTIAL – ALL RIGHTS RESERVED – PROPERTY OF

Envirex
a Rexnord Company
Waukesha, WI 53186

TOLERANCES UNLESS OTHERWISE SPECIFIED
TWO PLACE DEC. ± .06
THREE PLACE DEC. ±
STRUCTURAL DIMENSIONS 1/8
MACHINED SURFACES 250
SCALE ~
DRAWING MADE FROM ~
DRN SYL | PROJ | DATE | VERIFIED | DATE

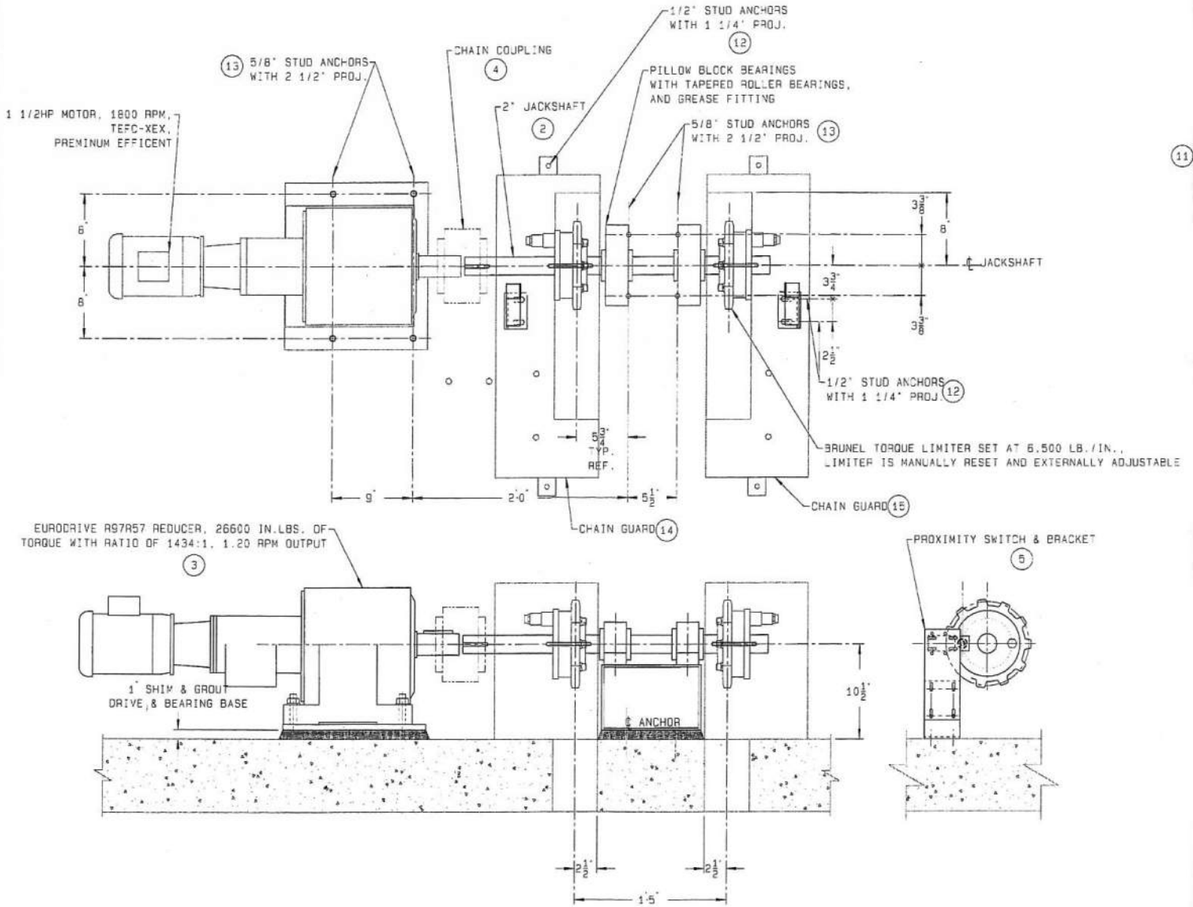
WEIGHT	H116644-(01)
ALL LENGTHS ARE FINAL UNLESS OTHERWISE SPECIFIED	ORDER NO H116644

ADV. ORD.	REF. SYM.	QUANT.	PART NUMBER	PART NAME OR MAT'L SIZE AND DESCR

TITLE G.A. & A.B. LOC
1B & SCR CONV CROSS COLL

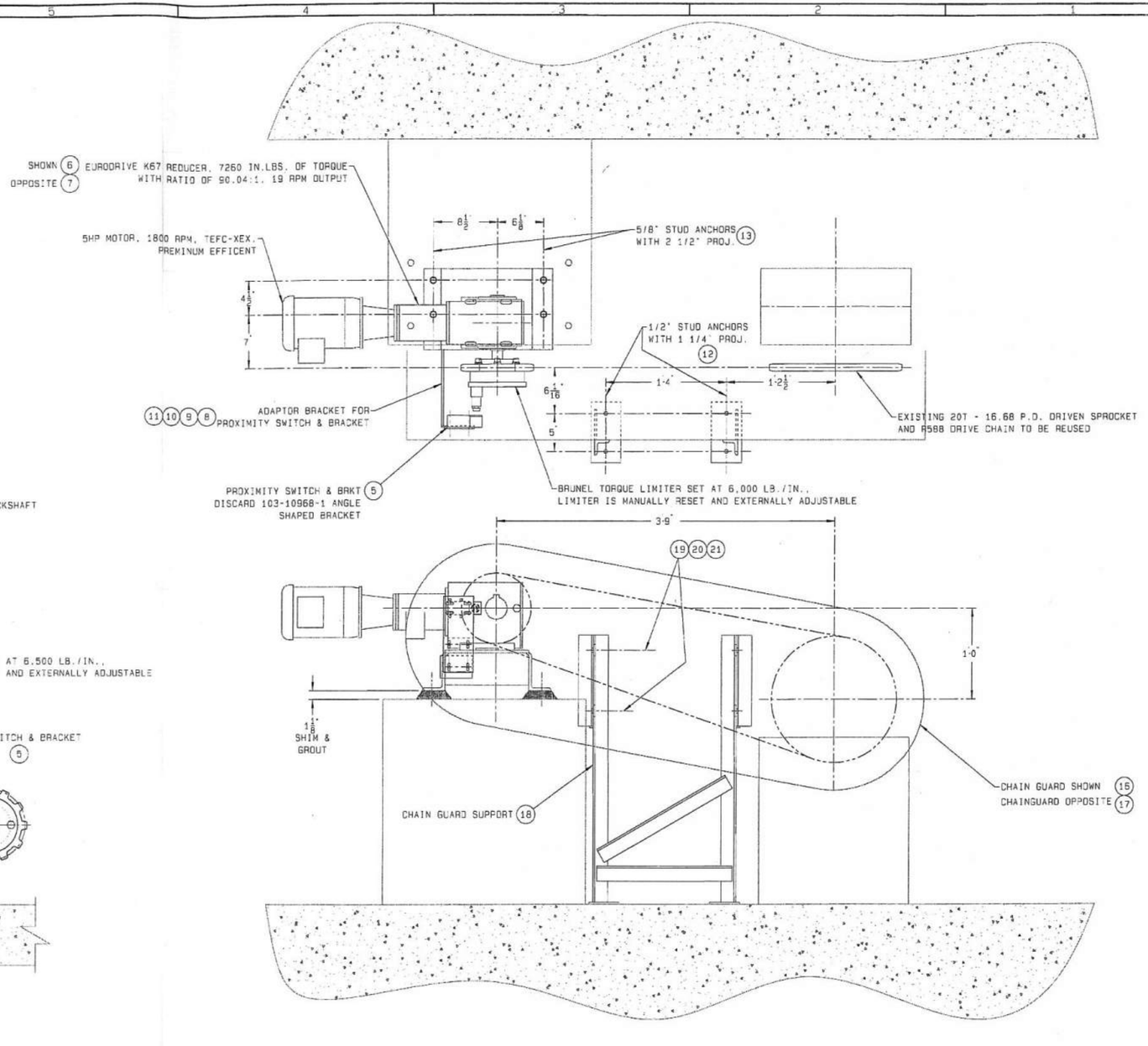
TITLE GENERAL ARRANGEMENT & ANCHOR BOLT LOCATION 18 ϕ SCREW CONVEYOR
ENG REF (2) CROSS COLLECTORS @ 90'-0 LONG
CUSTOMER ORDER NO
DRAWING NO
MICRO FILMED

2006 Replacement Drive Drawings



LONGITUDINAL DRIVES

TWO AS SHOWN



SCREW CONVEYOR DRIVES

ONE AS SHOWN
ONE OPPOSITE

SEE DRAWING 603-82012 SHEET 1 OF 2
FOR SETTING PROXIMITY SWITCHES

DIMENSIONS IN INCHES UNLESS SPECIFIED
TOLERANCES UNLESS OTHERWISE SPECIFIED
TWO (2) PLACE DECIMAL ± .06
THREE (3) PLACE DECIMAL ± .005
ANGULAR ± 30'
STRUCTURAL DIMENSIONS 11/16
MACHINED SURFACES 250

REV	DESCRIPTION	DATE	DWN	CHKD	APVD	ECN

COMPANY CONFIDENTIAL
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		DATE
DESIGNER	JCS	10-6-05
CHECKER	SCHRIEBER	10-06-05
ENGINEER	SCHRIEBER	
MANAGER		
FILE:		
SCALE:	0.1250	

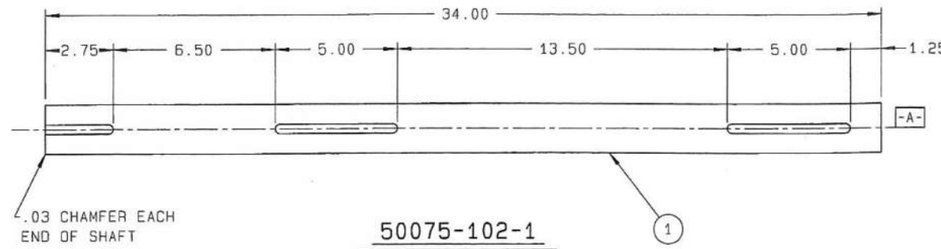
TITLE: NEW DRIVES FOR LONGITUDINALS AND CROSS SCREWS

CLIENT: WESTERN SUMMIT CONSTRUCTORS, INC
INTRENCHMENT CREEK CSO

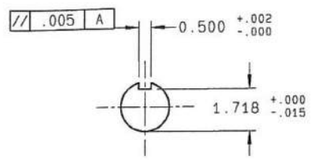
USFilter — Envirex Products, Waukesha, WI, 800-524-6324

PROJECT	CODE	DRAWING	SHEET	REV
50075-01	4001	50075-101	1 OF 1	-

STD: 2-0200-24x3601 | MADE FROM: | BAR = 1" AT PLOT SCALE



50075-102-1

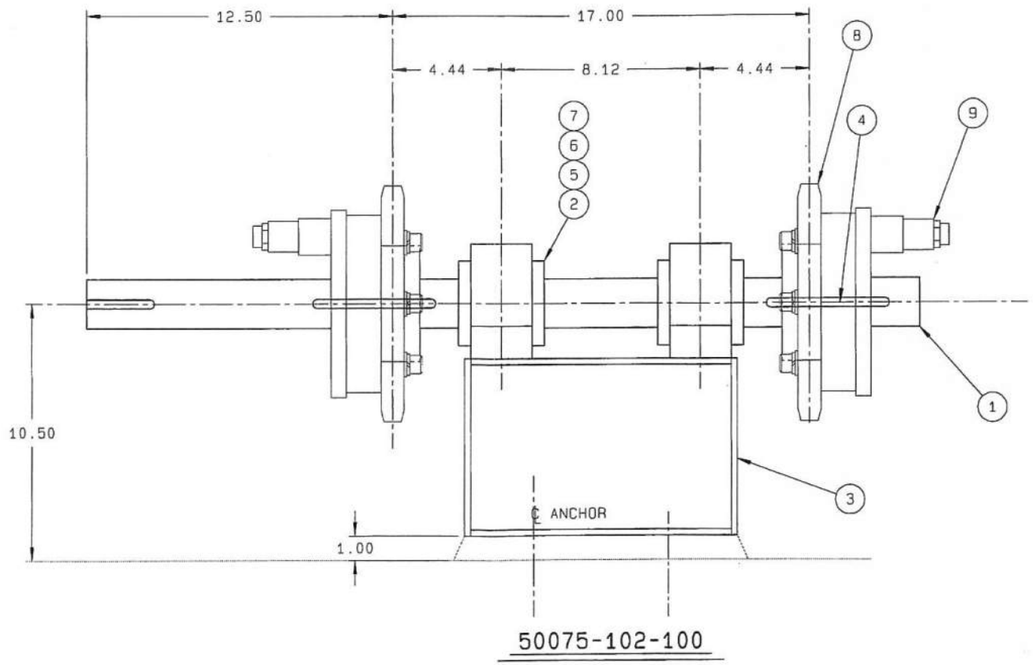


NOTES:

1. KEYSEATS NEED NOT BE IN LINE.

LIST OF COMPONENTS			ESTIMATED FINISHED WEIGHT SEE BELOW	DRAWING NUMBER 50075-102
TITLE JACKSHAFT ASS'Y			ALL LENGTHS ARE FINAL LENGTHS UNLESS OTHERWISE SPECIFIED	PROJECT NUMBER

ADVANCE ORDER	REF. SYMBOL	QUANTITY	PART NUMBER	DESCRIPTION
MATERIAL FOR ONE ASS'Y NO. 50075-102-100 WT. = 156#				
	1	1	50075-102-1	RD. 2 DIA x 34.00 1018CRS TG&P
	2	2	303-1975-7	BEARING 2" DIA. DODGE
	3	1	50075-103-100	SUPPORT BRACKET A36
	4	2	941-01840-4.00	BAR SQ. 1/2 x 4.00 1018
	5	4	841-10041	5/8" x 2.25 LG. HHCS 316 SS
	6	8	841-21991	5/8" CUTWASHER 316 SS
	7	4	841-21063	5/8" HEX NUT 316 SS
	8	2	15661-310-2	11T-9.26 P.D. SPROCKET
	9	2	303-80434-	BIBBIGARD TORQUE LIMITER EXTERNALLY
			21EA32S065	ADJUSTABLE, SET AT 6,500 LB.IN.



50075-102-100

ECN NUMBER	REV. NO.	MF	DESCRIPTION OF REVISION	REV. BY	DATE

LOCATION OF REVISION

SCALE 0.2500	DATE ISSUED 10-7-05	
DIMENSIONS IN INCHES UNLESS SPECIFIED		
TOLERANCES UNLESS OTHERWISE SPECIFIED		
TWO (2) PLACE DEC. ±.06 THREE (3) PLACE DEC. ±.005 ANGULAR ±.50°	STRUCTURAL DIMENSIONS ±1/16 MACHINED SURFACES 250	
DRAWN JCS	PROJECT ENG. SCHRIEBER	PRODUCT CODE 4001
CHECKED SCHRIEBER	APPROVED	DRAWING MADE FROM

CUSTOMER
LOCATION
ENGINEER

USFilter
Envirex Products
Waukesha, WI 800-524-6324

TITLE: JACKSHAFT ASS'Y

PART NUMBER

DRAWING NUMBER 50075-102

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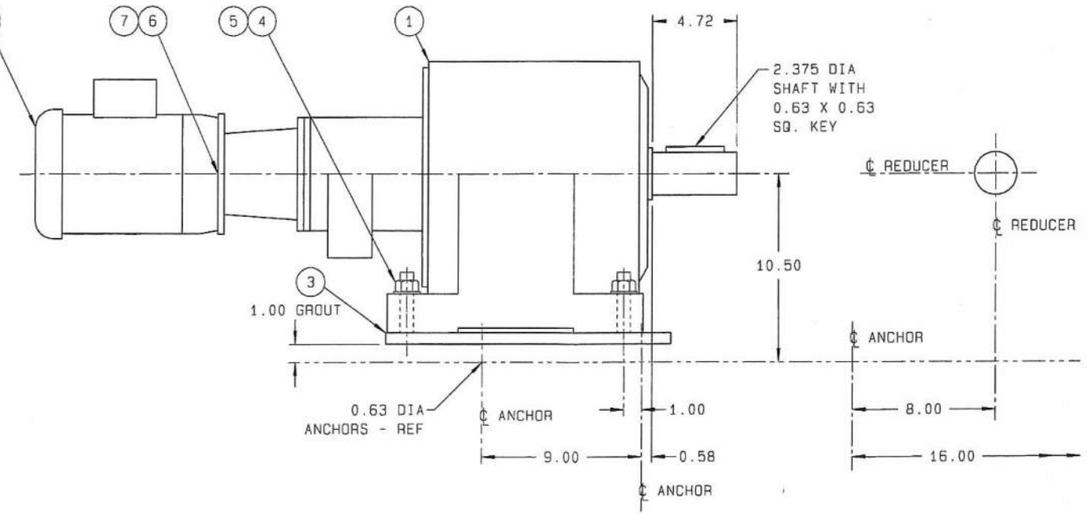
LIST OF COMPONENTS

TITLE: DRIVE ASSEMBLY - R90 SERIES	ESTIMATED FINISHED WEIGHT: 373#	DRAWING NUMBER: 50075-104	
	ALL LENGTHS ARE FINAL LENGTHS UNLESS OTHERWISE SPECIFIED	PROJECT NUMBER	

ADVANCE ORDER	REF. SYMBOL	QUANTITY	PART NUMBER	DESCRIPTION
MATERIAL FOR ONE ASSEMBLY 50075-104-100				
	1	1	303-70378-29	EURODRIVE R97R57AM145 REDUCER-1.2 RPM
	2	1	50075-104-2	MOTOR - 1-1/2HP TEFC-XE SAME AS
				303-70309-28 EXCEPT W/ 120V HEATER
	3	1	503-2942-80	DRIVE BASE
	4	4	841-20385	3/4 HEX NUT 316 SS
	5	4	841-22095	3/4 PLAIN WASHER 316 SS
	6	4	841-08686	3/8 x 1.00 HHCS 316 SS
	7	4	841-22495	3/8 LOCKWASHER 316 SS



ECN NUMBER	REV. NO.	MF	DESCRIPTION OF REVISION	REV. BY	DATE

LOCATION OF REVISION

SCALE: 0.1875	DATE ISSUED: 10-4-05	CUSTOMER	TITLE: DRIVE ASSEMBLY FOR JACKSHAFT R90 SERIES EURODRIVE WITH "C" FACE MOTOR C & S SLUDGE COLLECTOR
DIMENSIONS IN INCHES UNLESS SPECIFIED		LOCATION	
TOLERANCES UNLESS OTHERWISE SPECIFIED		ENGINEER	
TWO (2) PLACE DEC. ±.06; THREE (3) PLACE DEC. ±.005; ANGULAR ±.50°	STRUCTURAL DIMENSIONS ±1/16; MACHINED SURFACES 250	USFilter Envirex Products Waukesha, WI 800-524-6324	
DRAWN: JCS	PROJECT ENG.: SCHRIEBER	PRODUCT CODE: 4001	PART NUMBER:
CHECKED: SCHRIEBER	APPROVED:	DRAWING MADE FROM:	DRAWING NUMBER: 50075-104

2 1 0 E 3 8 5 5 D C B A

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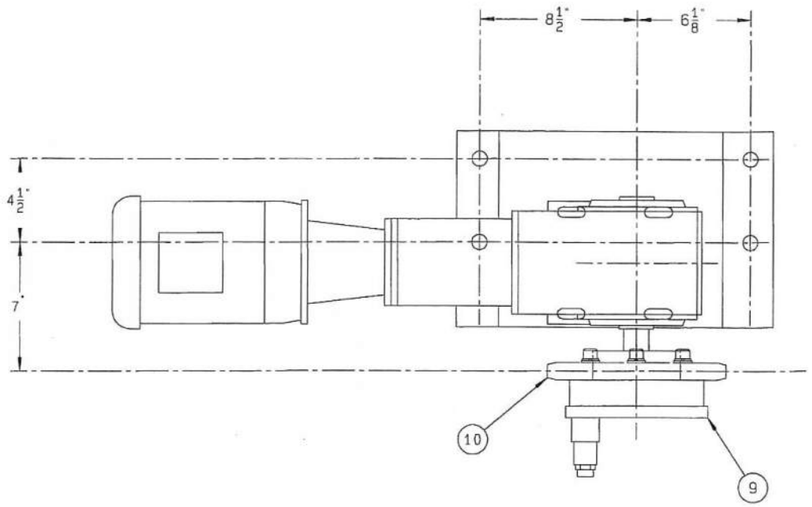
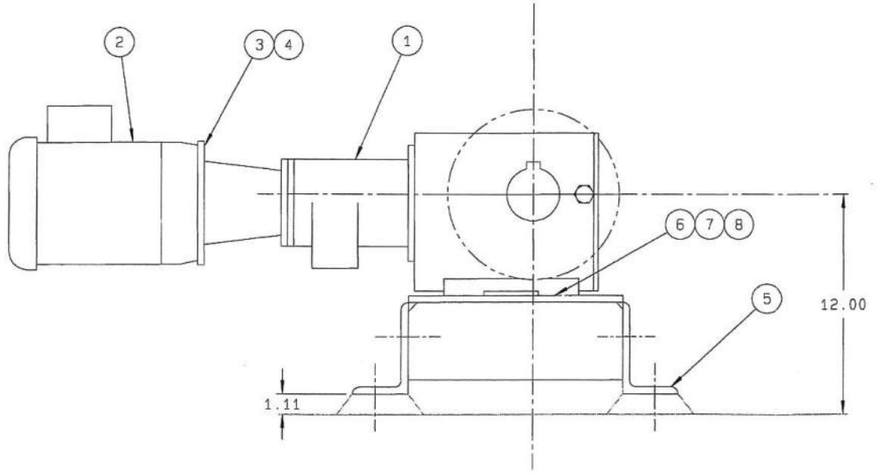
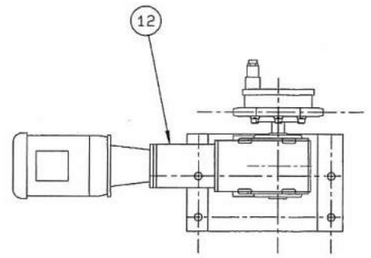




50075-105-100



50075-105-200

LIST OF COMPONENTS				ESTIMATED FINISHED WEIGHT SEE BELOW	DRAWING NUMBER 50075-105
TITLE DRIVE ASS'Y				ALL LENGTHS ARE FINAL LENGTHS UNLESS OTHERWISE SPECIFIED	PROJECT NUMBER
ADVANCE ORDER	REF. SYMBOL	QUANTITY	PART NUMBER	DESCRIPTION	
MATERIAL FOR ONE 50075-105-100 WT.=294#					
	1	1	50075-107-1	REDUCER K67AM182 19RPM	
	2	1	50075-105-2	MOTOR 5HP TEFC-XEX SAME AS 303-70309	
				-47 EXCEPT W/ 120V HEATER	
	3	4	841-09375	1/2" x 1.50 LG. HHCS 316SS	
	4	4	841-22555	1/2" LOCKWASHER 316SS	
	5	1	50075-109-100	DRIVE BASE A36	
	6	4	841-09375	1/2" x 1.50 LG. HHCS 316SS	
	7	8	841-21935	1/2" WASHER 316SS	
	8	4	841-20944	1/2" LOCKNUT 316SS	
	9	1	303-80434-	BIBBIGARD TORQUE LIMITER EXTERNALLY	
			21EA26S060	ADJUTABLE, SET AT 6,000 LB.IN.	
	10	1	15661-310-2	11T-9.26P.D. SPROCKET	
	11				
MATERIAL FOR ONE 50075-105-200 SAME AS 50075-105-100 EXCEPT DELETE ITEM 1 AND ADD FOLLOWING; WT.=294#					
	12	1	50075-108-1	REDUCER K67AM182 19RPM	

ECN NUMBER	REV. NO.	MF	DESCRIPTION OF REVISION	REV. BY	DATE

LOCATION OF REVISION

SCALE 0.1875	DATE ISSUED 10-7-05	CUSTOMER	TITLE DRIVE ASS'Y FOR SCREW CONVEYOR
DIMENSIONS IN INCHES UNLESS SPECIFIED		LOCATION	
TOLERANCES UNLESS OTHERWISE SPECIFIED		ENGINEER	
TWO (2) PLACE DEC. ±.05 THREE (3) PLACE DEC. ±.005 ANGULAR ±.50°	STRUCTURAL DIMENSIONS ±1/16 MACHINED SURFACES 250	USFilter Envirex Products Waukesha, WI 800-524-6324	PART NUMBER
DRAWN JCS	PROJECT ENG. SCHRIEBER	PRODUCT CODE 4001	DRAWING NUMBER 50075-105
CHECKED SCHRIEBER	APPROVED	DRAWING MADE FROM	

Exhibit C1

1981 Intrenchment Creek CSO Treatment Plant

2008 Intrenchment Creek CSO Treatment Plant

PART - 1

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PART - 1

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54	3-P-21	FLOCCULATION BASIN SECTION
55	3-P-22	CLARIFIER TYPICAL BOTTOM PLAN
56	3-P-23	CLARIFIER TYPICAL TOP PLAN
57	3-P-24	CLARIFIER SECTIONS & DETAILS
58	3-P-25	CLARIFIER SECTIONS
59	3-P-26	CLARIFIER SECTIONS & DETAILS
60	3-P-27	CLARIFIER SECTIONS & DETAILS
61	3-P-28	CLARIFIER SCUM PIPE SECTIONS & DETAILS
62	3-P-29	SLUDGE PUMP STATION PLAN & SECTIONS
63	3-P-30	SLUDGE PUMP STATION SECTIONS & DETAILS
64	3-P-31	SLUDGE HOLDING TANK PLANS SECTIONS, & DETAILS
65	3-P-32	SLUDGE HOLDING TANK SECTIONS & DETAILS
66	3-P-33	SOLIDS PROCESSING PUMP STATION PLAN & SECTIONS
67	3-P-34	CENTRIFUGE PLATFORM BOTTOM PLAN
68	3-P-35	CENTRIFUGE PLATFORM TOP PLAN & DETAILS
69	3-P-36	CENTRIFUGE PLATFORM SECTIONS
70	3-P-37	DETAIL SHEET
71	3-P-38	DETAIL SHEET
72	3-P-39	DETAIL SHEET

SHEET NUMBER	DRAWING NUMBER	SHEET TITLE
ARCHITECTURAL DRAWINGS		
73	3-A-1	STATIC SCREENS BUILDING BOTTOM FLOOR PLAN
74	3-A-2	STATIC SCREENS BUILDING TOP FLOOR PLAN
75	3-A-3	STATIC SCREENS BUILDING ROOF PLAN
76	3-A-4	STATIC SCREENS BUILDING, NORTH ELEVATION
77	3-A-5	STATIC SCREENS BUILDING, WEST ELEVATION
78	3-A-6	STATIC SCREENS BUILDING, SOUTH ELEVATION
79	3-A-7	STATIC SCREENS BUILDING, EAST ELEVATION
80	3-A-8	STATIC SCREENS BUILDING, WALL SECTIONS
81	3-A-9	STATIC SCREENS BUILDING, STAIR SECTION AND DETAILS
82	3-A-10	CLARIFIER CONTROL BUILDING, FLOOR PLAN, ROOF PLAN AND ELEVATIONS
83	3-A-11	SOLIDS PROCESSING PUMP STATION, FLOOR AND ROOF PLANS
84	3-A-12	SOLIDS PROCESSING PUMP STATION, ELEVATIONS
85	3-A-13	WALL SECTIONS
86	3-A-14	DOOR SCHEDULE AND DETAILS
87	3-A-15	MISCELLANEOUS DETAILS
STRUCTURAL DRAWINGS		
88	3-S-1	GENERAL STRUCTURAL SITE PLAN
89	3-S-2	STATIC SCREEN BUILDING-FOUNDATION PLAN
90	3-S-3	STATIC SCREEN BUILDING-BOTTOM FLOOR PLAN
91	3-S-4	STATIC SCREEN BUILDING-SECTIONS & DETAILS I
92	3-S-5	STATIC SCREEN BUILDING-SECTIONS & DETAILS II
93	3-S-6	STATIC SCREEN BUILDING-DECK PLAN
94	3-S-7	STATIC SCREEN BUILDING-SECTIONS & DETAILS III
95	3-S-8	STATIC SCREEN BUILDING-SECTIONS & DETAILS IV
96	3-S-9	STATIC SCREEN BUILDING-DECK FRAMING PLAN
97	3-S-10	STATIC SCREEN BUILDING-SECTIONS & DETAILS V
98	3-S-11	STATIC SCREEN BUILDING-SECTIONS & DETAILS VI
99	3-S-12	STATIC SCREEN BUILDING-SECTIONS & DETAILS VII
100	3-S-13	STATIC SCREEN BUILDING-ROOF FRAMING PLAN & DETAILS
101	3-S-14	FLOCCULATION BASIN & RAPID MIX TANK-GENERAL PLAN
102	3-S-15	RAPID MIX TANK-PLANS & SECTIONS
103	3-S-16	RAPID MIX TANK-REINFORCEMENT DETAILS I
104	3-S-17	RAPID MIX TANK-REINFORCEMENT DETAILS II
105	3-S-18	OVERHEAD CONCRETE CHANNEL
106	3-S-19	RAPID MIX TANK-STAIRWAY DETAILS
107	3-S-20	RAPID MIX TANK-STAIRWAY REINFORCEMENT DETAILS
108	3-S-21	FLOCCULATION BASIN-DECK PLAN
109	3-S-22	FLOCCULATION BASIN-FOUNDATION PLAN
110	3-S-23	FLOCCULATION BASIN-SECTIONS & DETAILS I
111	3-S-24	FLOCCULATION BASIN-SECTIONAL REINFORCEMENT PLAN
112	3-S-25	FLOCCULATION BASIN-SECTIONS & DETAILS II
113	3-S-26	FLOCCULATION BASIN-SECTIONS & DETAILS III
114	3-S-27	FLOCCULATION BASIN-SECTIONS & DETAILS IV
115	3-S-28	CLARIFIERS-GENERAL PLAN
116	3-S-29	CLARIFIERS-DECK PLAN
117	3-S-30	CLARIFIERS-FOUNDATION PLAN
118	3-S-31	CLARIFIERS-SECTIONS & DETAILS I
119	3-S-32	CLARIFIERS-SECTIONS & DETAILS II
120	3-S-33	CLARIFIERS-SECTIONS & DETAILS III
121	3-S-34	CLARIFIERS-SECTIONS & DETAILS IV
122	3-S-35	CLARIFIERS-SECTIONAL REINFORCEMENT PLAN I
123	3-S-36	CLARIFIERS-SECTIONAL REINFORCEMENT PLAN II
124	3-S-37	CLARIFIERS-SECTIONS & DETAILS V
125	3-S-38	CLARIFIERS-SECTIONS & DETAILS VI
126	3-S-39	CLARIFIERS-SECTIONS & DETAILS VII
127	3-S-40	CLARIFIERS-SECTIONS & DETAILS VIII
128	3-S-41	SLUDGE PUMPING STATION -FLOOR PLAN
129	3-S-42	SLUDGE PUMPING STATION-ROOF PLAN
130	3-S-43	SLUDGE PUMPING STATION-FOUNDATION PLAN
131	3-S-44	SLUDGE PUMPING STATION-SECTIONS & DETAILS I
132	3-S-45	SLUDGE PUMPING STATION-CLARIFIER CONTROL ROOM-PLAN & SECTIONS
133	3-S-46	SLUDGE PUMPING STATION-SECTIONS & DETAILS II
134	3-S-47	SLUDGE PUMPING STATION-SECTIONS & DETAILS III
135	3-S-48	SLUDGE PUMPING STATION-DECK REINFORCEMENT PLAN
136	3-S-49	SLUDGE PUMPING STATION-SECTIONS & DETAILS IV
137	3-S-50	SLUDGE PUMPING STATION-CLARIFIER CONTROL ROOM-DETAILS I
138	3-S-51	SLUDGE PUMPING STATION-CLARIFIER CONTROL ROOM-DETAILS II
139	3-S-52	SLUDGE PUMPING STATION-SECTIONS & DETAILS V
140	3-S-53	SLUDGE PUMPING STATION-SECTIONS & DETAILS VI
141	3-S-54	SLUDGE PUMPING STATION-SECTIONS & DETAILS VII
142	3-S-55	SLUDGE HOLDING TANK - PLAN
143	3-S-56	SLUDGE HOLDING TANK - SECTION
144	3-S-57	SLUDGE HOLDING TANK - REINFORCEMENT PLANS

SHEET NUMBER	DRAWING NUMBER	SHEET TITLE
145	3-S-58	SLUDGE HOLDING TANK - SECTIONS & DETAILS
146	3-S-59	CENTRIFUGE PLATFORM - DECK PLAN
147	3-S-60	CENTRIFUGE PLATFORM - BOTTOM SLAB & FOUNDATION PLAN
148	3-S-61	CENTRIFUGE PLATFORM - SECTIONS & DETAILS I
149	3-S-62	CENTRIFUGE PLATFORM - SECTIONS & DETAILS II
150	3-S-63	CENTRIFUGE PLATFORM - SECTIONS & DETAILS III
151	3-S-64	CENTRIFUGE PLATFORM - SECTIONS & DETAILS IV
152	3-S-65	CENTRIFUGE PLATFORM - FRAMING PLAN & ELEVATION
153	3-S-66	CENTRIFUGE PLATFORM - FRAMING ELEVATIONS & DETAILS
154	3-S-67	CENTRIFUGE PLATFORM - SLAB REINFORCEMENT & DETAILS
155	3-S-68	CENTRIFUGE PLATFORM - SECTIONS & DETAILS V
156	3-S-69	SOLIDS PROCESSING PUMP STATION - PLAN & SECTIONS
157	3-S-70	SOLIDS PROCESSING PUMP STATION-FOUNDATION PLAN & SECTIONS
158	3-S-71	SOLIDS PROCESSING PUMP STATION - ROOF PLAN & DETAILS
159	3-S-72	SOLIDS PROCESSING PUMP STATION - SECTIONS & DETAILS
160	3-S-73	SOLIDS PROCESSING PUMP STATION - RETAINING WALL DETAILS
161	3-S-74	STRUCTURAL STANDARD REINFORCEMENT DETAILS I
162	3-S-75	STRUCTURAL STANDARD REINFORCEMENT DETAILS II
163	3-S-76	STANDARD STRUCTURAL NOTES
MECHANICAL DRAWINGS		
164	3-M-1	STATIC SCREENS BUILDING TOP FLOOR HVAC & PLUMBING
165	3-M-2	STATIC SCREENS BUILDING BOTTOM FLOOR HVAC & PLUMBING
166	3-M-3	SLUDGE PUMP STATION & CLARIFIER CONTROL ROOM HVAC & PLUMBING
167	3-M-4	SOLIDS PROCESSING PUMP STATION & CENTRIFUGE CONTROL ROOM HVAC & PLUMBING
ELECTRICAL DRAWINGS		
168	3-E-1	SYMBOLS & GENERAL NOTES
169	3-E-2	SITE PLAN
170	3-E-3	POWER DISTRIBUTION, SINGLE LINE DIAGRAM
171	3-E-4	MOTOR CONTROL CENTER MCCCF, STATIC SCREEN BUILDING
172	3-E-5	STATIC SCREEN BUILDING - 2ND FLOOR, POWER & LIGHTING
173	3-E-6	STATIC SCREEN BUILDING - 1ST FLOOR
174	3-E-7	STATIC SCREEN BUILDING - 1ST FLOOR, POWER & LIGHTING
175	3-E-8	MOTOR CONTROL CENTER MCCSP, CLARIFIER CONTROL ROOM
176	3-E-9	CLARIFIERS, FLOCCULATION BASIN & RAPID MIX TANK
177	3-E-10	CLARIFIER CONTROL BUILDING & SLUDGE PUMP STATION DETAILS
178	3-E-11	SLUDGE PUMP STATION
179	3-E-12	SOLIDS PROCESSING BUILDING, POWER & LIGHTING
180	3-E-13	CENTRIFUGE & SLUDGE HOLDING TANK, POWER & LIGHTING
181	3-E-14	MISC. DETAILS
182	3-E-15	MISC. DETAILS
183	3-E-16	MISC. DETAILS
INSTRUMENTATION & CONTROLS DRAWINGS		
184	3-N-1	INSTRUMENTATION & CONTROLS SYMBOLS & GENERAL NOTES
185	3-N-2	P. & I.D.
186	3-N-3	ELEMENTARY DIAGRAMS, MCCSP & CPSP
187	3-N-4	INSTRUMENTATION CONTROL PANEL, CPSP
188	3-N-5	ELEMENTARY DIAGRAMS, MCCCF & CPCF
189	3-N-6	INSTRUMENTATION CONTROL PANEL, CPCF
190	3-N-7	ELEMENTARY DIAGRAMS, MCCCB & CPCB
191	3-N-8	ELEMENTARY DIAGRAMS, MCCSB
192	3-N-9	INSTRUMENTATION CONTROL PANEL, CPCB

Property
of
WWS ENGINEERING GROUP
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12 73

ABBREVIATIONS

AB.	ANCHOR BOLTS
A/B	AGGREGATE BASE
ABUT.	ABUTMENT
A.C.	ASPHALT CONCRETE
A/C	AIR CONDITIONING
ACP.	ASBESTOS CEMENT PIPE
AHD.	AHEAD
ALT.	ALTERNATE
APPROX.	APPROXIMATE
ARCH.	ARCHITECTURE
ASB.	AGGREGATE SUB BASE
AUX.	AUXILIARY
AVE.	AVENUE
AVG.	AVERAGE
AWG.	AMERICAN WIRE GAUGE
&	AND
@	AT
AFF	ABOVE FINISHED FLOOR
B	BEAM
B.F.	BLIND FLANGE
B/F	BOTTOM FACE
BIT.	BITUMINOUS
BK.	BACK
BKF.	BACKFILL
℄	BUILDING LINE OR BASE LINE
B.L.	BOTTOM LAYER
B.H.	BORE HOLE
BM.	BENCH MARK
BO.	BLOW-OFF
BOD.	BIOCHEMICAL OXYGEN DEMAND
BOT.	BOTTOM
BP.	BEARING PILE
B. PL.	BASE PLATE
BRG.	BEARING
BRKT.	BRACKET
BSMT.	BASEMENT
B & S	BELL AND SPIGOT
BV.	BUTTERFLY VALVE
BFP	BACKFLOW PREVENTER
C.B.	CATCH BASIN
C/C	CENTER TO CENTER
℄	CIRCUMFERENCE
C.I.	CAST IRON
CIP.	CAST IRON PIPE
CI/P	CAST IN PLACE
℄	CENTER LINE
C.L.	CURB LINE
CLR.	CLEAR
C.G.	CENTER OF GRAVITY
C/G	CONCRETE GUTTER
C.J.	CONSTRUCTION JOINT
C/O	CLEAN OUT
CO.	COUNTY
COL.	COLUMN
COMB.	COMBINED
CONC.	CONCRETE
CMP.	CORRUGATED METAL PIPE

COMP.	COMPRESSION
CONN.	CONNECTION
C.P.	CONCRETE PIPE
CSO.	COMBINED SEWER OVERFLOW
CORR.	CORRUGATED
CONT.	CONTINUOUS
CONTR.	CONTRACTION
CULV.	CULVERT
CTB.	CEMENT TREATED BASE
C & G	CURB AND GUTTER
CTR.	CENTER
CUMM.	CUMMULATIVE
CONST.	CONSTRUCTION
CW	COLD WATER
D.L.	DEAD LOAD
DEG. OR( )°	DEGREE
DET.	DETAIL
DEFL.	DEFLECTION
DEPT.	DEPARTMENT
D.I.	DROP INLET
DIA.	DIAMETER
DIAG.	DIAGONAL OR DIAGRAM
DIAPH.	DIAPHRAGM
DIFF.	DIFFERENT
DIM.	DIMENSION
DN.	DOWN
DO.	DITTO
DWG.	DRAWING
DWL.	DOWEL
DWLG.	DWELLING
DWY.	DRIVEWAY
DBL	DOUBLE
E	EAST
EA.	EACH
ED.	ENERGY DISSIPATOR
E.E.	EACH END
E.F.	EACH FACE
EL.	ELEVATION
ELECT.	ELECTRICAL
=	EQUAL
E.P.	EDGE OF PAVEMENT
EPA.	ENVIRONMENTAL PROTECTION AGENCY
EPD.	ENVIRONMENTALPROTECTION DIVISION
EQ.	EARTH QUAKE FORCE
E.S.	EDGE OF SHOULDER OR EACH SIDE
ESC.	ESCALATOR
E.W.	EACH WAY
EXC.	EXCAVATION
EXIST.	EXISTING
EXP.	EXPANSION
EXT.	EXTERIOR
E.W.E.F.	EACH WAY EACH FACE
FB	FLOOR BEAM
FD.	FLOOR DRAIN
F.F.	FAR FACE
F. TO F.	FACE TO FACE

FIN.	FINISH
FL.	FLOOR
FM.	FORCE MAIN
F.P.	FULL PENETRATION
FR.	FRAME
F.S.	FAR SIDE
FT. OR ( )'	FEET OR FOOT
FTG.	FOOTING
FURN.	FURNISH
G	GRATING OR GRATE
GA.	GAGE OR GAUGE
GAL.	GALLON
GALV.	GALVANIZED
GEN.	GENERAL
GM.	GAS METER
GR.	GRADE
GRD.	GROUND
G.V.	GATE VALVE
HEX.	HEXAGON
HORIZ.	HORIZONTAL
HP.	HORSE POWER
H. PT.	HIGH POINT
HR.	HAND RAIL
H.S. BOLT	HIGH STRENGTH BOLT
HT.	HEIGHT
H.W.	HEAD WALL
HWY.	HIGHWAY
HxWXD	HEIGHT BY WIDTH BY DEPTH
HK.	HOOK
HB.	HOSE BIBB
I.D.	INSIDE DIAMETER
I.F.	INSIDE FACE
I.L.	INSIDE LAYER
IN. OR ( )"	INCHES OR INCH
INCL.	INCLUSIVE OR INCLUDING
I.R.	INSIDE RADIUS
INT.	INTERIOR
INV.	INVERT
JT.	JOINT
K	KIP OR KIPS
K.F.	KIP FOOT
KLF.	KIPS PER LINEAR FOOT
KSF.	KIPS PER SQUARE FOOT
KSI.	KIPS PER SQUARE INCH
L	LENGTH
LB.	POUNDS OR POUND
L.H.	LEFT HAND
LIN.	LINEAR OR LINEAL
L.J.	LEADED JOINT

L.L.	LIVE LOAD
LONGIT.	LONGITUDINAL
L. PT.	LOW POINT
L.P.	LOW PRESSURE
LT.	LEFT.
MAX.	MAXIMUM
MAINT.	MAINTENANCE
MECH.	MECHANICAL
MEZZ.	MEZZANINE
MG.	MILLION GALLONS
MGD.	MILLION GALLONS PER DAY
MH.	MANHOLE
ML.	MIDDLE LAYER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
( )'	MINUTE
MSL.	MEAN SEA LEVEL
N	NORTH
NA.	NOT APPLICABLE
N.F.	NEAR FACE
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
#	NUMBER (REBAR SIZE)
NOM.	NOMINAL
NS.	NEAR SIDE
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.F.	OUTSIDE FACE
OH.	OVERHEAD
O.L.	OUTSIDE LAYER
O. TO O.	OUT TO OUT
OPP.	OPPOSITE
OPP. HD.	OPPOSITE HAND
OPNG.	OPENING
O.R.	OUTSIDE RADIUS
P.O.E.	
PC.	PRECAST
PCF.	POUNDS PER CUBIC FOOT
PCC.	PORTLAND CEMENT CONCRETE
PED.	PEDESTRIAN
PGL.	PROFILE GRADE LINE
PL.	PLATE
℄	PROPERTY LINE
PLF.	POUNDS PER LINEAR FOOT
P/S	PRESTRESSED
P.S.	PUMP STATION
P.S.F.	POUNDS PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
PROJ.	PROJECTION
PV	PLUG VALVE
PVMT.	PAVEMENT
PJF	PREMOLDED JOINT FILLER

R	RADIUS
RB.	ROOF BEAM
RCP.	REINFORCED CONCRETE PIPE
RD.	ROAD
RECT.	RECTANGULAR
REF.	REFERENCE
REQ'D.	REQUIRED
RET.	RETAINING
REV.	REVISION
R.H.	RIGHT HAND
RM.	ROOM
R.N.	REFERENCE NORTH
RQD.	ROCK QUALITY DESIGNATION
RT.	RIGHT
R/W	RIGHT OF WAY
RR.	RAILROAD
RND.	ROUNDING
REM	REMAINDER
RED.	REDUCER
S	SOUTH
SEC. OR ( )"	SECONDS OR SECOND
SECT.	SECTION
SERV.	SERVICE
SHT.	SHEET
SHLDR.	SHOULDER
SIM.	SIMILAR
SL.	SLOPE
SLV.	SLEEVE
SPTC.	SOLDIER PILE TREMIE
SPEC.	SPECIFICATIONS
SPAC.	SPACING
SQ.	SQUARE
SQ. FT.	SQUARE FOOT
SQ. IN.	SQUARE INCH
ST.	STREET
SS.	STORM SEWER
STA.	STATION
STD.	STANDARD
STIFF.	STIFFENER OR STIFFNESS
STIR.	STIRRUP
STL.	STEEL
STR.	STRAIGHT
STRUCT.	STRUCTURAL OR STRUCTURE
S.W.	SIDE WALK
SYM.	SYMMETRICAL
SYS.	SYSTEM

T	TOP
TAN.	TANGENT
T/B	TEST BORING
TB.	TIE BEAM
T/C	TOP CHORD
TC.	TIE COLUMN
T.O.C.	TOP OF CURB OR CONCRETE
TEMP.	TEMPERATURE OR TEMPORARY
T.F.	TOP FACE
TG.	TOP OF GRATE OR GROUND
T & B	TOP AND BOTTOM
T.L.	TOP LAYER
T.O.	THRU OUT
TOPO.	TOPOGRAPHY
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TS.	THICKENED SLAB
TYP.	TYPICAL
UD.	UNDER DRAIN
UNO.	UNLESS NOTED OTHERWISE
U/S	UNDERSIDE
US.	UPSIDE
UG.	UNDERGROUND
VAR.	VARIES
VCP.	VITRIFIED CLAY PIPE
VENT.	VENTILATION
VERT.	VERTICAL
VTR	VENT THROUGH ROOF
V	VENT
W/C	
W	WEST
WD.	WOOD
WF.	WALL FOOTING
WHSE.	WAREHOUSE
W/WI.	WITH WROUGHT IRON
WL.	WIND LOAD
WM.	WATER METER
W/O	WITHOUT
WP.	WORK POINT
WS.	WATER SURFACE
WT.	WEIGHT
W/T.	WATER TABLE
W.W.F.	WELDED WIRE FABRIC
WPCP.	WATER POLLUTION CONTROL PLANT
WV.	WATER VALVE

GEORGIA REGISTERED No. 9165 PROFESSIONAL Expires ENGINEER DELON HAMPTON

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
1		TSB	AS BUILT	

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STANDARD
ABBREVIATIONS & SYMBOLS - I

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

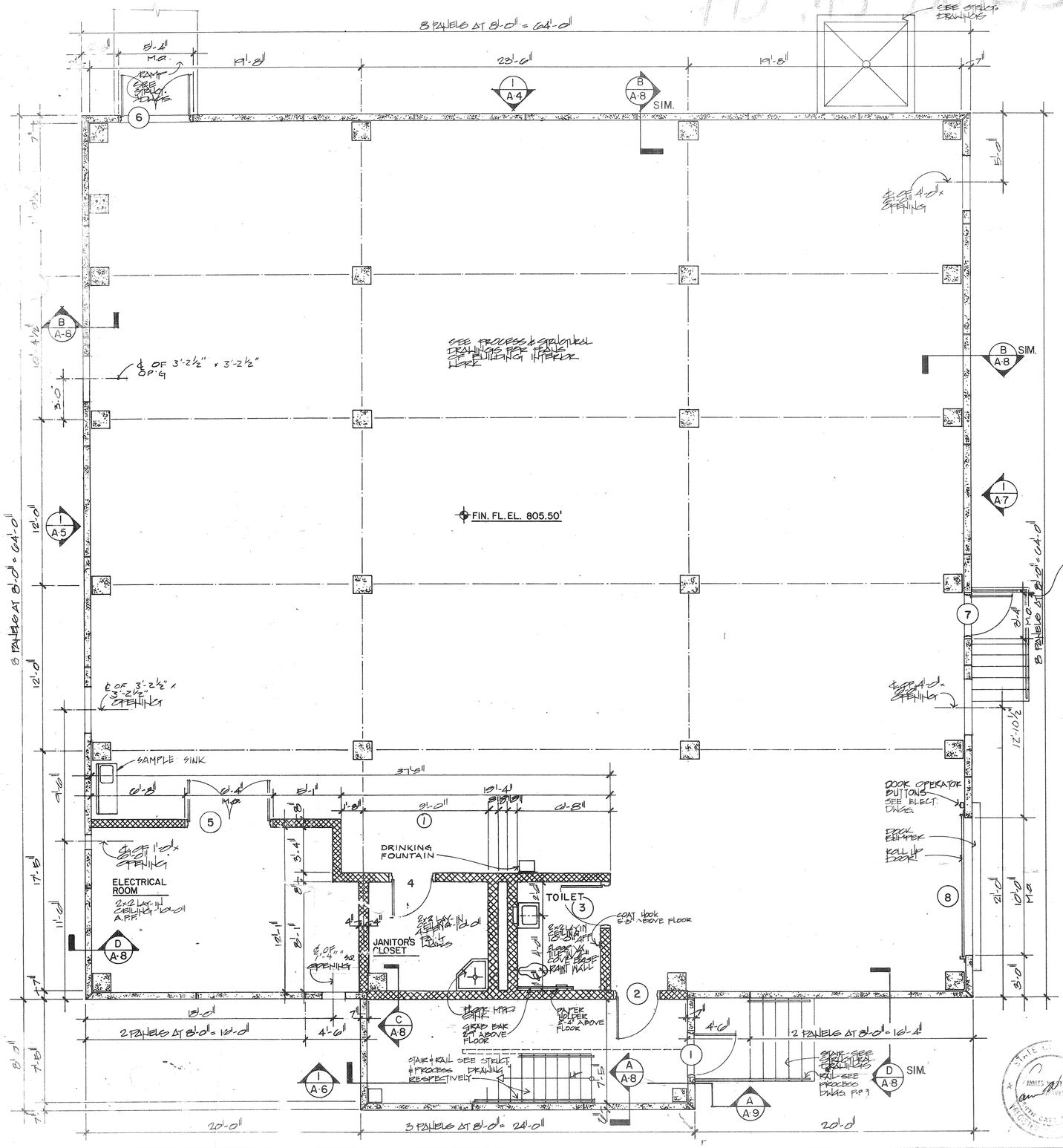
DSGN	KLW	APPROVED	Delon Hampton
DRWN	JS		
CHKD	EH	SCALE NO SCALE	DATE FEB. 1981

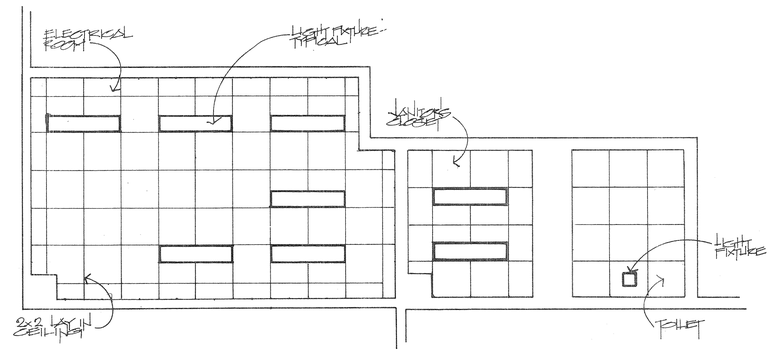
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

LAND LOT	DISTRICT	COUNTY
APPROVED		SHEET NUMBER 1
DRAWING NO. 3-G-1		OF 192

POLYTRACE 033





REFLECTED CEILING PLAN

1/4" = 1'-0"

2 / A-1

N

NOTE: INSTALL TILE W/ GRAIN ALL IN ONE DIRECTION

NOTE: UNLESS OTHERWISE NOTED ALL INTERIOR EXPOSED C.M.U., CONCRETE & PRECAST SURFACES ARE TO BE COATED ACCORDING TO PAINT SCHEDULE IN SPECIFICATIONS

COORDINATE OPENING SIZE WITH LOUVER SELECTED

COORDINATE OPENING SIZE WITH VENT SELECTED.

BOTTOM FLOOR PLAN

1/4" = 1'-0"

N

1 / A-1

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
2		T&B	AS BUILT	4
1	4/82	CE	REVISED JANITOR'S CLOSET LENGTH	1

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREENS BUILDING BOTTOM FLOOR PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

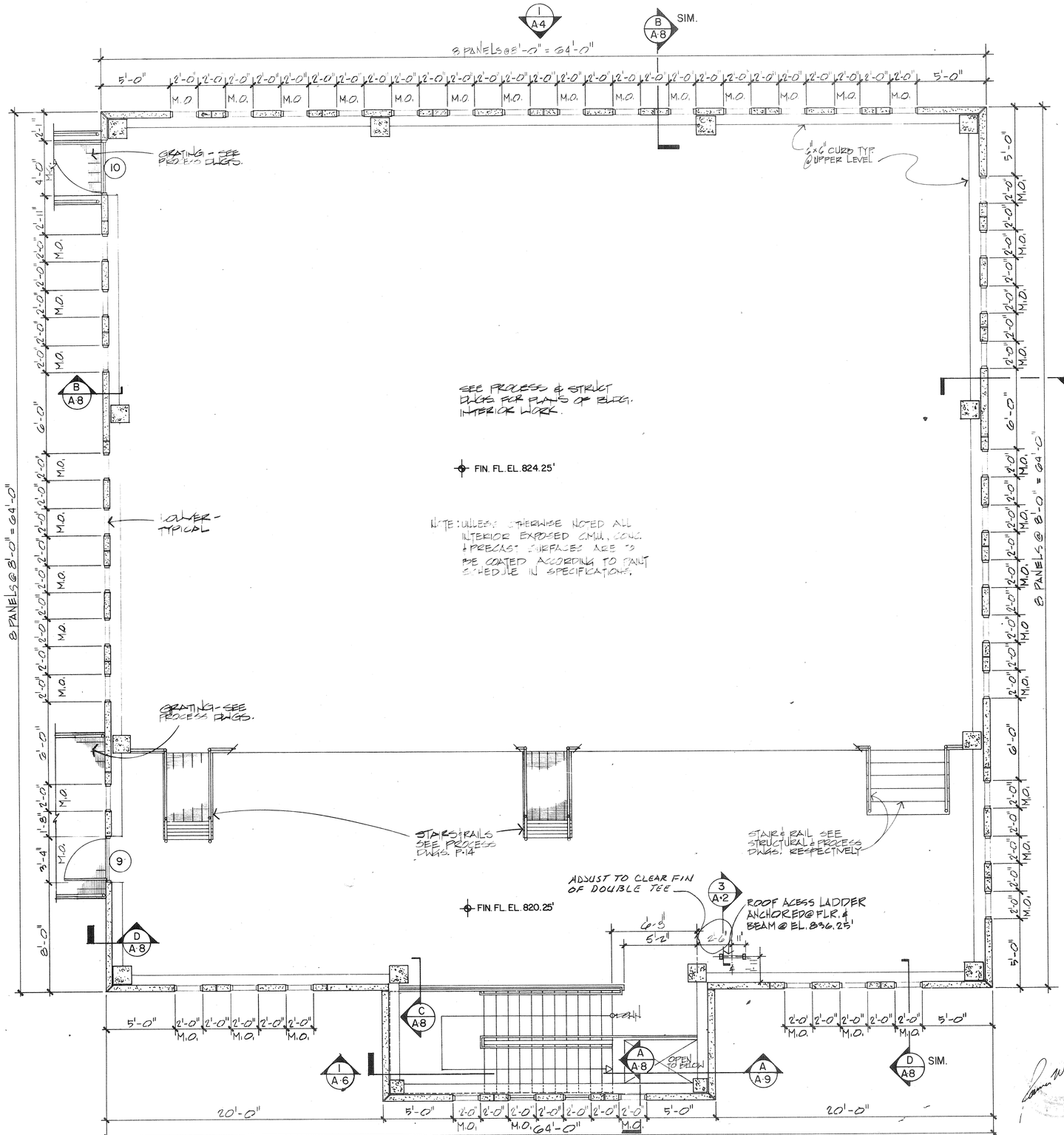
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

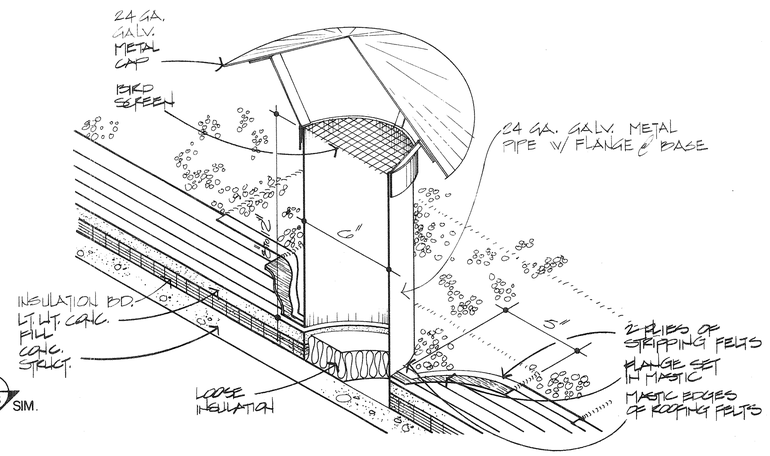
THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED		LAND LOT 111	DISTRICT 15	DEKALB COUNTY
DRWN				APPROVED		SHEET NUMBER 73 OF 192
CHKD		SCALE AS SHOWN	DATE FEB. 1981	DRAWING NO. 3-A-1		

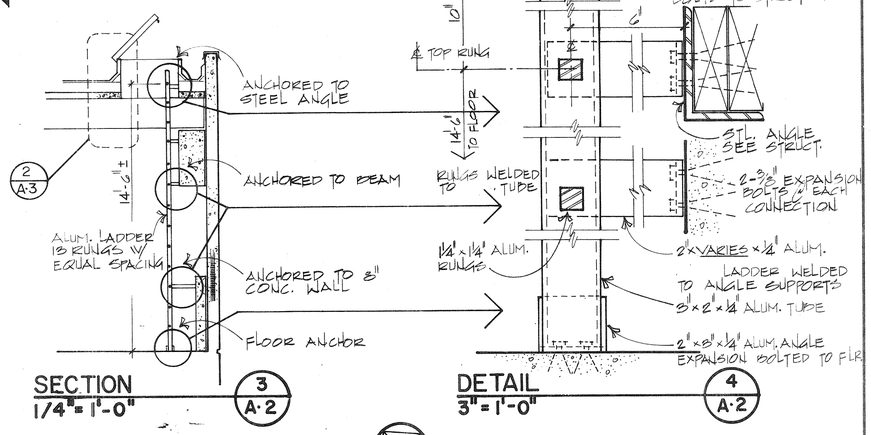
POLYTRACE

AF 14446





ROOFING VENT DETAIL
N.T.S.
2 A-2



SECTION
1/4"=1'-0"
3 A-2

DETAIL
3"=1'-0"
4 A-2

N

TOP FLOOR PLAN
1/4"=1'-0"
1 A-2

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	1

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREENS BUILDING
TOP FLOOR PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

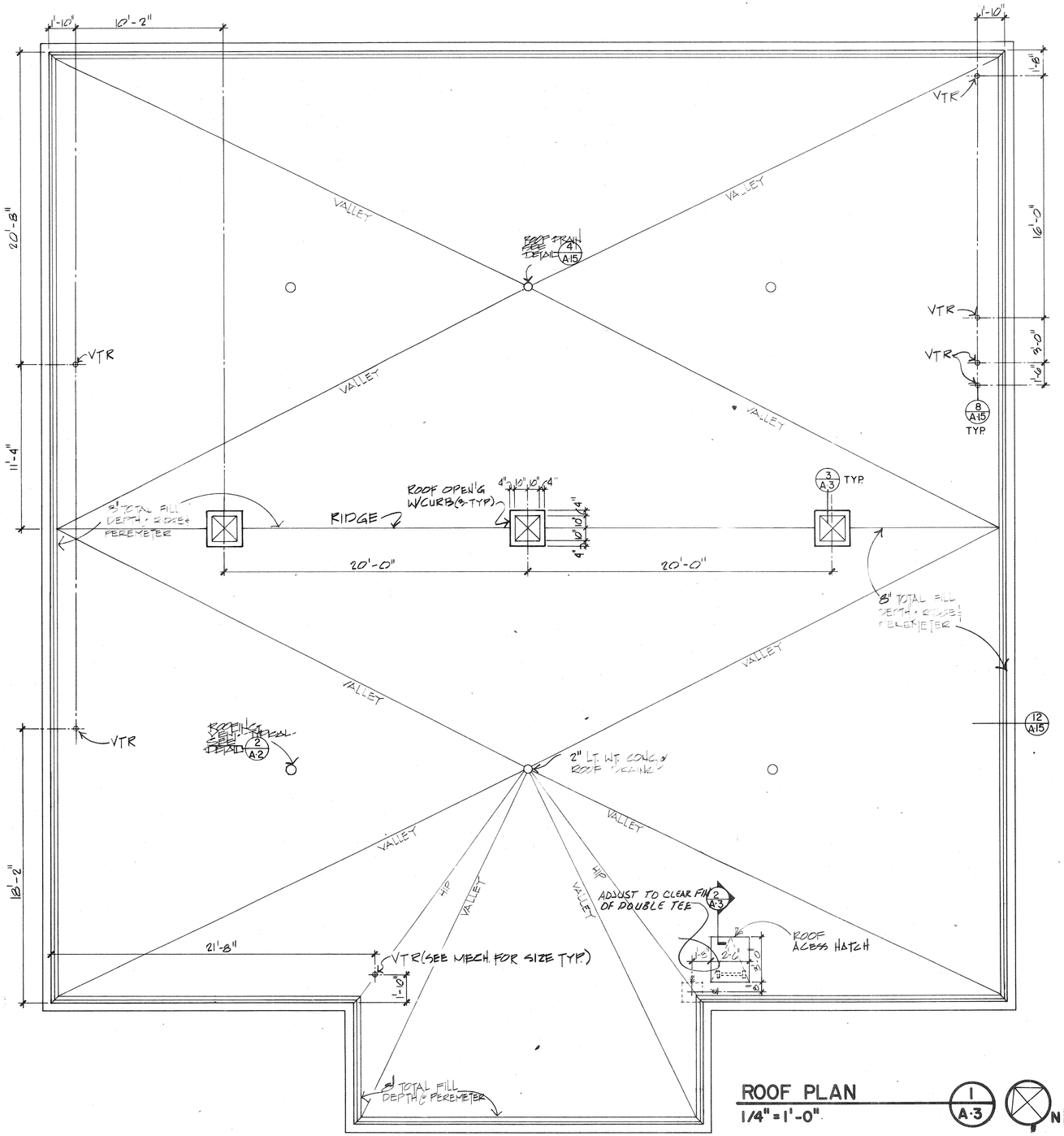
THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 DISTRICT 15 DEKALB COUNTY

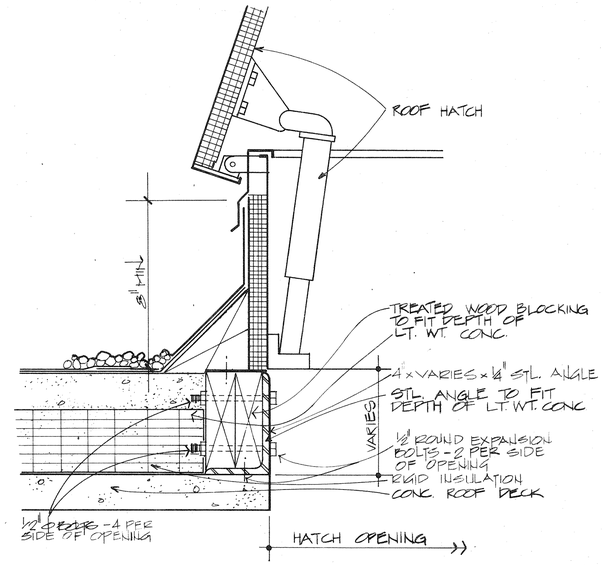
DSGN
DRWN
CHKD
APPROVED
SCALE AS SHOWN DATE FEB. 1981
APPROVED
DRAWING NO. 3-A-2
SHEET NUMBER 74 OF 192

POLYTRACE 033

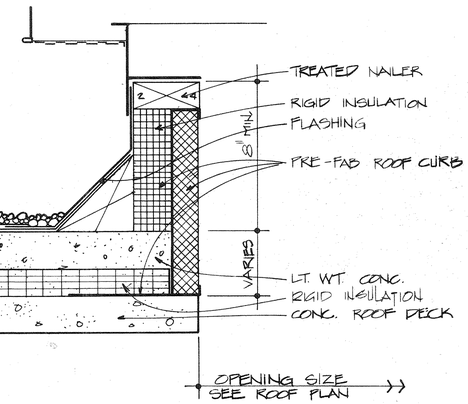
A.F. 14446



ROOF PLAN
1/4" = 1'-0"
1 A·3



ROOF CURB & HATCH
3" = 1'-0"
2 A·3



ROOF VENTILATOR
3" = 1'-0"
3 A·3

NOTE: APPLY INSULATION BOARD IN STAGGERED THICKNESS TO ATTAIN TOTAL FILL DEPTH INDICATE & MAINTAIN A CONSISTENT 2" MINIMUM THICKNESS OF LIGHT WEIGHT CONCRETE FILL. SEE DETAIL 3-A·11

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
1	7/8		AS BUILT	

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC. SCREENS BUILDING
ROOF PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

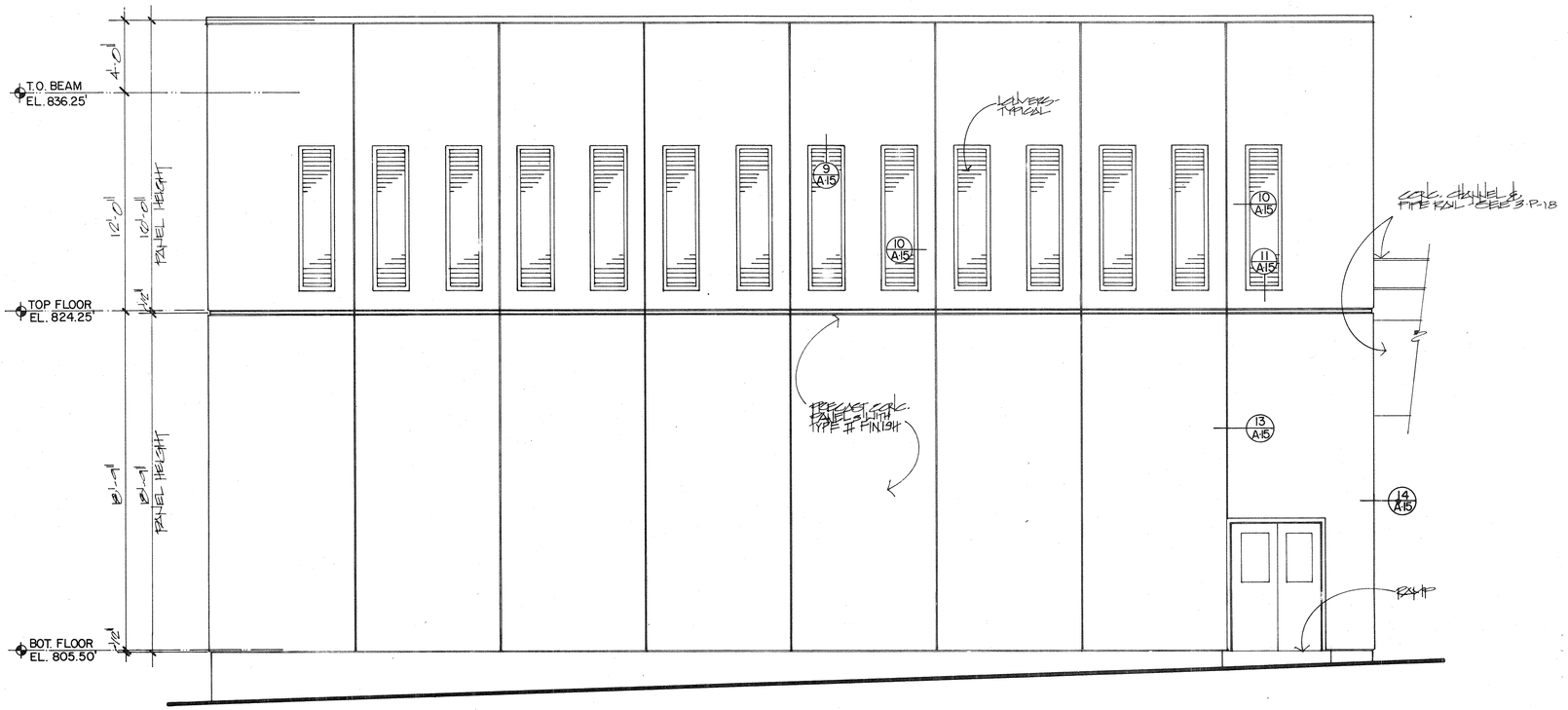
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	APPROVED	LAND LOT 111	DISTRICT 15	DEKALB COUNTY
DRWN		APPROVED		SHEET NUMBER 75
CHKD	SCALE AS SHOWN DATE FEB. 1981	DRAWING NO. 3·A·3		OF 192

POLYTRACE 033

A.P. 14446



ELEVATION

1/4" = 1'-0"

1
A-4

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREENS BUILDING
NORTH ELEVATION

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB. 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

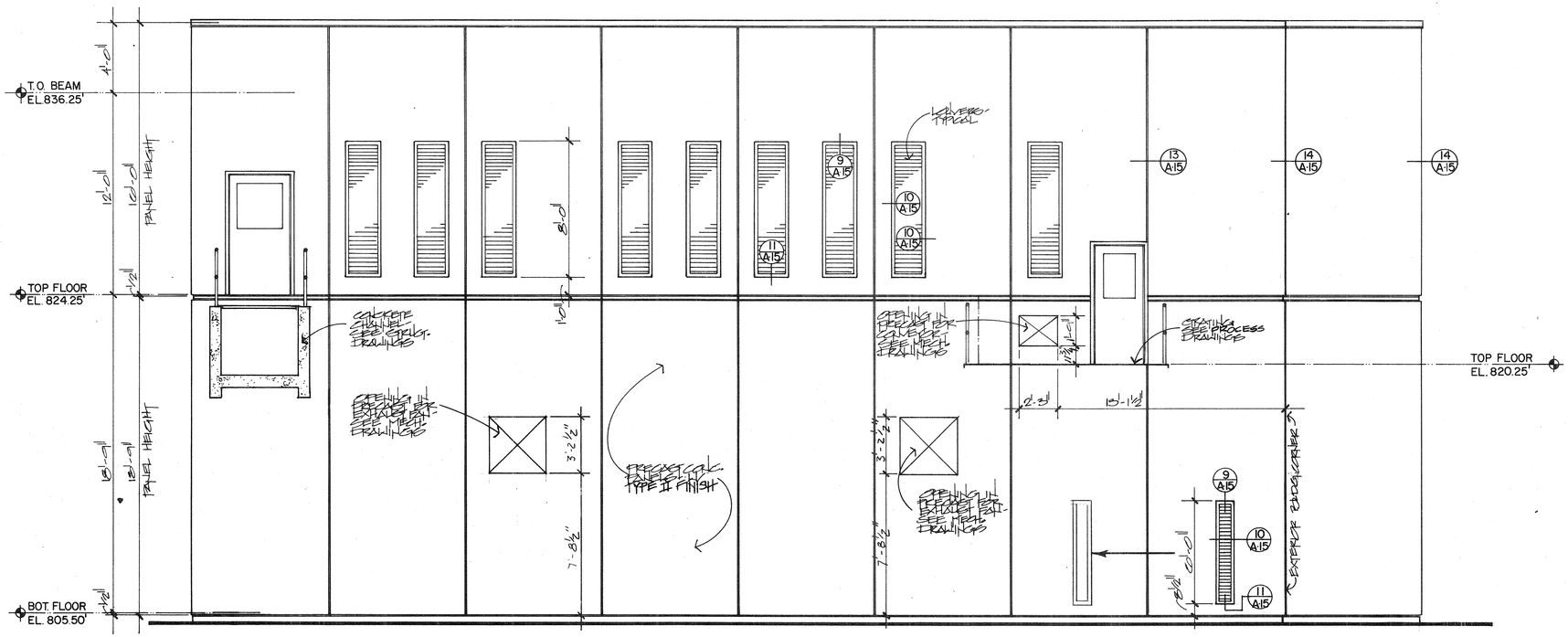
DRAWING NO. 3-A-4

SHEET NUMBER 76 OF 192

STATE OF GEORGIA — REGISTERED ENGINEER — CERTIFICATE NO. 11911

POLYTRACE 033

AF 14446



ELEVATION

1/4" = 1'-0"

1 / A-5

NO.	DATE	BY	DESCRIPTION	PLACES
1		FB	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREENS BUILDING
WEST ELEVATION

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

STATE OF GEORGIA — JAMES WESTON GRAVES — CERTIFICATE NO. 2419 — REGISTERED ARCHITECT

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB. 1981

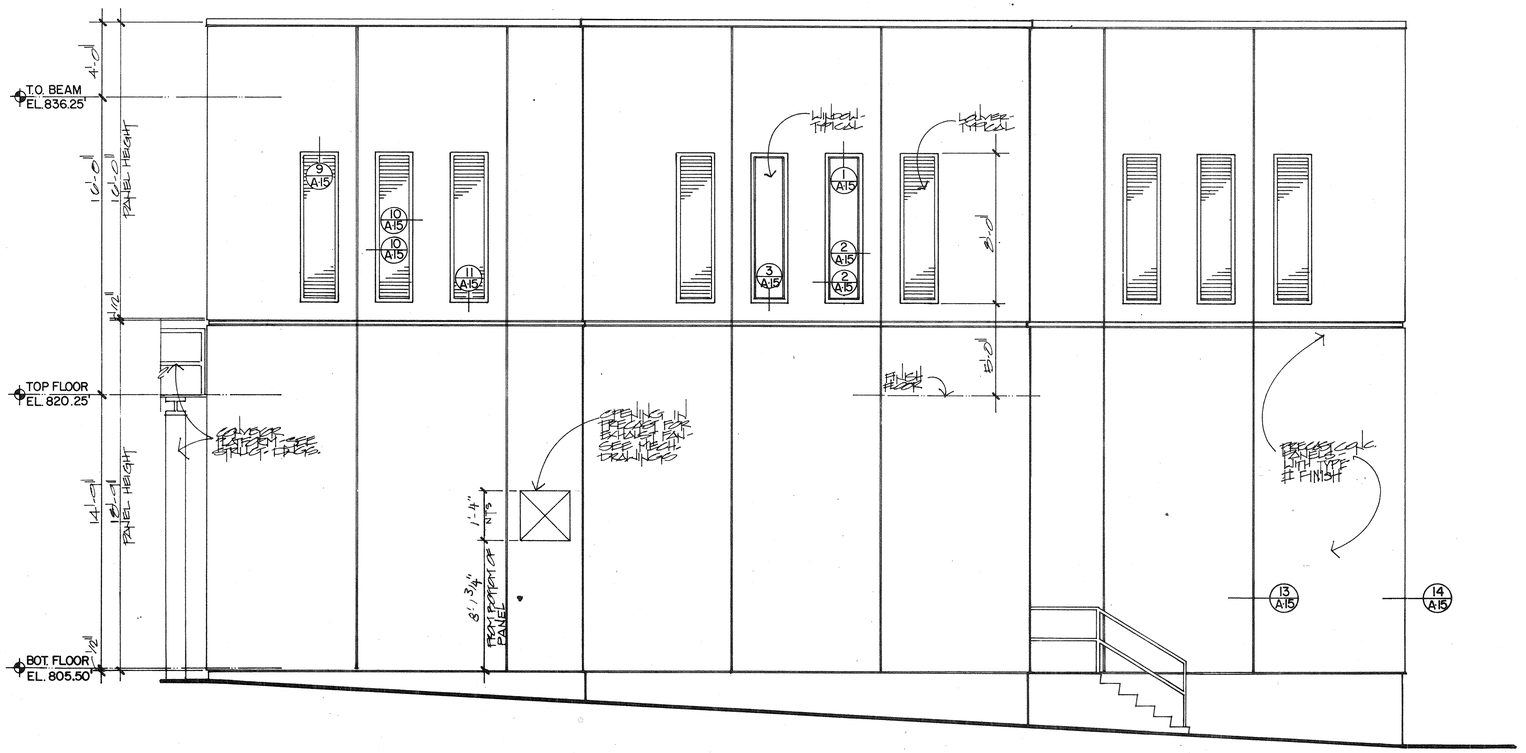
APPROVED

DRAWING NO. 3.A-5

SHEET NUMBER 77 OF 192

SF POLYTRACE 033

AF 14446



ELEVATION

1/4" = 1'-0"

1 / A-6

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
1		TEB	AS BUILT	

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREENS BUILDING SOUTH ELEVATION

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

STATE OF GEORGIA — JAMES WATSON GRAVES — CERTIFICATE NO. 2419 — REGISTERED ARCHITECT

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB. 1981

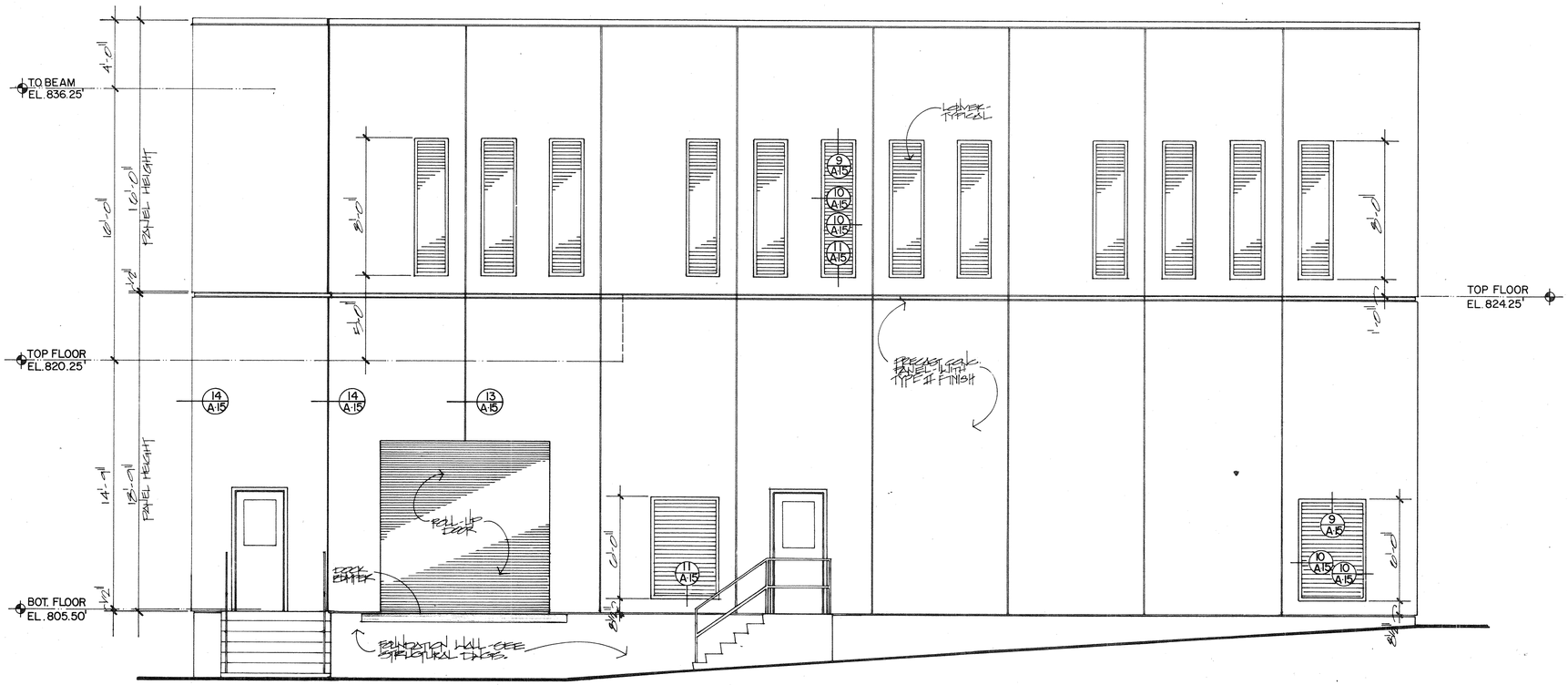
APPROVED

DRAWING NO. 3-A-6

SHEET NUMBER 78 OF 192

POLYTRACE 033

AF 14446



ELEVATION

1/4" = 1'-0"

1 / A-7

NO.	DATE	BY	DESCRIPTION	PLACES
1		TJB	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREENS BUILDING EAST ELEVATION

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

DSGN | APPROVED
DRWN |
CHKD | SCALE AS SHOWN | DATE FEB. 1981

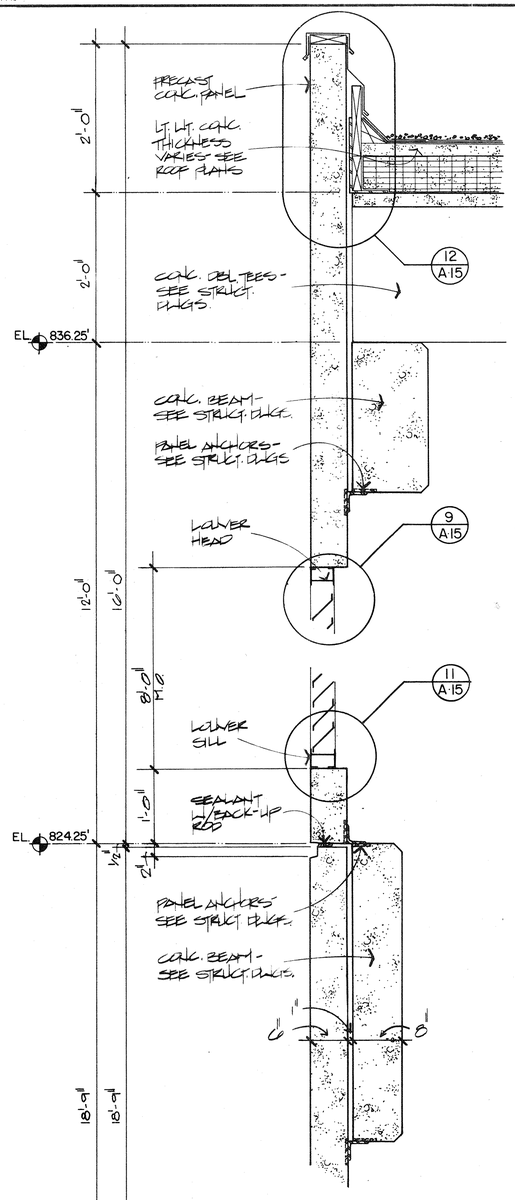
APPROVED

DRAWING NO. 3-A-7

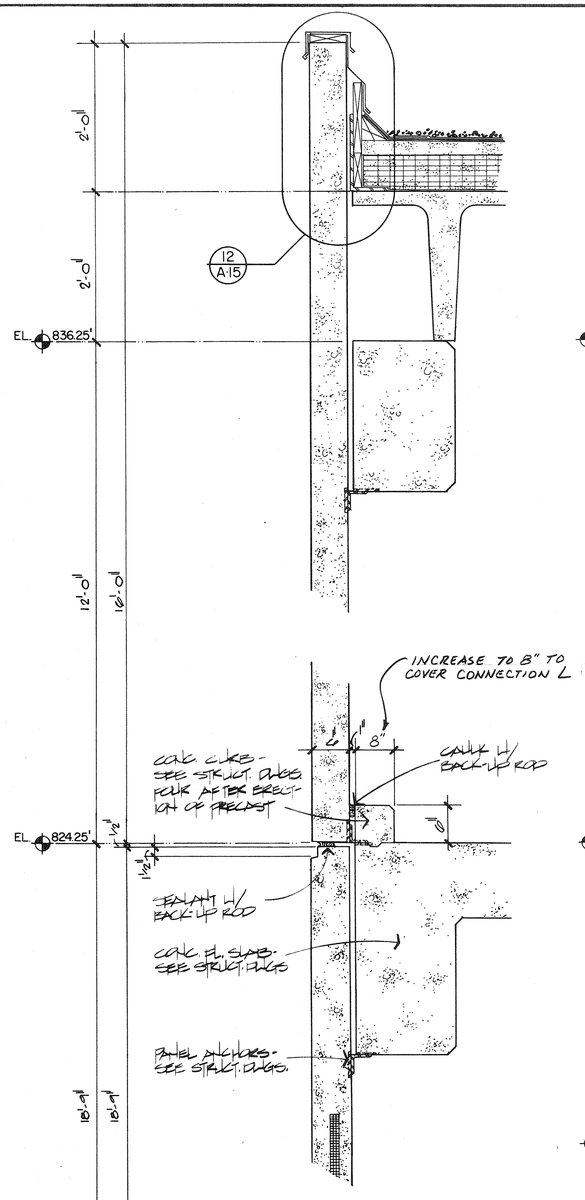
SHEET NUMBER 79 OF 192

POLYTRACE 033

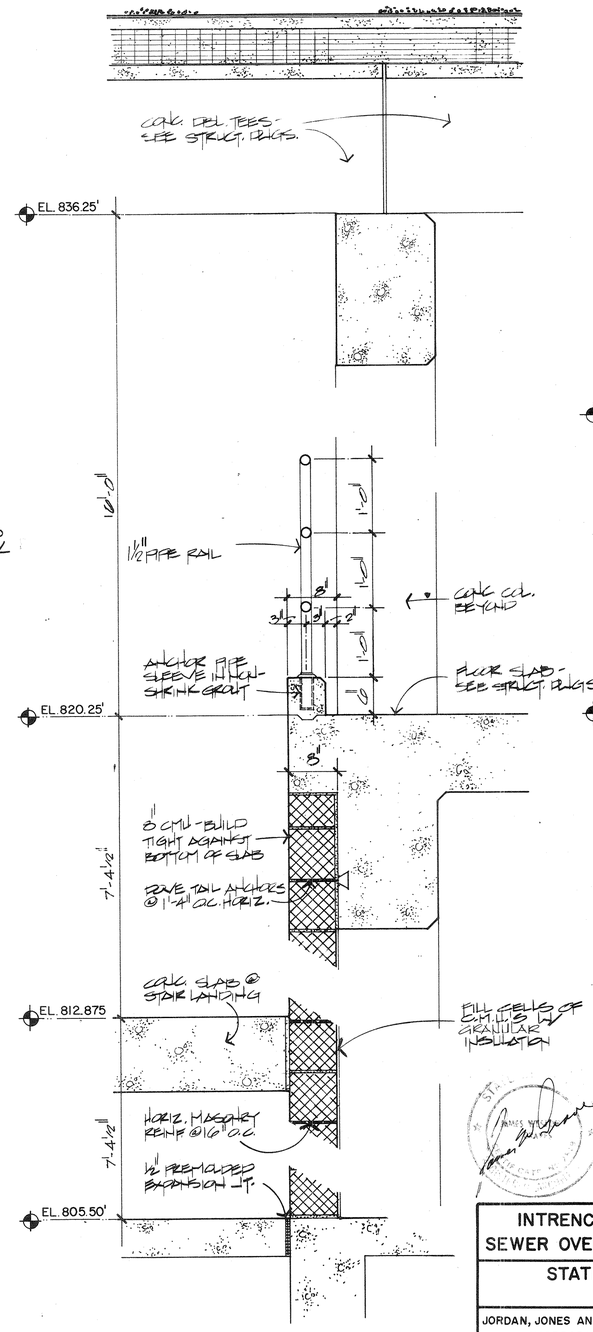
AF 14446



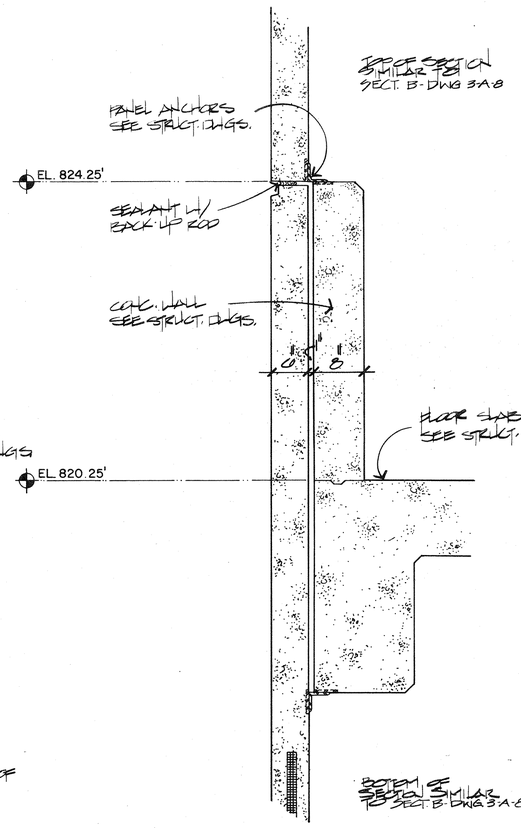
SECTION A
1" = 1'-0"
A-8



SECTION B
1" = 1'-0"
A-8



SECTION C
1" = 1'-0"
A-8



SECTION D
1" = 1'-0"
A-8

NO.	DATE	BY	DESCRIPTION	PLACES
1		J&B	AS BUILT	1

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREENS BUILDING WALL SECTIONS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

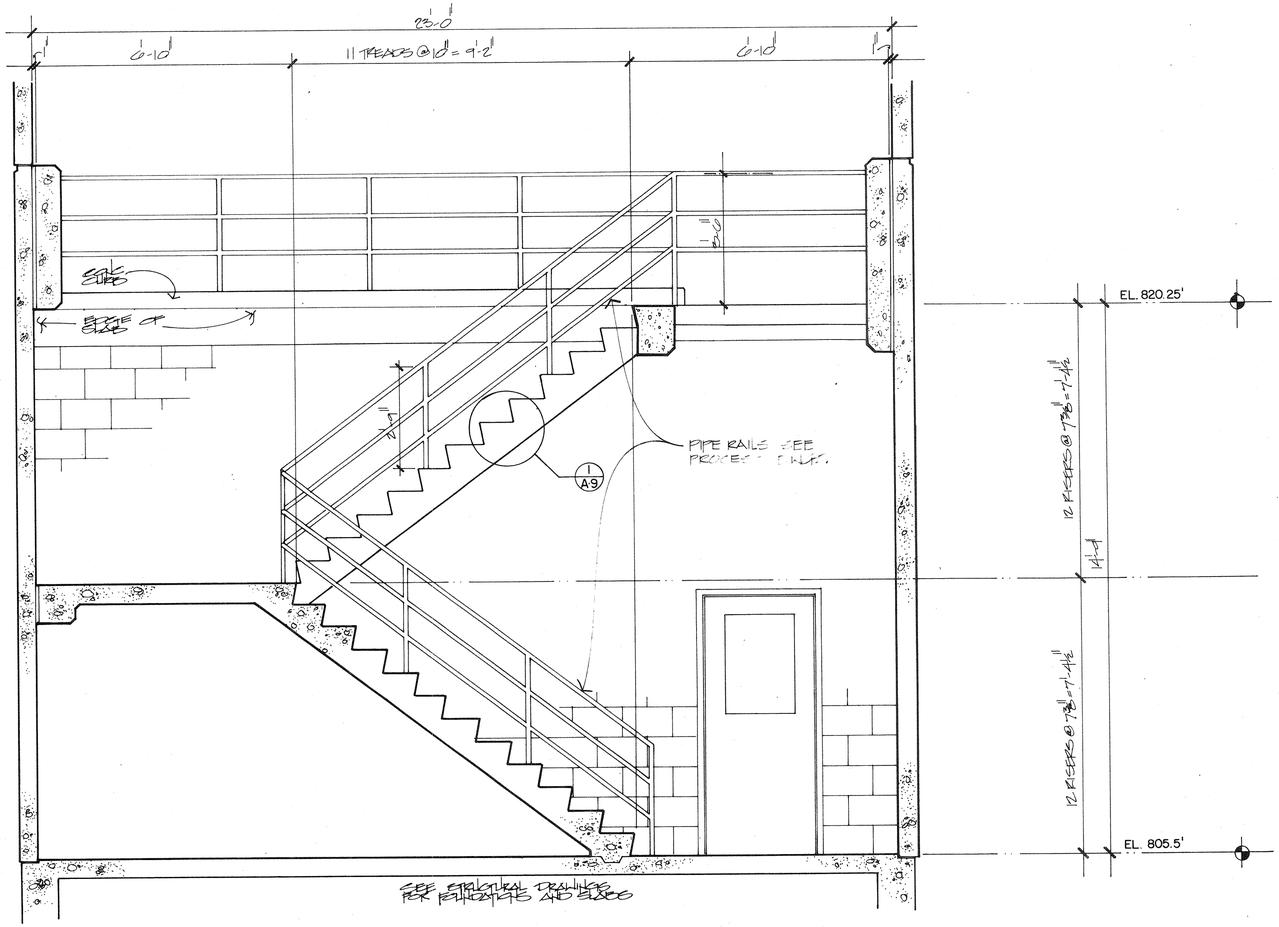
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	APPROVED	LAND LOT 111	DISTRICT 15	DEKALB COUNTY
DRWN		APPROVED		SHEET NUMBER 80
CHKD	SCALE 1" = 1'-0" DATE FEB. 1981	DRAWING NO. 3-A-8		OF 192

POLYTRACE 033

AF 14446

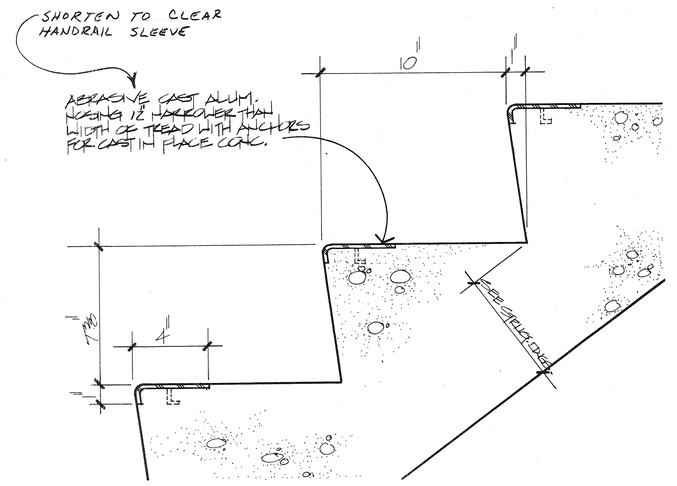


SECTION THRU STAIR

A
A-9

1/2" = 1'-0"

MAINTAIN 1' BETWEEN SIDE OF STAIR & LANDING & SIDE WALLS - 3" C.M.U & PRECAST PANELS.



TYPICAL TREAD & RISER DETAIL

1
A-9

3" = 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
1		T&B	AS BUILT	

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STAIR SECTION AND DETAIL

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN | DRWN | CHKD | APPROVED | SCALE AS SHOWN | DATE FEB. 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

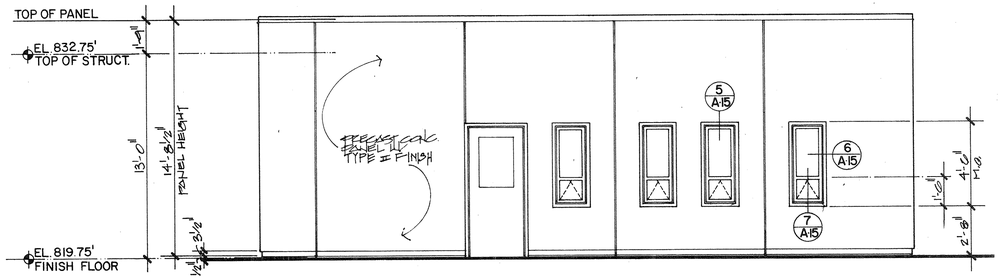
APPROVED

DRAWING NO. 3-A-9

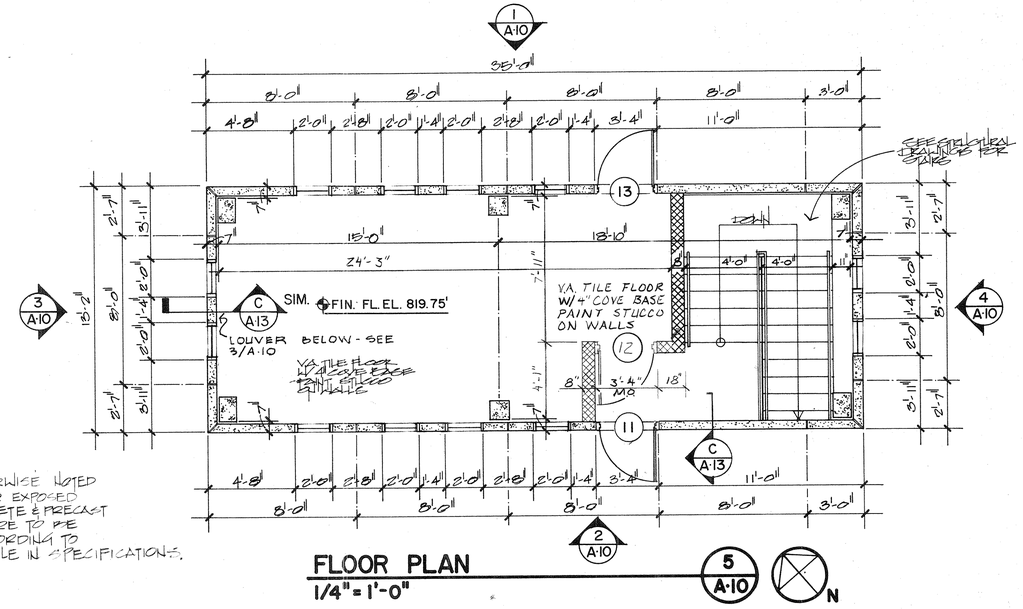
SHEET NUMBER 81 OF 192

POLYTRACE 033

AF 14446

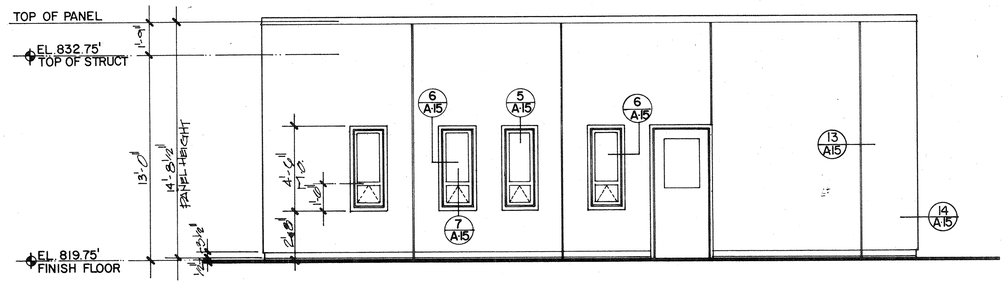


ELEVATION
1/4" = 1'-0"
1 A-10

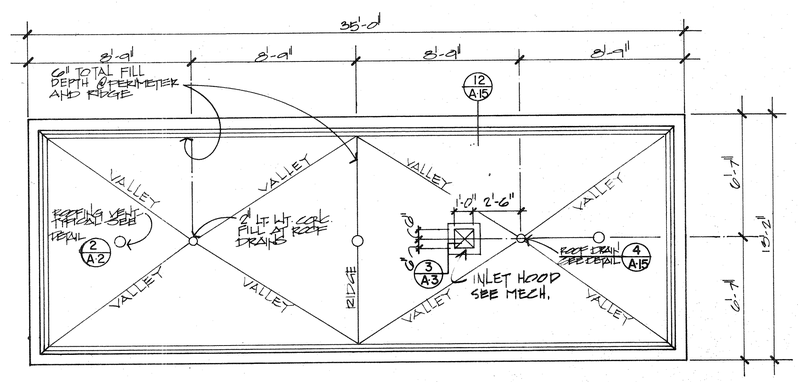


FLOOR PLAN
1/4" = 1'-0"
5 A-10 N

NOTE: UNLESS OTHERWISE NOTED ALL INTERIOR EXPOSED C.M.U., CONCRETE & PRECAST SURFACES ARE TO BE COATED ACCORDING TO PAINT SCHEDULE IN SPECIFICATIONS.

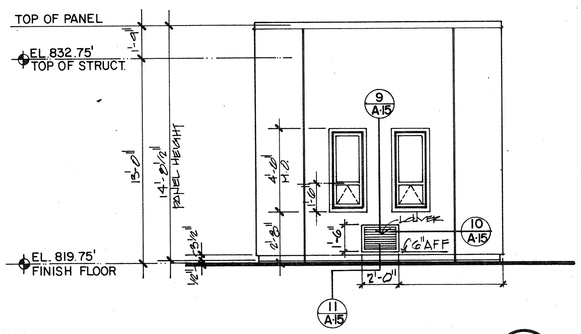


ELEVATION
1/4" = 1'-0"
2 A-10

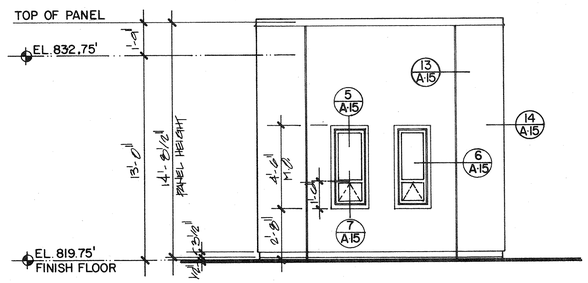


ROOF PLAN
1/4" = 1'-0"
6 A-10 N

NOTE: APPLY INSULATION BOARDS IN STAGGERED THICKNESS TO ATTAIN TOTAL FILL DEPTH INDICATED* MAINTAIN A CONSIST 2" MINIMUM THICKNESS OF LIGHT WEIGHT CONCRETE FILL. SEE DETAIL 8-A-11



ELEVATION
1/4" = 1'-0"
3 A-10



ELEVATION
1/4" = 1'-0"
4 A-10

NO.	DATE	BY	DESCRIPTION	PLACES
2		T&B	AS BUILT	
1	8/83		MOD. CLAR. CONTROL BUILDING	1

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIER CONTROL BUILDING
FLOOR PLAN; ROOF PLAN; ELEVATIONS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN | DRWN | CHKD | APPROVED | SCALE AS SHOWN | DATE FEB. 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

DRAWING NO. 3-A-10

SHEET NUMBER 82 OF 192

© POLYTRACE 033

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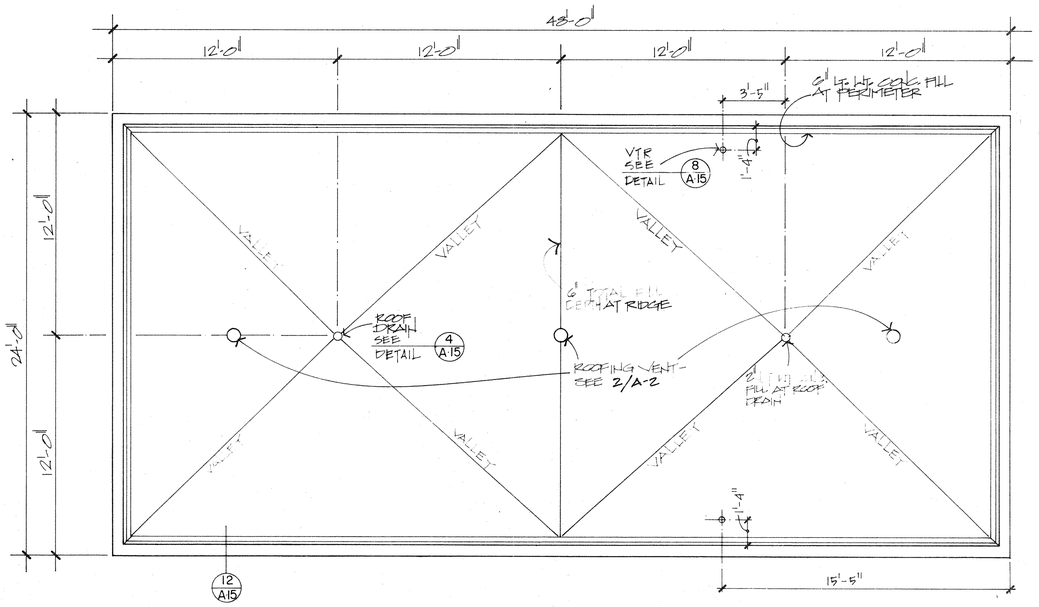


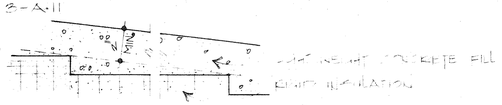
SOLIDS PROCESSING PUMPING STATION ROOF PLAN

1/4"=1'-0"

1 A-11

N

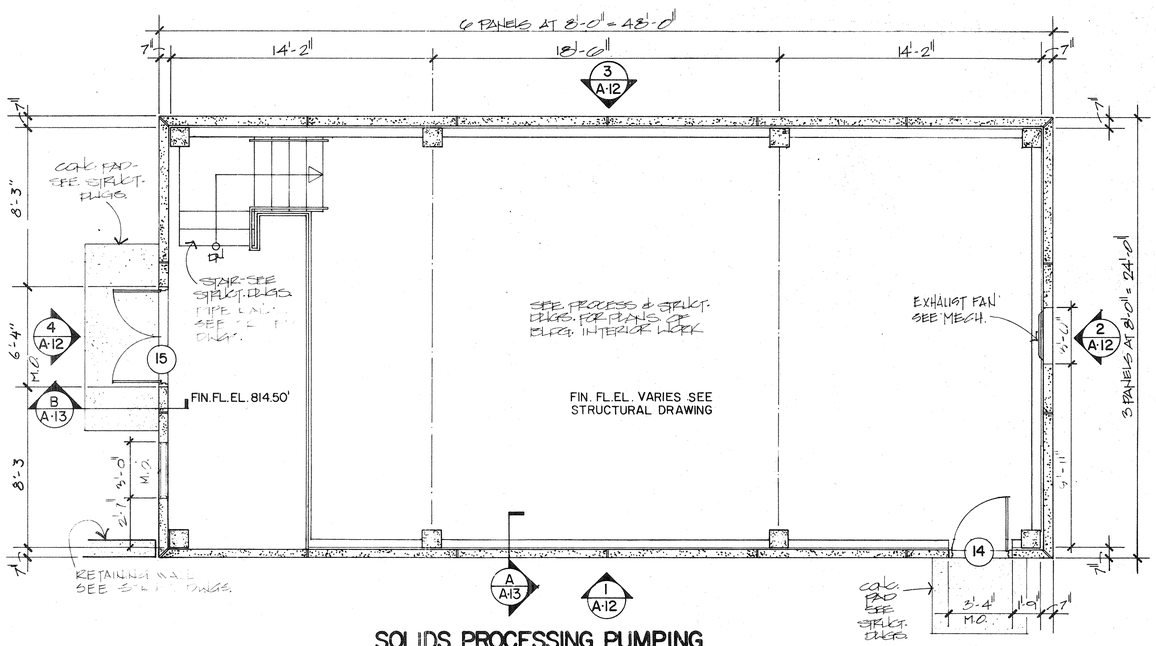
NOTE: APPLY INSULATION BOARD IN STAGGERED THICKNESS TO ATTAIN TOTAL FILL DEPTH INDICATED & MAINTAIN A SLOPE OF 1/4" MIN IN THICKNESS OF LIGHT WEIGHT CONCRETE FILL. SEE DETAIL 3-A-11



NOTE DETAIL

3"=1'-0"

3 A-11



SOLIDS PROCESSING PUMPING STATION FLOOR PLAN

1/4" = 1'-0"

2 A-11

N

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SOLIDS PROCESSING PUMPING STATION PLANS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

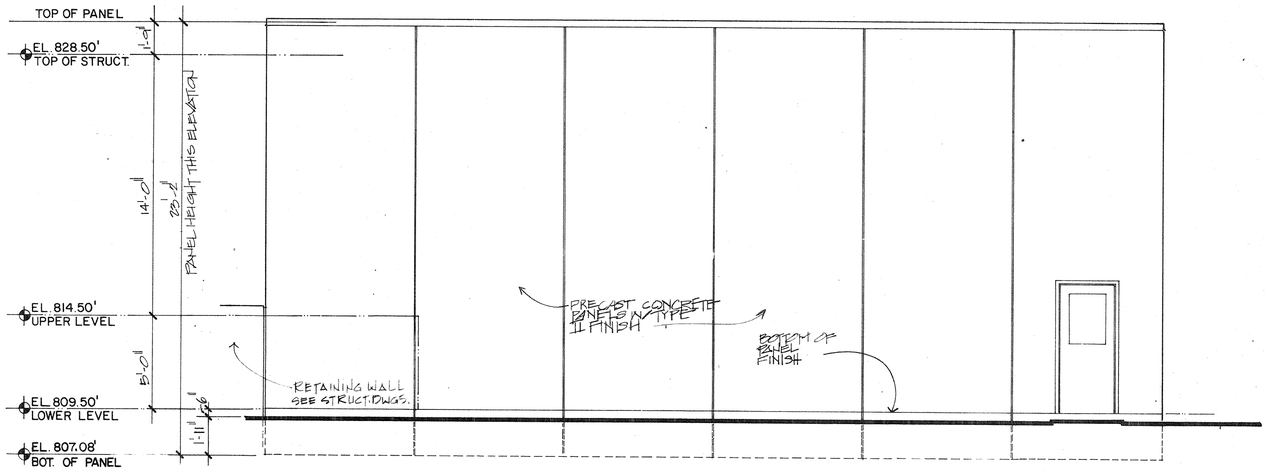
LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

DSGN		APPROVED	SHEET NUMBER 83
DRWN			
CHKD		SCALE AS SHOWN DATE FEB. 1981	DRAWING NO. 3-A-11 OF 192

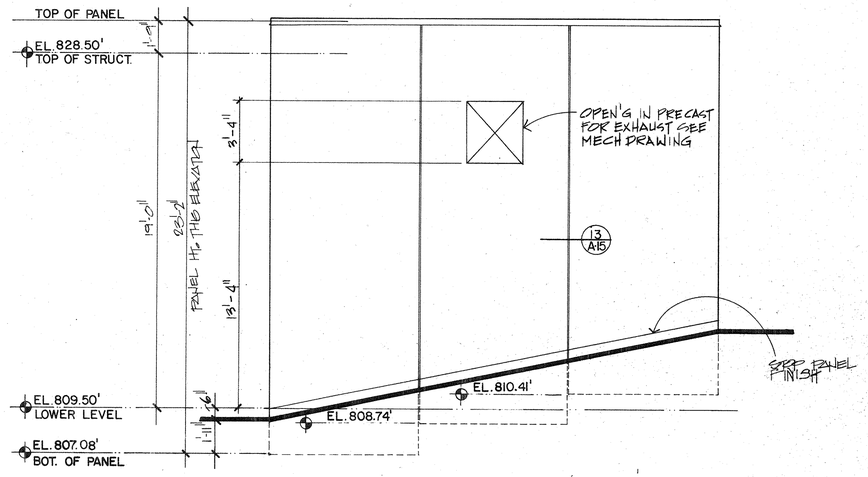
APPROVED

POLYTRACE 033

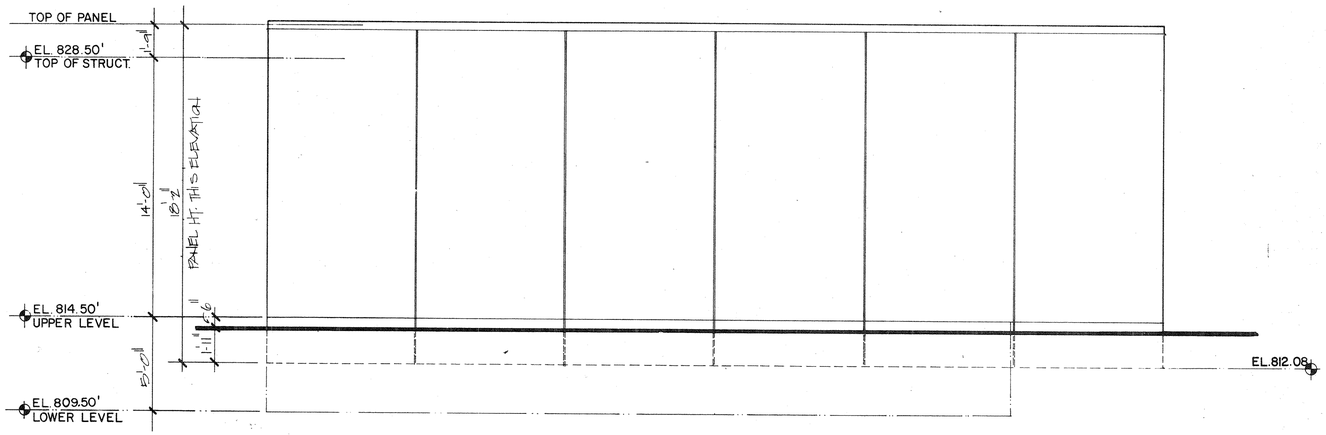
AF 14446



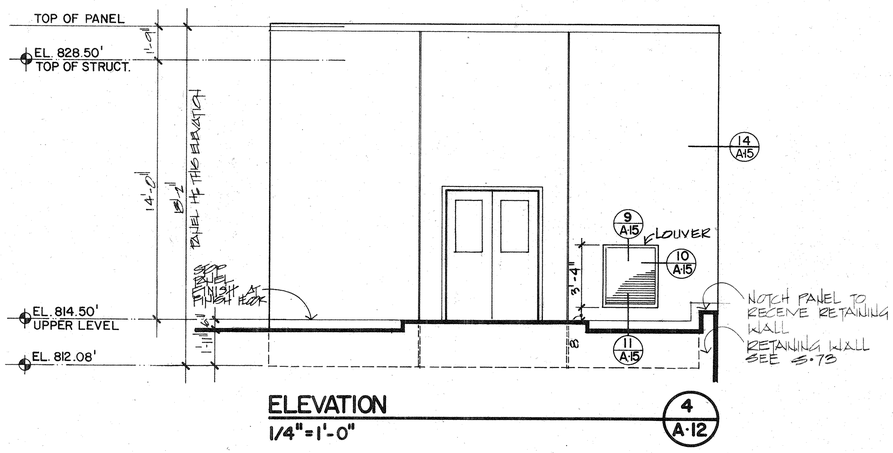
ELEVATION
1/4" = 1'-0"
1 / A-12



ELEVATION
1/4" = 1'-0"
2 / A-12



ELEVATION
1/4" = 1'-0"
3 / A-12



ELEVATION
1/4" = 1'-0"
4 / A-12

NO.	DATE	BY	DESCRIPTION	PLACES
1		TES	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SOLIDS, PROCESSING PUMPING STATION ELEVATIONS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB. 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

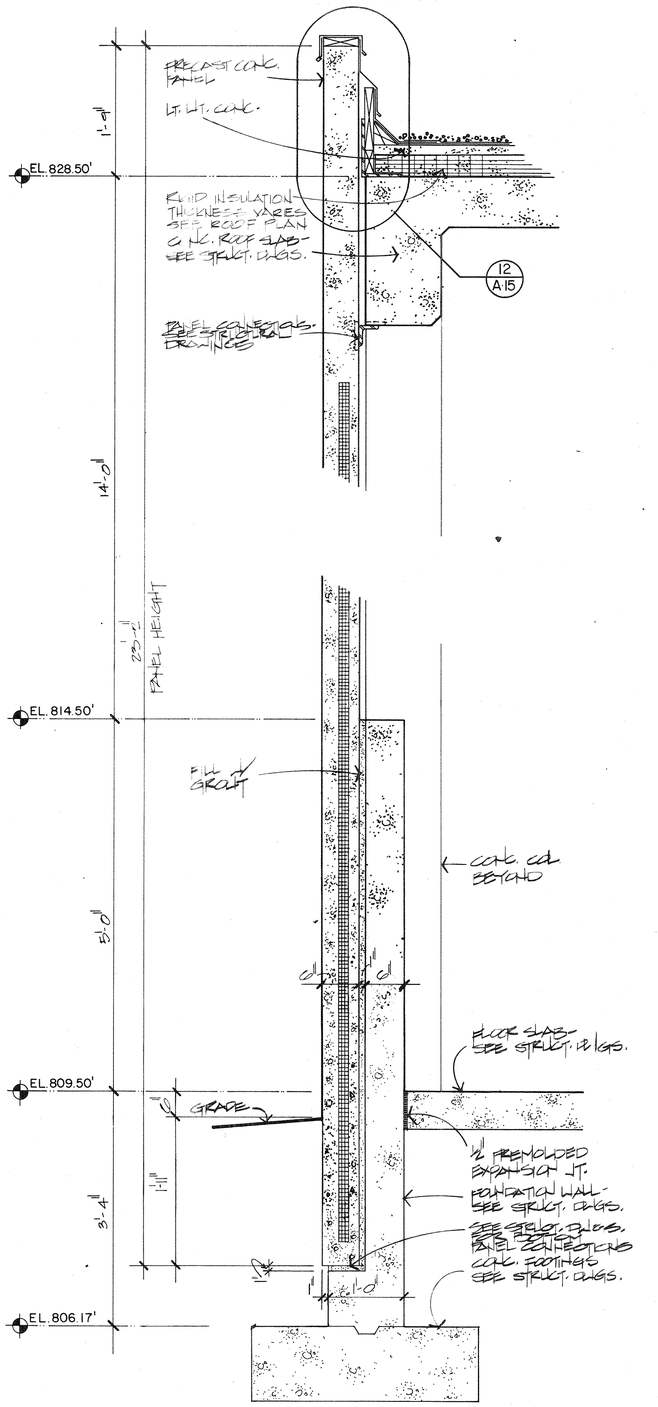
APPROVED

DRAWING NO. 3-A-12

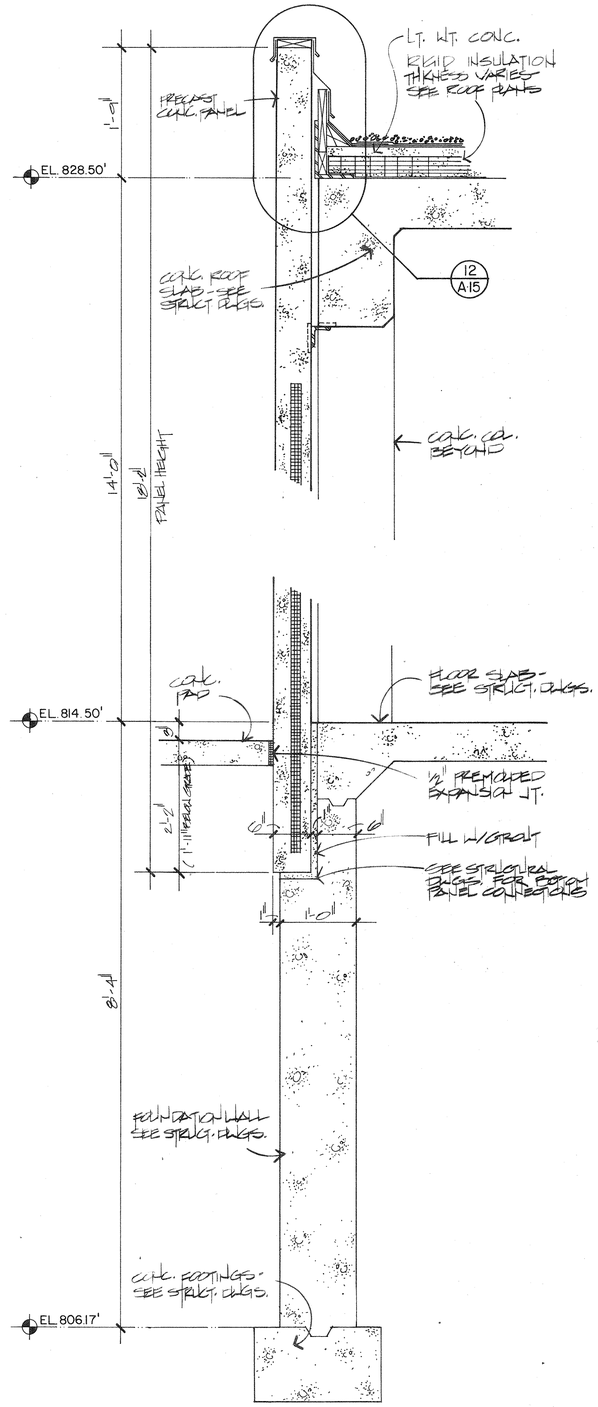
SHEET NUMBER 84 OF 192

F POLYTRACE 033

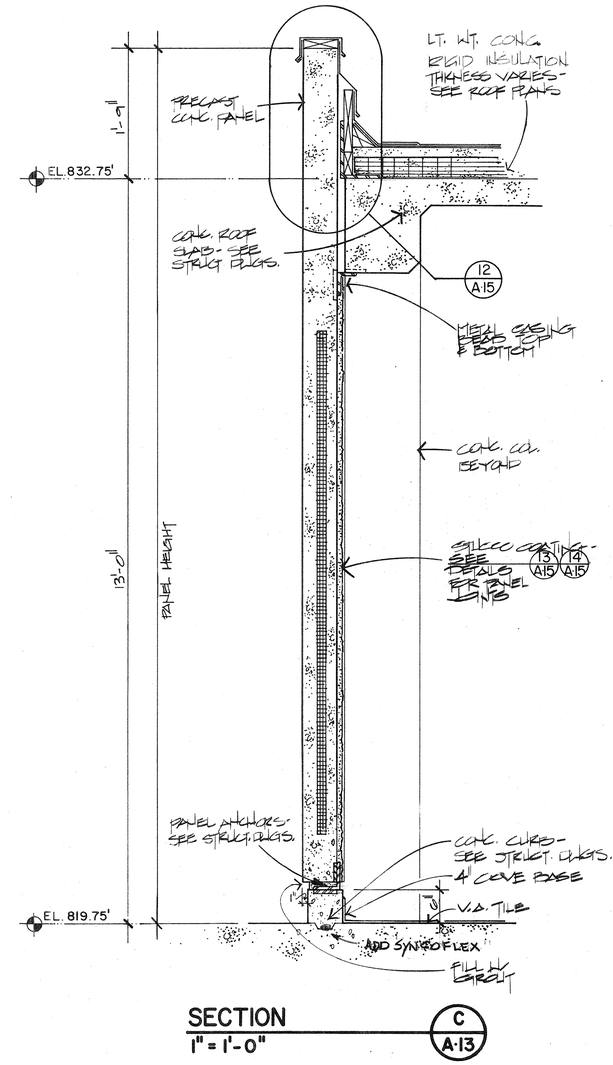
AF 14446



SECTION A
1" = 1'-0"
A-13



SECTION B
1" = 1'-0"
A-13



SECTION C
1" = 1'-0"
A-13

NO.	DATE	BY	DESCRIPTION	PLACES
1		TAB	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

WALL SECTIONS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN
DRWN
CHKD
APPROVED
SCALE 1"=1'-0" DATE FEB. 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 DISTRICT 15 DEKALB COUNTY

APPROVED

DRAWING NO. 3.A.13

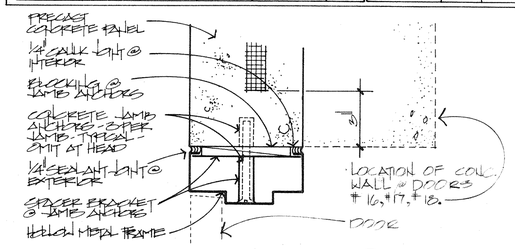
SHEET NUMBER 85 OF 192

POLYTRACE 033

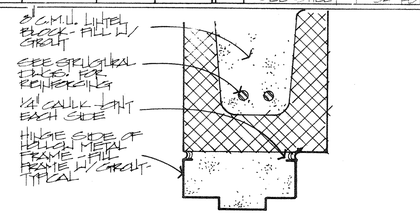
AF 14446

DOOR AND FRAME SCHEDULE

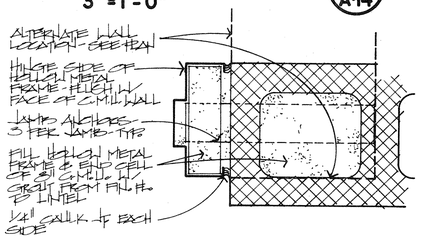
DOOR NO.	PAIR	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE T'CK.	DOOR MATERIAL	DOOR TYPE	FRAME MATERIAL	FRAME TYPE	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL SILL	HDWR. SET NO.	BLDG. NAME	REMARKS
1		3'-0"	7'-0"	1 3/4"	H.M.	A	H.M.	I	2/A-14	2/A-14	5/A-14			24" x 2'-8" GLASS IN DOOR
2		3'-0"	7'-0"	1 3/4"	H.M.	A	H.M	I	3/A-14	9/A-14	——			24" x 2'-8" GLASS IN DOOR
3		3'-0"	7'-0"	1 3/4"	H.M.	A	H.M	I	3/A-14	9/A-14	——			16" x 24" LOUVER IN DOOR
4		3'-0"	7'-0"	1 3/4"	H.M	A	H.M.	I	3/A-14	9/A-14	——			16" x 24" LOUVER IN DOOR
5	X	3'-0"	7'-0"	1 3/4"	H.M.	B	H.M.	II	3/A-14	7/A-14	——			——
6	X	2'-6"	7'-0"	1 3/4"	H.M.	B	H.M.	II	2/A-14	2/A-14	5/A-14			18"x2'-8" GLASS IN EACH DOOR
7		3'-0"	7'-0"	1 3/4"	H.M	A	H.M	I	2/A-14	2/A-14	5/A-14		STATIC SCREEN	24"x2'-8" GLASS IN DOOR
8		10'-0"	10'-0"	——	STEEL	C	——	——	6/A-14	7/A-14	5/A-14			——
9		3'-0"	7'-0"	1 3/4"	H.M.	A	H.M.	I	2/A-14	2/A-14	5/A-14			24" x 2'-8" GLASS IN DOOR
10		3'-0"	7'-0"	1 3/4"	H.M.	A	H.M.	I	2/A-14	2/A-14	5/A-14			2'-8" x 2'-8" GLASS IN DOOR
11		3'-0"	7'-0"	1 3/4"	H.M.	A	H.M.	I	2/A-14	2/A-14	5/A-14			24" x 2'-8" GLASS IN DOOR
12		3'-0"	7'-0"	1 3/4"	H.M	A	H.M.	I	3/A-14	9/A-14	——			24" x 2'-8" GLASS IN DOOR
13		3'-0"	7'-0"	1 3/4"	H.M.	A	H.M.	I	2/A-14	2/A-14	5/A-14			24" x 2'-8" GLASS IN DOOR
14		3'-0"	7'-0"	1 3/4"	H.M.	A	H.M.	I	2/A-14	2/A-14	5/A-14			24" x 2'-8" GLASS IN DOOR
15	X	3'-0"	7'-0"	1 3/4"	H.M.	B	H.M.	II	2/A-14	2/A-14	5/A-14			24" x 2'-8" GLASS IN DOOR
16	X	3'-6"	7'-0"	1 3/4"	H.M.	B	H.M.	II	2/A-14	9/A-14	5/A-14			SEE SHEET P.84 FOR LOCATION
17		3'-0"	7'-0"	1 3/4"	H.M.	A	H.M.	I	2/A-14	9/A-14	5/A-14			SEE SHEET P.84 FOR LOCATION
18		3'-0"	7'-0"	1 3/4"	H.M	A	H.M.	I	2/A-14	2/A-14	5/A-14			24" x 2'-8" GLASS IN DOOR SEE SHEET P.84 FOR LOCATION



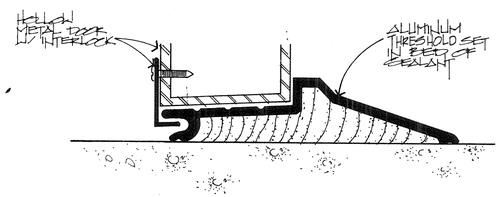
HEAD & JAMB
3" = 1'-0"
2 A-14



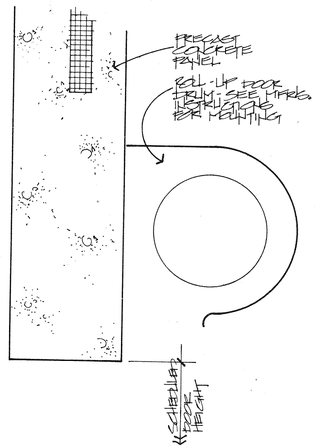
HEAD
3" = 1'-0"
3
A-14



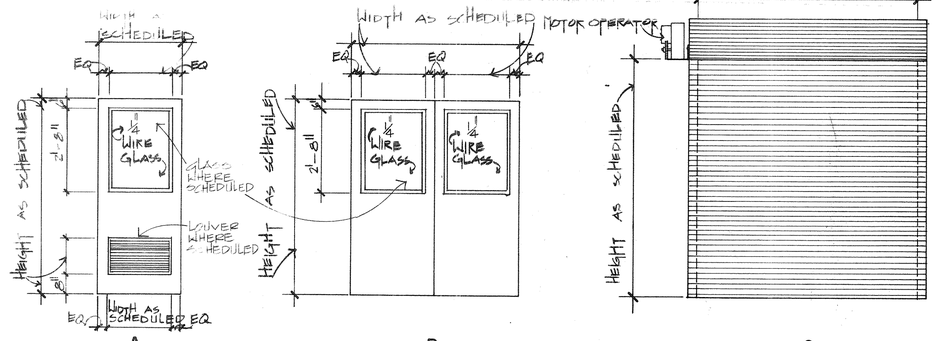
JAMB
3" = 1'-0"
4
A-14



SILL
FULL SIZE
5
A-14

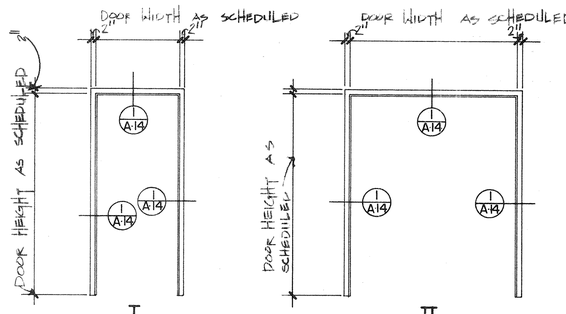


HEAD
3" = 1'-0"
6
A-14



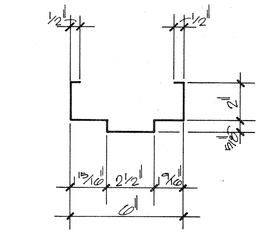
A B C

DOOR TYPES

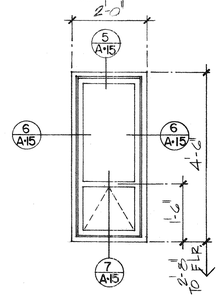


I II

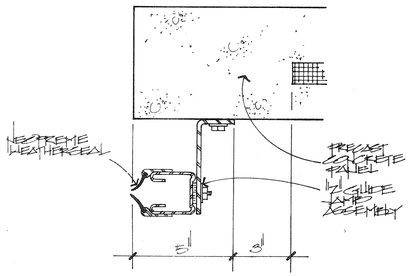
FRAME TYPES



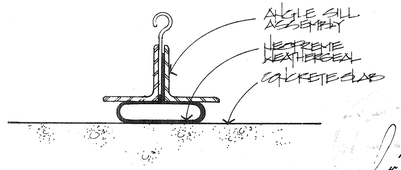
PROFILE
3" = 1'-0"
1
A-14



WINDOW ELEVATION
1/2" = 1'-0"
9
A-14
SEE SHEET P.84 FOR LOCATIONS



JAMB
3" = 1'-0"
7
A-14



SILL
3" = 1'-0"
8
A-14

NOTES:

1. ALL EXTERIOR DOORS AND FRAMES TO BE GALVANIZED AND PRIME COATED FOR PAINT.
2. ALL INTERIOR DOORS TO BE PRIME COATED FOR PAINT

NO.	DATE	BY	DESCRIPTION	PLACES
1		TJB	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

DOOR SCHEDULE AND DETAILS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB. 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

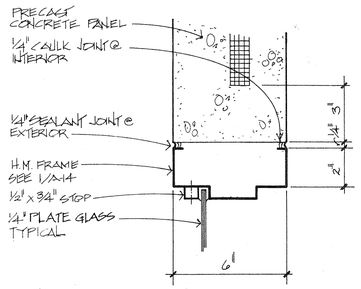
APPROVED

DRAWING NO. 3-A-14

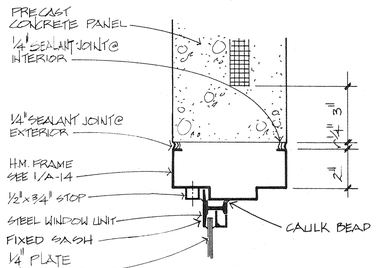
SHEET NUMBER 86 OF 192

POLYTRACE 033

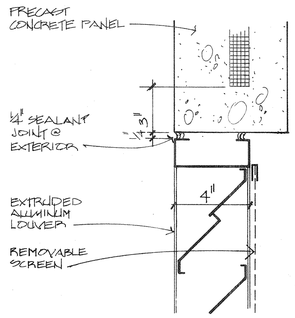
AF 14446



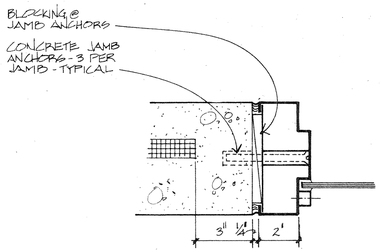
HEAD 3" = 1'-0" — 1 / A-15



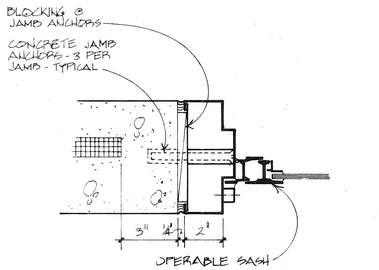
HEAD 3" = 1'-0" — 5 / A-15



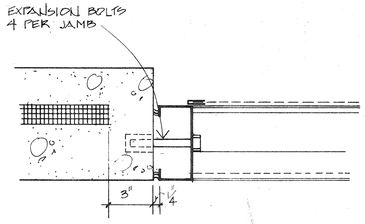
HEAD 3" = 1'-0 — 9 / A-15



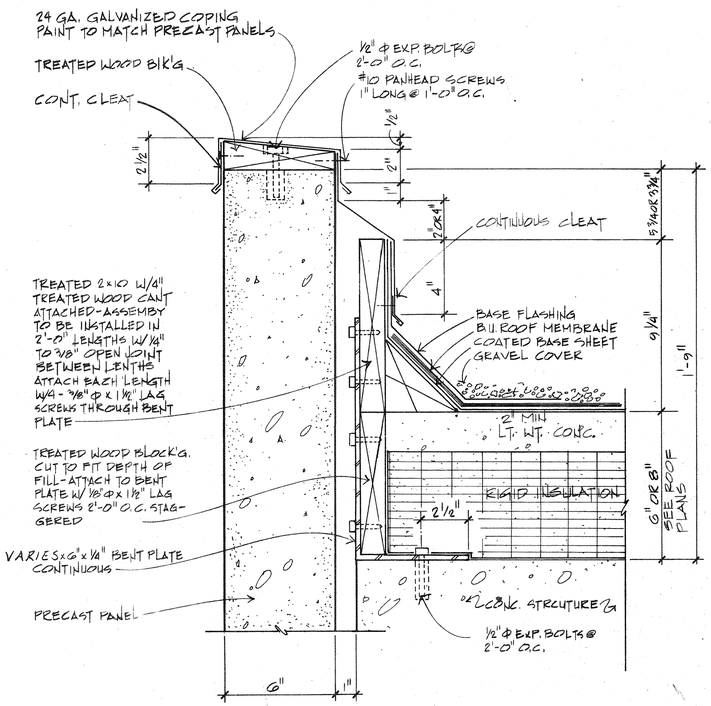
JAMB 3" = 1'-0" — 2 / A-15



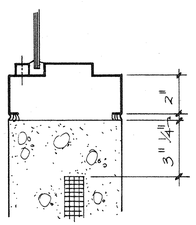
JAMB 3" = 1'-0 — 6 / A-15



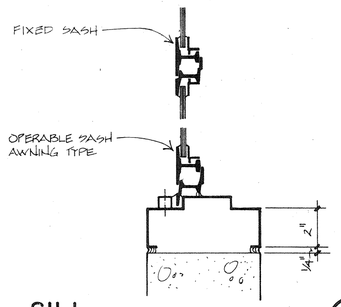
JAMB 3" = 1'-0" — 10 / A-15



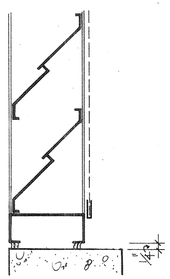
PARAPET DETAIL 3" = 1'-0" — 12 / A-15



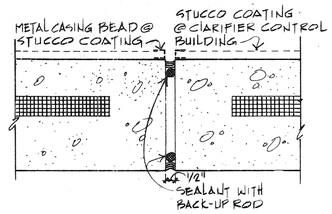
SILL 3" = 1'-0" — 3 / A-15



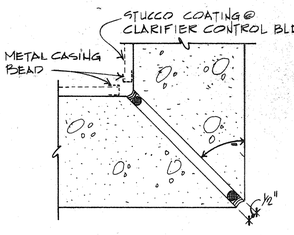
SILL 3" = 1'-0" — 7 / A-15



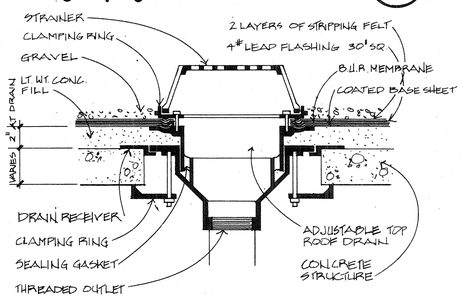
SILL 3" = 1'-0" — 11 / A-15



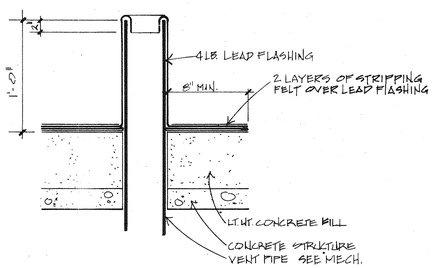
TYPICAL JOINT 3" = 1'-0" — 13 / A-15



TYPICAL CORNER 3" = 1'-0" — 14 / A-15



ROOF DRAIN N.T.S. — 4 / A-15



VENT DETAIL 1 1/2" = 1'-0" — 8 / A-15

NO.	DATE	BY	DESCRIPTION	PLACES
1		F&B	AS BUILT	1

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

MISCELLANEOUS DETAIL

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB. 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

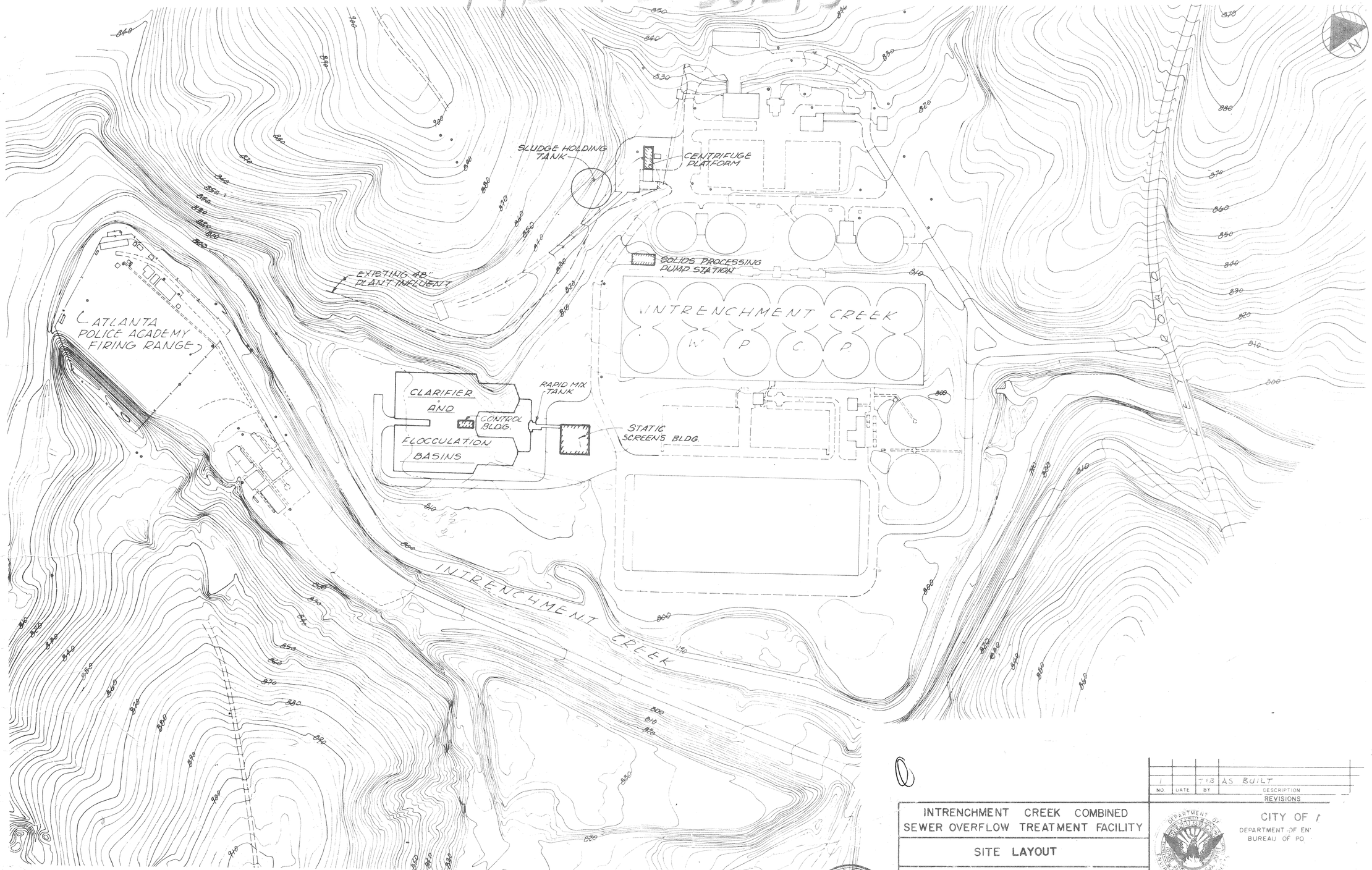
APPROVED

SHEET NUMBER 87 OF 192

DRAWING NO. 3-A-15

© POLYTRACE 033

TAS AS-BUILTS



NO.	DATE	BY	DESCRIPTION
1		TAS	AS BUILT

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SITE LAYOUT

JORDAN, JONES AND GOULDING — DELON [illegible] ASSOCIATES INCORPORATED

GEORGIA REGISTERED No. 4308 PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

DSGN
DRN

CITY OF [illegible]
DEPARTMENT OF EN[illegible]
BUREAU OF PO[illegible]

THREE RIVERS WATER QUALITY MANAGE[illegible]

LAND LOT 111 DISTRICT 15 D[illegible]

APPROVED

POLYTRACE J33

AF 14446

DRY POLYMER

DRY POLYMER

MIX TANKS

MIX TANKS

②

EXISTING CENTRIFUGE

CENTRATE

TO PLANT INFLUENT

CENTRIFUGE PLATFORM

⑤

⑧

CHLORINATION POINT ①

SLUDGE HOLDING TANK

④ M

④ M

EXISTING SECONDARY DIGESTERS

④ M

④

CHLORINATION POINT ①

TO INTRENCHMENT CREEK PLANT

EXIST. MH.

SOLIDS PROCESSING PUMP STATION

TO ADMIN BLDG. ⑬

CENTRATE SAMPLE PUMP VAULT ⑥

TASK 2 TASK 3

TO INTRENCHMENT CREEK

PLANT DISTRIBUTION FLUME

M

SEAL WATER

SEAL WATER

⑧

50

50

SLUDGE DENSITY METERS

50

50

FLOW METER

SLUDGE PUMP STATION

TASK 2 TASK 3

THROTTLING VALVE

M

① CHLORINATION POINTS

⑨

M M

SCREENS

SCREENS

SCREENING CONTAINER

TUNNEL PUMP STATION

INFLUENT SAMPLERS

SUSPENDED SOLIDS PROBE

EFFLUENT SAMPLERS

BULK FERRIC CHLORIDE

STATIC SCREENS BLDG

MULTIPLE FEED POINTS

DRY POLYMER SYSTEM

BULK LIQUID POLYMER

②

MIX TANKS

MULTIPLE FEED POINTS

⑩

CLARIFIER

⑦

⑪

FLOCCULATION

STATIC MIXER

RAPID MIX TANK

M M

① CHLORINATION POINT

PARSHALL FLUME

⑩

CLARIFIER

⑦

⑪

PCO 37

FLOCCULATION

STATIC MIXER

M

⑫

TO CREEK

M

TO TUNNEL

11/82

10	8/83	TNM	DELETE SLDG. BLKT. PROBE	2
8	10/82	TNM	REMOVE SEAL WATER	6
7	10/82	TNM	REMOVE HOPPERS	2
6	4/30/82	TNM	ADDED CENTRATE SAMPLE VAULT	1
5	4/30/82	TNM	FLOW METERS ON CENTRIFUGE FEED	#0
4	4/30/82	TNM	ADDED MOTORIZED VALVES ON SLUDGE LINES	3
~~3~~	~~4/30/82~~	~~TNM~~	~~ADDED SLUDGE BLANKET PROBE~~	~~2~~
2	4/30/82	CE	REVISED CHEMICAL FEED	2
1	4/30/82	CE	ADDED CHLORINATION POINTS	4
NO	DATE	BY	DESCRIPTION	PLACES

REVISIONS

PCO 41	13	8/83	TNM	DELETE REF. TO SAMPLE SINK	1
PCO 31	12	8/83	TNM	DELETE 24" BV.	
PCO 29	11	8/83	TNM	DELETE 16" SCUM PIPE	2
PCO 7 XIV	9	11/82	TPH	DELETE CSO BY-PASS FLOW MTR	1
	14			T&B AS BUILT	

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

PROCESS SCHEMATIC

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED No. 4108 PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

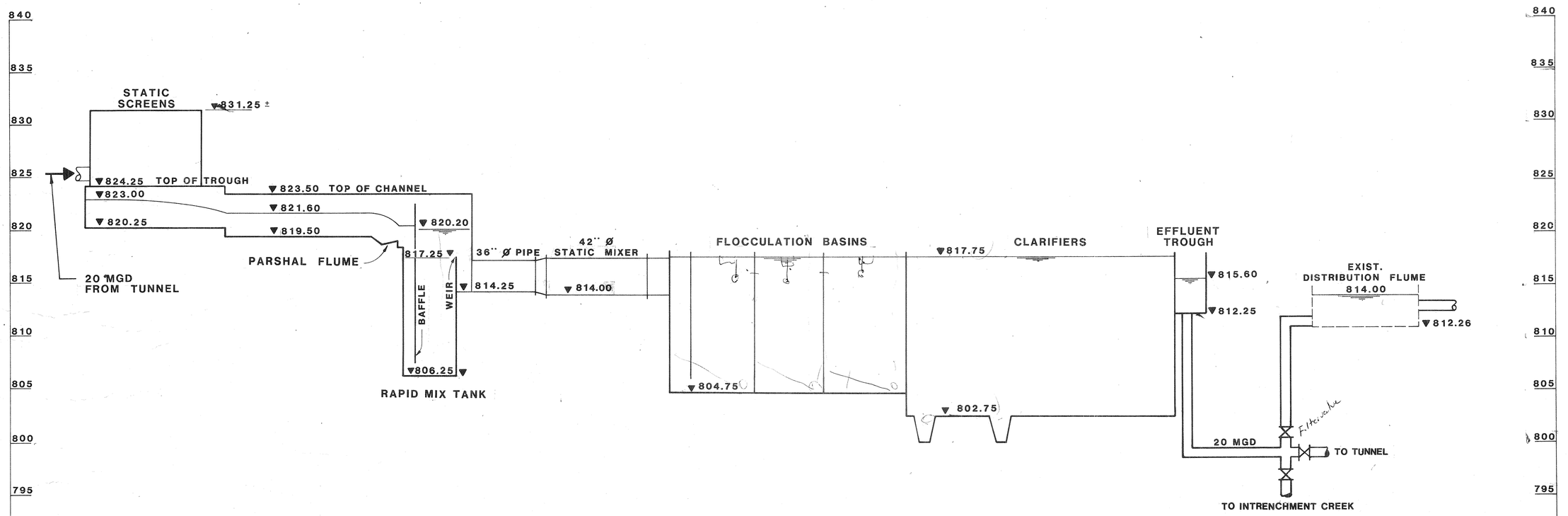
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	APPROVED	LAND LOT 111	DISTRICT 15 DEKALB COUNTY
DRWN		APPROVED	SHEET NUMBER 35 OF 192
CHKD	SCALE N.T.S. DATE FEB. 1981	DRAWING NO. 3-P-2	

POLYTRACE 033

AF 14446



HYDRAULIC PROFILE

SCALE : HORZ. : NTS
VERT. : 1"= 5'- 0"

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
1		T&B	AS BUILT	

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

HYDRAULIC PROFILE

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED No. 5304 PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB. 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COU

APPROVED

DRAWING NO. 3 - P - 3

SHEET NUM 36 OF 192

POLYTRACE 033

AF 14446

MATCH LINE

SEE DWG. 3-P-6

MATCH LINE

SEE DWG. 3-P-5

STATIC SCREENS BUILDING

CHLORINE GAS LINE (MIN. 3'-0" COVER)

EXIST. 2" WATER TO BE ABANDONED

PLUG & BLOCK

EXIST 8" SLUDGE TO BE ABANDONED

EXIST. 2" WATER

EXIST. 1½" GAS

PLUG AFTER REMOVAL OF TEMP. CONN. WHEN 6" WATER IS PLACED IN SERVICE (SEE SHEET 3-P-5)

TASK 3 TASK 4

2 @ 1½" POLYMER SOLUTION LINES (1½" ENCASEMENT)

EL. 800.43

PLUG

18" C.S.O. BY-PASS (3'-6" MIN. COVER)

EXIST. 42"

EXIST. 12"

EXIST. 2" WATER

24"x18" REDUCER

P.V.

24"x 18" RED.

GUARD POST (TYP.)

2" PVC SCHD. 80 CHEMICAL WASTE

CONNECT TO (2) EXIST. 18" LINES FROM TUNNEL W/ SOLID SLEEVES

N 134708
E 448677
INV. EL. 796.21

EXIST. 2" WATER

EXIST 8" SLUDGE

24" x 18" REDUCER

18" SCREEN INFLUENT

18" SCREEN INFLUENT

EXIST. 42" PLANT EFFLUENT

2" G.S.P. SLUMP PUMP DISCHARGE

CONNECT TO EXIST. CONC. JUNCTION MANHOLE @ EL. 792.05

24"

INV. EL. 788.01

INV. EL. 795.77

24" RECIRCULATION @ 0.10%

6" DRAIN @ 1.32%

TASK 3 TASK 2

N 1347026
E 448610
INV. EL. 795.71

CONNECT TO EXIST. 24" FROM TUNNEL W/ SOLID SLEEVE

(1) NOTES:

1. ALL WATER LINES TO HAVE 4'-0" MIN. COVER.

LEGEND

- DUCTILE IRON OR STEEL PIPE (18" & LARGER)
  DUCTILE IRON PIPE (16" & SMALLER)
- MANHOLE
- DRAIN & SEWER PIPE (PVC OR CLAY)
- GATE VALVE — W — WATER PIPING (3" & LARGER-DUCTILE IRON) (SMALLER THAN-3" GSP)
- C — CHLORINE GAS PIPING (SCH. 80 PVC)
- ELECTRIC OPERATOR
- FLOORSTAND OPERATOR
- VALVE: P.V. - PLUG VALVE
  B.V. - BUTTERFLY VALVE
  G.V. - GATE VALVE
- BALL VALVE

KEY PLAN

	3-P-8	
3-P-7	3-P-6	
3-P-5	3-P-4	

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
7		T&B	AS BUILT	
6	8/83	TNM	ADDED DRAIN FROM POLY. INJ. VAULT	1
5	8/83	TNM	CHANGE BALL VALVE FROM 24" TO 18"	1
4	8/83	TNM	DELETE 16" SCUM PIPE, ADD 8" DRAIN	1
3	11/82	CE	REV. 18" CSO BY-PASS	1
2	11/82	TPH	DELETE CSO BY-PASS METER VLT.	1
1	11/82	TPH	ADD NOTE #1	1

PCO 34
PCO 29
PCO 7XIV
PCO 7XIV

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

YARD PIPING

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAM

DSGN		APPROVED	
DRWN			
CHKD		SCALE 1" = 20'	DATE FEB. 1981

LAND LOT | DISTRICT | CC

APPROVED

SHEET NO. 37 OF 192

DRAWING NO. 3-P-4

© POLYTRACE® 933

AF. 14446

MATCH LINE

SEE DWG. 3-P-8

SEE DWG. 3-P-7

MATCH LINE

SEE DWG. 3-P-4

EXIST. 48" 8"45° BEND PLANT INFLUENT

8" SLUDGE

3" I.R. G.V.

SOLIDS PROCESSING PUMP STATION

4" C.I.S.P. DRAIN @ 1.00% MIN. SLUDGE TO CENTRIFUGE

8" TEMP. BY-PASS

CONNECT TO EXIST. 8" SLUDGE W/ 45° BEND

6" P.V.

8"x6" TEE

8" P.V.

PLUG

4" ϕ DRAIN

2" PVC CHLORINE GAS EXIST. 8" SLUDGE LINE (MIN 2.0" COVER) TO BE ABANDONED

SEE SHEET 3-P-37 FOR CONTINUATION

REMOVE EXIST. 6" FOR CONSTRUCTION OF SOLIDS PROCESSING PUMP STATION (AFTER TEMP. BY-PASS IS PLACED IN SERVICE)

8"45° BEND

18" 11¼° BEND

6" 22½° BEND

18" 22½° BEND

INTRENCHMENT CREEK

42" EFFLUENT TO INTRENCHMENT CREEK PLANT TRICKLING FILTERS

TASK 3 TASK 4

2" PVC CHLORINE GAS LINE

18" C.S.O. BY-PASS

EXIST. 30"

EXIST. 8" SLUDGE TO BE ABANDONED

EXIST. 12" 645

EXIST. 2" WATER

8" 45° BEND

8" C.S.O. SLUDGE TO SLUDGE HOLDING TANK

C.B.

L.P.

+808.2 +808.3 +808.1 +808.0 +803.8 +804.1 +814.9 +816.9 815 810

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
10		T&B	AS BUILT	
9	11/82	TPH	DELETE 2" SUMP PUMP DISCH.	1
7	11/9/82	TNM	ADDED 8" C.I.S.P. DRAIN FROM SOL. PROCESS. P.S.	1
6	11/9/82	TNM	RELOCATED 4" C.I.S.P. DRAIN	1

KEY PLAN

	3-P-8	
3-P-7	3-P-6	
3-P-5	3-P-4	

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES H. HAMILTON JR.

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

YARD PIPING

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
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DSGN | APPROVED
DRWN
CHKD
SCALE 1" = 20' DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT | DISTRICT | COUNTY

APPROVED

SHEET NUMBER 39 OF 192

DRAWING NO. 3-P-6

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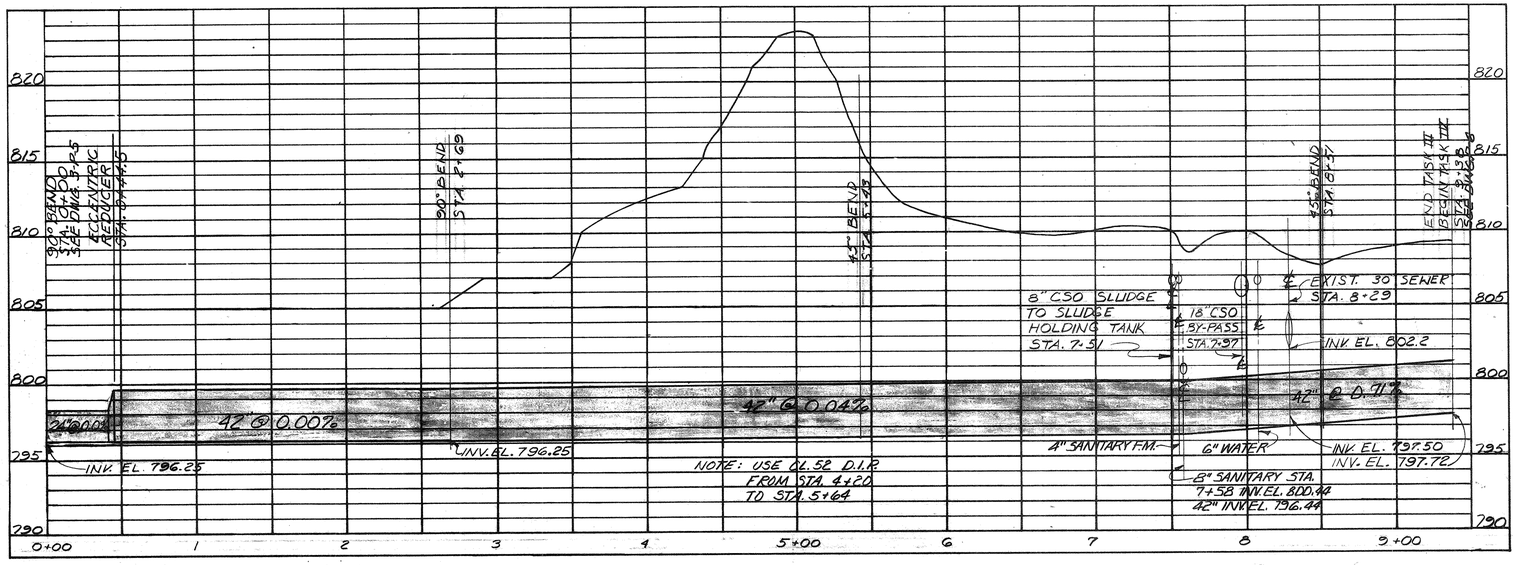
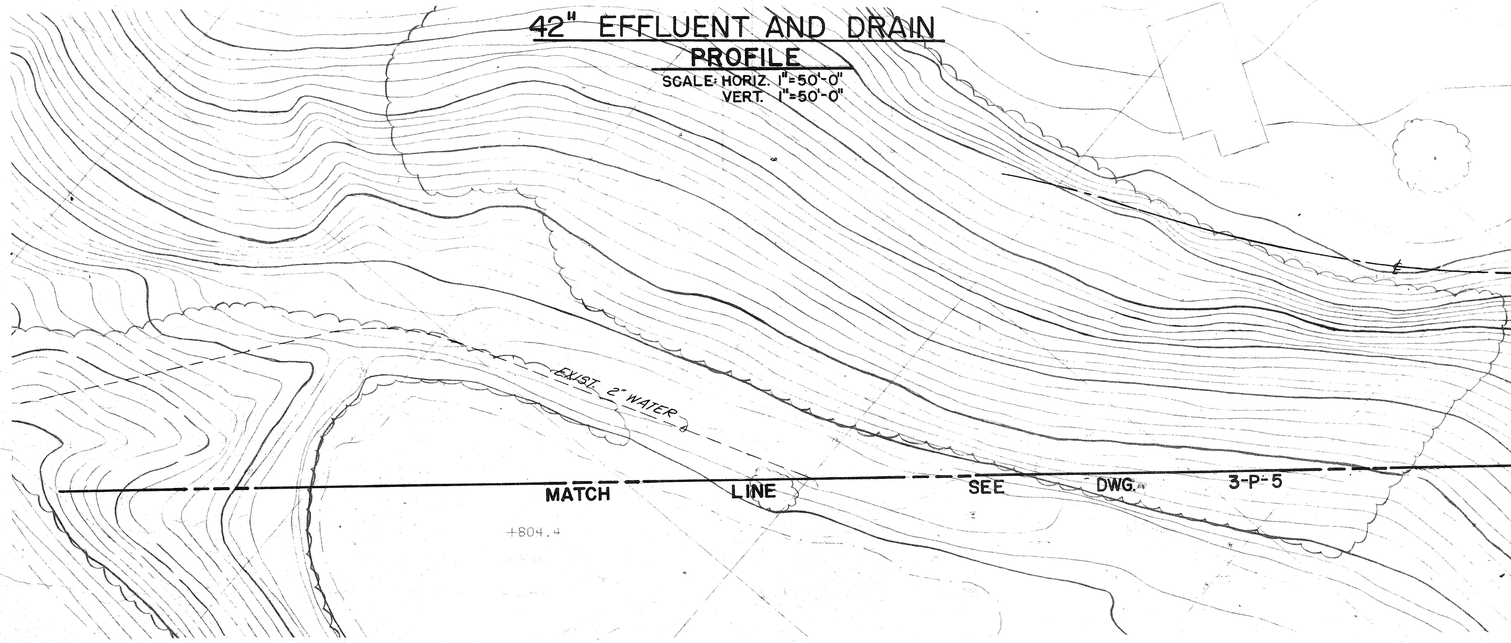


42" EFFLUENT AND DRAIN PROFILE

SCALE: HORIZ. 1"=50'-0"
VERT. 1"=50'-0"



KEY PLAN

	3-P-8
3-P-7	3-P-6
3-P-5	3-P-4

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

NO.	DATE	BY	DESCRIPTION	PLACES
1	7/83	AS	BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

YARD PIPING

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
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ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	APPROVED	
DRWN		
CHKD	SCALE 1" = 20'	DATE FEB., 1981

LAND LOT	DISTRICT	COUNTY
APPROVED		SHEET NUMBER 40 OF 192
DRAWING NO. 3 - P - 7		

POLYTRACE 033

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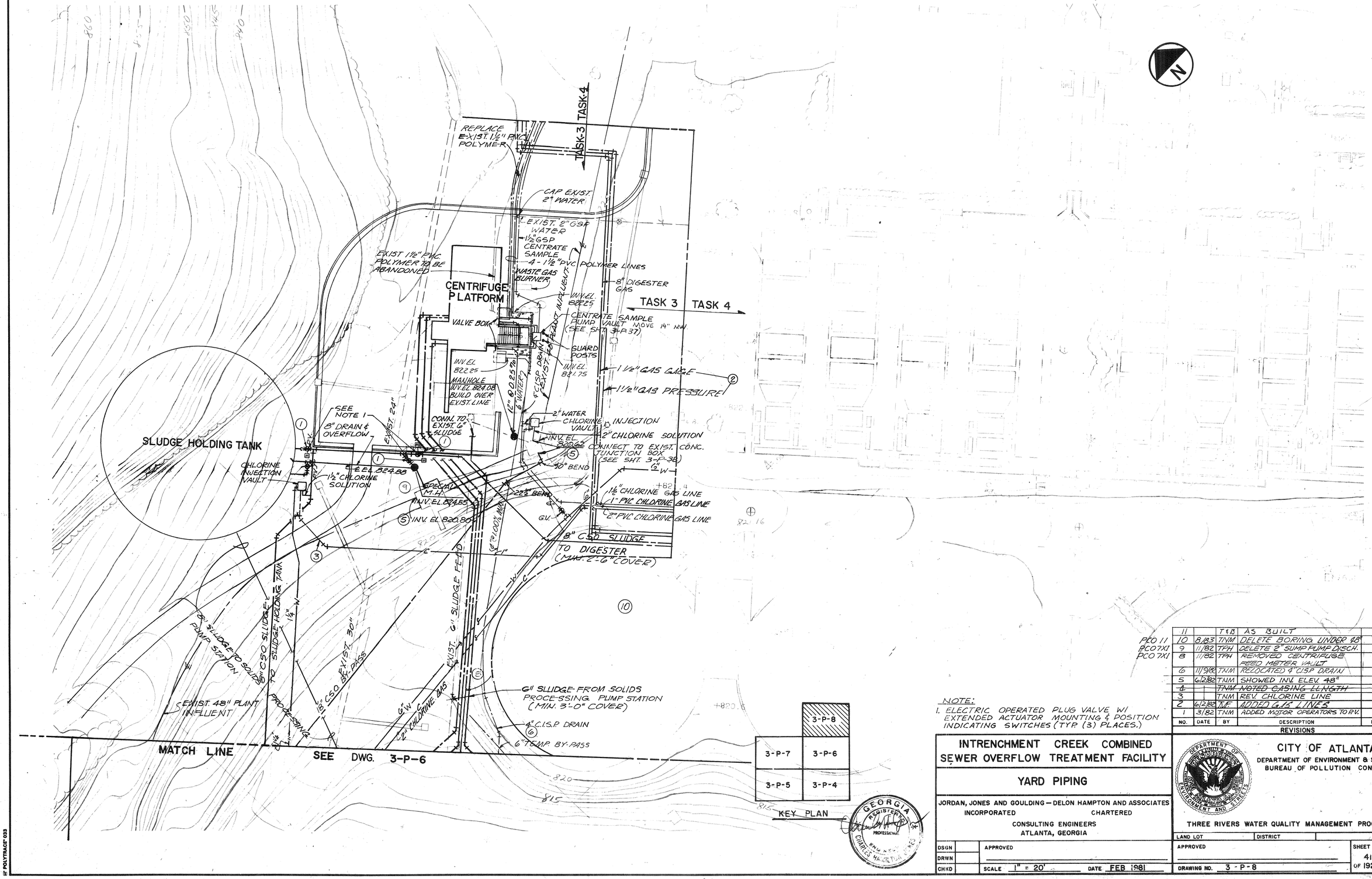

NOTE:
1. ELECTRIC OPERATED PLUG VALVE W/ EXTENDED ACTUATOR MOUNTING & POSITION INDICATING SWITCHES (TYP (3) PLACES.)

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
11		T&B	AS BUILT	
10	8/83	TNM	DELETE BORING UNDER 48"	1
9	11/82	TPH	DELETE 2" SUMP PUMP DISCH.	1
8	11/82	TPH	REMOVED CENTRIFUGE FEED METER VAULT	1
6	11/9/82	TNM	RELOCATED 4" C.I.S.P. DRAIN	1
5	6/2/82	TNM	SHOWED INV. ELEV. 48"	2
4		TNM	NOTED CASING LENGTH	1
3		TNM	REV. CHLORINE LINE	1
2	6/2/82	T.F.	ADDED GAS LINES	2
1	3/82	TNM	ADDED MOTOR OPERATORS TO P.V.	3

PCO 11
PCO 7X1
PCO 7X1

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

YARD PIPING

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CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED
DRWN		
CHKD		SCALE 1" = 20' DATE FEB 1981

LAND LOT	DISTRICT	COUNTY
APPROVED		SHEET NUMBER 41 OF 192
DRAWING NO. 3 - P - 8		

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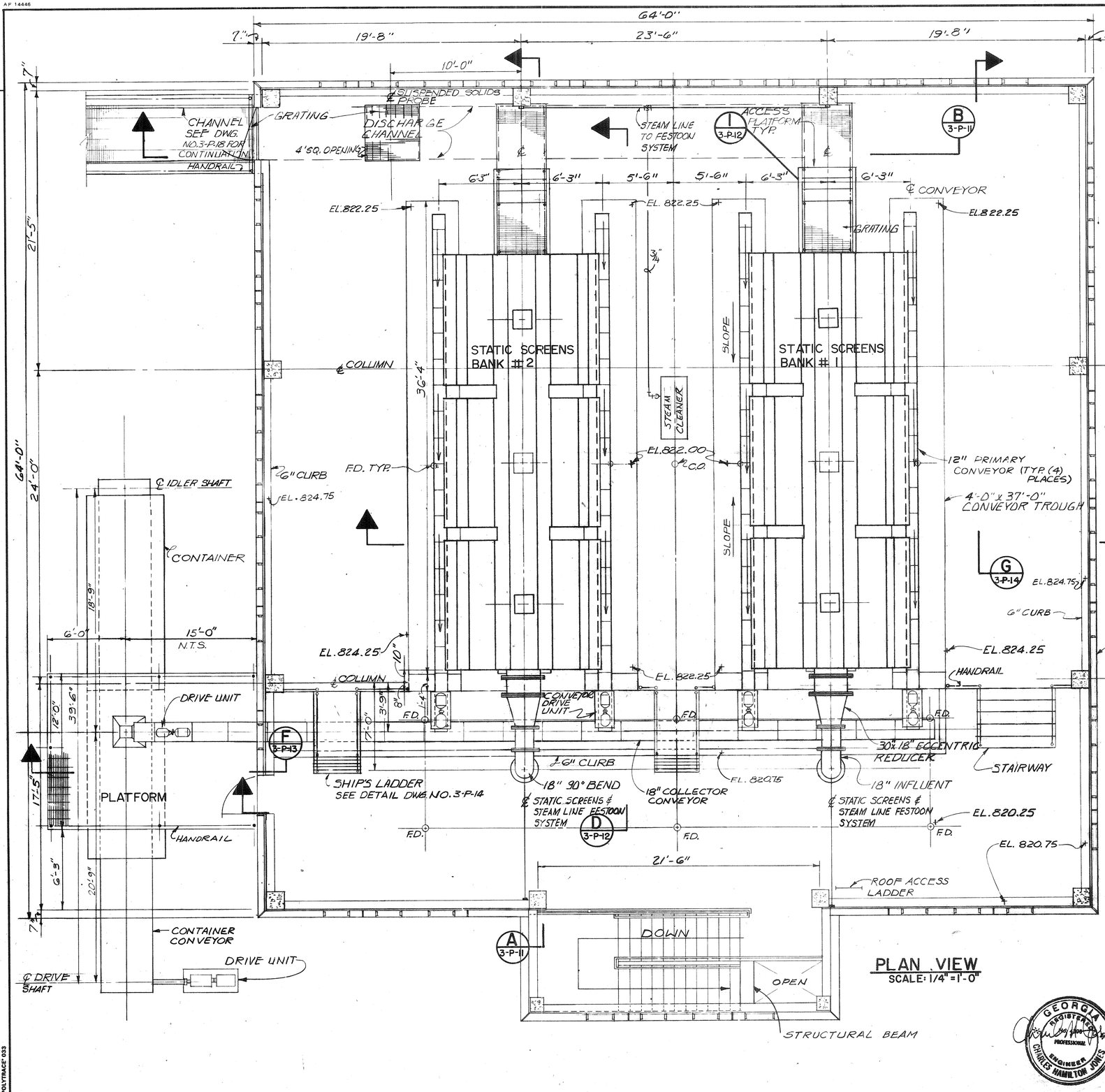
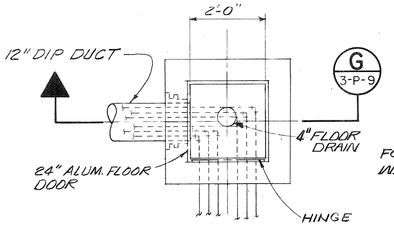
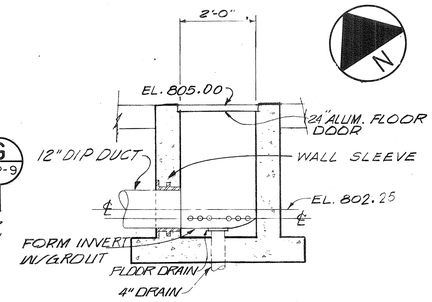


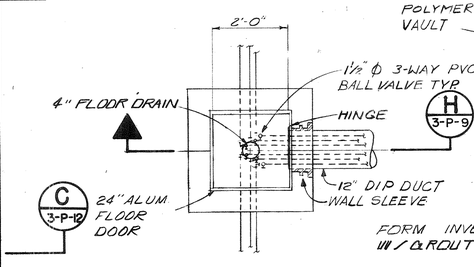
PLAN VIEW
SCALE: 1/4" = 1'-0"



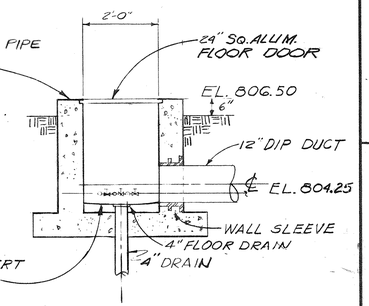
DETAIL 2 (3-P-9)
SCALE: 1/2" = 1'-0"



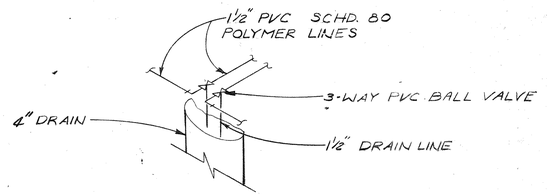
SECTION G (3-P-9)
SCALE: 1/2" = 1'-0"



DETAIL 3 (3-P-9)
SCALE: 1/2" = 1'-0"



SECTION H (3-P-9)
SCALE: 1/2" = 1'-0"



E 3-P-13

POLYMER DRAIN SCHEMATIC
N.T.S.

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREENS BUILDING
TOP FLOOR PLAN & DETAILS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
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CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED	LAND LOT 111	DISTRICT 15	DEKALB COUNTY
DRWN			APPROVED		SHEET NUMBER 42
CHKD		SCALE AS SHOWN DATE FEB 1981	DRAWING NO. 3-P-9		OF 192

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AF 14446

PLAN VIEW
SCALE: 1/4" = 1'-0"

SECTION
SCALE: 1/2" = 1'-0"

DETAIL
SCALE: 1/2" = 1'-0"

NOTE: SEE SCHEMATICS DWGS. NO. 3-P-15 & 3-P-16 FOR NOMENCLATURE OF PIPING & APPURTENANCES

NO.	DATE	BY	DESCRIPTION	PLACES
3		TAB	AS BUILT	
2	3/82	HCE	ADDED SUMP IN/ SUBMERSIBLE PUMP	1
1	3/82	HCE	REVISED EFFLUENT SAMPLERS	2

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREENS BUILDING BOTTOM FLOOR PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
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DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB. 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

DRAWING NO. 3-P-10

SHEET NUMBER 43 OF 192

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

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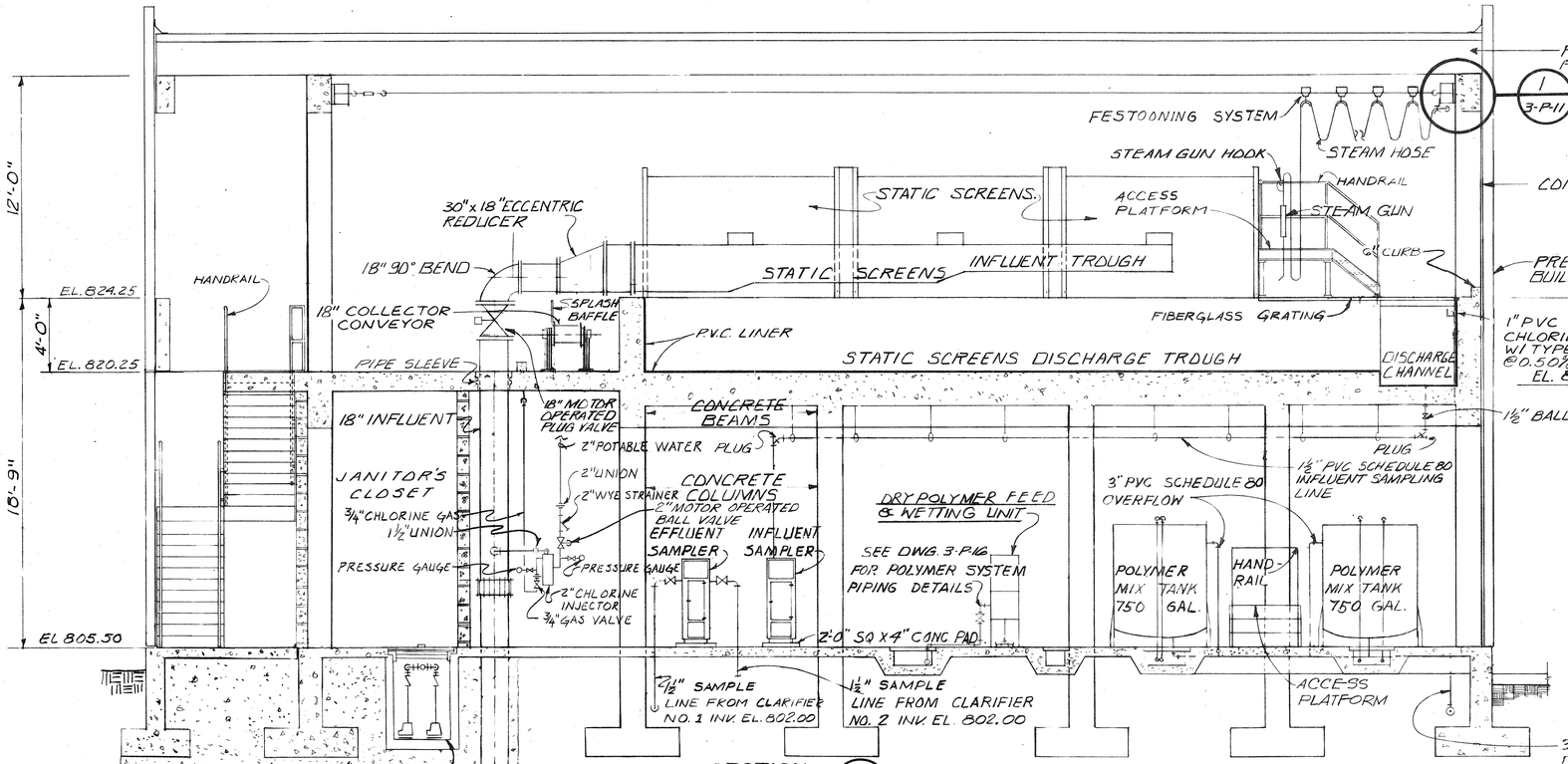
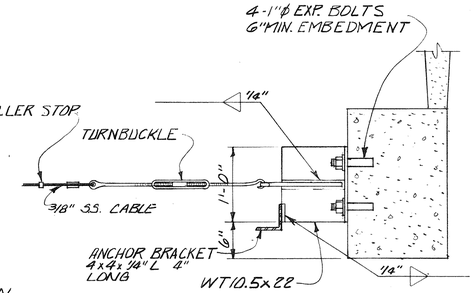
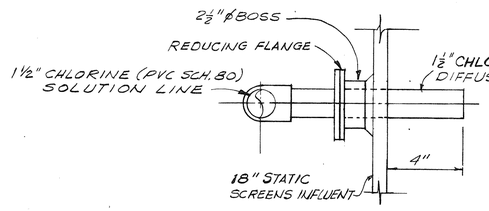


SECTION A
SCALE: 1/4"=1'-0" 3-P-11

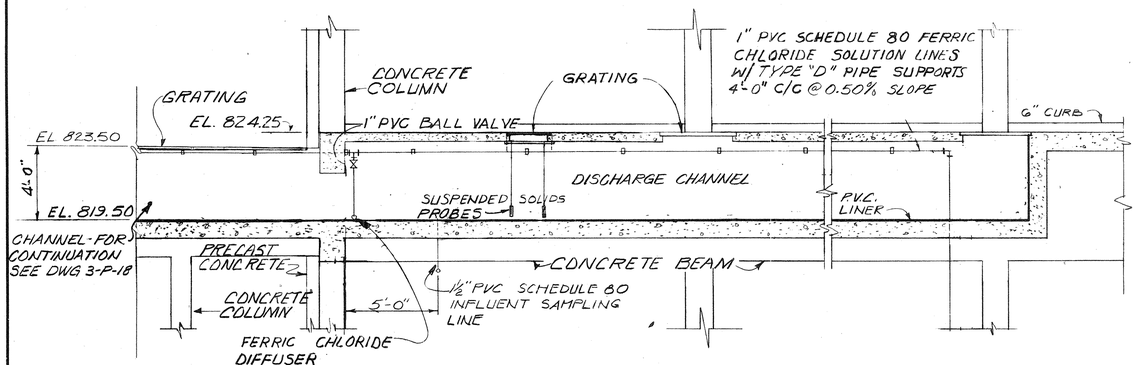


NOTE: WALL ATTACHMENT ASSEMBLIES SHALL BE PROVIDED BY THE FESTOONING SYSTEM MFGR.

DETAIL 1
SCALE: 1"=1'-0" 3-P-11



CHLORINE DIFFUSER DETAIL
SCALE: 3"=1'-0"



SECTION B
SCALE: 1/4"=1'-0" 3-P-11

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
1		TEB	AS BUILT	

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREENS BUILDING SECTIONS & DETAILS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
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ATLANTA, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB. 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

DRAWING NO. 3-P-11

SHEET NUMBER 44 OF 192

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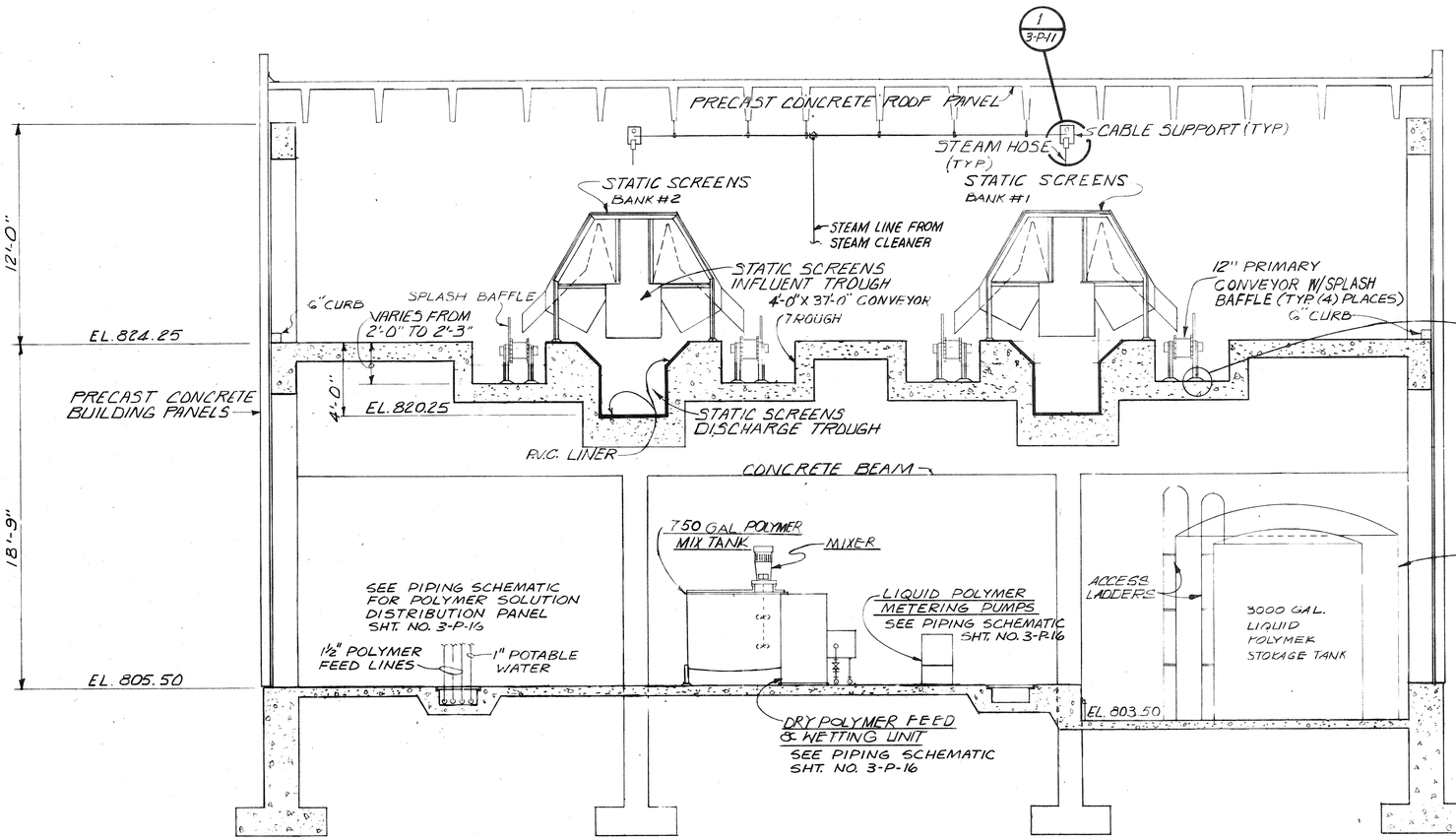
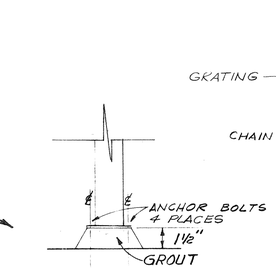
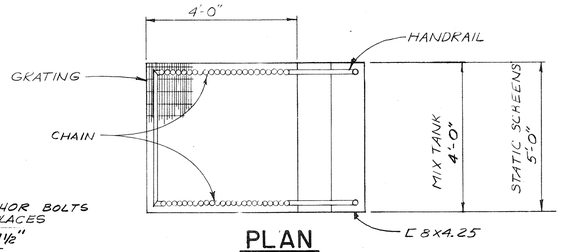


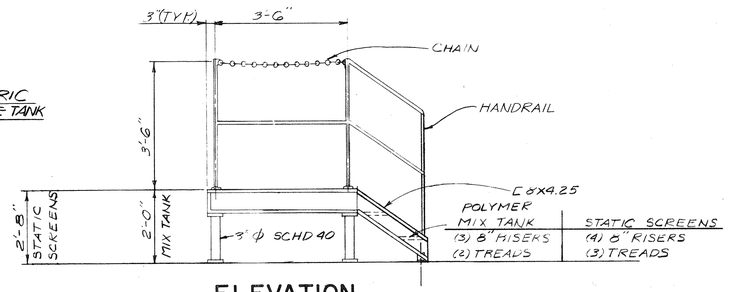
SECTION C
SCALE: 1/4"=1'-0" (3-P-12)



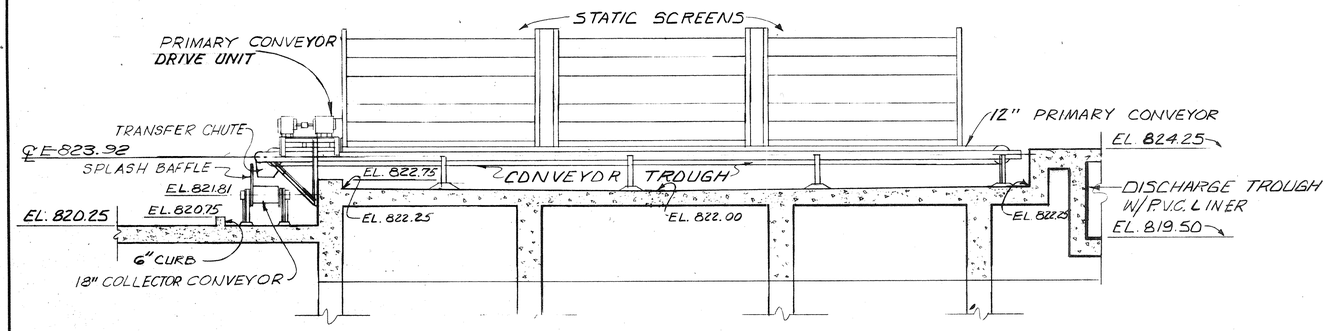
TYPICAL ALL SUPPORTS



PLAN
SCALE: 1/2"=1'-0"



ELEVATION
ACCESS PLATFORM DETAIL (1 / 3-P-12)
SCALE: 1/2"=1'-0"
MATERIAL: ALUMINUM



SECTION D
SCALE: 1/4"=1'-0" (3-P-12)

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREENS BUILDING SECTIONS & DETAILS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
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ATLANTA, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB. 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

SHEET NUMBER 45 OF 192

DRAWING NO. 3-P-12

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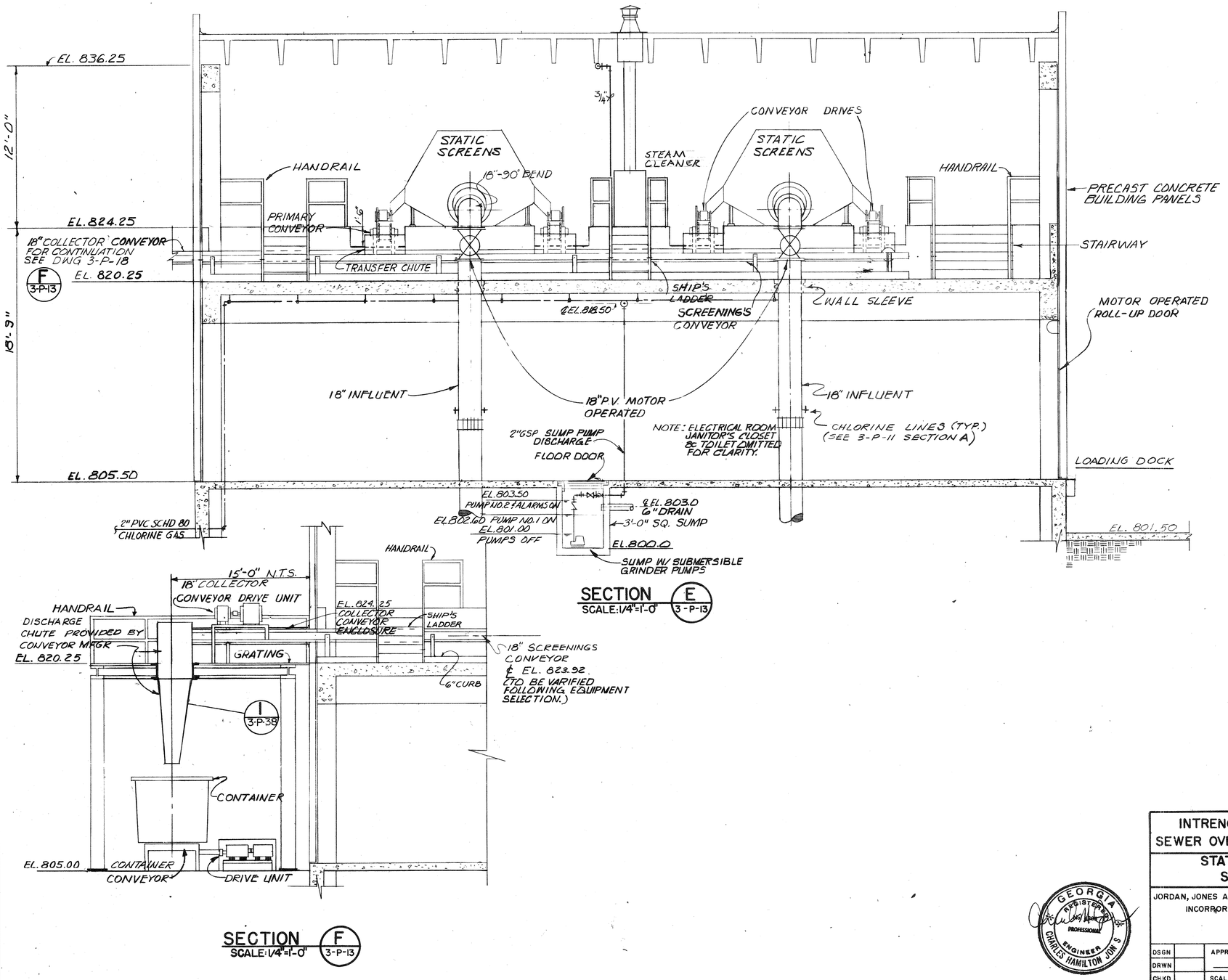

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JON S

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREENS BUILDING SECTIONS & DETAILS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
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CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB. 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

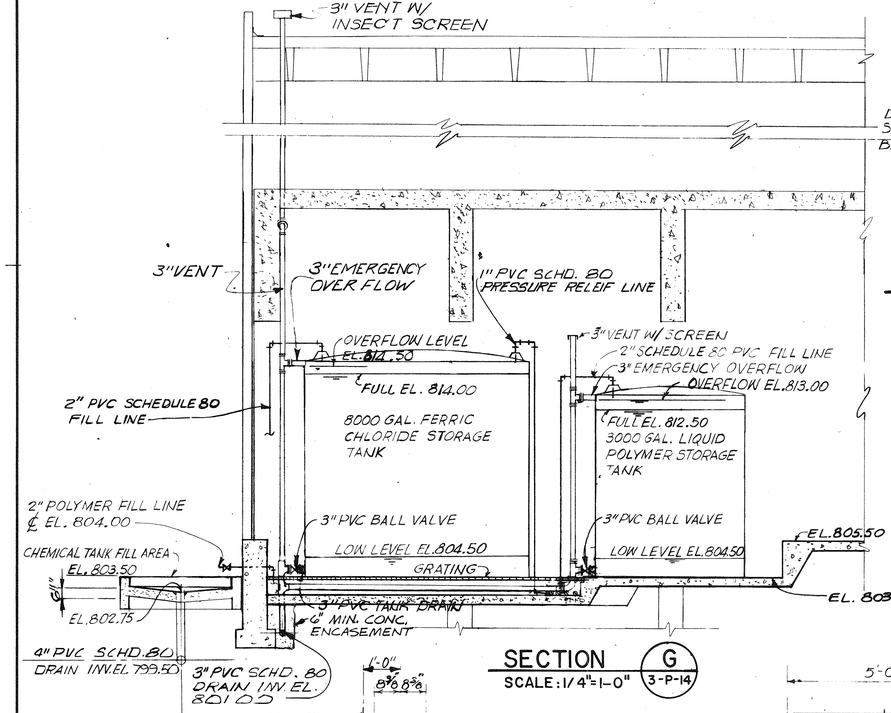
APPROVED

DRAWING NO. 3-P-13

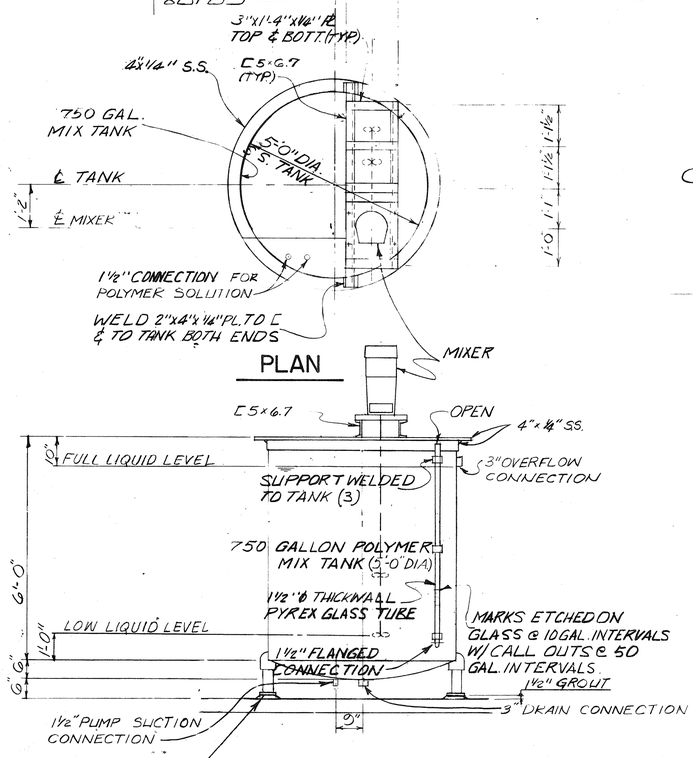
SHEET NUMBER 46 OF 192

POLYTRACE 033

AF 14446



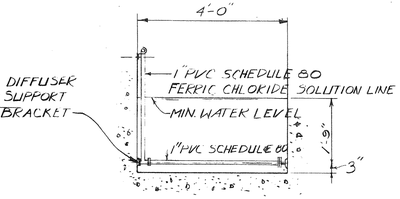
SECTION G
SCALE: 1/4"=1'-0" (3-P-14)



PLAN

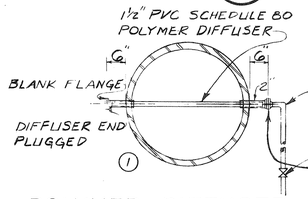
ELEVATION

POLYMER MIX TANK DETAILS
SCALE: 1/2"=1'-0



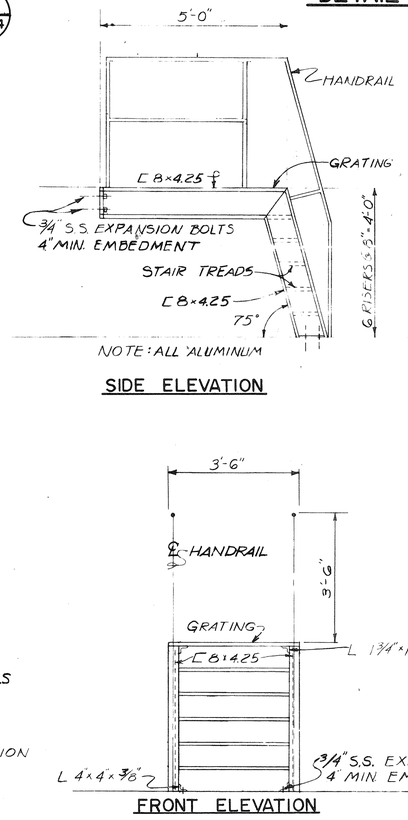
FERRIC CHLORIDE DIFFUSER
SCALE: 1/2"=1'-0"

DETAIL 3 (3-P-14)



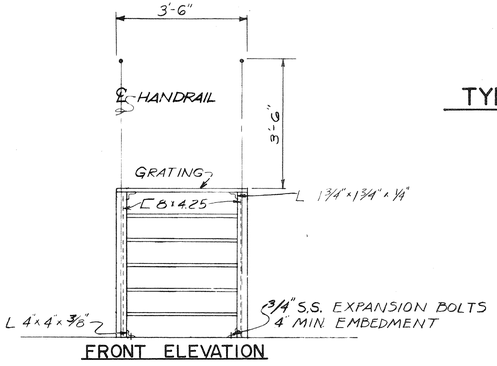
POLYMER DIFFUSER
SCALE: 1/2"=1'-0"

DETAIL 4 (3-P-14)



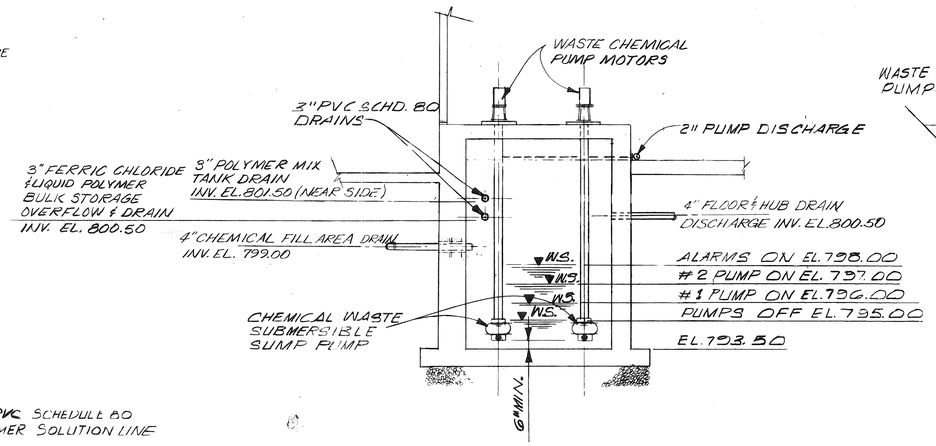
NOTE: ALL ALUMINUM

SIDE ELEVATION

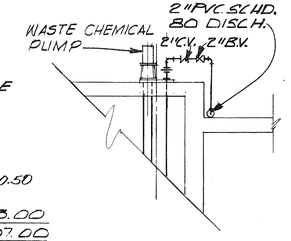


FRONT ELEVATION

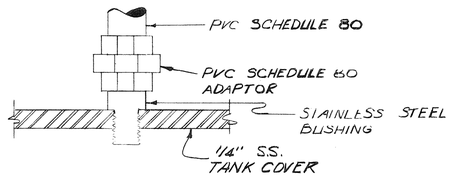
TYPICAL SHIPS LADDER DETAIL
SCALE: 1/2"=1'-0" MATERIAL: ALUMINUM



SECTION H
SCALE: 1/4"=1'-0" (3-P-14)



SECTION I
SCALE: 1/4"=1'-0" (3-P-14)



TYPICAL CONNECTION FOR POLYMER MIX TANK COVER
N.T.S

DETAIL 2 (3-P-14)

NO.	DATE	BY	DESCRIPTION	PLACES
2		TJB	AS BUILT	
1	11/82	TPH	DELETE REF. TO DETAIL 2	1

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREENS BUILDING CHEMICAL FEED SECTIONS AND DETAILS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB. 1981

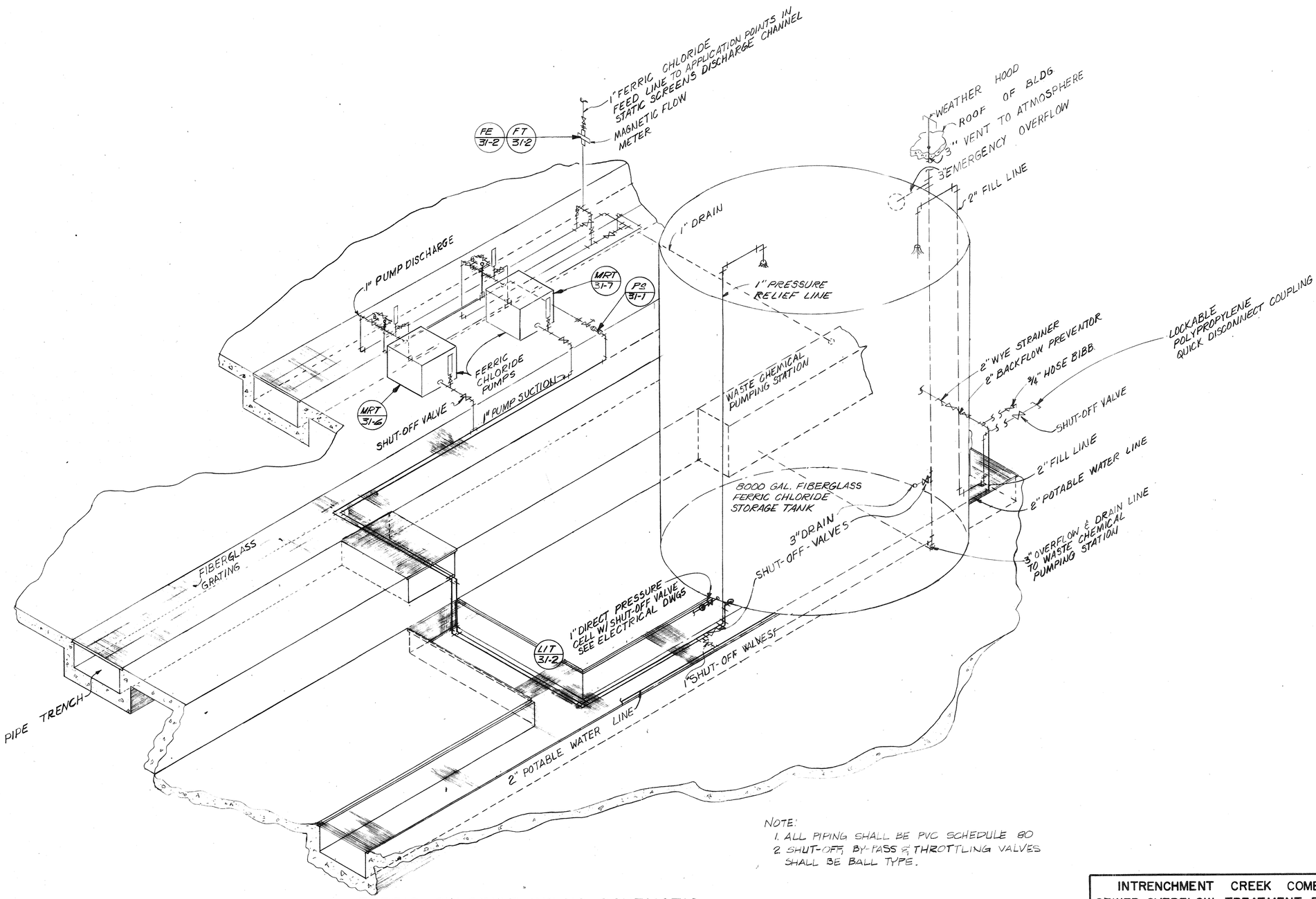
APPROVED

SHEET NUMBER 47 OF 192

DRAWING NO. 3-P-14

POLYTRACE 033

A.F. 14446



NOTE:
1. ALL PIPING SHALL BE PVC SCHEDULE 80
2. SHUT-OFF, BY-PASS & THROTTLING VALVES SHALL BE BALL TYPE.

FERRIC CHLORIDE PIPING SCHEMATIC

LEGEND

- BACK PRESSURE VALVE
- MOTOR OPERATED BALL VALVE
- PRESSURE REGULATING VALVE
- PRESSURE RELIEF VALVE
- PRESSURE GAUGE 0-50 PSI
- PRESSURE SENSOR SPOOL
- BALL VALVE (MANUALLY OPERATED)
- FLOW INDICATOR
- PULSATION DAMPENER
- CALIBRATION CHAMBER

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
2		T&B	AS BUILT	
1	4/82	CE	ADDED VALVE IDENTIFICATIONS	GEN

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

FERRIC CHLORIDE PIPING SCHEMATIC

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED	
DRWN			
CHKD		SCALE N.T.S.	DATE FEB. 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

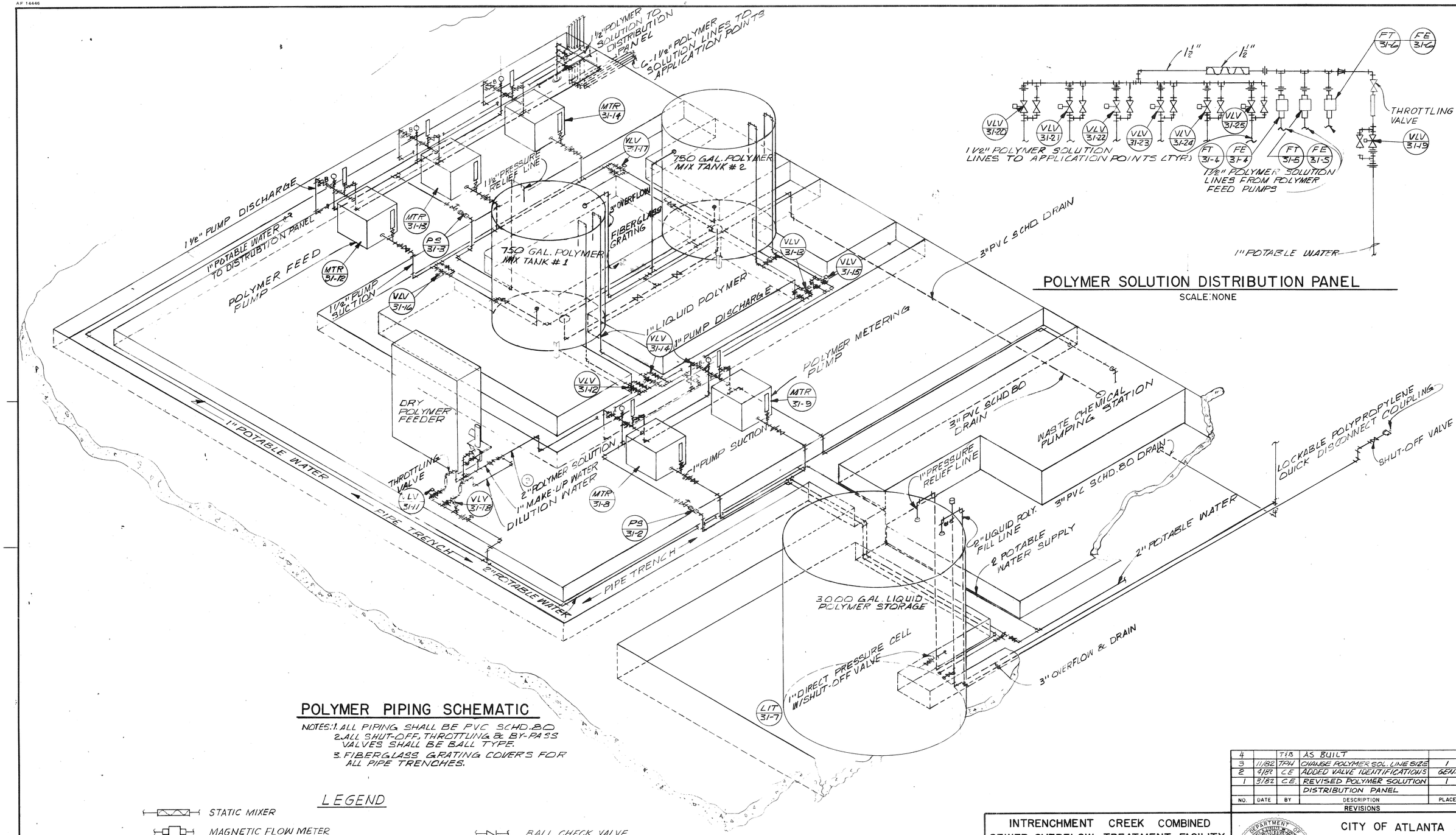
APPROVED

SHEET NUMBER 48 OF 192

DRAWING NO. 3 - P - 15

POLYTRACE 033

AF 14446



POLYMER SOLUTION DISTRIBUTION PANEL

SCALE: NONE

POLYMER PIPING SCHEMATIC

NOTES: 1. ALL PIPING SHALL BE PVC SCHD. 80
2. ALL SHUT-OFF, THROTTLING & BY-PASS VALVES SHALL BE BALL TYPE.
3. FIBERGLASS GRATING COVERS FOR ALL PIPE TRENCHES.

LEGEND

- STATIC MIXER
- MAGNETIC FLOW METER
- MOTOR OPERATED BALL VALVE
- PRESSURE REGULATING VALVE
- PRESSURE RELIEF VALVE
- PRESSURE GAUGE 0-50PSI
- BACK PRESSURE VALVE
- FLOW INDICATOR W/THROTTLING VALVE
- BALL CHECK VALVE
- BALL VALVE (MANUALLY OPERATED)
- FLOW INDICATOR
- PULSATION DAMPENER W/DRAIN
- CALIBRATION CHAMBER
- PRESSURE SENSOR SPOOL

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
4		TAB	AS BUILT	
3	11/82	TPH	CHANGE POLYMER SOL. LINE SIZES	1
2	4/82	C.E.	ADDED VALVE IDENTIFICATIONS	GEN.
1	3/82	C.E.	REVISED POLYMER SOLUTION DISTRIBUTION PANEL	1

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

POLYMER PIPING SCHEMATIC

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED	
DRWN			
CHKD		SCALE N.T.S. DATE FEB. 1981	

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

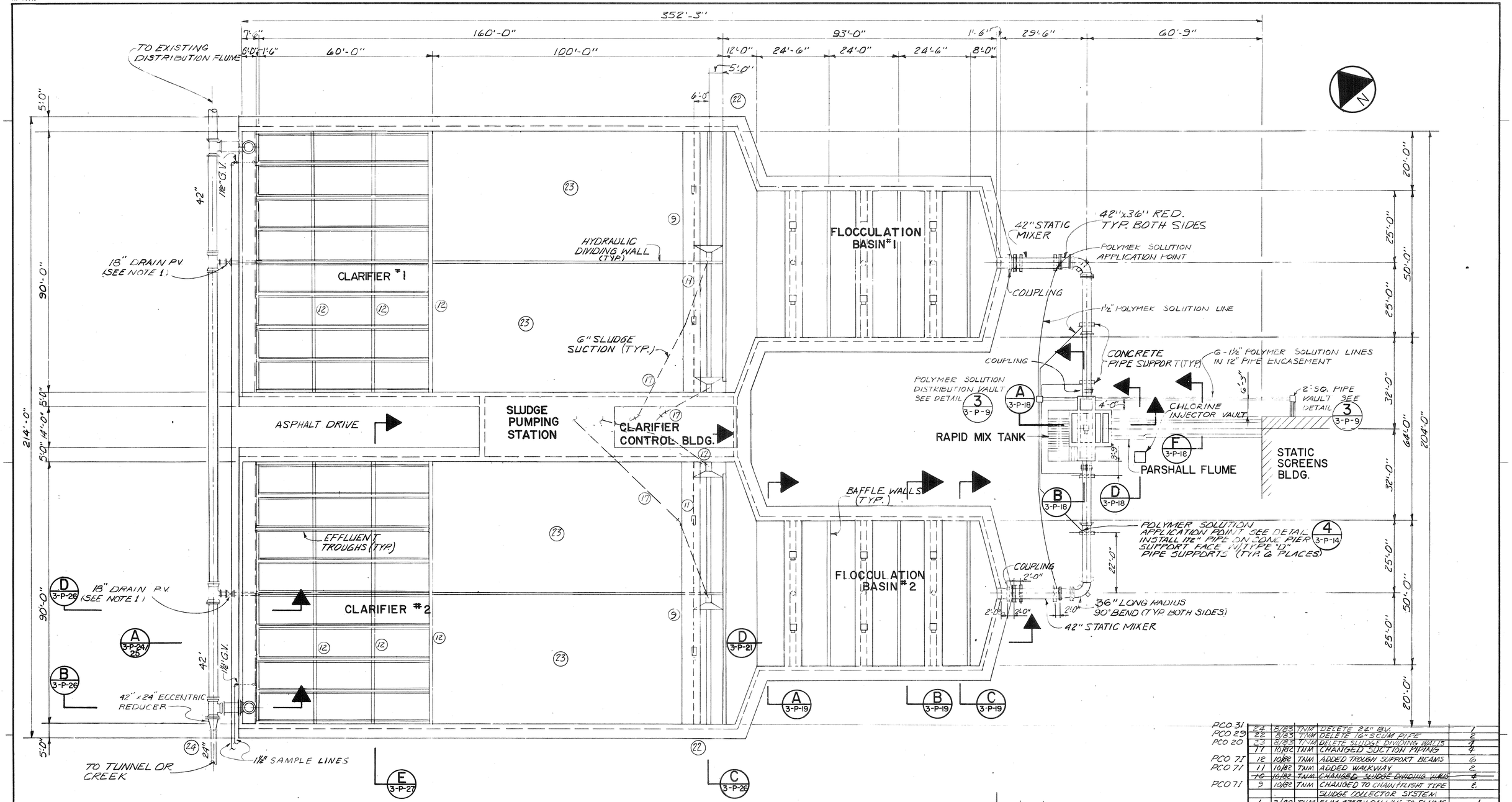
APPROVED

DRAWING NO. 3-P-16

SHEET NUMBER 49 OF 192

POLYTRACE 033

AF 14446



NOTE: 1. ELECTRICALLY OPERATED P.V. WITH EXTENDED ACTUATOR MOUNTING.
2. ELECTRICALLY OPERATED B.V. WITH EXTENDED ACTUATOR MOUNTING.

CLARIFIERS, FLOCCULATION BASINS & RAPID MIX TANK PLAN

SCALE: 1/16" = 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
25		TJB	AS BUILT	
PCO 31	24	8/83	TNM	DELETE 24" B.V.	1
PCO 29	23	8/83	TNM	DELETE 10"-SCUM PIPE	2
PCO 20	22	8/83	TNM	DELETE SLUDGE DIVIDING WALLS	4
	11	10/82	TNM	CHANGED SUCTION PIPING	4
PCO 7I	12	10/82	TNM	ADDED TROUGH SUPPORT BEAMS	6
PCO 7I	11	10/82	TNM	ADDED WALKWAY	2
	~~10~~	~~10/82~~	~~TNM~~	~~CHANGED SLUDGE DIVIDING WALLS~~	~~4~~
PCO 7I	9	10/82	TNM	CHANGED TO CHAIN FLIGHT TYPE	8
				SLUDGE COLLECTOR SYSTEM	
	1	3/82	TNM	ELIM. 42" B.V. ON LINE TO FLUME	1

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIERS, FLOCCULATION BASINS & RAPID MIX TANK PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

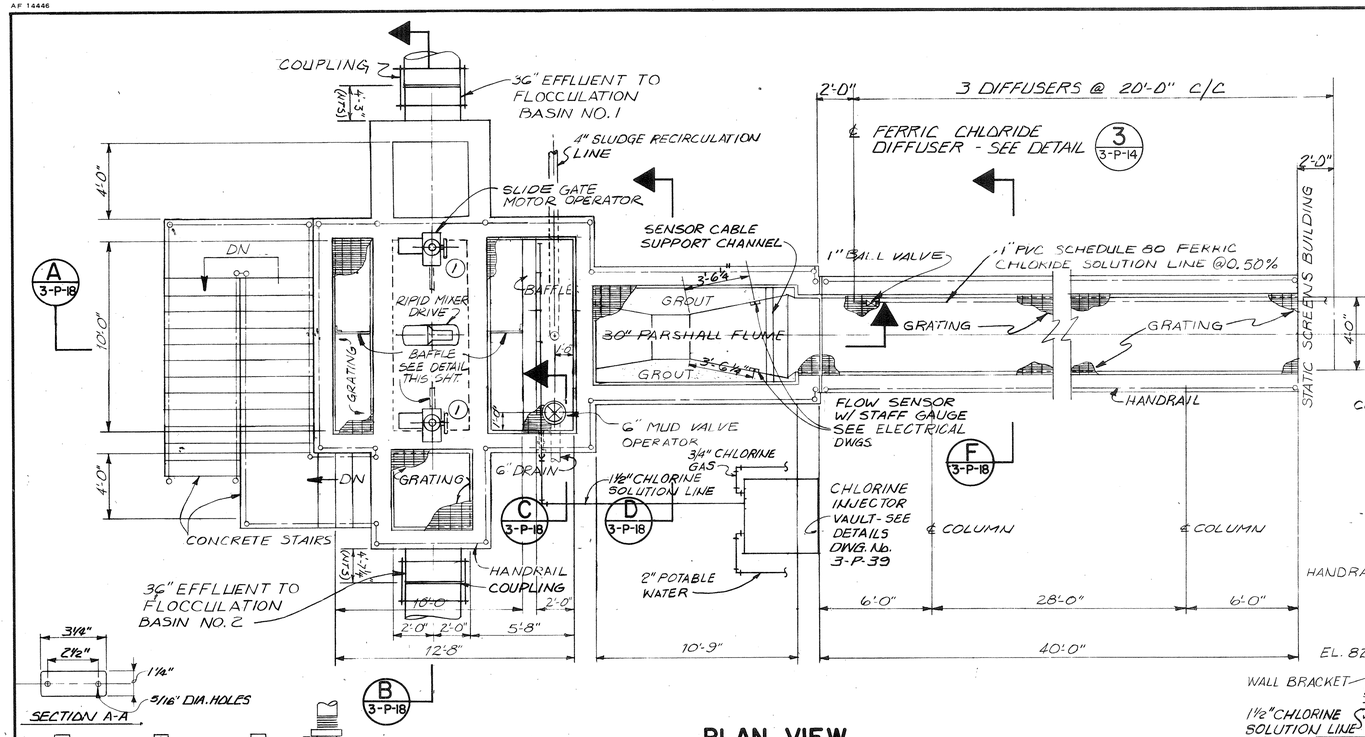
THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

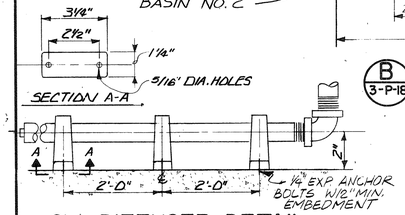
DSGN		APPROVED	APPROVED
DRWN			SHEET NUMBER 50 OF 132
CHKD		SCALE AS SHOWN DATE FEB. 1981	DRAWING NO. 3-P-17

POLYTRACE 033

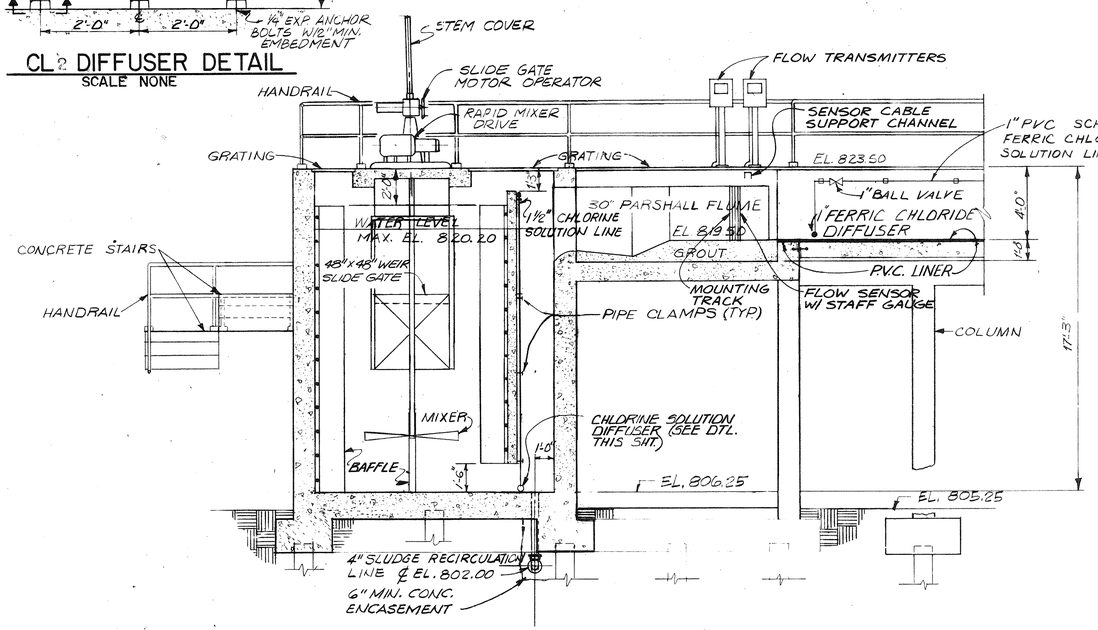
A-F 14446



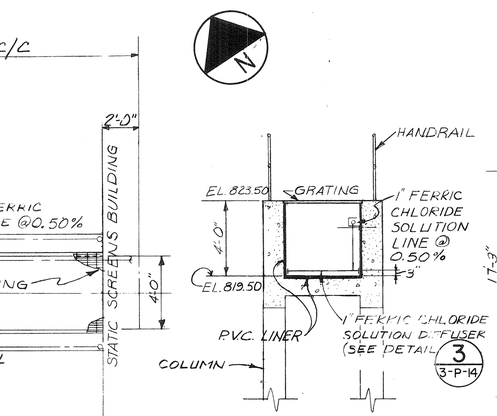
PLAN VIEW
SCALE: 1/4" = 1'-0"



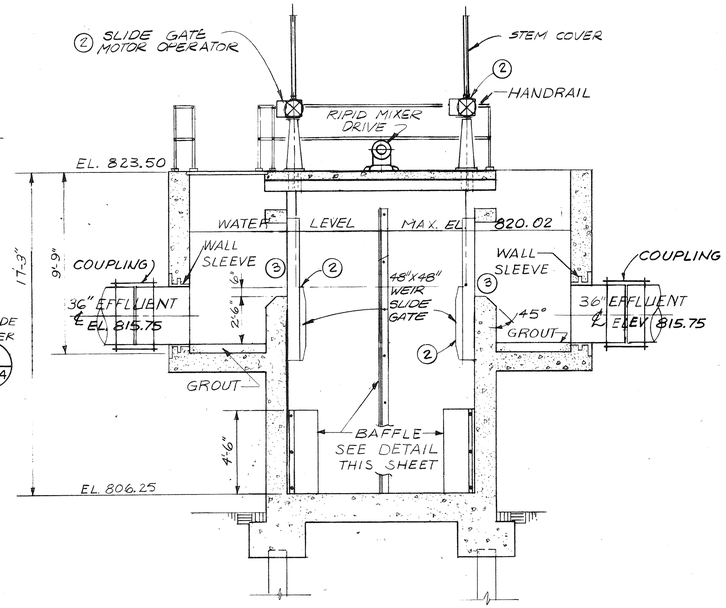
CL² DIFFUSER DETAIL
SCALE NONE



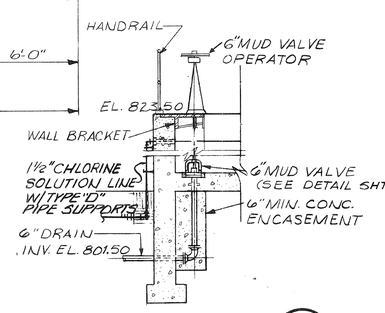
SECTION A
SCALE: 1/4" = 1'-0" — A 3-P-18



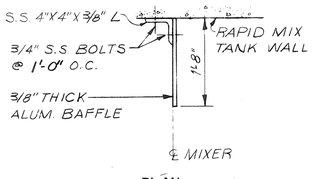
SECTION F
SCALE: 1/4" = 1'-0" — F 3-P-18



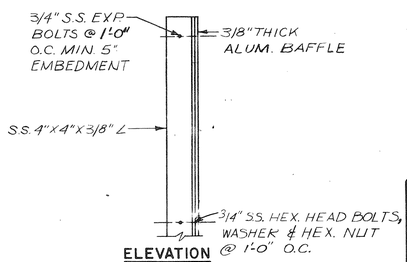
SECTION B
SCALE: 1/4" = 1'-0" — B 3-P-18



SECTION C
SCALE: 1/4" = 1'-0" — C 3-P-18

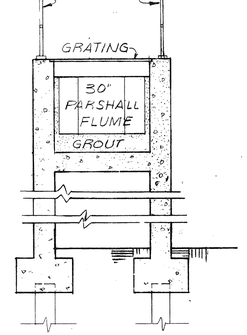


PLAN



ELEVATION

BAFFLE DETAIL
SCALE: 1½" = 1'-0"



SECTION D
SCALE: 1/4" = 1'-0" — D 3-P-18

NO.	DATE	BY	DESCRIPTION	PLACES
4		T&B	AS BUILT	
3	11/82	TPH	DELETE WALL THIMBLE	2
2	11/82	TPH	CHANGE SLIDE GATES & OPERATORS	2
1	3/82	HGE	ADDED MOTOR OPERATORS	2

REVISIONS

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

RAPID MIX TANK PLAN & SECTIONS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN | APPROVED
DRWN |
CHKD | SCALE AS SHOWN | DATE FEB. '82

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

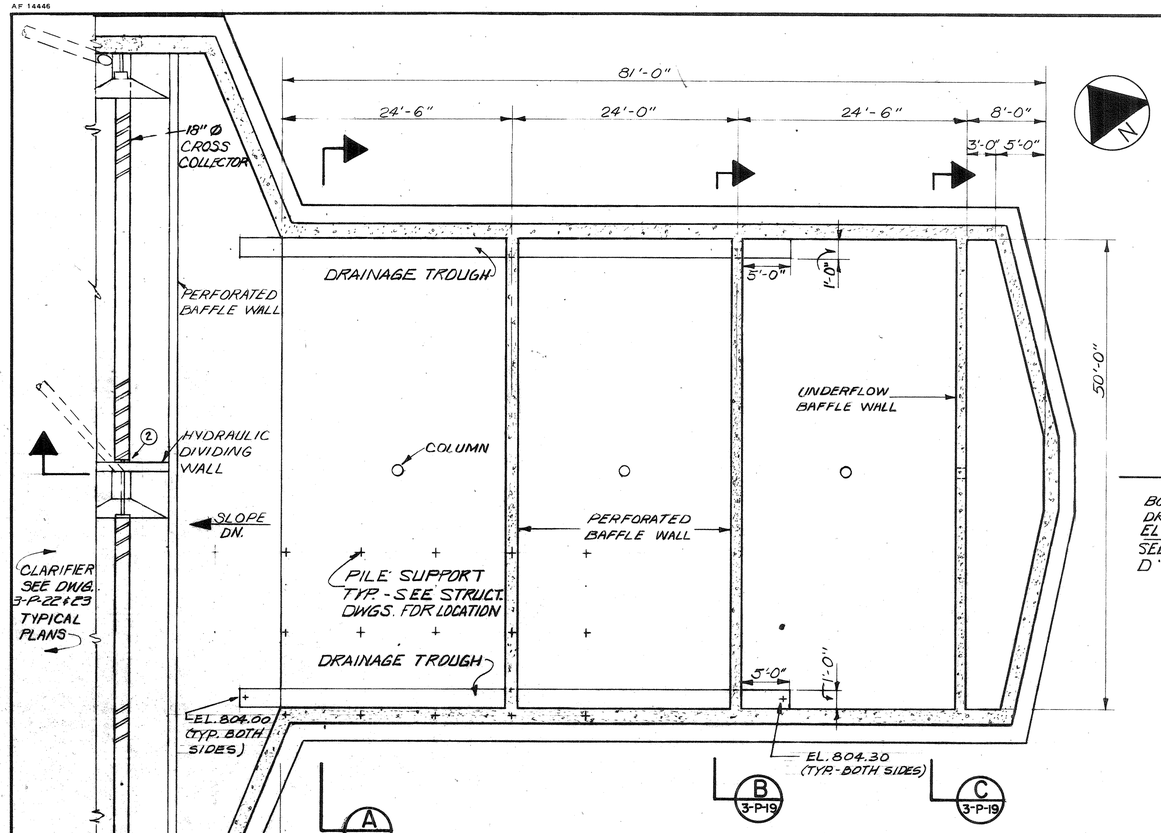
APPROVED

DRAWING NO. 3-P-18

SHEET NUMBER 51 OF 192

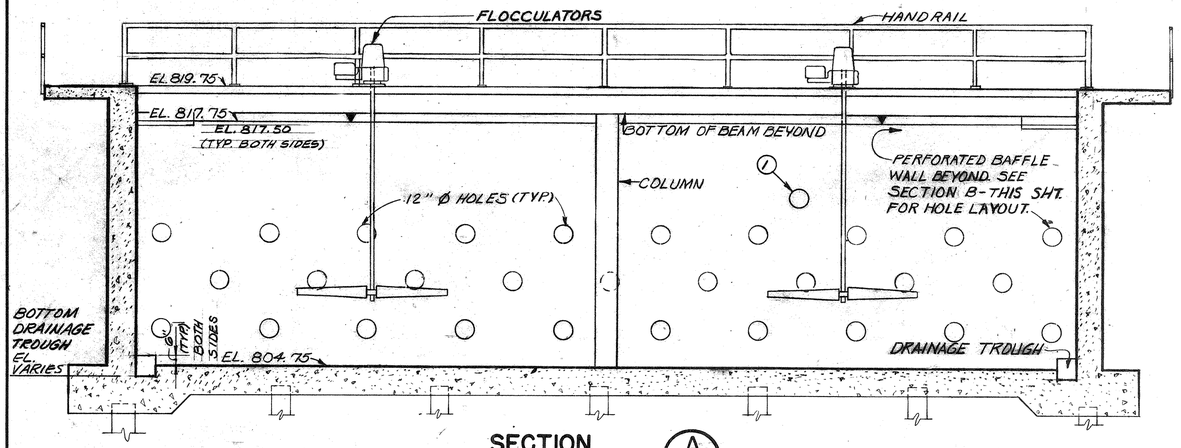
POLYTRACE 033

AF 14446



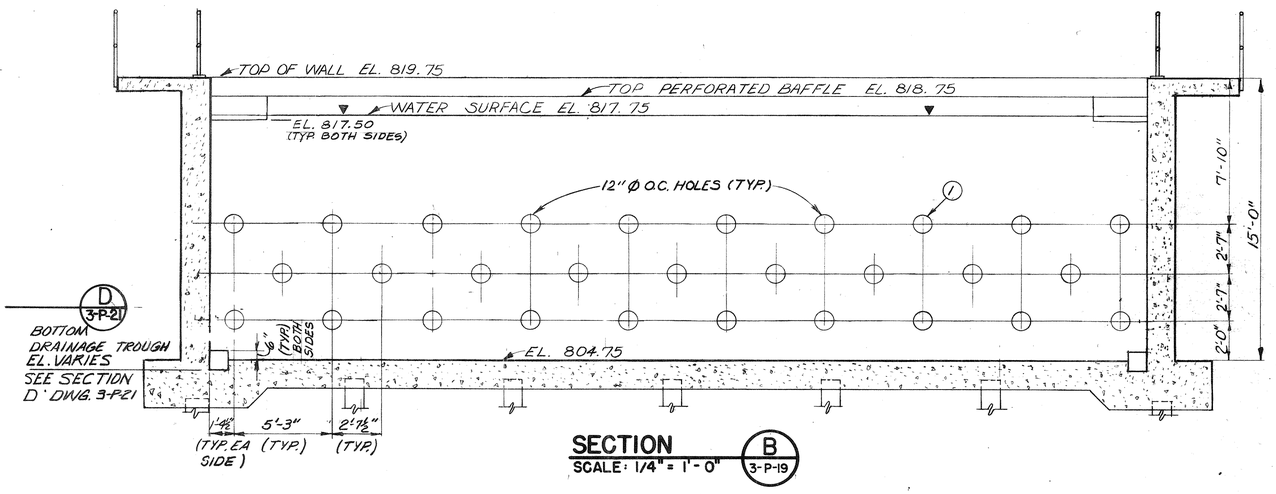
TYPICAL FLOCCULATION BASIN BOTTOM PLAN

SCALE: 1/8" = 1'-0"



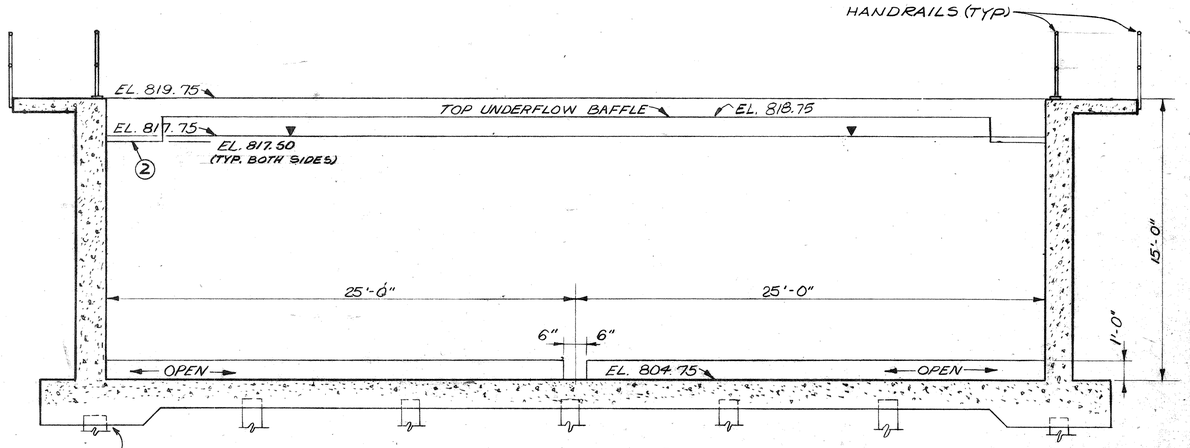
SECTION A

SCALE: 1/4" = 1'-0" — A 3-P-19



SECTION B

SCALE: 1/4" = 1'-0" — B 3-P-19



SECTION C

SCALE: 1/4" = 1'-0" — C 3-P-19

NO.	DATE	BY	DESCRIPTION	PLACES
		TEB	AS BUILT	
2	3/82	TNM	ADDED SLOTS IN BAFFLE WALLS	8
1	3/82	TNM	CHANGED HOLES IN BAFFLE WALL	2

REVISIONS

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

FLOCCULATION BASIN TYPICAL BOTTOM PLAN & SECTIONS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB. 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

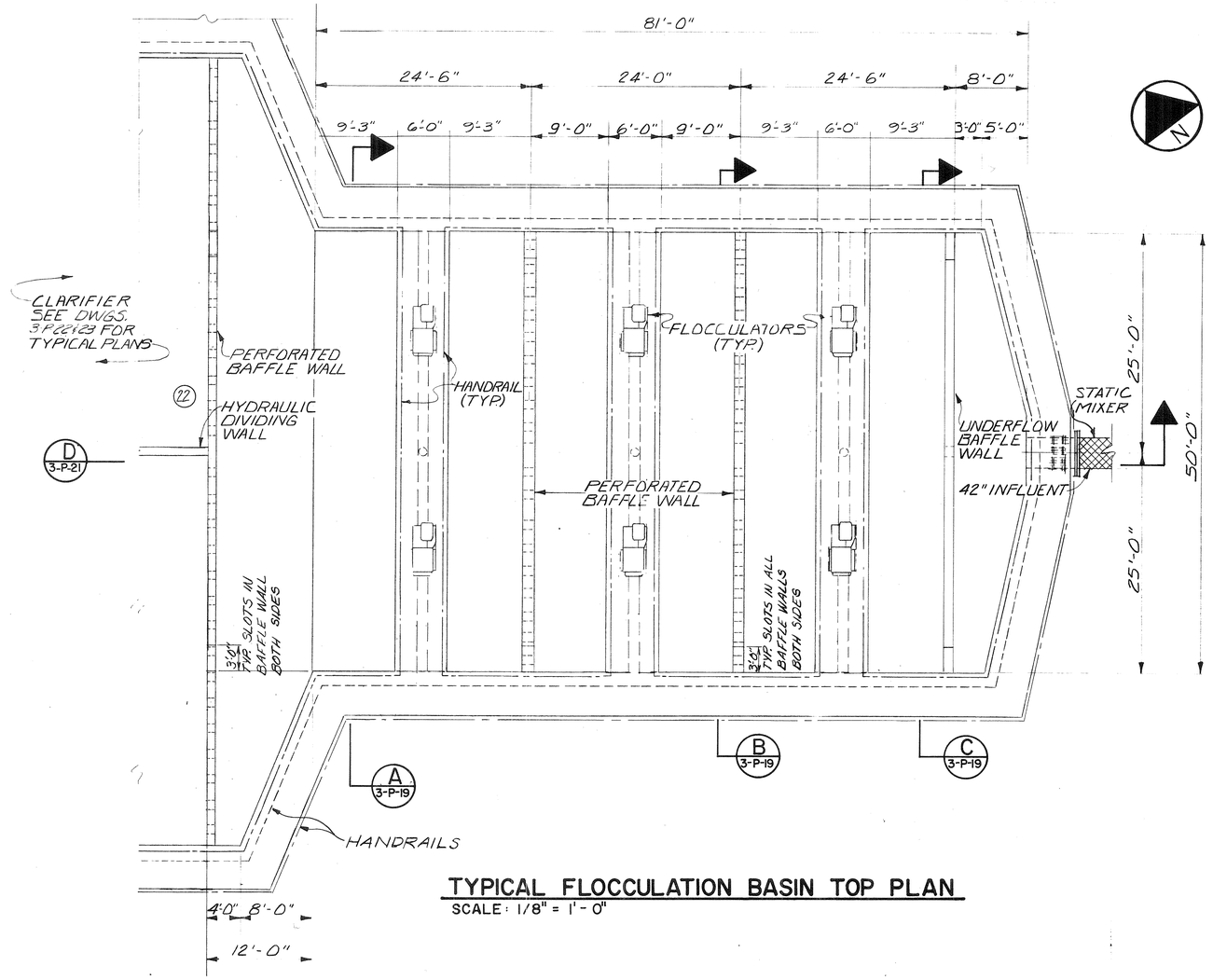
APPROVED

SHEET NUMBER 52 OF 192

DRAWING NO. 3 - P - 19

POLYTRACE 033

A.F. 14446



TYPICAL FLOCCULATION BASIN TOP PLAN

SCALE: 1/8" = 1'-0"

PCO 29

NO.	DATE	BY	DESCRIPTION	PLACES
23		FEB	AS BUILT	
22	8/83	TNM	DELETE 16" SCUM PIPE	1

REVISIONS

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

FLOCCULATION BASIN TYPICAL TOP PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN | APPROVED
DRWN |
CHKD | SCALE AS SHOWN DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

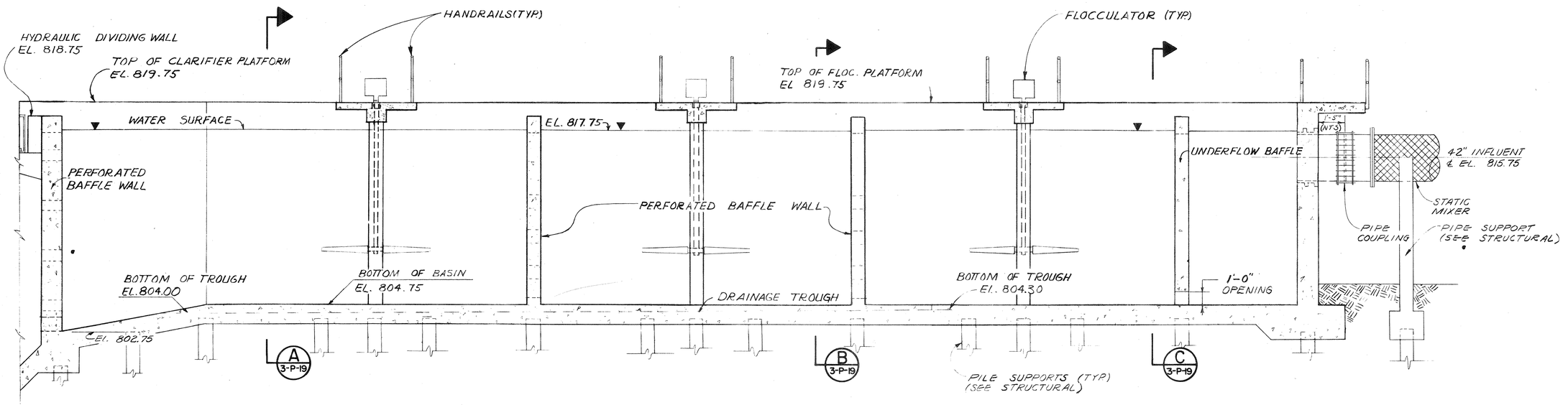
APPROVED

SHEET NUMBER 53 OF 192

DRAWING NO. 3-P-20

POLYTRACE 033

AF 14446



SECTION D
SCALE: 1/4"=1'-0" (3-P-21)

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

FLOCCULATION BASIN SECTION

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB. 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

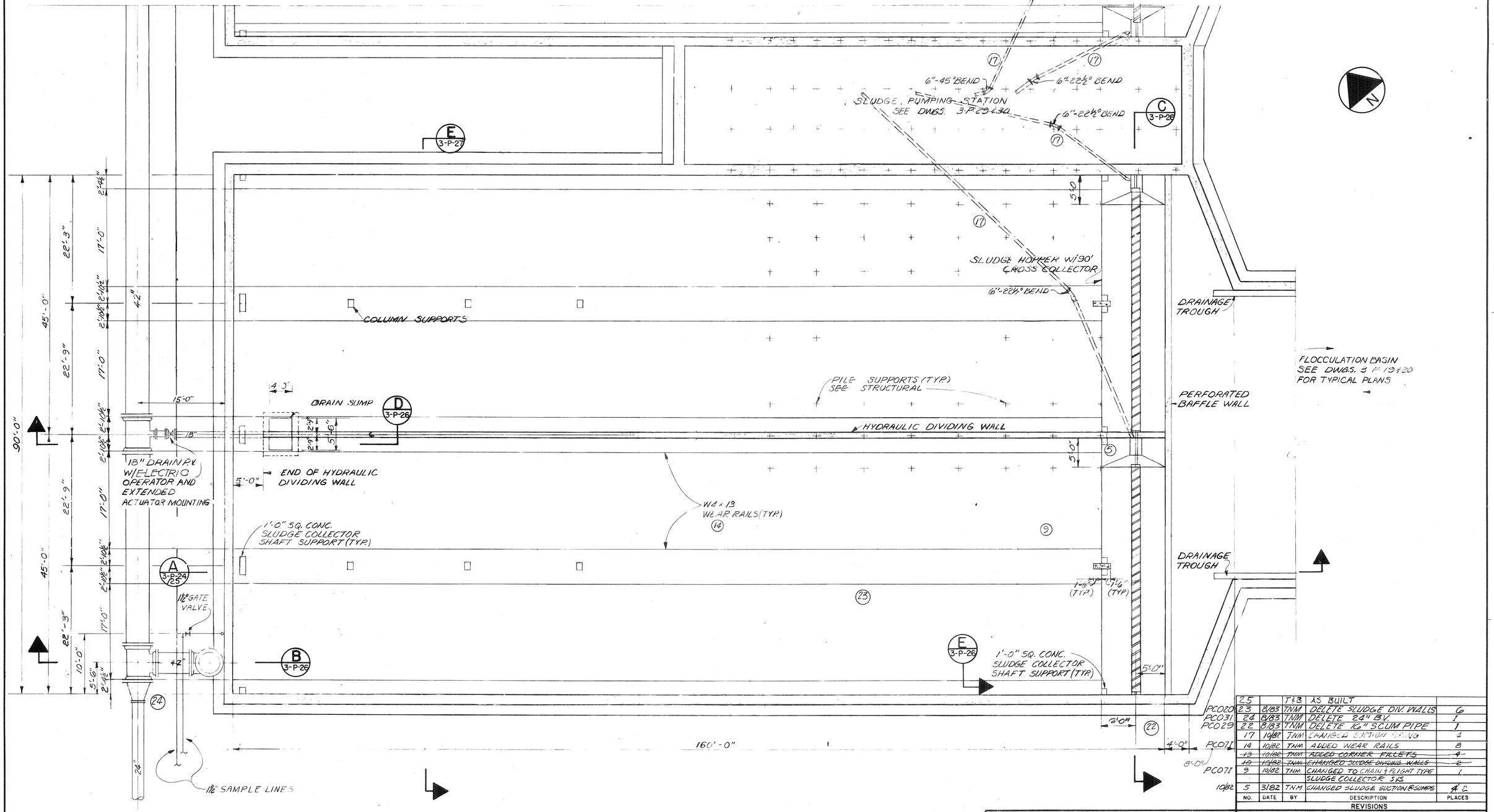
APPROVED

DRAWING NO. 3 - P - 21

SHEET NUMBER 54 OF 192

IF POLYTRACE 033

AF 14446



CLARIFIER TYPICAL BOTTOM PLAN

SCALE: 1/8" = 1'-0"

NOTE:
ALL PIPE UNDER CLARIFIERS & PUMP STATION TO BE ENCASED W/ 6" MIN. CONC. ENCASEMENT TO BOTTOM OF SLAB.

NO.	DATE	BY	DESCRIPTION	PLACES
		T&B	AS BUILT	
25			DELETE SLUDGE DIV. WALLS	6
24	8/83	TNM	DELETE 24" B.V.	1
22	8/83	TNM	DELETE 16" SCUM PIPE	1
17	10/82	TNM	CHANGED SUCTION PIPING	1
14	10/82	TNM	ADDED WEAR RAILS	8
~~13~~	~~10/82~~	~~TNM~~	~~ADDED CORNER FILLETS~~	~~4~~
~~10~~	~~10/82~~	~~TNM~~	~~CHANGED SLUDGE DIVIDING WALLS~~	~~6~~
9	10/82	TNM	CHANGED TO CHAIN & FLIGHT TYPE SLUDGE COLLECTOR S/S	1
5	3/82	TNM	CHANGED SLUDGE SUCTION @ SUMPS	# 2

REVISIONS

PCO20 PCO31 PCO29 PCO71 10/82

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIER TYPICAL BOTTOM PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN | DRWN | CHKD | APPROVED | SCALE 1/8"=1'-0" | DATE FEB. 1981

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

DRAWING NO. 3-P-22

SHEET NUMBER 55 OF 192

POLYTRACE 033

AF 14446

HANDRAIL

CLARIFIER CONTROL BLDG.
C 3-P-26

N

E 3-P-27

I 3-P-24

5'-0"

3 3-P-24

21'-9"

18"

3'-0"

HANDRAIL

PERFORATED BAFFLE WALL

FLOCCULATION BASIN SEE DWGS. 3-P-19 & 20 FOR TYPICAL PLANS

H 3-P-24

HYDRAULIC DIVIDING WALL

D 3-P-26

TYP

I 3-P-24

EFFLUENT CHANNEL

90'-0"

22

11

F 3-P-28

SLUDGE COLLECTOR DRIVE (TYP.)

9

2 3-P-24

12 12 12

A 3-P-24 25

EFFLUENT TROUGHS

1" SAMPLE LINE

B 3-P-28

10'-0"

5'-6"

QH

42" FLARE

15

I 3-P-24

5'-0"

HANDRAIL

6'-0"

14'-0"

4'-0"

8'-0"

3'-0" 3'-0" 19'-0" 1'-0" 19'-0" 1'-0" 19'-0" 1'-0"

60'-0"

100'-0"

160'-0"

11'-0"

21'-9"

G 3-P-28

2'-1" x 0'-5" SLOTS (TYP.)

6

TYP BOTH SIDES

PCO 29
PCO 71
PCO 71
PCO 71
PCO 71

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
23		T&B	AS BUILT	
22	8/83	TNM	DELETE 16" SCUM PIPE	1
~~17~~	~~10/82~~	~~TNM~~	~~REVISED SCUM PIPE OPER.~~	~~2~~
~~18~~	~~10/82~~	~~TNM~~	~~ADDED CHAIN @ OPERATORS~~	~~2~~
15	10/82	TNM	REM. SCUM BAFFLE	16
~~16~~	~~10/82~~	~~TNM~~	~~REM. OPERATOR PLATFORM~~	~~1~~
12	10/82	TNM	ADDED TROUGH SUPPORT BEAMS	3
11	10/82	TNM	ADDED WALKWAY	1
9	10/82	TNM	CHANGED TO CHAIN FLIGHT TYPE SLUDGE COLLECTOR SYSTEM	1
~~4~~	~~3/82~~	~~TNM~~	~~REVISED SCUM PIPE SUPPORTS~~	~~4~~
6	3/82	TNM	ADDED SLOTS IN BAFFLE WALL	1

CLARIFIER TYPICAL TOP PLAN

SCALE : 1/8"=1'-0"

GEORGIA REGISTERED No. 13016 PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIER TYPICAL TOP PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN		APPROVED	
DRWN			
CHKD		SCALE 1/8"= 1'-0"	DATE FEB. 1981

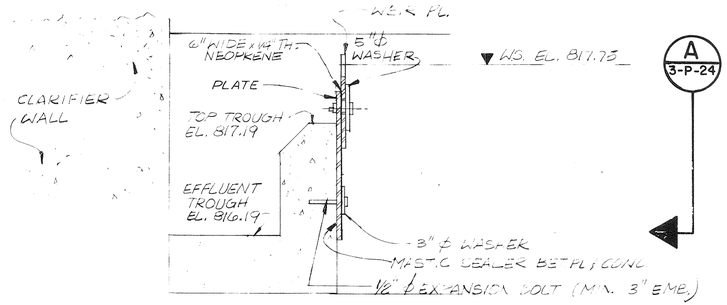
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

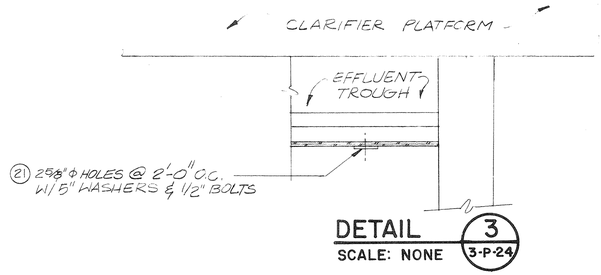
LAND LOT 111	DISTRICT 15	DEKALB COUNTY
APPROVED		SHEET NUMBER 56 OF 192
DRAWING NO. 3-P-23		

POLYTRACE 033

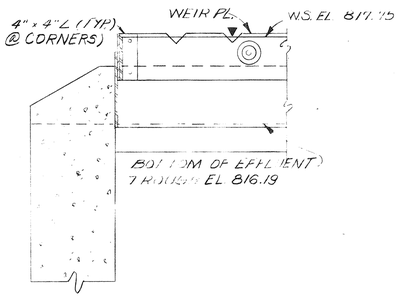
AF 14446



SECTION I
SCALE: NONE
3-P-24



DETAIL 3
SCALE: NONE
3-P-24



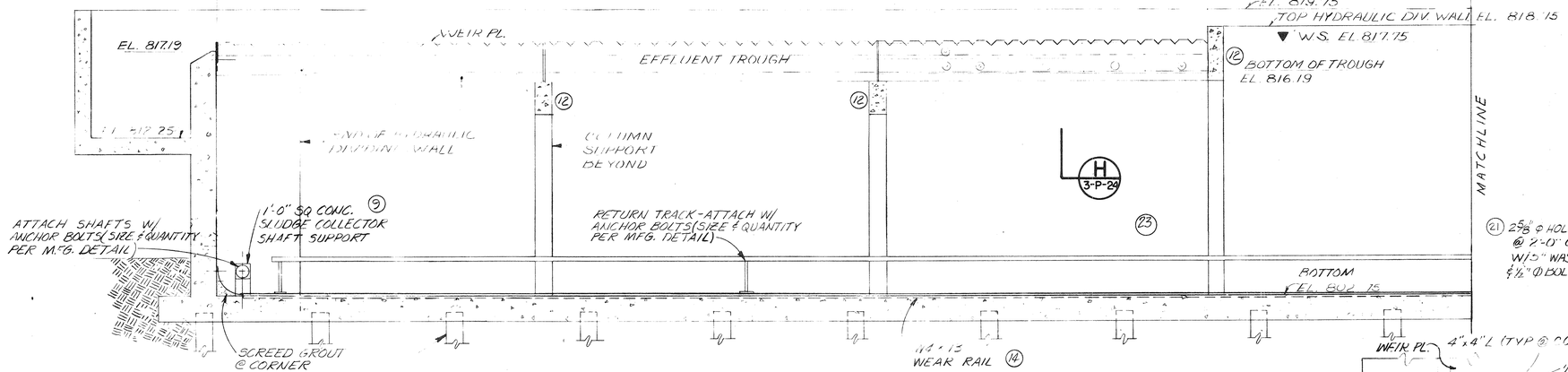
SECTION B
SCALE: NONE
3-P-24

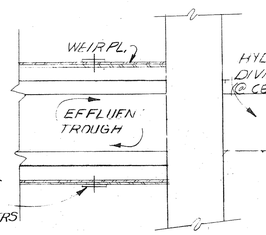
75'-0"
TOTAL LENGTH = 160'-0"

TYP.

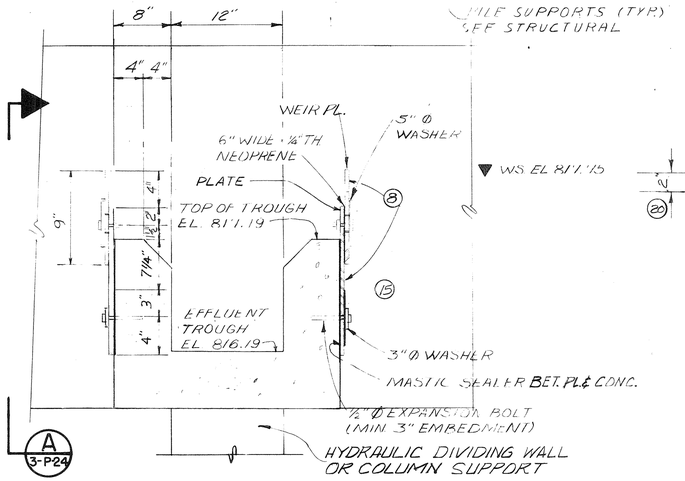
SEE DWG 3-P-25

MATCHLINE

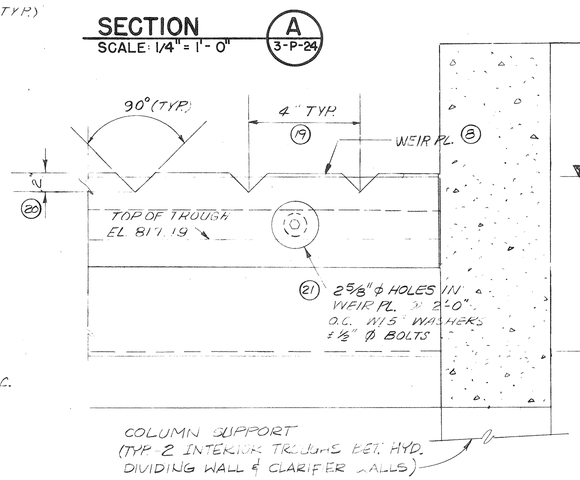




DETAIL 1
SCALE: NONE
3-P-24

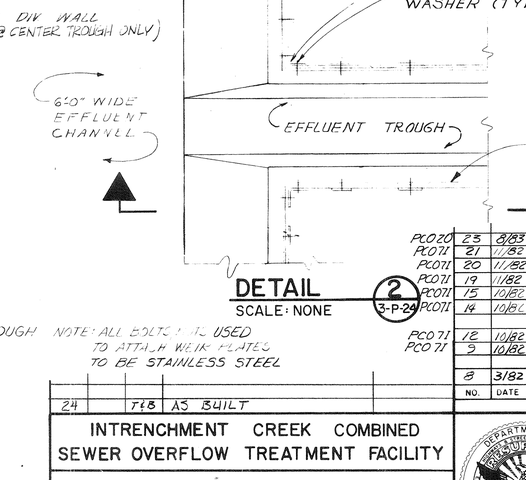


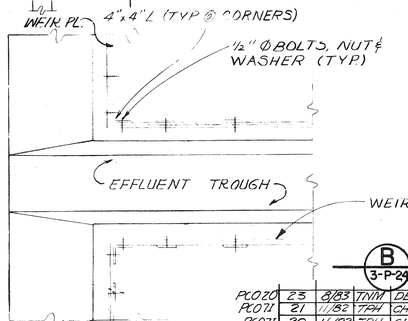
SECTION H
SCALE: NONE
3-P-24



SECTION A
SCALE: 1/4" = 1'-0"
3-P-24

ELEVATION A
SCALE: NONE
3-P-24





DETAIL 2
SCALE: NONE
3-P-24

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
PCO 20	23	8/83	TNM	DELETE SLUDGE DIVIDING WALLS	1
PCO 71	21	11/82	TPH	CHANGE 2" BOLTS TO 2⅝ ϕ HL	TYP.
PCO 71	20	11/82	TPH	CHANGE TO 2" VEE NOTCH DEPTH	TYP.
PCO 71	19	11/82	TPH	CHANGE TO 4" VEE NOTCH SPACING	TYP.
PCO 71	15	10/82	TNM	REMOVED SCUM BAFFLE	1
PCO 71	14	10/82	TNM	ADDED WEAR RAILS	1
PCO 71	12	10/82	TNM	ADDED TROUGH SUPPORT BEAM	3
PCO 71	5	10/82	TNM	CHANGED TO CHAIN & FLIGHT TYPE SLUDGE COLLECTOR SYSTEM	1
	8	3/82	TNM	REMOVED THICKNESS OF PLATES	TYP
	24		TEB	AS BUILT	

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIER SECTIONS & DETAILS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 DISTRICT 15 DEKALB COUNTY

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB. 1981

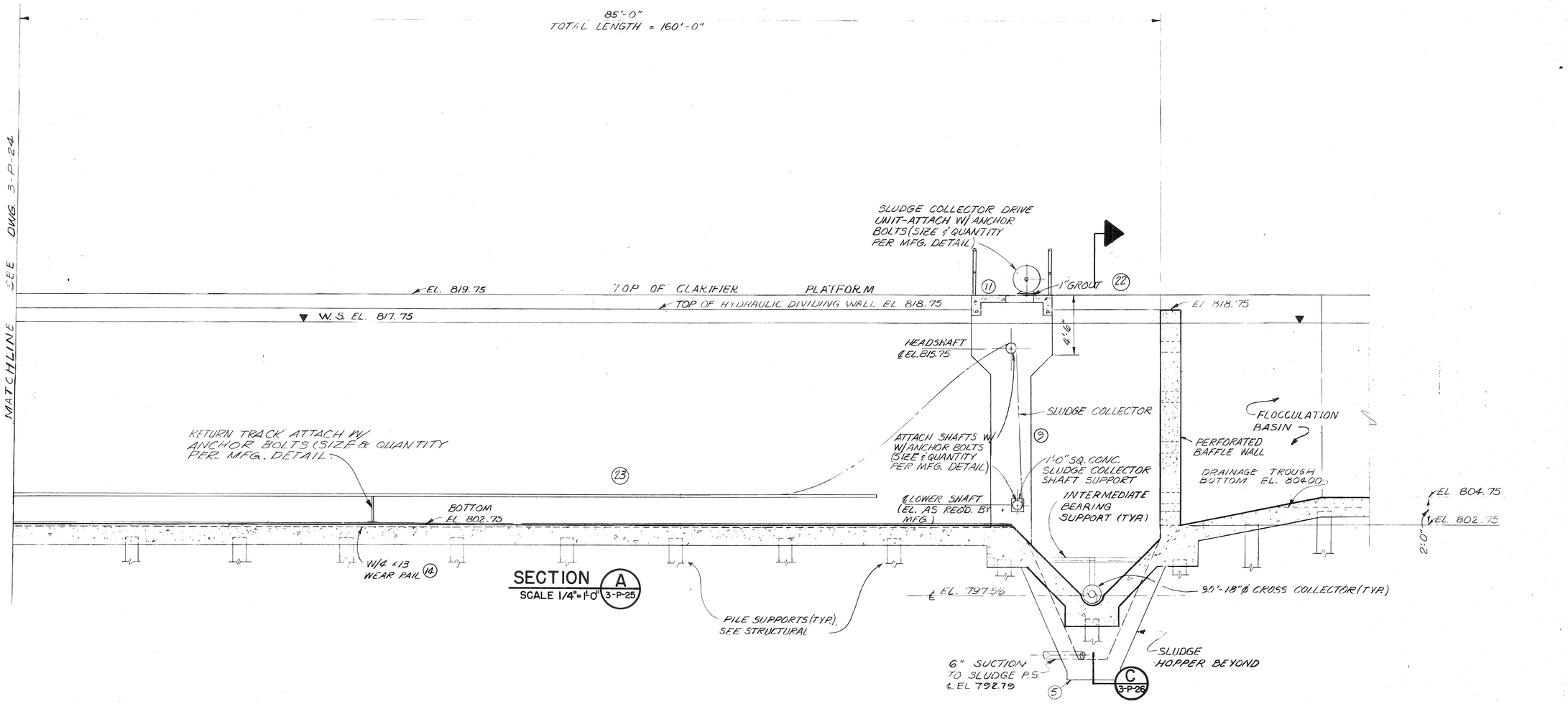
APPROVED

SHEET NUMBER 57 OF 192

DRAWING NO. 3-P-24

POLYTRACE 033

AF 14446



NO.	DATE	BY	DESCRIPTION	PLACES
	24		T&B	AS BUILT	
PC000	23	8/83	TNM	DELETE SLDG. DIV. WALL.	1
PC029	22	8/83	TNM	DELETE 16" SCUM PIPE	
PC071	19	10/82	TNM	ADDED WEAR RAILS	1-THIS SHT
PC071	11	10/82	TNM	ADDED WALKWAY	1
	9	10/82	TNM	CHANGED TO CHAIN FLIGHT TYPE SLUDGE COLLECTOR SYSTEM	1
	~~4~~	3/82	~~TNM~~	~~REVISED SCUM PIPE SUPPORT~~	~~1 THIS SHT~~
	5		TNM	CHANGED SLUDGE SUCT & SUMPS	2-THIS SHT.
	~~7~~	3/83	~~TNM~~	~~REV. SCUM PIPE DETAILS~~	~~1~~

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIER SECTION

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES No. 6008

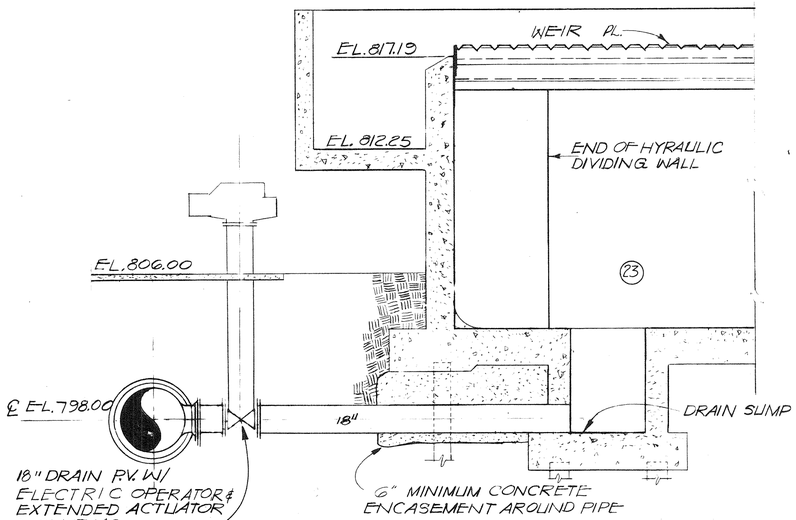
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

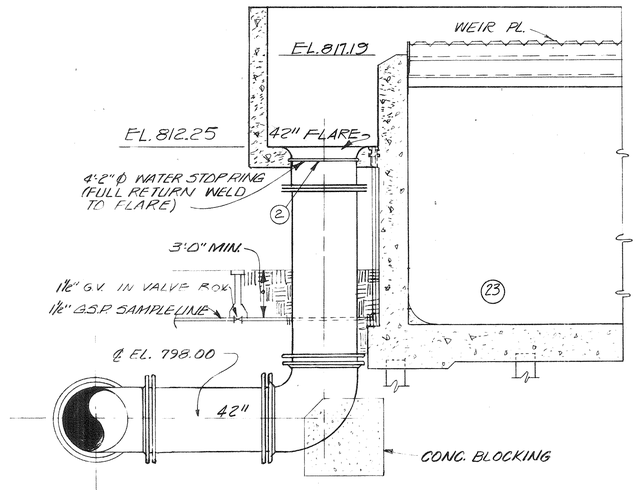
DSGN	APPROVED	LAND LOT 111	DISTRICT 15 DEKALB COUNTY
DRWN		APPROVED	SHEET NUMBER 58 OF 192
CHKD	SCALE AS SHOWN DATE FEB. 1981	DRAWING NO. 3-P-25	

POLYTRACE 033

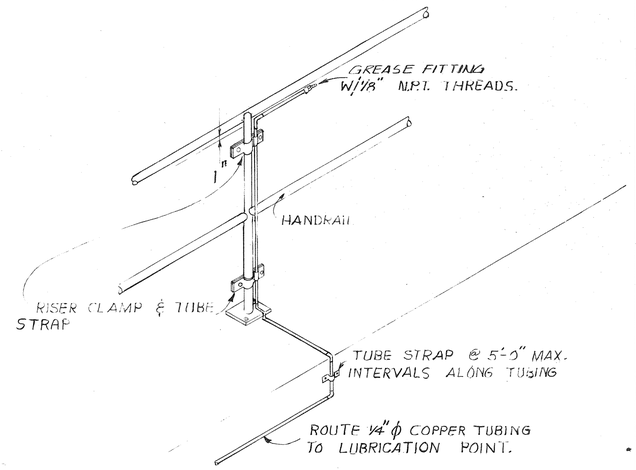
AF 14446



SECTION D
SCALE: 1/4" = 1'-0" 3-P-26

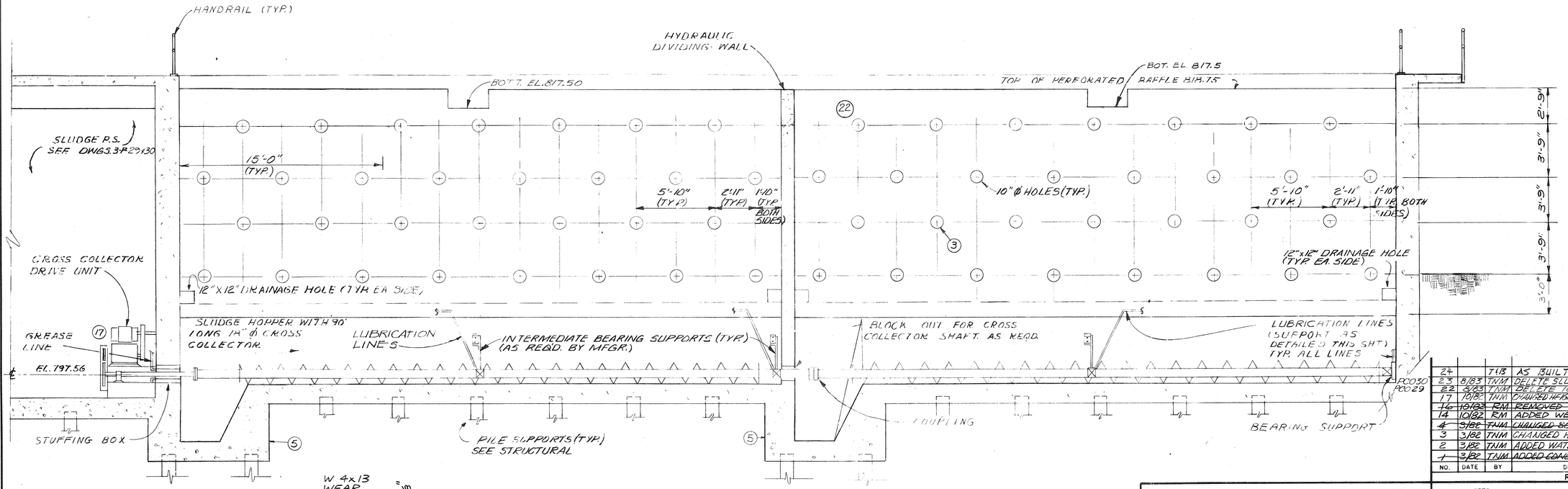


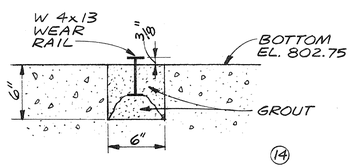
SECTION B
SCALE: 1/4 " = 1'-0" 3-P-26



GREASE POINT & LUBRICATION LINE SUPPORT DETAIL

N.T.S.





SECTION E
SCALE: NONE 3-P-26

SECTION C
SCALE: 1/4"=1'-0" 3-P-26

NO.	DATE	BY	DESCRIPTION	PLACES
24		TAB	AS BUILT	
23	8/83	TNM	DELETE SLUDGE DIVIDING WALL	2 THIS SHT.
22	5/83	TNM	DELETE 16" SCUM PIPE	1
17	10/82	TNM	CHANGED HEIGHT CROSS COLLECTOR	1
16	10/82	RM	REMOVED OPER. PLATFORM	1
14	10/82	RM	ADDED WEAR RAIL SECTION	1
4	5/82	TNM	CHANGED SCUM PIPE SUPPORTS	4
3	3/82	TNM	CHANGED HOLES IN BAFFLE WALL	1 TYP.
2	3/82	TNM	ADDED WATER STOP RING	1
1	3/82	TNM	ADDED CONC. PAD @ 16" PIPE OPER.	1

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIER SECTIONS & DETAILS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB. 1981

LAND LOT 111 DISTRICT 15 DEKALB COUNTY

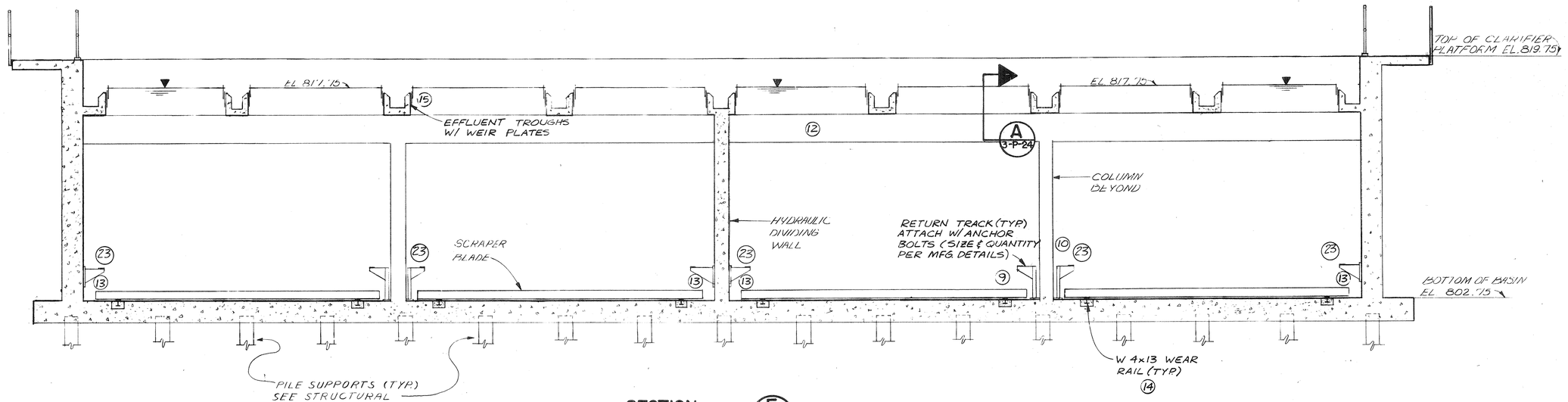
APPROVED

DRAWING NO. 3-P-26

SHEET NUMBER 59 OF 192

POLYTRACE 033

AF 14446



SECTION E
SCALE: 1/4" = 1'-0" 3-P-27

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
24		TJB	AS BUILT	
PCO 20 23	8/83	TNM	DELETE SLUDGE DIV. WALLS	5
PCO 71 15	10/82	TNM	REMOVED SCUM BAFFLES	16
PCO 71 14	10/82	TNM	ADDED WEAR RAILS	8
13	10/82	TNM	ADDED CORNER FILLETS	4
PCO 71 12	10/82	TNM	ADDED TROUGH SUPPORT BEAM	1
10	10/82	TNM	CHANGED SLUDGE DIV. WALLS	2
PCO 71 9	10/82	TNM	CHANGED TO CONVEYOR TYPE SLUDGE COLLECTOR SYSTEM	1

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIER SECTIONS & DETAILS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB, 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

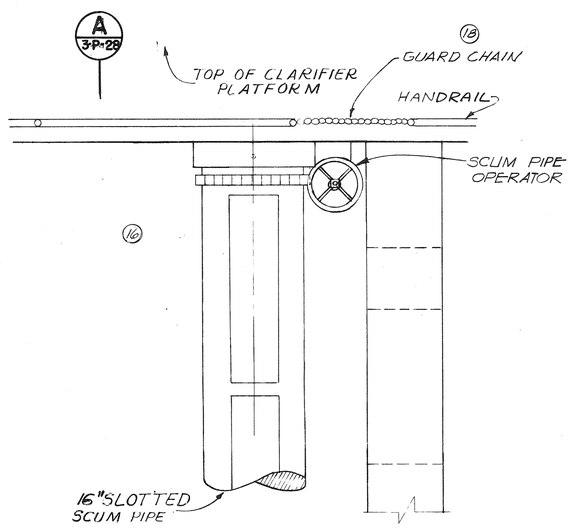
APPROVED

DRAWING NO. 3 - P - 27

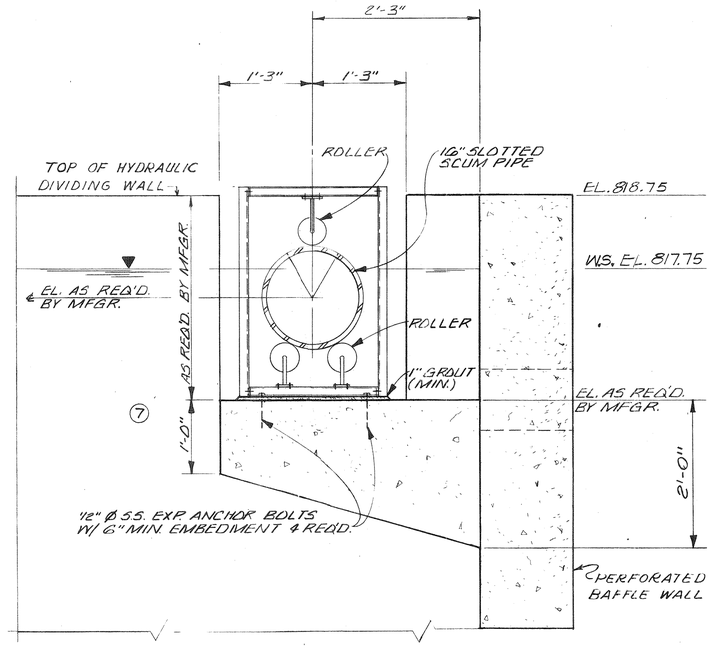
SHEET NUMBER 60 OF 192

POLYTRACE 033

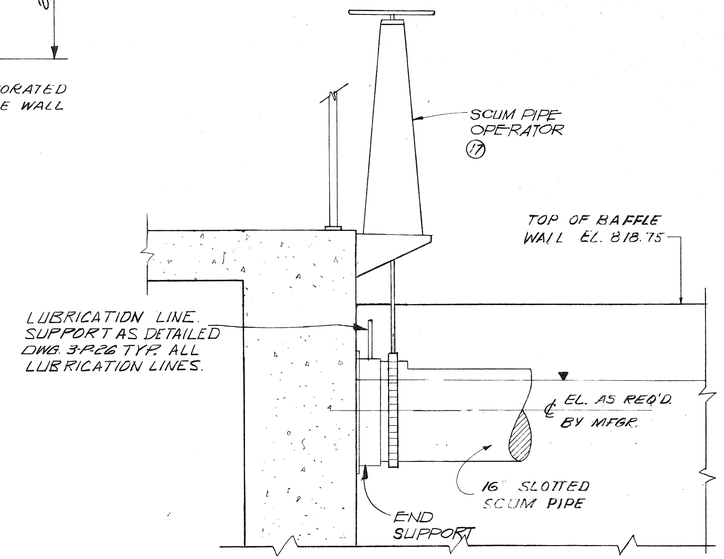
AF 14446



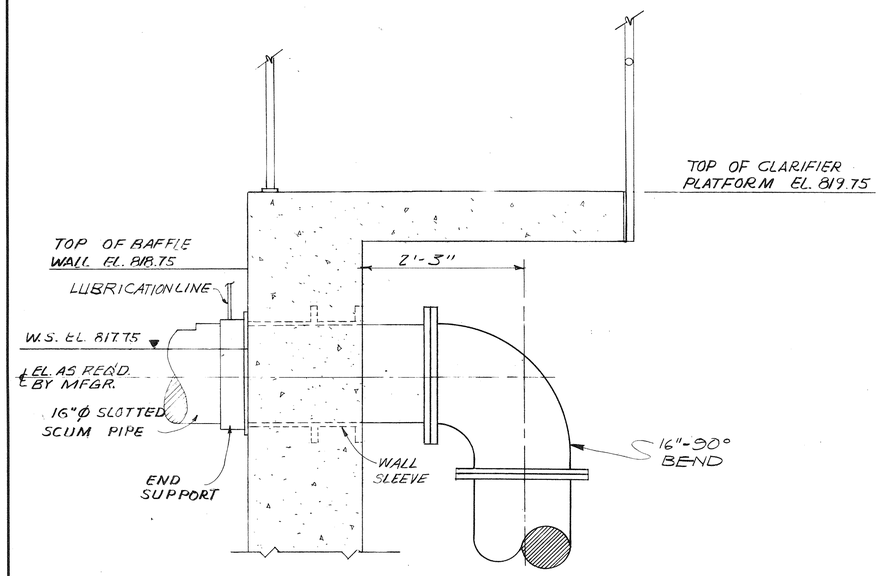
DETAIL 1 (3-P-28)
SCALE: 1"=1'-0"



SECTION F (3-P-28)
SCALE 1"=1'-0"



SECTION A (3-P-28)
SCALE: 1"=1'-0"



SECTION G (3-P-28)
SCALE 1"=1'-0"

VOID 22

NO.	DATE	BY	DESCRIPTION	PLACES
PC029 23		T&B	AS BUILT	
22	8/83	TNM	DELETE 16" SCUM PIPE	1
~~18~~	~~10/82~~	TNM	ADDED GUARD CHAIN	1
17	10/82	TNM	REVISED SCUM PIPE OPER	1
~~16~~	~~10/82~~	TNM	REM. OPERATOR PLATFORM	1
~~7~~	~~3/82~~	TNM	REV SCUM PIPE DETAILS	1

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIER SCUM PIPE SECTIONS & DETAILS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

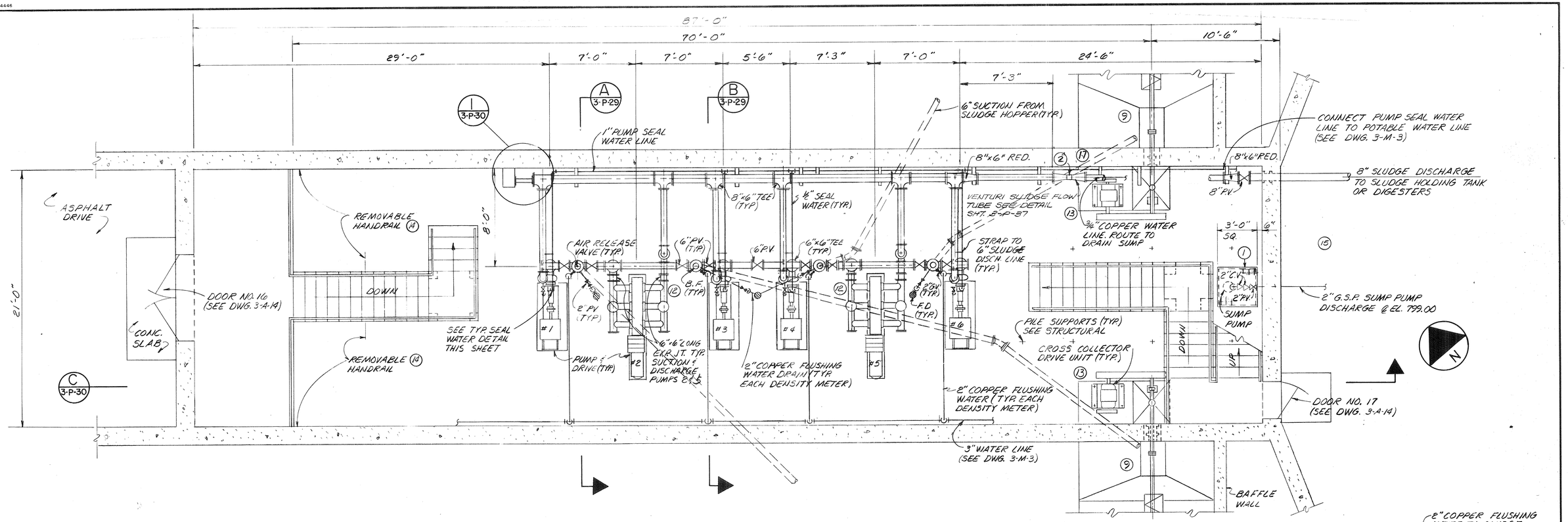
THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

DSGN	APPROVED	APPROVED
DRWN		SHEET NUMBER 61 OF 192
CHKD	SCALE AS SHOWN DATE FEB 1981	DRAWING NO. 3-P-28

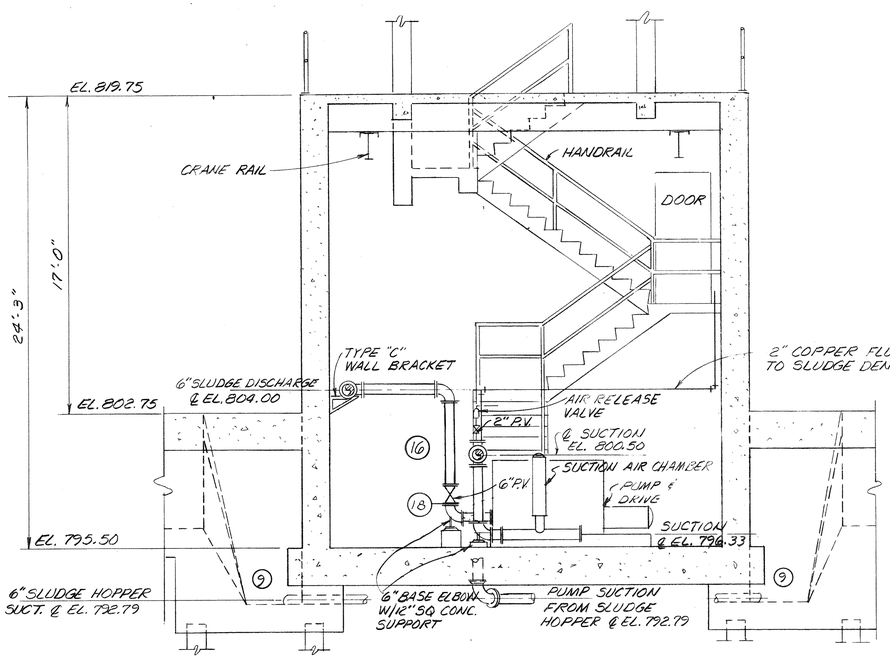
POLYTRACE 033

AF 14446



SLUDGE PUMPING STATION PLAN

SCALE: 1/4"=1'-0"



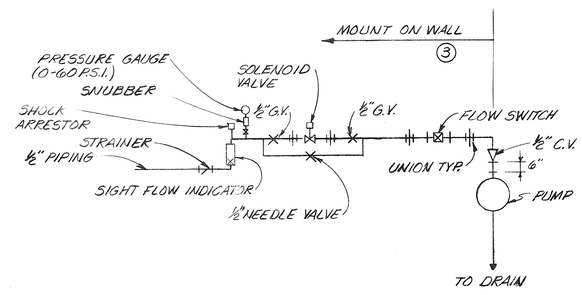
SECTION A

SCALE: 1/4"=1'-0" (3-P-29)

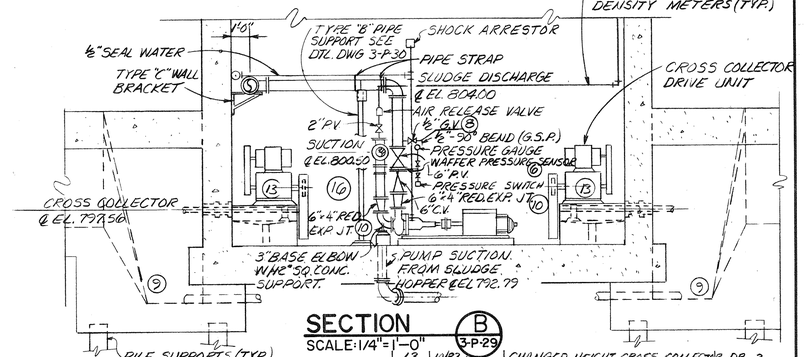
NOTE: SECTION "A" APPLICABLE TO PUMPS 2 & 5

TYPICAL SEAL WATER PIPING DETAIL

N.T.S.



NOTE:
1. ALL PIPE UNDER CLARIFIERS & PUMP STATION TO BE ENCASED W/ 6" MIN. CONC. ENCASEMENT TO BOTTOM OF SLAB.
2. ALL SLUDGE LINES TO BE DUCTILE IRON UNLESS NOTED OTHERWISE.



SECTION B

SCALE: 1/4"=1'-0" (3-P-29)

NOTE: SECTION "B" APPLICABLE TO PUMPS 1, 3, 4, & 6

	NO.	DATE	BY	DESCRIPTION	PLACES
	13	10/82		CHANGED HEIGHT-CROSS COLLECTOR DR. 2.	
PCO 7X	12	10/82	TNM	CHANGED PIPING & PUMPS NOS 1 & 5	2
	10	3/82	TNM	CHANGED TO 6"x3" RED.	8
10/82	9	3/82	TNM	REVISED SLUDGE HOPPER SUCT	2 & 4
10/82	8	3/82	TNM	ADDED SAMPLE TAPS	2 & 4
	~~7~~	~~3/82~~	~~TNM~~	~~ADDED SIGHT GLASS~~	~~6~~
	6	3/82	TNM	ADD WATER PRESS. SENSOR	6
	3	3/82	TNM	REVISED SEAL WATER PIPING DTL.	1
	2	3/82	TNM	CHANGED TO VENTURI FLOW TUBE	1
	1	3/82	TNM	ADDED SUMP & PUMP	1
PCO 78	19		T&B	AS BUILT	
PCO 35	18	2/84		DELETE WATER PRESS. SENSOR	2
PCO G5	17	8/83	TNM	CHANGE VENTURI FROM 8"TO6"	1
PCO 7XIV	16	8/83	TNM	DELETE SIGHT GLASSES	6
	15	11/82	TPH	DELETE CSO METER VAULT DRAIN	1
	14	10/82	TNM	ADDED REMOVABLE HAND.	2.

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE PUMP STATION PLAN & SECTIONS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

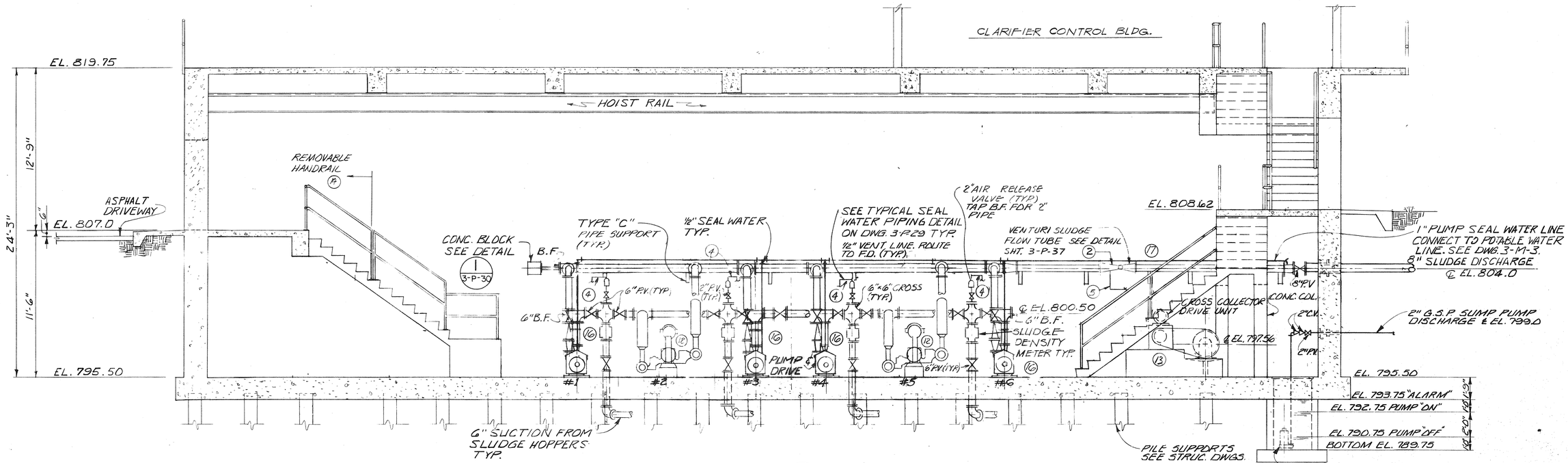
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

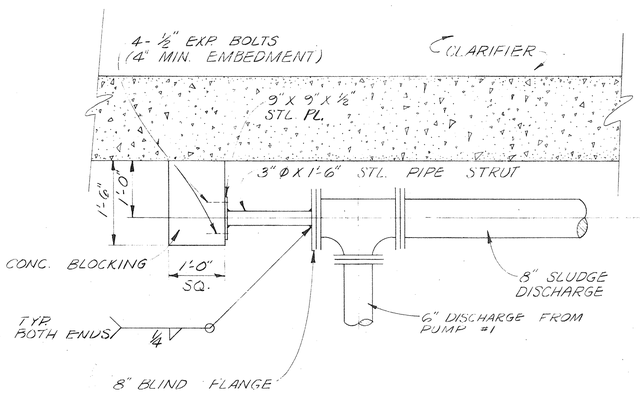
DSGN	APPROVED	LAND LOT 111	DISTRICT 15	DEKALB COUNTY
DRWN		APPROVED		SHEET NUMBER 62 OF 192
CHKD	SCALE AS SHOWN DATE FEB. 1981	DRAWING NO. 3-P-29		

POLYTRACE 033

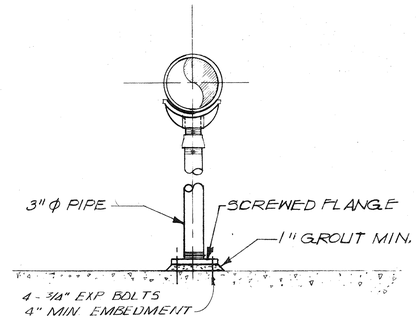
AF 14446



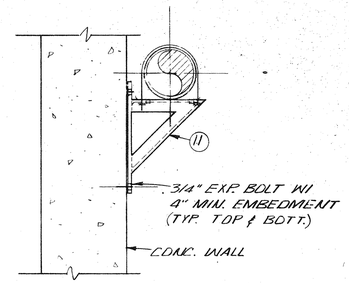
SECTION C
SCALE: 1/4"=1'-0" 3-P-30



DETAIL 1
SCALE: 3/4"=1'-0" 3-P-30



TYPE 'B'



TYPE 'C'

PIPE SUPPORT DETAIL
SCALE: NONE

NO.	DATE	BY	DESCRIPTION	PLACES
13	10/87	TNM	CHANGED HEIGHT, CROSS COLLECTOR DR. & THICKN.	
12	10/87	TNM	CHANGED PIPING & PUMPS NOZZLES	2
11	5/86	TNM	ADD. TYPE 'C' PIPE SUPP. DET.	1
9	5/86	TNM	ADDED SIGHT GLASS	6
5	3/82	TNM	ADDED PIPING FOR FLOW TUBE	1
4	3/82	TNM	ADDED VENT FROM AIR REL. VALVE	1

REVISIONS

	18	7/88	TNM	AS BUILT
PCO 35	17	8/83	TNM	CHANGE VENTURI FROM 8" TO 6" 1
PCO 65	16	8/83	TNM	DELETE SIGHT GLASSES 6

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE PUMP STATION SECTIONS & DETAILS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES No. 4308

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

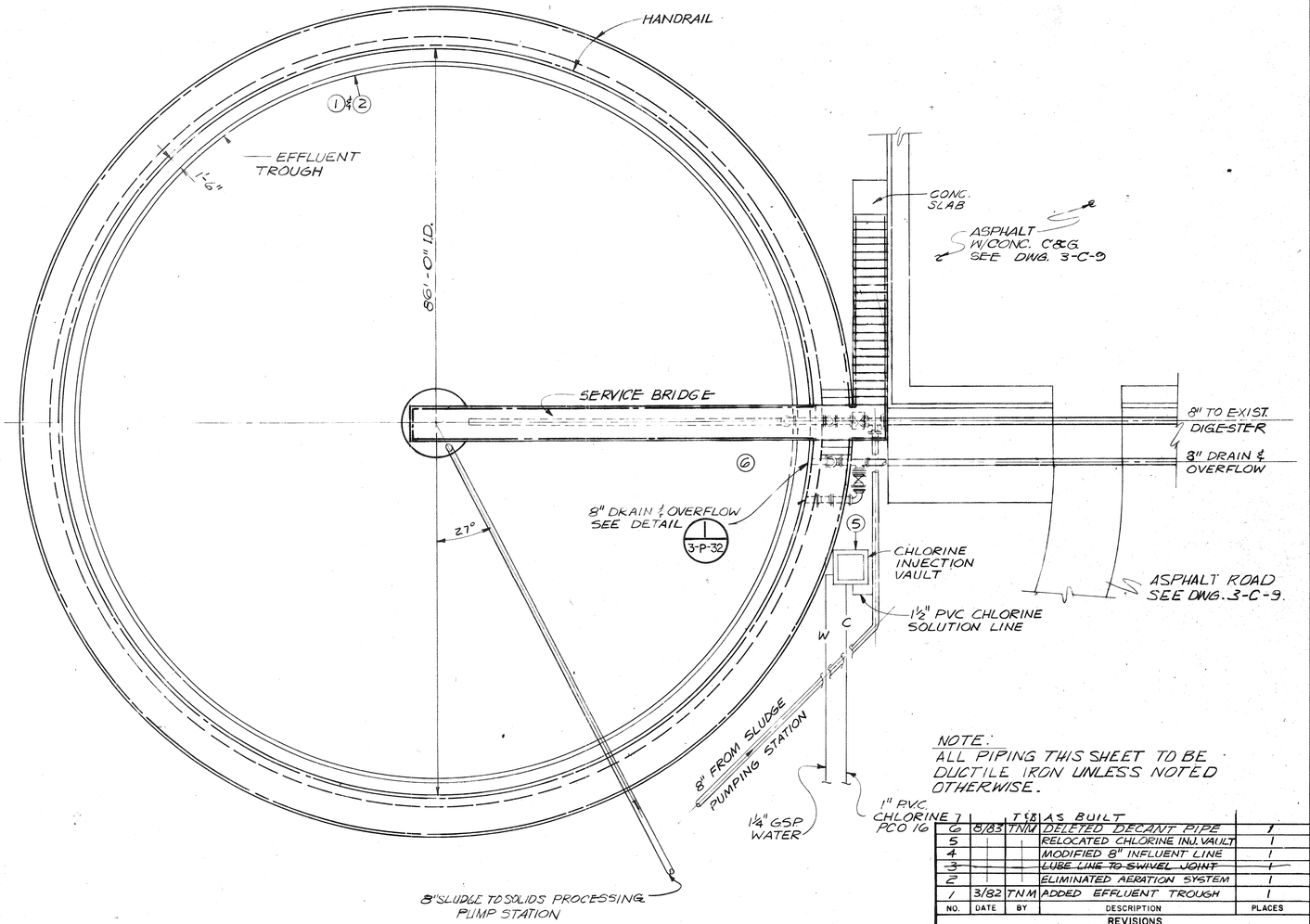
THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

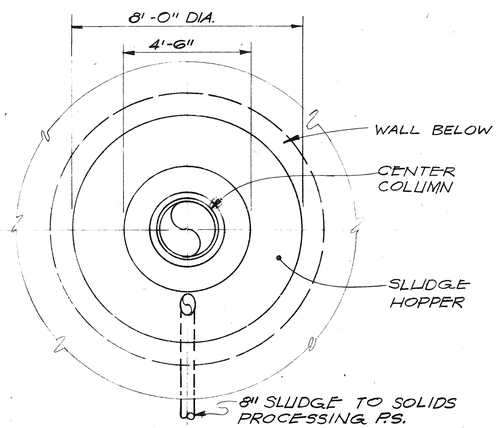
LAND LOT 111 DISTRICT 15 DEKALB COUNTY

DSGN		APPROVED	SHEET NUMBER 63 OF 192
DRWN			
CHKD		SCALE AS SHOWN DATE FEB '88	DRAWING NO. 3-P-30

POLYTRACE 033

AF 14446





PLAN @ ELEVATION 822.00

SCALE: 3/8"=1'-0"

TOP PLAN

SCALE: 1/8"=1'-0"

NOTE:
ALL PIPING THIS SHEET TO BE DUCTILE IRON UNLESS NOTED OTHERWISE.

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
6	8/83	TNM	DELETED DECANT PIPE	1
5			RELOCATED CHLORINE INJ. VAULT	1
4			MODIFIED 8" INFLUENT LINE	1
3			~~LUBE LINE TO SWIVEL JOINT~~	~~1~~
2			ELIMINATED AERATION SYSTEM	1
1	3/82	TNM	ADDED EFFLUENT TROUGH	1
		T&B	AS BUILT	

GEORGIA REGISTERED NO. 13206 PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE HOLDING TANK PLANS, SECTIONS & DETAIL

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN | APPROVED
DRWN |
CHKD | SCALE AS SHOWN DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

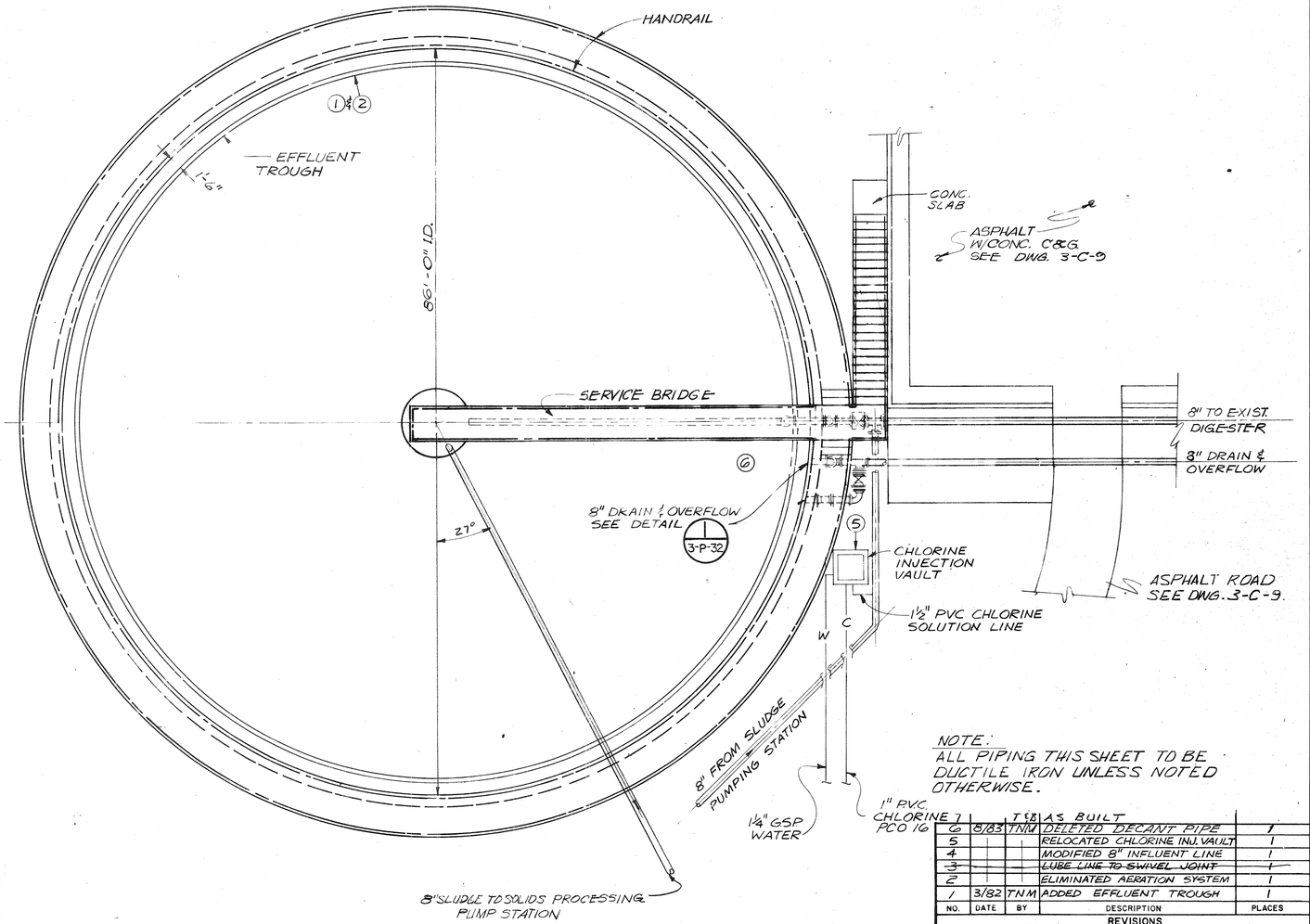
APPROVED

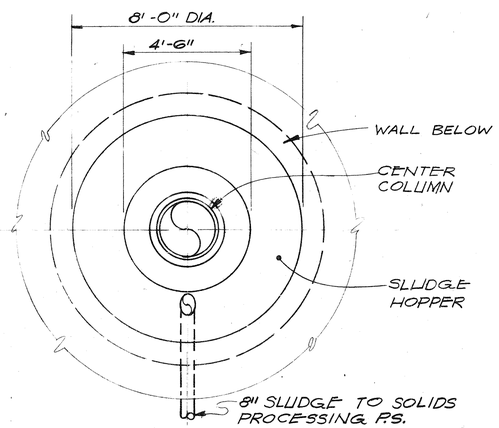
SHEET NUMBER 64 OF 192

DRAWING NO. 3-P-31

POLYTRACE 033

AF 14446





PLAN @ ELEVATION 822.00

SCALE: 3/8"=1'-0"

TOP PLAN

SCALE: 1/8"=1'-0"

NOTE:
ALL PIPING THIS SHEET TO BE DUCTILE IRON UNLESS NOTED OTHERWISE.

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
6	8/83	TNM	DELETED DECANT PIPE	1
5			RELOCATED CHLORINE INJ. VAULT	1
4			MODIFIED 8" INFLUENT LINE	1
3			~~LUBE LINE TO SWIVEL JOINT~~	~~1~~
2			ELIMINATED AERATION SYSTEM	1
1	3/82	TNM	ADDED EFFLUENT TROUGH	1
		T&B	AS BUILT	

GEORGIA REGISTERED NO. 13206 PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE HOLDING TANK PLANS, SECTIONS & DETAIL

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
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DSGN | APPROVED
DRWN |
CHKD | SCALE AS SHOWN DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

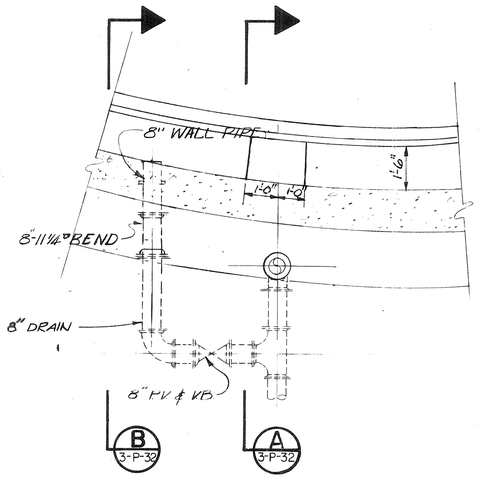
APPROVED

SHEET NUMBER 64 OF 192

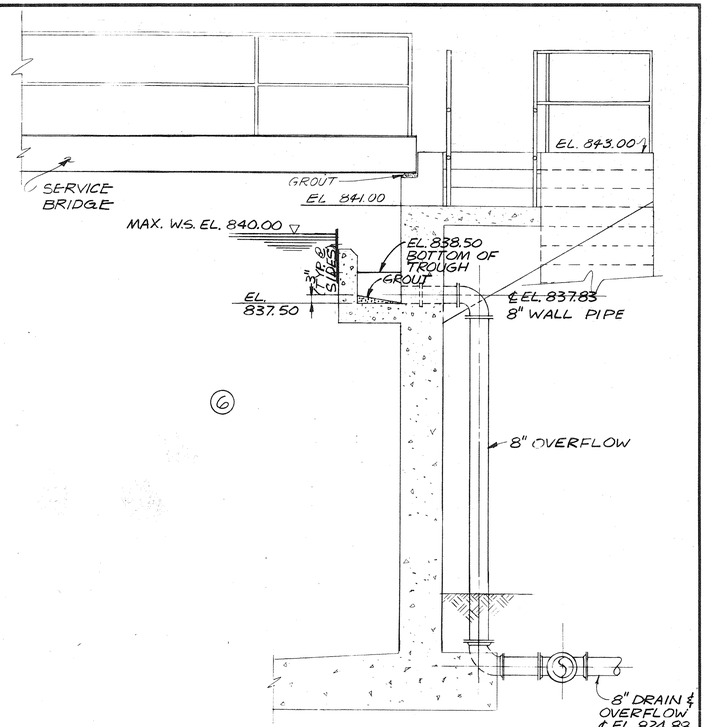
DRAWING NO. 3-P-31

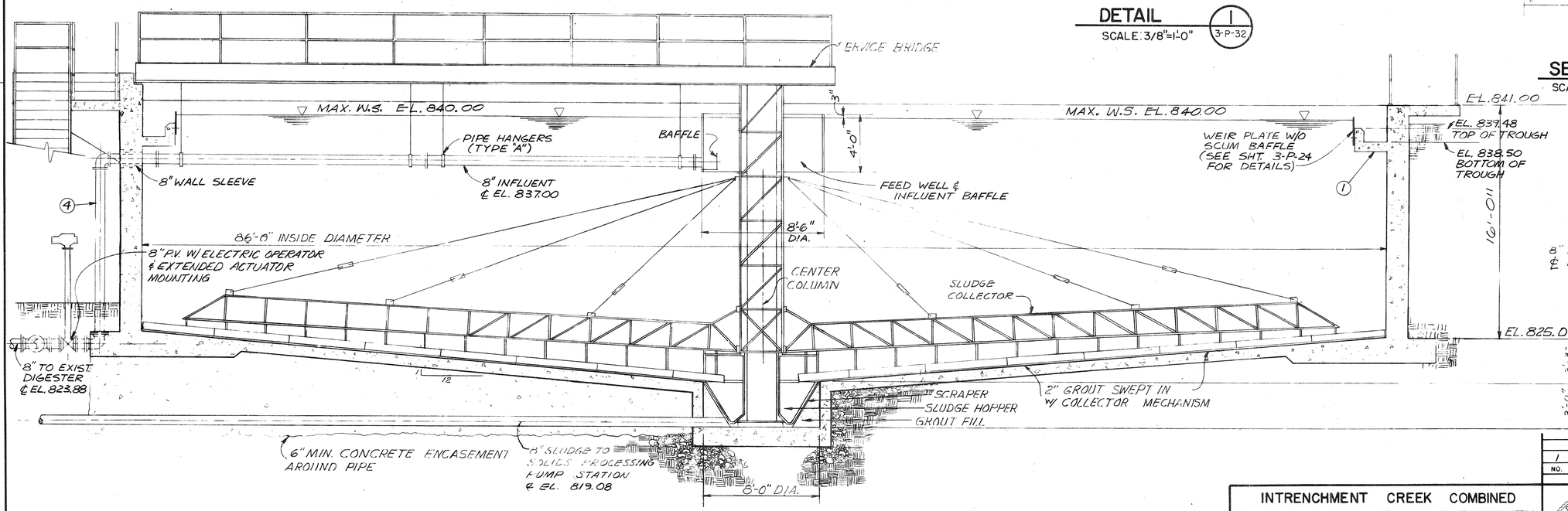
POLYTRACE 033

AF 14446

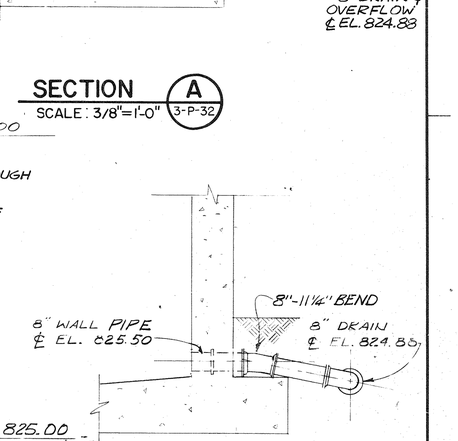


DETAIL (1) 3-P-32
SCALE: 3/8"=1'-0"





SLUDGE HOLDING TANK PICTORIAL SECTION
SCALE: 1/4" = 1'-0"



SECTION (A) 3-P-32
SCALE: 3/8"=1'-0"

SECTION (B) 3-P-32
SCALE: 3/8"=1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

GEORGIA REGISTERED No. 6806 PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE HOLDING TANK SECTIONS AND DETAILS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
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ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB, 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

DRAWING NO. 3 - P - 32

SHEET NUMBER 65 OF 192

POLYTRACE 033

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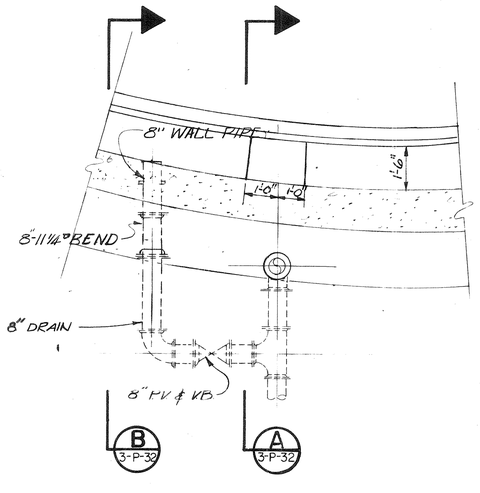
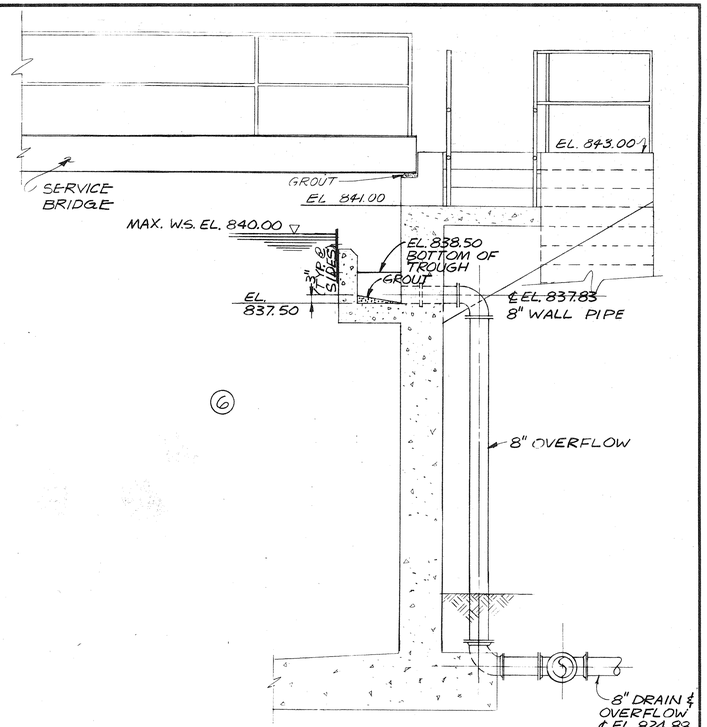
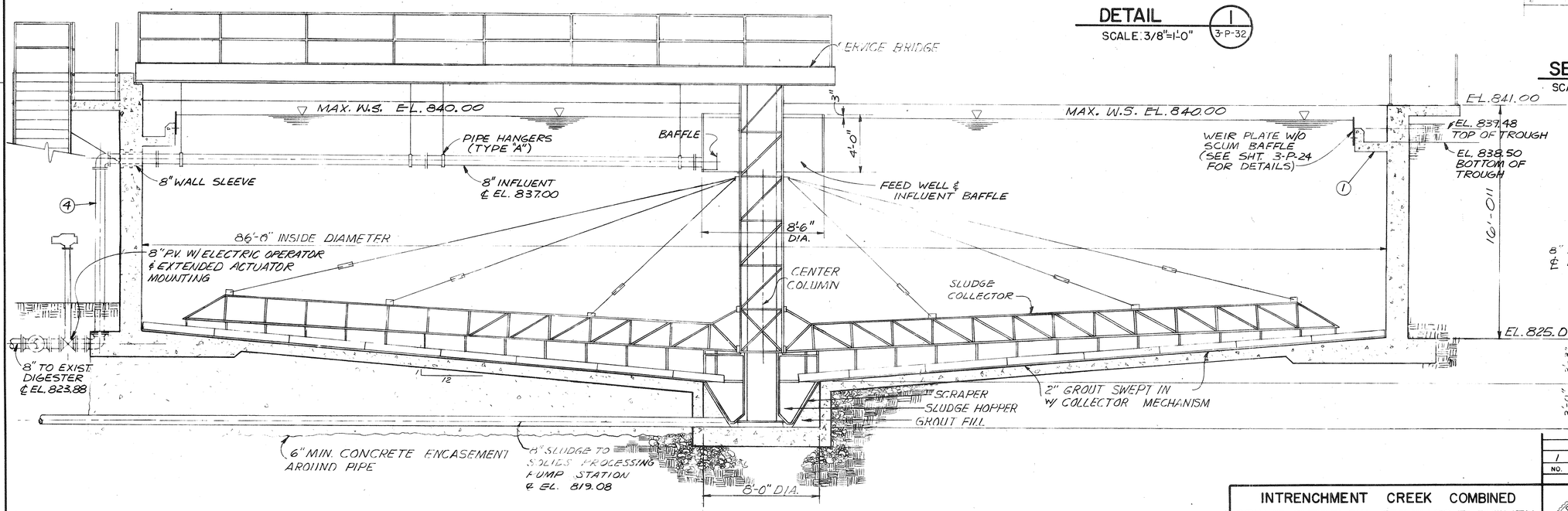
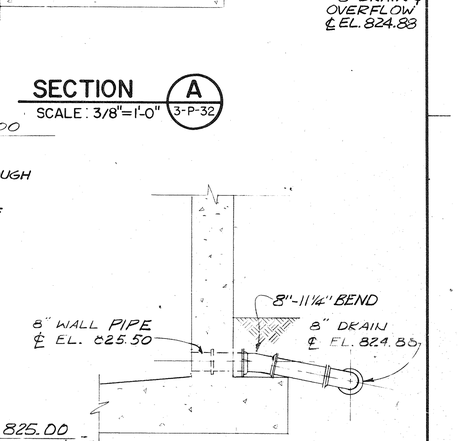


DETAIL (1) 3-P-32
SCALE: 3/8"=1'-0"





SLUDGE HOLDING TANK PICTORIAL SECTION
SCALE: 1/4" = 1'-0"



SECTION (A) 3-P-32
SCALE: 3/8"=1'-0"

SECTION (B) 3-P-32
SCALE: 3/8"=1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

GEORGIA REGISTERED No. 6806 PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE HOLDING TANK SECTIONS AND DETAILS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
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ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB, 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

DRAWING NO. 3 - P - 32

SHEET NUMBER 65 OF 192

POLYTRACE 033

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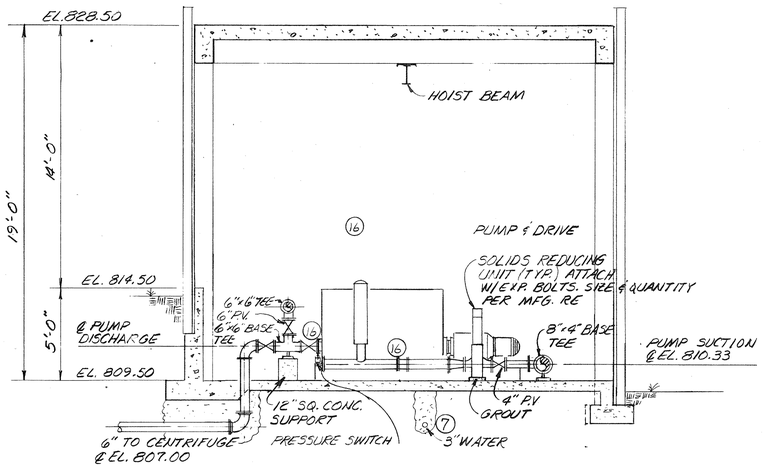
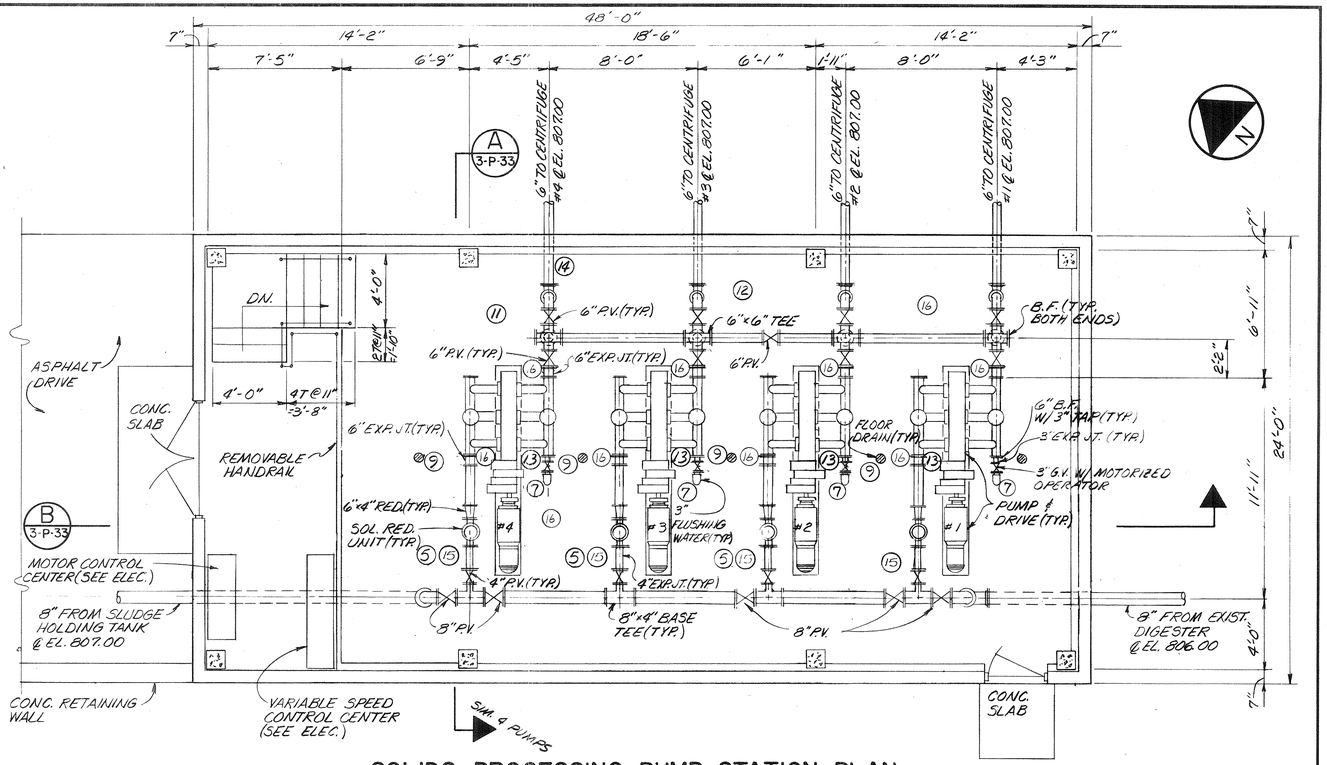


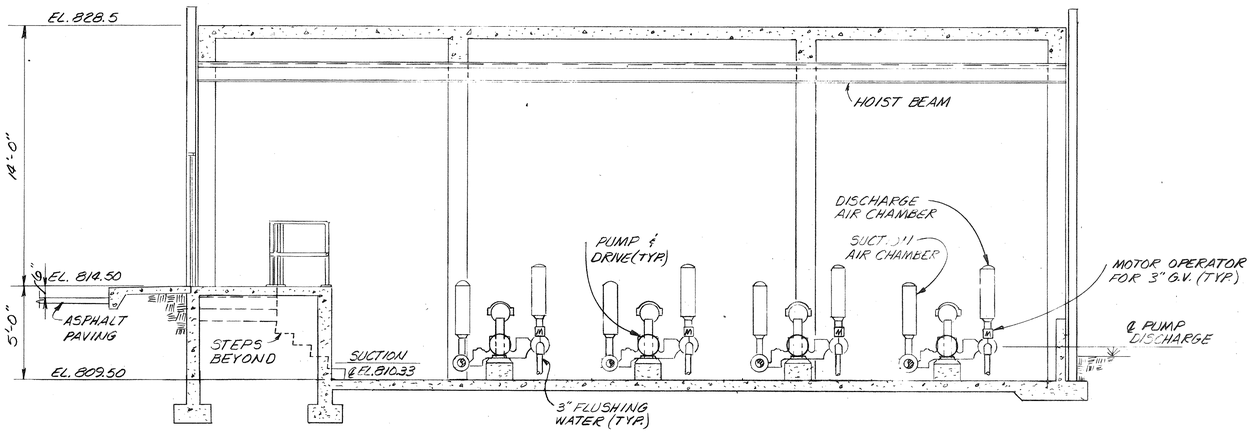
SECTION

SCALE: 1/4"=1'-0" (A 3-P-33)



SOLIDS PROCESSING PUMP STATION PLAN

SCALE: 1/4"= 1'-0"



SECTION

SCALE: 1/4"=1'-0" (B 3-P-33)

NOTE:
1. ALL PIPE UNDER PUMP STATION TO BE ENCASED W/ 6" MIN. CONC. ENCASEMENT TO BOTTOM OF FLOOR SLAB.
2. ALL PIPING WITHIN SOLIDS PROCESSING PUMP STATION TO BE DUCTILE IRON UNLESS NOTED OTHERWISE.
(10) 3. ALL 6" P.V.'S ON DISCHARGE SIDE OF PUMPS & ALL 8" P.V.'S WITHIN SOLIDS PROCESSING PUMP STATION TO HAVE POSITION INDICATING SWITCHES (5 8" VALVES & 13-6" VALVES).

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
	17		T&B AS BUILT	
PCO 78	16	2/84	DELETE WAFER PRESS. SENSER	8
	15	11/82	TPH DELETE BY-PASS ON SOL. RED UNIT	4
	14	11/82	TJM ELIMINATED SEAL WATER	4
	13	11/82	TJM CHANGED PUMPS & PIPING	4
	12	11/82	TJM ELIMINATED PIPE TRENCHES	1
	11	3/82	TJM ELIMINATED LINE TO SL. HOLDING	1
	10	3/82	TJM ADDED P.O.S. IND. TO PVS.	18
11/82	9	3/82	TJM RELOCATED FL. DRAINS	X 5
11/82	8	3/82	TJM ADDED SAMPLE TAPS	X 0
	7	3/82	TJM ADDED 3" FLUSH. WATER	4
	6	3/82	TJM ADD WAFER PRESS. SENSOR	8
	5	3/82	TJM CHANGED SUCTION PIPING & VALVES TO 6"	4
11/82	4	3/82	TJM ADDED 4" STL. PIPE STRUT	X 0
11/82	3	3/82	TJM ADDED SUMP & PUMP	X 0
11/82	2	3/82	TJM CHG. WALL SLEEVE TO WALL PIPE	X 0
11/82	1	3/82	TJM SOLIDS RED. UNIT & SUPPORT	X 0

GEORGIA REGISTERED NO 4308 PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SOLIDS PROCESSING PUMP STATION PLAN & SECTIONS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN | DRWN | CHKD | APPROVED | SCALE AS SHOWN | DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

DRAWING NO. 3-P-33

SHEET NUMBER 66 OF 192

© POLYTRACE 033

AF 14446

28'-0" EXISTING
9'-0" | 10'-0" | 9'-0"
3'-0" | 11'-0" | 3'-0"
45'-0" NEW ADDITION
9'-0" | 10'-0" | 9'-0"

EXISTING CONVEYOR TO REMAIN IN SERVICE

25'-6" (TYP. ALL NEW CONVEYORS)

NEW 39'-6" LONG CONVEYOR (TYP.)

NEW CONVEYOR

NEW CONVEYOR

℄ IDLER SHAFT

SEE WINDOW ELEV. (DWG. 3-A-14)

F.D.

6" SLUDGE FEED FROM SOLIDS PROCESSING PUMP STATION ℄ EL. 825.0

ELECTRICAL PANELS (SEE ELEC.)

C 3-P-36 O.H. SIM.

C 3-P-36

CENTRIFUGE CONTROL ROOM (6)

6" SLUDGE FEED TO CENTRIFUGE #2

8" CENTRATE DRAIN

6" P.V.

6" SLUDGE FEED TO CENTRIFUGE #3 & 4

8" CENTRATE DRAIN

6" P.V.

SEE WINDOW ELEV. (DWG 3-A-14)

ELECTRICAL PANEL (SEE ELEC.)

D 3-P-36 SIM. O.H.

6" P.V.

D 3-P-36

TOP OF GRATING EL. 826.84

4" DRAIN ℄ EL. 826.00

C.I. GRATING & FRAME

EL. BOT. OF TRENCH 825.84

PLUG AFTER NEW LINES ARE PLACED IN SERVICE

EXIST. 2" WATER

EXIST. 1½" POLYMER

TEMP. ROUTE WATER & POLYMER TO EXIST. CENTRIFUGE #1 DURING CONSTRUCTION

4" DRAIN ℄ EL. 826.00 REMOVE EXIST. CENTRATE DRAIN & GROUT IN NEW 4" DRAIN

EXIST. SLUDGE FEED LINE TO EXIST. CENTRIFUGE TO REMAIN IN SERVICE

EXIST. 12" DRAIN TO REMAIN IN SERVICE

A 3-P-36

EXIST. WATER & POLYMER DRAIN (REMOVE FOR CONSTRUCTION)

INV. EL. 824.25

2" P.V.C. DRAIN

1½" G.S.P. DRAINS

1½" PLUG VALVES (IN VALVE BOX)

3" G.S.P. WATER TO CENTRIFUGE #1 & #2

EXIST. VALVE BOX (REMOVE FOR CONSTRUCTION, TEMP. ROUTE WATER & POLYMER TO EXIST. CENTRIFUGE #1)

EXIST. COL.

EXIST. 2" WATER

DOOR NO. 18 (SEE DWG. 3-A-14)

1½" P.V.C. POLYMER FEED TO CENTRIFUGE #1 & #2

EXIST. 1½" POLYMER

3" G.S.P. WATER TO CENTRIFUGE #3 & #4

¾" G.S.P. SEE 3-M-3

1½" P.V.C.

12" D.I.P. DRAIN @ 0.25%

12" D.I.P. DRAIN @ 0.32%

SEE VALVE BOX DETAIL ON DWG. 3-P-35

NOTE VERIFY SIZE & LOCATION OF EXIST. COLUMN & FOOTING PRIOR TO INSTALLATION OF VALVE BOX.

4" C.I.S.P. DRAIN

1½" G.S.P. CENTRATE SAMPLE LINES

5'-6" 4" C.I.S.P. DRAIN

12" D.I.P. DRAIN @ 0.25%

SEE VALVE BOX DETAIL ON DWG. 3-P-35

1½" P.V.C. POLYMER FEED

1½" G.S.P. DRAINS

2" P.V.C. DRAIN

1½" PLUG VALVES (IN VALVE BOX)

1½" P.V.C. POLYMER FEED TO CENTRIFUGE #3 & #4

B 3-P-36

BUILD MANHOLE OVER EXISTING 12" V.C. DRAIN INV. EL. 824.08

14'-0" (TYP. ALL NEW CONVEYORS)

℄ DRIVE SHAFT

3" WATER

6" WATER

6" WATER

1½" G.S.P. CENTRATE SAMPLE LINES

3" WATER

1½" G.S.P. WATER

4" C.I.S.P. TO SOLIDS PROCESSING PUMP STA. SEE 3-P-6.98

MOTOR

CENTRATE SAMPLE PUMP VAULT (SEE SHT. 3-P.37)

CENTRIFUGE BOTTOM PLAN

SCALE: 3/8" = 1'-0"

PCO 83

NO.	DATE	BY	DESCRIPTION	PLACES
8			T&B AS BUILT	
7	2/84		MODIFIED FOR NON-POTABLE	2
6			ENLARGED CONTROL ROOM	1
5			ADDED CENTRATE SAMPLE PUMP	1
4			ADDED 4" DRAINS	2
3			CHANGED 2" WATER TO 3" W/HR	2
2			ADDED BFP IN VALVE BOX	2
1	3/82	TNM	MODIFIED VALVE BOX & PIPING	1

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CENTRIFUGE PLATFORM BOTTOM PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

DSGN | APPROVED
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CITY OF ATLANTA
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BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

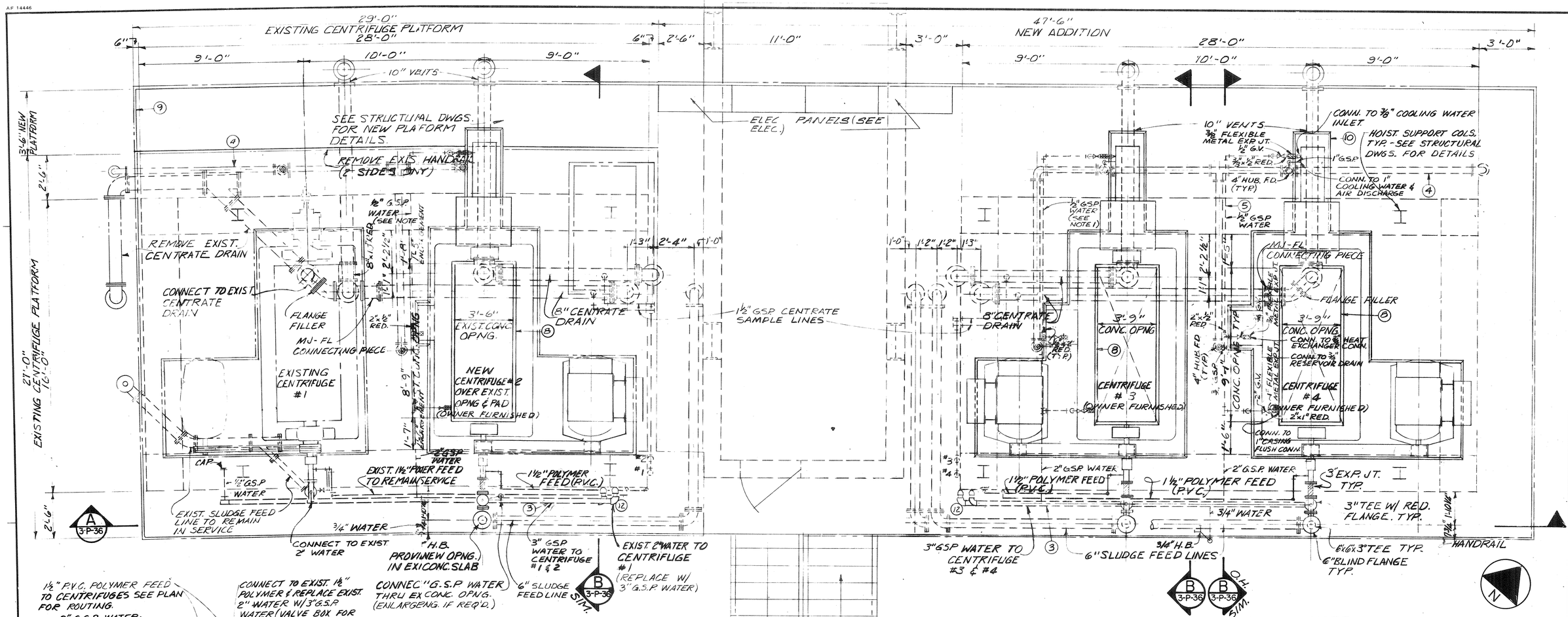
APPROVED

DRAWING NO. 3-P-34

SHEET NUMBER 67 OF 192

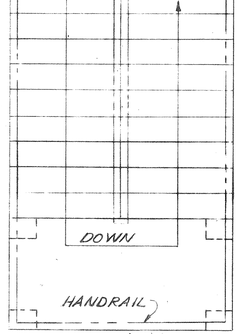
POLYTRACE 033

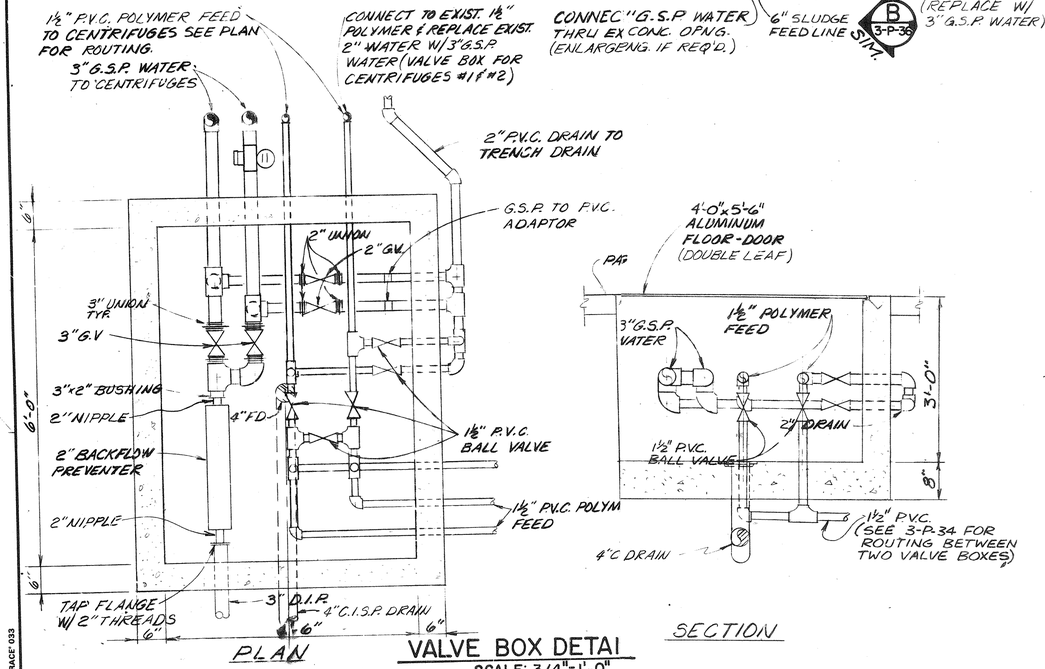
AF 14446



CENTRIFUGE TOP PLAN

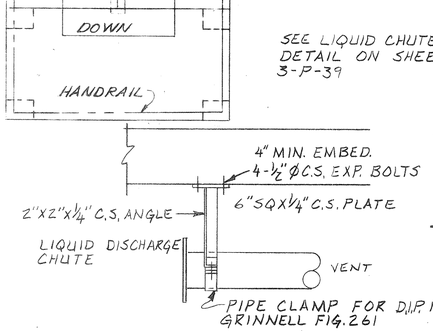
SCALE: 3/8" = 1'-0"

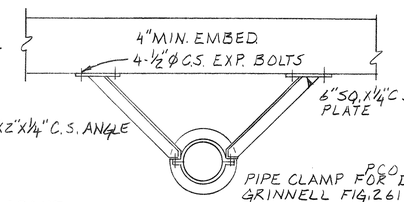




VALVE BOX DETAI

SCALE: 3/4" = 1'-0"





LIQUID CHUTE SUPPORT DETAIL

N.T.S.

PCO 83

NOTE:

1. HEAT TRACE & INSULATE ALL WATER, SAMPLE & POLYMER FEED PIPING ABOVE GRADE @ CENTRIFUGE PLATFORM
2. ALL WATER PIPING & CONNECTIONS TO NEW CENTRIFUGES TYP. AS SHOWN FOR CENTRIFUGE #4.
3. TRAPS NOT REQD. FOR FLOOR DRAINS @ TOP OF PLATFORM.
4. ALL PIPING @ CENTRIFUGE PLATFORM TO BE DUCTILE IRON UNLESS NOTED OTHERWISE.
5. ALL PIPE UNDER SLABS @ CENTRIFUGE PLATFORM TO BE ENCASED W/ 6" MIN. CONC. ENCASEMENT TO BOTTOM OF SLAB.

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
13		T&B	AS BUILT	
12	2/84		MODIFIED FOR NON-POTABLE	2
10	3/82	TNM	MODIFIED CENTRIFUGE PAD	3
9	3/82	TNM	WIDENED TOP OF PLATFORM 1'-0"	1
8	3/82	TNM	ENLARGE CENTRIFUGE OPNG.	3

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CENTRIFUGE PLATFORM TOP PLAN & DETAILS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB. 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111	DISTRICT 15	DEKALB COUNTY
APPROVED		SHEET NUMBER 68 OF 192
DRAWING NO. 3 - P - 35		

POLYTRACE 033

AP 14446

EXISTING CENTRIFUGE NO. 1

(OWNER FURNISHED) NEW CENTRIFUGE NO. 2

REPLACE EXIST. 1½" G.V. ON FLUSHING WATER LINE INTO CENTRIFUGE INLET W/MOTOR OPERATED 2" BALL VALVE (BRONZE)

BELT GUARD

2"x 1½" RED.

2"x 1½" RED.

1½" POLY. FEED

EXIST. 1½" POLYMER FEED

6" 90° BEND

6" 90° BEND

CONNECT TO EXIST. CENTRATE DRAIN

℄ EL. 839.88

℄ EL. 837.08

8" 90° BEND

FLANGE FILLER

8"x8" TEE (MJ-FL-FL)

TYP. A PIPE HANGERS TYP.

CONNECTING PIECE (MJ-FL)

8" 90° BEND (MJ)

8" CENTRATE DRAIN

SLOPE DOWNWARD @ ¼" FT. (TYP-BOTH CENTRATE DRAINS)

PLUGGED TEES TYP @ BENDS ON CENTRATE SAMPLE LINES

8" 90° BEND #1 (MJ)

1½" G.S.P. CENTRATE SAMPLE LINES

6" CENTRIFUGE FEED FROM SOLIDS PROCESSING PUMP STATION

8" CENTRATE DRAIN

EXIST. CONVEYOR TO REMAIN IN SERVICE

MATCH HEIGHT W/ EXIST. (TYP. (3) NEW CONVEYORS)

NEW CONVEYOR

EXIST. 12" V.C. DRAIN

12" D.I. DRAIN

12" D.I. DRAIN

HOIST SUPPORT COLUMN SEE STRUCTURAL DWGS. FOR DETAILS.

CONNECT TO EXIST. HANDRAIL

HANDRAIL

BELT GUARD

(OWNER FURNISHED) NEW CENTRIFUGE NO. 3

(OWNER FURNISHED) NEW CENTRIFUGE NO. 4

BELT GUARD

1½" POLYMER FEED

1½" POLYMER FEED

EL. 841.88

6" 90° BEND

6" 90° BEND

℄ EL. 839.88

3"ø G.S.P. WATER

℄ EL. 838.88

℄ EL. 837.08

8" 90° BEND

FLANGE FILLER

8" 45° BEND

CONNECTING PIECE (MJ-FL)

#4 8" 90° BEND (M.J.)

#3 90° BEND (MJ.)

8" CENTRATE DRAIN. TYPE "A" PIPE HANGERS TYP.

SLOPE DOWNWARD @ ¼" FT. (TYP-BOTH CENT. DRAINS)

1½" G.S.P. CENTRATE SAMPLE LINES

6" CENTRIFUGE FEED FROM SOLIDS PROCESSING PUMP STATION

SOLIDS DISCHARGE CHUTE - SEE DTL. ON DWG. 3-P-35. TYP.

8" CENTRATE DRAIN

NEW CONVEYOR

NEW CONVEYOR

15'-0½"

EL. 826.84 ℄ TRENCH DRAIN

SECTION A
SCALE: 3/8"=1'-0" 3-P-36

3"x3" TEE

3" EXT. JT.

HOIST SUPPORT COLUMN SEE STRUCTURAL DWGS. FOR DETAILS.

6" B.F.

1½" PVC. BALL VALVE

¾"x1½" RED. ℄ POLYMER FEED

CENTRIFUGE (OWNER FURNISHED)

6x6x3" TEE

1½" EXP. JT.

3" EXP. JT.

6" PLUG VALVE

3" GATE VALVE W/ MOTOR OPERATOR

1½" POLYMER FEED

1½" G.S.P. WATER

3" GSP WATER

EL. 841.88

¾" H.B. 24" A.F.F.

¾" WATER

℄ EL. 839.88

℄ EL. 838.88

6" SLUDGE FEED

PIPE HANGERS TYP. TYPE "A"

8" CENTRATE DRAIN ℄ EL. 837.08

SOLIDS DISCHARGE CHUTE - SEE DTL. ON DWG 3-P-38

2" G.S.P. WATER TO CENTRIFUGES (SEE PLAN SHT. 3-P-35

EL. 826.84

10" VENT

12" D.I.P.

4" HUBBED FLOOR DRAIN

SUMP PORT ANGLES

LIQUIDS DISCHARGE CHUTE - SEE DETAIL SHT. 3-P-39

4" DRAIN ℄ EL. 838.12

℄ EL. 839.17

6" MIN. CONC. ENCASEMENT AROUND PIPE

15'-0½"

EL. 826.84 ℄ TRENCH DRAIN

CONVEYOR

1" MIN. GROUT

C.I. GRATING & FRAME.

CONVEYOR SUPPORT - SEE SPECIFICATIONS FOR SIZE & SPACING

SECTION B
SCALE: 3/8"=1'-0" 3-P-36

6" MIN. CONC. ENCASEMENT AROUND PIPE. TYP.

6" SLUDGE FEED TO CENTRIFUGE

8" CENTRATE DRAIN

1'-1"

6" MIN. CONC. ENCASEMENT AROUND PIPES UNDER CONC. SLAB. TYP.

EL. 826.84

6" WALL PIPE PE-PE

6" F.V.

℄ EL. 825.59

6" P.V. ℄ EL. 825.0

6" SLUDGE FEED FROM SOLIDS PROCESSING PUMP STATION ℄ EL. 825.0

6" WALL PIPE FL. MJ.

6" P.V. ℄ V.B.

6x6x6" TEE PE. PE. MJ.

SECTION C
SCALE: 3/4"=1'-0" 3-P-36

6" SLUDGE FEED TO CENTRIFUGE

5" CENTRATE DRAIN

6" 1'-2" 1'-2" 1'-3" 5"

GRATING

℄ EL. 825.59

EL. 824.25

SECTION D
SCALE: 3/4"=1'-0" 3-P-36

NO	DATE	BY	DESCRIPTION	PLATES
7			ADD LIQUIDS DISCHG CHUTE	3
6			ADD FLEX. CONN. & MOD CHUTE	3
5	3/82	TNM	ADDED WATER LINE	3
12		T+B	AS BUILT	1
11	8.83	TNM	ADDED 2" FLUSH. WATER VALVE	1

REVISIONS

PCO 48

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CENTRIFUGE PLATFORM SECTIONS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB. 1981

LAND LOT 111 DISTRICT 15 DEKALB COUNTY

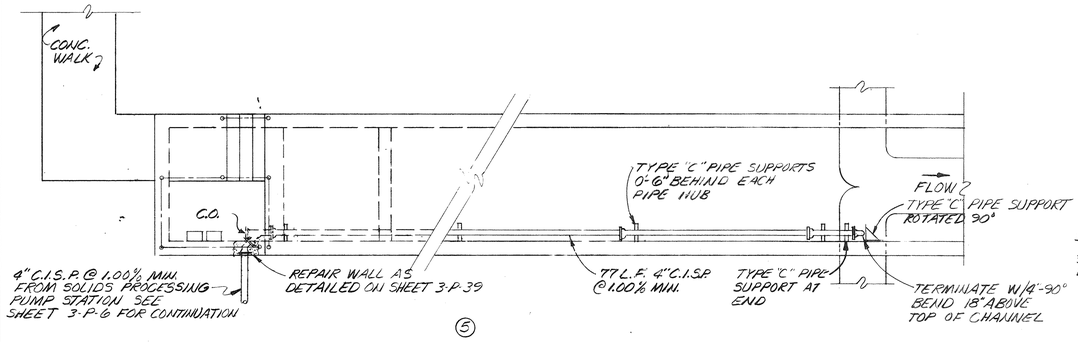
APPROVED

DRAWING NO. 3-P-36

SHEET NUMBER 69 OF 192

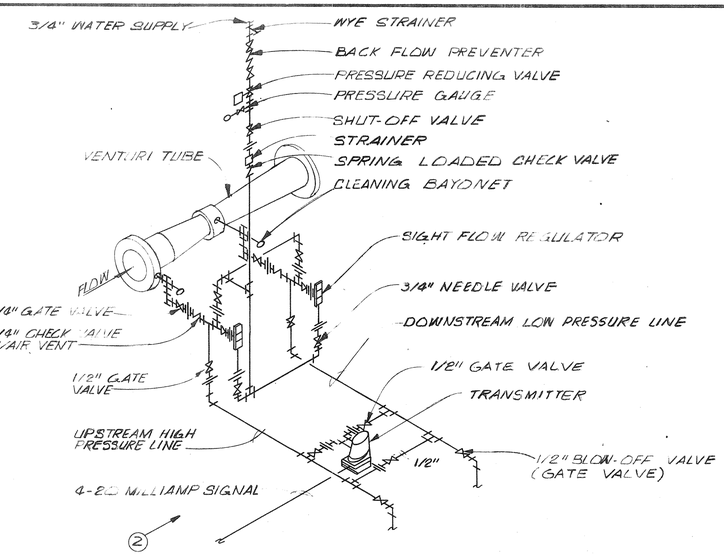
POLYTRACE 033

AF 14446



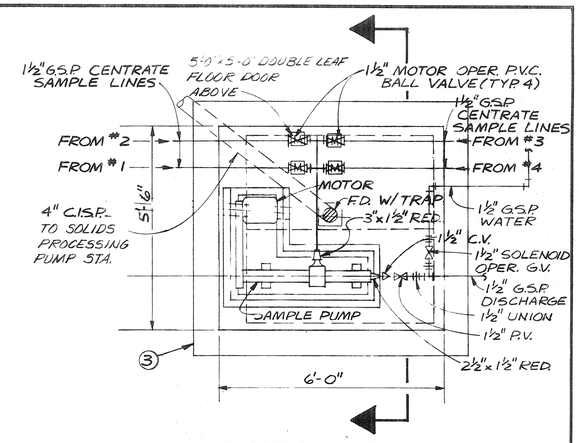
PLAN
EXISTING TRICKLING FILTER EFFLUENT CHANNEL

SCALE: 1/4" = 1'-0"

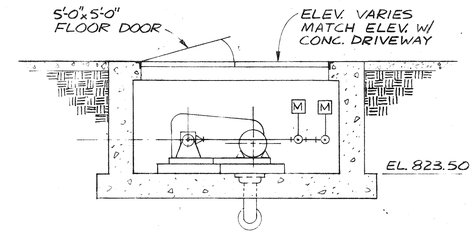


VENTURI TUBE
PURGE WATER PIPING SCHEMATIC

SCALE: NONE
PIPE MATERIAL: COPPER

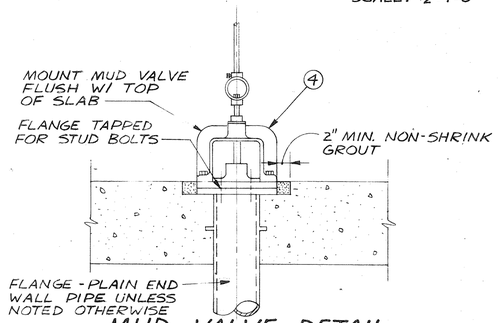


BOTTOM PLAN



SECTION
CENTRATE SAMPLE PUMP VAULT DETAIL

SCALE: 1/2" = 1'-0"



MUD VALVE DETAIL

SCALE: NONE

GEORGIA REGISTERED ENGINEER CHARLES HAMILTON JONES

NO.	DATE	BY	DESCRIPTION	PLACES
6		T&B	AS BUILT	1115'
5	11/82	TNM	ADDED 4" C.I.S.P. DRAIN FROM SOL. PROCESS. P.S.	1
4	3/82	TNM	ADDED MUD VALVE DETAIL	1
3	3/82	TNM	ADDED CENT. SAMPLE VAULT	1
2	3/82	TNM	ADDED PURGE WATER SCEHM.	1
1	3/82	TNM	ADDED METER VAULTS	& 0

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

DETAIL SHEET

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED	
DRWN			
CHKD		SCALE AS SHOWN	DATE FEB., 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

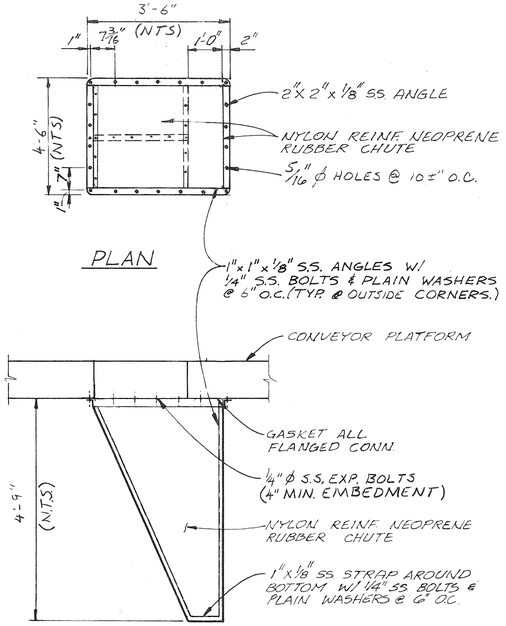
APPROVED

DRAWING NO. 3-P-37

SHEET NUMBER 70 OF 192

POLYTRACE 033

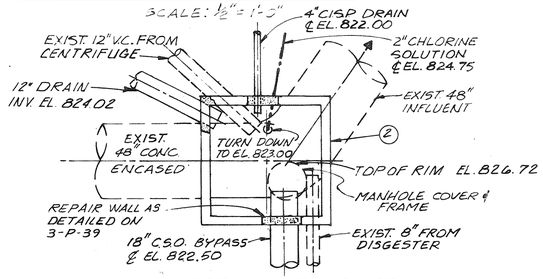
AF 14446



SCREENINGS' CONVEYOR DISCHARGE CHUTE DETAIL

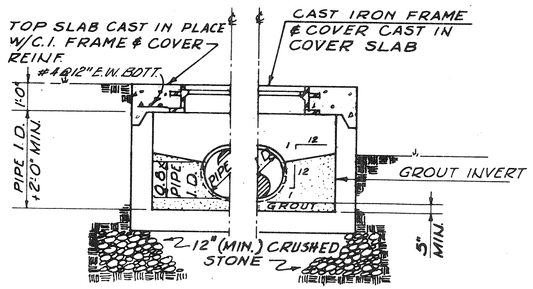
(1 3-P-38)

SCALE: 1/2" = 1'-0"



CONNECTION TO EXIST. CONC. JUNCTION BOX

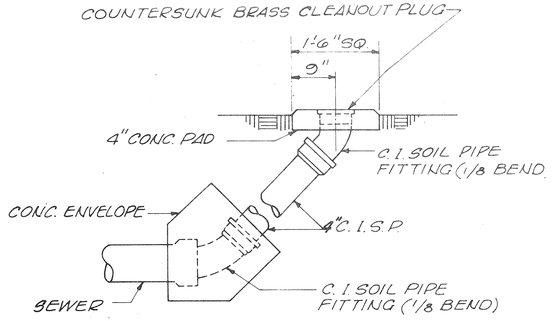
SCALE: NONE



TOP @ GRADE — TOP ABOVE GRADE

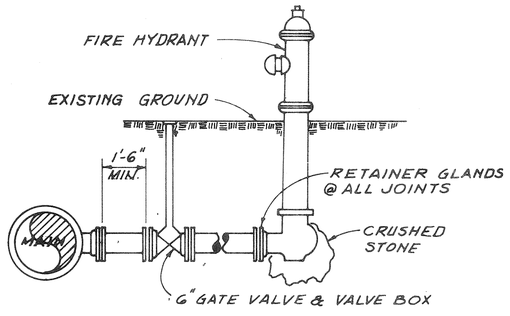
SHALLOW MANHOLE

SCALE: NONE



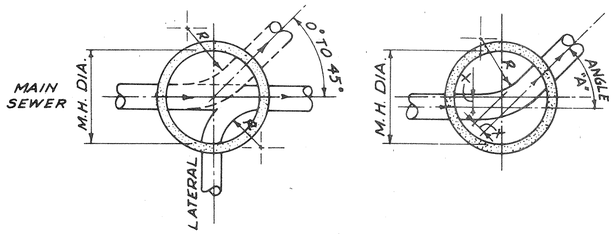
CLEANOUT DETAIL

SCALE: NONE



TYPICAL FIRE HYDRANT DETAILS

SCALE: NONE



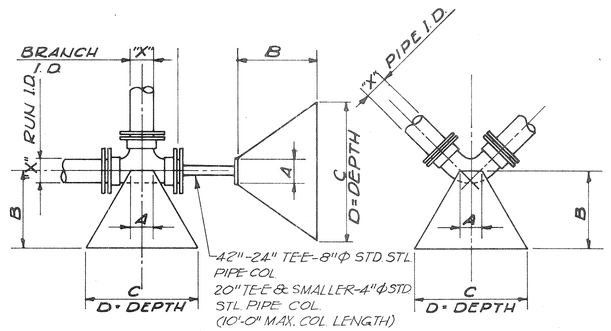
STANDARD MANHOLES SCHEDULE OF GOVERNING DIMENSIONS				
PIPE SIZE	ANGLE "A"	M.H. DIA.		X
8" TO 15"	0° TO 90°	4'-0"		0"

NOTE:
MINIMUM ℄ RADIUS OF M.H. INVERT = 1.5 x PIPE DIAMETER.

TYPICAL PLANS

STANDARD PRECAST MANHOLE DETAILS

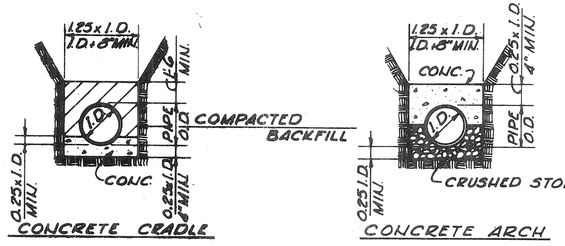
SCALE: NONE



TYPICAL BLOCKING DETAILS

SCALE: NONE

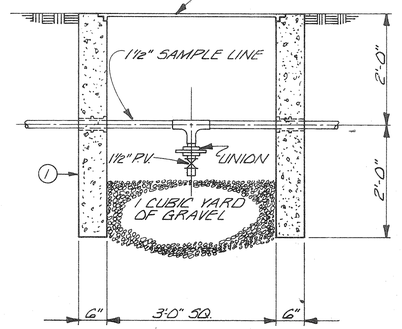
BLOCKING DIMENSIONS				
X	A	B	C	D
TEES				
18"	1'-6"	3'-0"	3'-9"	3'-9"
16"	1'-0"	3'-0"	3'-6"	3'-6"
12"	10"	2'-6"	2'-8"	2'-8"
10"	10"	2'-6"	2'-3"	2'-3"
8"	10"	2'-0"	1'-10"	1'-10"
6" & 4"	8"	2'-0"	1'-6"	1'-6"
90° BENDS				
18"	1'-4"	3'-0"	4'-6"	4'-6"
16"	1'-2"	3'-0"	4'-2"	4'-2"
12"	1'-0"	2'-6"	3'-2"	3'-2"
10"	8"	2'-6"	2'-8"	2'-8"
8"	8"	2'-0"	2'-2"	2'-2"
6" & 4"	6"	2'-0"	1'-8"	1'-8"
45° BENDS				
18"	1'-2"	3'-0"	3'-3"	3'-3"
16"	1'-2"	3'-0"	3'-2"	3'-2"
12"	1'-0"	2'-6"	2'-4"	2'-4"
10"	8"	2'-6"	2'-0"	2'-0"
8"	8"	2'-0"	1'-8"	1'-8"
6" & 4"	6"	2'-0"	1'-3"	1'-3"
22½° BENDS				
18"	1'-0"	2'-6"	2'-3"	2'-3"
16"	1'-0"	2'-6"	2'-2"	2'-2"
12"	8"	2'-0"	1'-8"	1'-8"
10"	8"	2'-0"	1'-5"	1'-5"
8"	6"	2'-0"	1'-2"	1'-2"
6" & 4"	6"	1'-6"	1'-0"	1'-0"
11¼° BENDS				
18"	1'-0"	2'-0"	1'-8"	1'-8"
16"	8"	2'-0"	1'-7"	1'-7"
12"	6"	2'-0"	1'-2"	1'-2"
10"	6"	1'-6"	1'-0"	1'-0"
8"	6"	1'-6"	0'-10"	0'-10"
6" & 4"	6"	1'-6"	0'-8"	0'-8"



TYPICAL PIPE BEDDING DETAILS

SCALE: NONE

NOTE:
UNLESS SHOWN OTHERWISE, CLASS "C" BEDDING SHALL BE USED.



DRAINAGE VAULT DETAIL

SCALE: NONE

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
3		7/83	AS BUILT	
2	3/82	TNM	ADD. CONN. TO EXIST. JUNC. BOX	1
1	3/82	TNM	ADDED DRAINAGE VAULT DTL.	1

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

DETAIL SHEET

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED No. 14804 PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

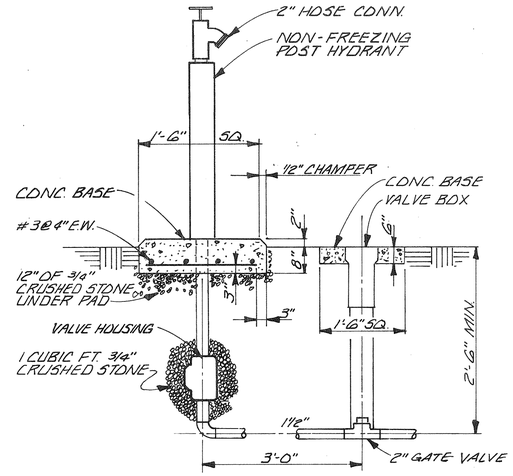
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	APPROVED	LAND LOT 111	DISTRICT 15 DEKALB COUNTY
DRWN		APPROVED	SHEET NUMBER 71
CHKD	SCALE: NONE DATE FEB., 1981	DRAWING NO. 3-P-38	OF 192

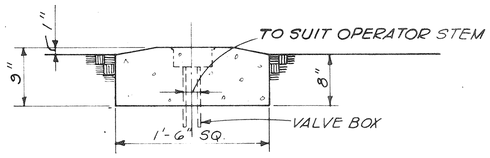
POLYTRACE 033

AF 14446



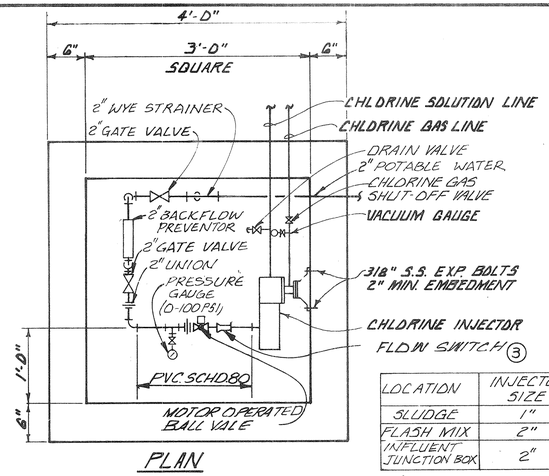
POST HYDRANT W/ FREEZE PROTECTION DETAIL

SCALE: NONE



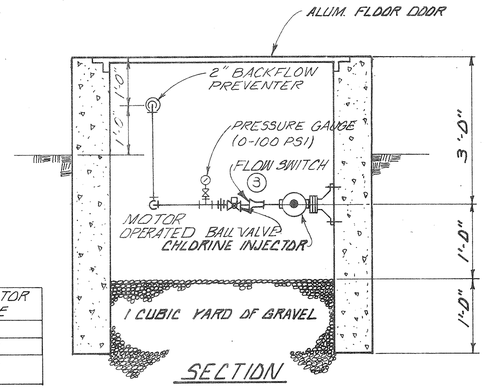
DETAIL VALVE BOX FOR UNDERGROUND VALVE

SCALE: NONE



PLAN

LOCATION	INJECTOR SIZE
SLUDGE	1"
FLASH MIX	2"
INFLUENT JUNCTION BOX	2"

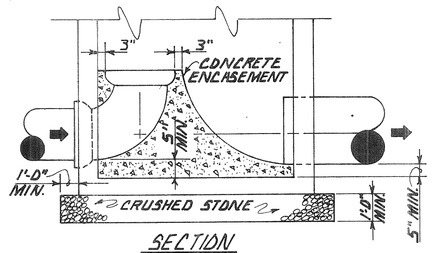


SECTION

TYPICAL CHLORINE INJECTOR VAULT DETAILS

SCALE: NONE

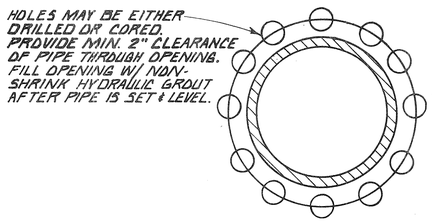
(5) NOTE: FOR CHLORINE INJECTOR VAULTS REQUIRING MORE THAN ONE CHLORINE SOLUTION LINE, SEE YARD PIPING DRAWINGS AND DRAWING 4-P-25.



SECTION

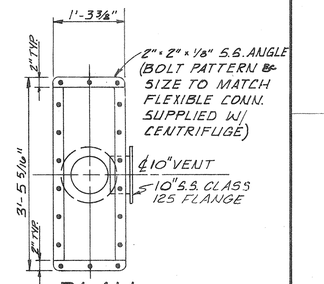
TYPICAL FORCE MAIN CONNECTION TO MANHOLE

SCALE: NONE

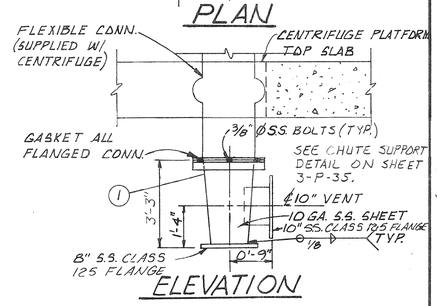


DETAIL FOR PIPE PASSING THRU EXISTING CONCRETE WALL

SCALE: NONE



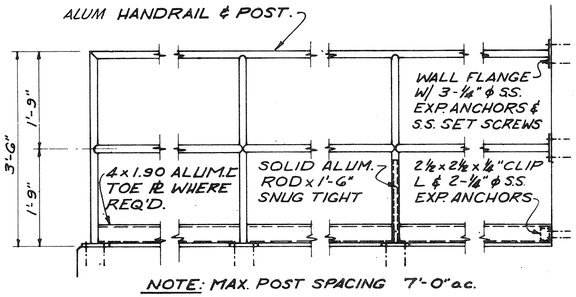
PLAN



ELEVATION

LIQUID DISCHARGE CHUTE DETAIL

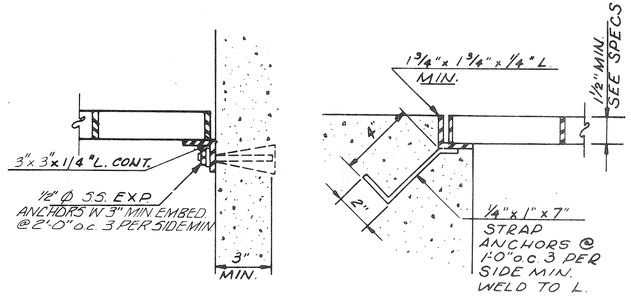
SCALE: NONE



NOTE: MAX. POST SPACING 7'-0" o.c.

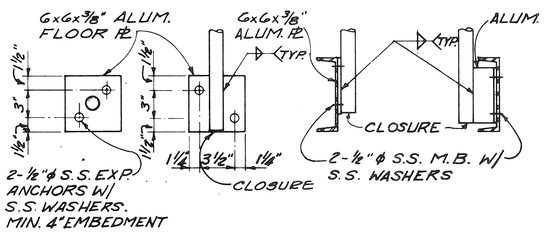
END RUN LIFT-OUT WALL END

ELEVATION



TYPE "B" TYPE "A"

NOTE: UNLESS SHOWN OTHERWISE, TYPE "A" SHALL BE USED.

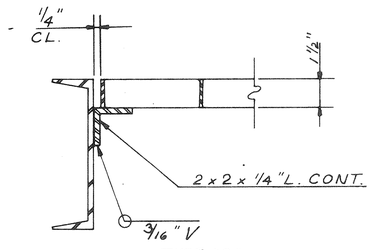


FLOOR PL SIDE PL CHANNEL OR BEAM

ALL WELDED CONSTRUCTION

TYPICAL ALUMINUM HANDRAIL DETAILS

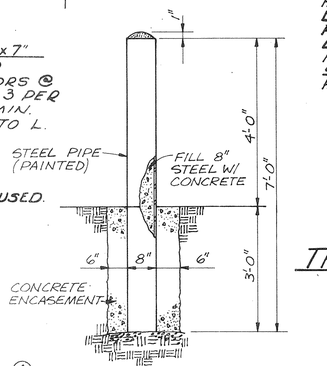
SCALE: NONE



TYPE "C"

TYPICAL ALUMINUM GRATING DETAILS

SCALE: NONE



④ GUARD POST DETAIL

SCALE: NONE

GEORGIA REGISTERED No. 14368 PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

NO.	DATE	BY	DESCRIPTION	PLACES
6		TJB	AS BUILT	
5	11/82	TPH	ADDED CHLORINE INJ. NOTE	1
4	4/82	TNM	ADDED GUARD POST DTL.	1
3	4/82	CE	ADDED FLOW SWITCH	1
2	3/82	TNM	REVISED POST HYDRANT DTL.	1
1	3/82	TNM	ADDED LIQ. DISC. CHUTE DTL.	1

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

DETAIL SHEET

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN		APPROVED		LAND LOT 111	DISTRICT 15	DEKALB COUNTY
DRWN				APPROVED		SHEET NUMBER 72 OF 192
CHKD		SCALE NONE	DATE FEB., 1981	DRAWING NO. 3-P-39		

POLYTRACE 033

AF 14446

MATCH LINE SEE DWG. 3-P-7

CONNECT TO EXIST. 2" G.S.P. WATER W/ 2"-22½° BEND

42" EFFLUENT TO INTRENCHMENT CREEK

PLANT TRICKLING FILTERS (SEE PROFILE DWG. D-7)

42" G.V.

EXIST. 2" WATER TO BE REMOVED BETWEEN 22½° BEND & TEMP CONN.

18" DRAIN

CLARIFIER # 1

FLOCCULATION BASIN # 1

2-1½" SAMPLE LINE

SLUDGE PUMP STATION

42" EFFLUENT & DRAIN @ EL. 798.00

CLARIFIER # 2

FLOCCULATION BASIN # 2

42"x24" ECC. REDUCER

1½" GSP SAMPLE LINES (2'-0" MIN. COVER TYP.)

24" RECIRCULATION TO TUNNEL @ 0.10%

24"-90° BEND @ EL. 797.25

TEMP. CONN. TO EXIST. 2" G.S.P. REMOVE & RECONNECT TO 6" WATER WHEN 6" WATER IS PLACED IN SERVICE

1½" POLYMER SOLUTION

4" SLUDGE @ EL. 803.25

8" SLUDGE TO SLUDGE HOLDING TANK (MIN 3'-0" COVER) @ EL. 804.00

RAPID MIX TANK

1½" POST HYDRANT

2" G.S.P. SUMP PUMP DISCHARGE @ EL. 799.0

CHLORINE INJECTOR VAULT

6" DRAIN

36" TO FLOCCULATION BASIN @ EL. 814.25 TYP.

½" POLYMER SOLUTION

8" P.V. W/ V.B.

8" D.I. INV. EL. 801.50

PLUG 1½" POST HYDRANT

DRAINAGE VAULT - SEE DWG. No. 3-P-38

1½" SAMPLE LINES

8" DRAIN @ 0.40%

4" DRAIN @ 2.45% FROM SAMPLERS

15" @ 1.00%

8" DRAIN @ 1.32%

8"x 8"x 4" WYE @ EL. 798.45

SEE DWG. 3-P-6

SEE DWG. 3-P-4

MATCH LINE

© G-1½" POLYMER SOLUTION LINES IN 12" PIPE ENCASEMENT

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
8		TEB	AS BUILT	
7	8/83	TNM	DELETED 24" MOT. BV. (PCO 31)	1
6	8/83	TNM	ADDED DRAIN FOR POLY INJ. VAULT	1
4	8/83	TNM	DELETE 16" SCUM, ADD 8" DRAIN (PCO 29, PCO 7.XX)	1
2	11/82	TPH	DELETE 4" CSO METER VAULT DRAIN	1
1	3/82	HCE	REMOVED SANITARY P.S.	

KEY PLAN

	3-P-8	
3-P-7	3-P-6	
3-P-5	3-P-4	

GEORGIA REGISTERED PROFESSIONAL ENGINEER CHARLES HAMILTON JONES

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

YARD PIPING

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN | DRWN | CHKD | APPROVED | SCALE 1" = 20' | DATE FEB. 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT | DISTRICT | COUNTY

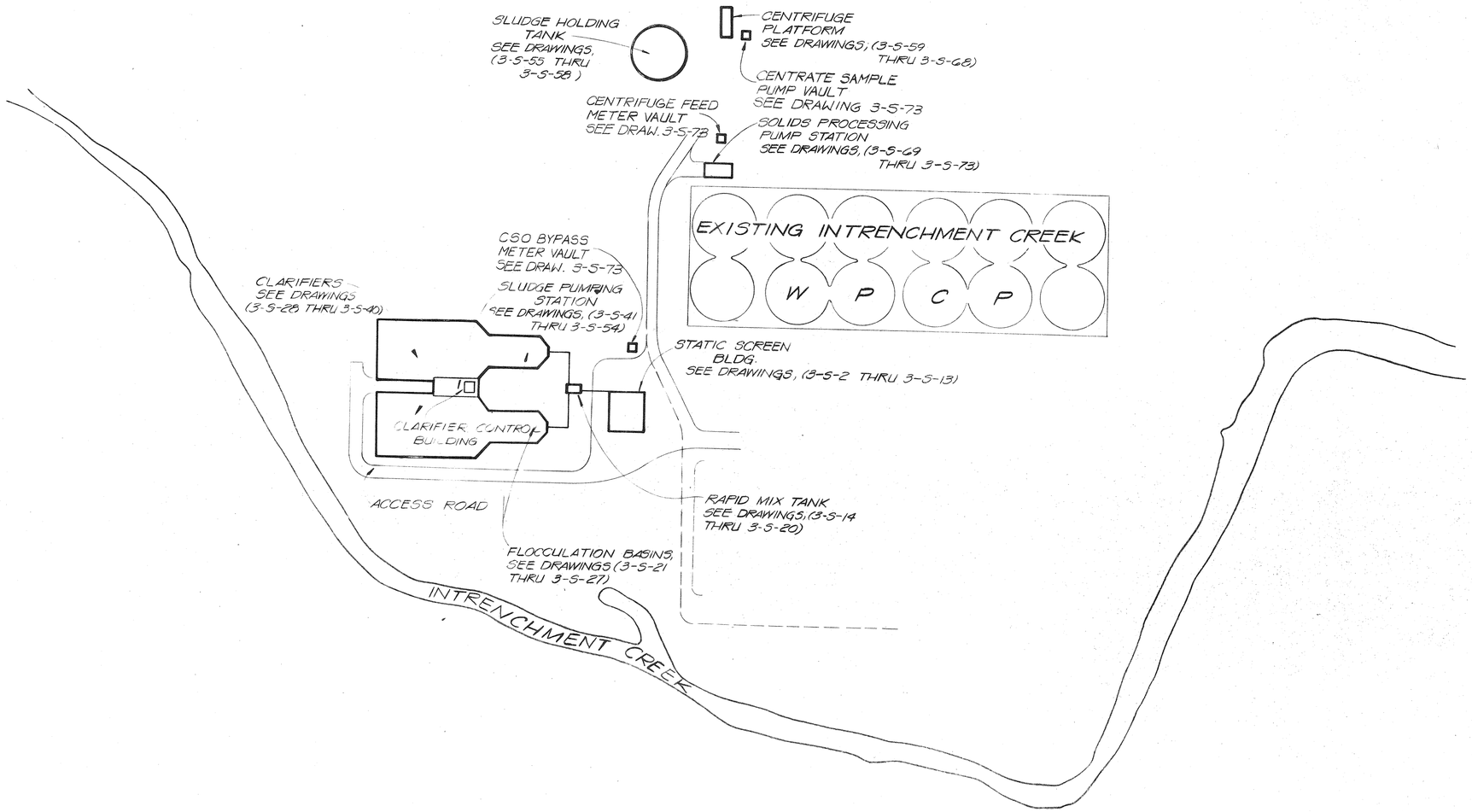
APPROVED

DRAWING NO. 3-P-5

SHEET NUMBER 38 OF 192

3" POLYTRACE 033

AF 14446



NO.	DATE	BY	DESCRIPTION	PLACES
1		TJB	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

GENERAL STRUCTURAL SITE PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN F. F. | DRWN M.C. | CHKD J.B | APPROVED Delon Hampton | SCALE 1"=100' | DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

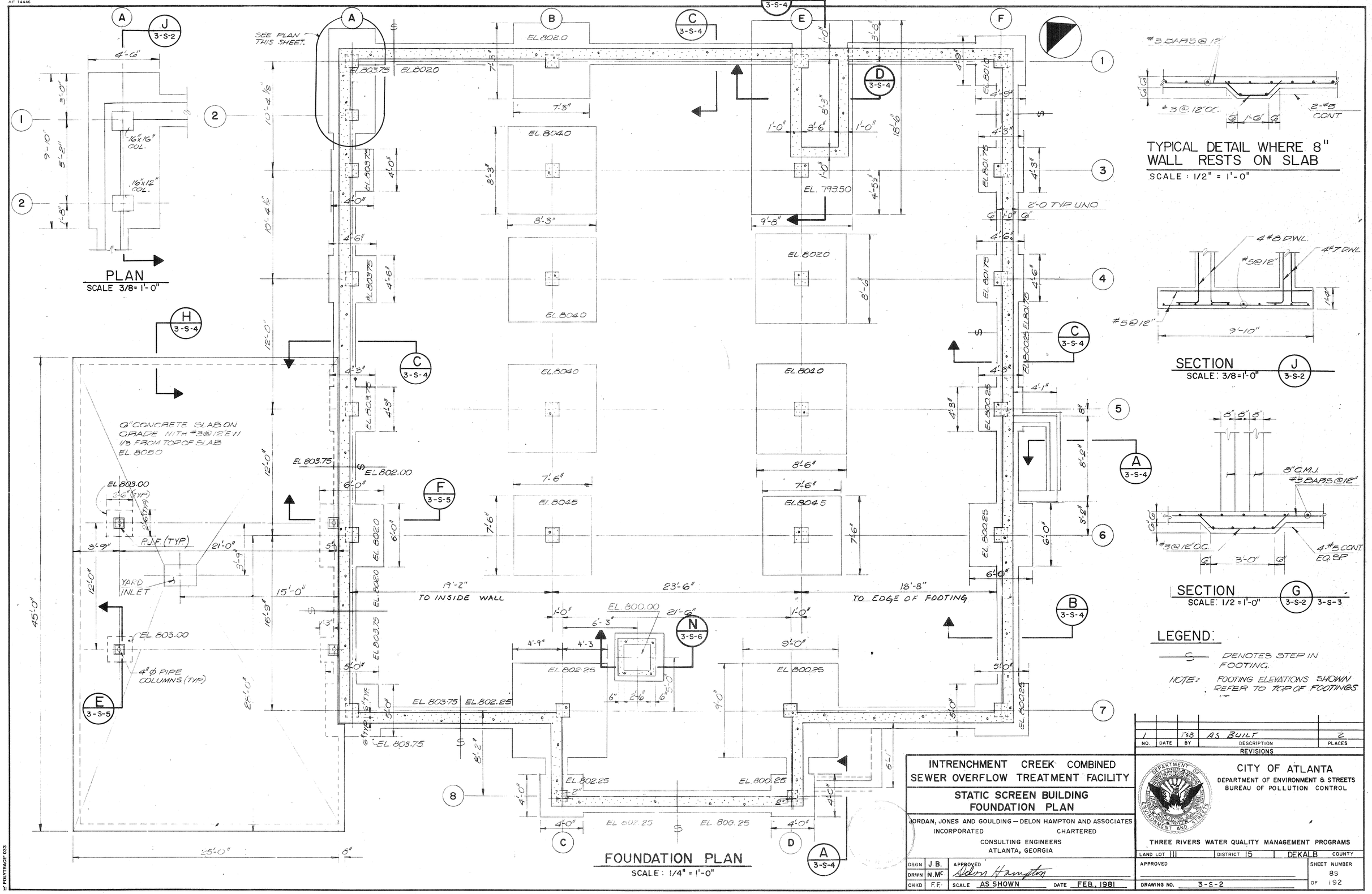
APPROVED

DRAWING NO. 3-S-1

SHEET NUMBER 88 OF 192

POLYTRACE 033

AF 14446



NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
1		J&B	AS BUILT	2

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREEN BUILDING FOUNDATION PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	J.B.	APPROVED	Delon Hampton
DRWN	N.M.C.		
CHKD	F.F.	SCALE AS SHOWN	DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

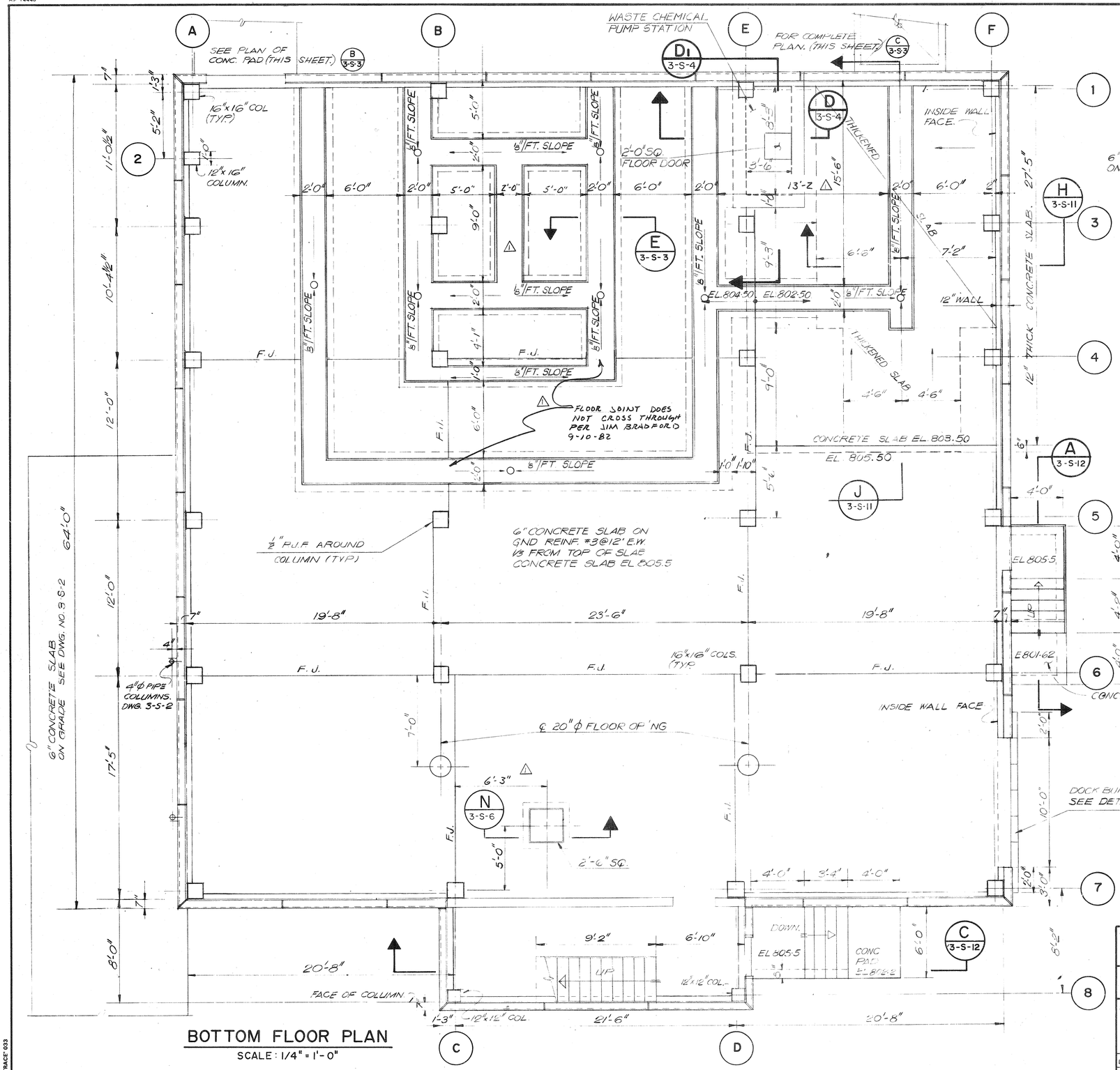
THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111	DISTRICT 15	DEKALB COUNTY	
APPROVED		SHEET NUMBER	89
DRAWING NO. 3-S-2		OF	192

9-23-80

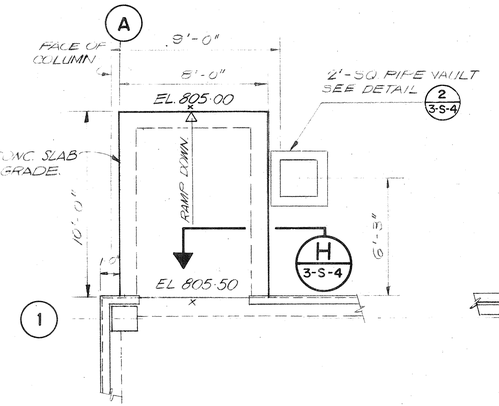
POLYTRACE 033

AF 14446



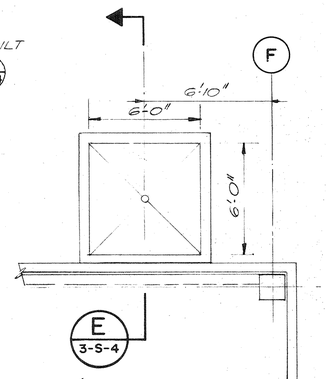
BOTTOM FLOOR PLAN

SCALE: 1/4" = 1'-0"



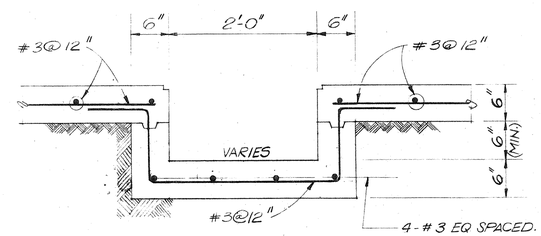
DETAIL B 3-S-3

SCALE: 1/4" = 1'-0"



DETAIL C 3-S-3

SCALE: 1/4" = 1'-0"



SECTION E 3-S-3

SCALE: 1" = 1'-0"

NO	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	4

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREEN BUILDING BOTTOM FLOOR PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	J.B.	APPROVED	Delon Hampton
DRWN	N.MC.	SCALE	1/4"=1'-0"
CHKD	F.F.	DATE	FEB., 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

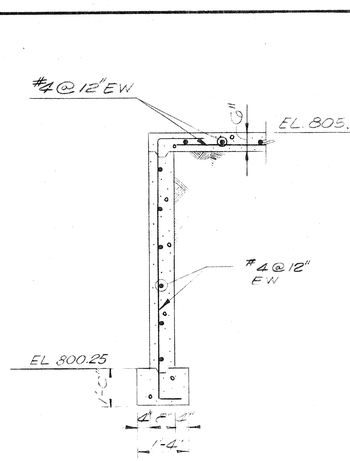
DRAWING NO. 3-S-3

SHEET NUMBER 90 OF 192

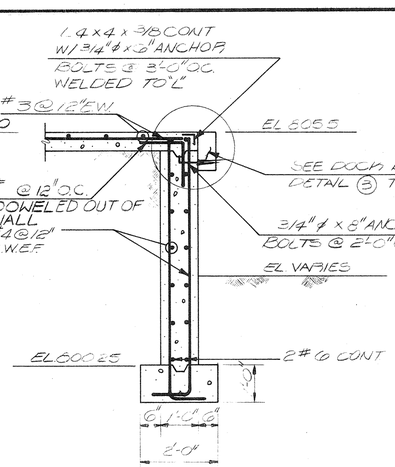
9-23-80

POLYTRACE 033

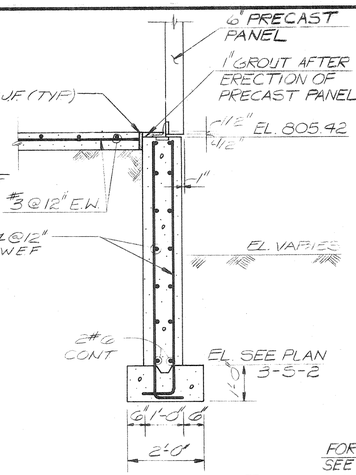
AF 14446



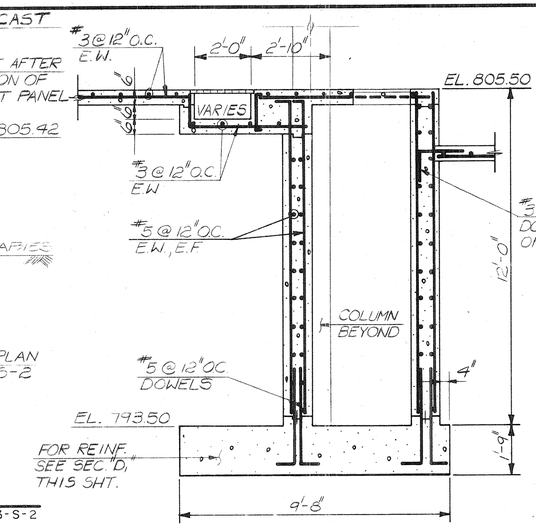
SECTION A
SCALE: 1/2 = 1'-0"
3-S-4 3-S-2



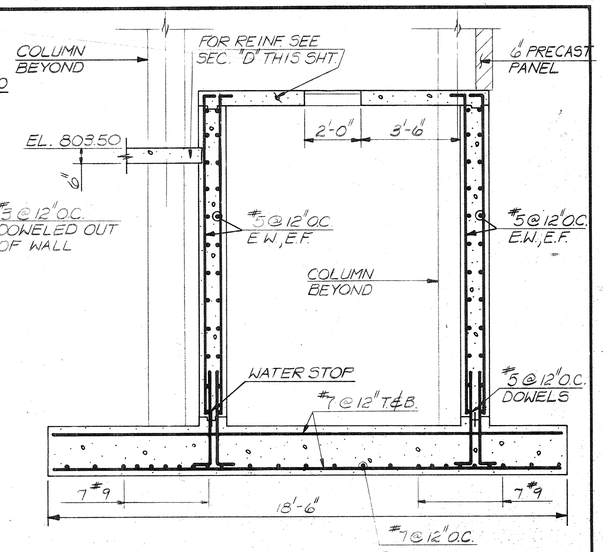
SECTION B
SCALE: 1/2"= 1'-0"
3-S-4 3-S-2



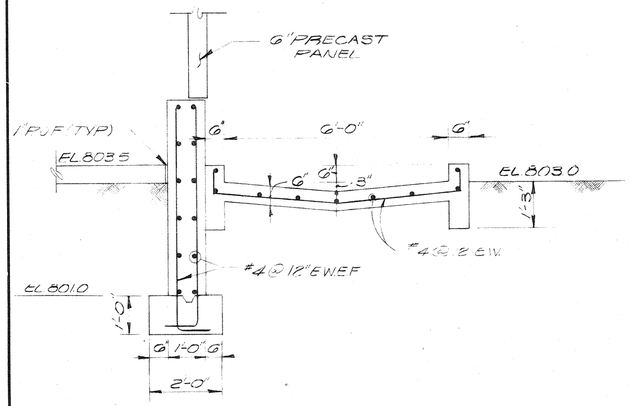
SECTION C
SCALE: 1/2"= 1'-0"
3-S-4 3-S-2



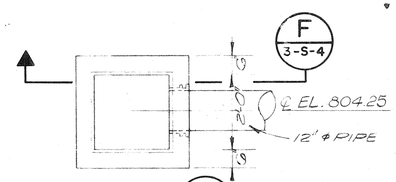
SECTION D
SCALE: 3/8"=1'-0"
3-S-4 3-S-2, 3-S-3



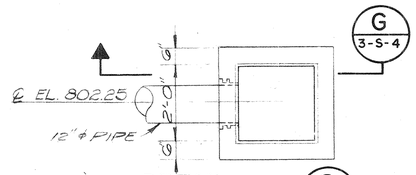
SECTION D1
SCALE: 3/8"=1'-0"
3-S-4 3-S-2, 3-S-3



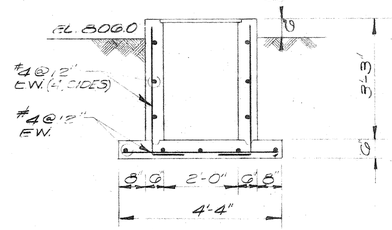
SECTION E
SCALE: 1/2 = 1'-0"
3-S-4 3-S-3



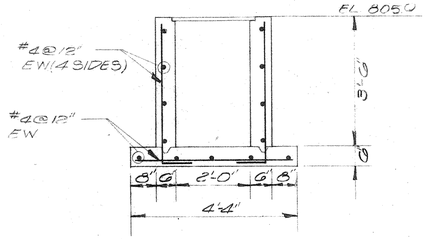
DETAIL 1
SCALE: 1/2"= 1'-0"
3-S-4 3-S-14



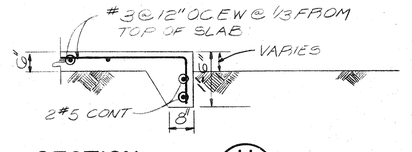
DETAIL 2
SCALE: 1/2"= 1'-0"
3-S-4 3-S-3



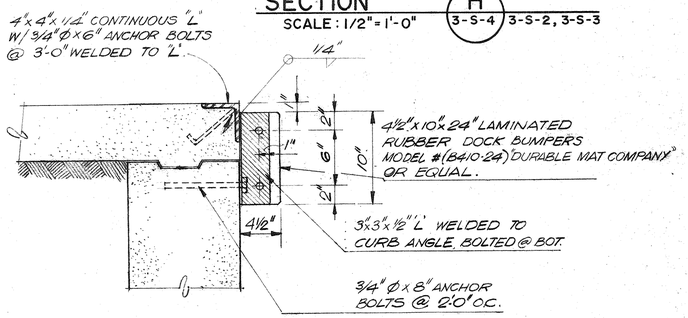
SECTION F
SCALE: 1/2 = 1'-0"
3-S-4



SECTION G
SCALE: 1/2 = 1'-0"
3-S-4



SECTION H
SCALE: 1/2"= 1'-0"
3-S-4 3-S-2, 3-S-3



DETAIL 3
SCALE: 1 1/2"=1'-0"
3-S-4 3-S-3

COLUMN AND FOOTING SCHEDULE

	MARK		A							B					C		D		E				F					
			1	2	3	4	5	6	7	1	3	4	5	6	7	8	7	8	1	3	4	5	6	1	3	4	5	6	7
COLUMNS	ROOF TO TOP FLOOR	SIZE, IN.	16x16	—	—	16x16	—	16x16	16x16	16x16	—	—	—	—	16x16	12x12	16x16	12x12	16x16	—	—	—	—	16x16	—	16x16	—	16x16	16x16
		REINF	4#8	—	—	4#8	—	4#8	4#8	4#8	—	—	—	—	4#8	4#6	4#8	4#6	4#8	—	—	—	—	4#8	—	4#8	—	4#8	4#8
	TOP FLOOR	SIZE, IN.	16x16	16x12	16x16	16x16	16x16	16x16	16x16	16x16	16x16	16x16	16x16	16x16	16x16	12x12	16x16	12x12	16x16	16x16	16x16	16x16	16x16	16x16	16x16	16x16	16x16	16x16	16x16
	FOUNDATION	REINF	4#8	4#7	4#8	4#8	4#8	4#8	4#8	4#8	4#8	4#8	4#8	4#8	4#8	4#6	4#8	4#6	4#8	2#8	4#8	4#8	4#8	4#8	4#8	4#8	4#8	4#8	4#8
FOOTINGS	SIZE		SEE DETAILS 3-S-2.		4'-0"	4'-6"	4'-3"	6'-0"	5'-0"	7'-3"	8'-3"	8'-3"	8'-3"	7'-6"	9'-0"	4'-0"	9'-0"	4'-0"	—	—	8'-6"	8'-6"	7'-6"	4'-9"	4'-3"	4'-6"	4'-3"	6'-0"	5'-0"
	DEPTH				1'-0"	1'-0"	1'-0"	1'-3"	1'-0"	1'-6"	1'-9"	1'-3"	1'-3"	1'-7"	1'-11"	1'-0"	1'-11"	1'-0"	—	—	1'-9"	1'-9"	1'-7"	1'-0"	1'-0"	1'-0"	1'-0"	1'-3"	1'-0"
	REINF E.W.				6#5	5#6	5#6	7#7	7#6	8#8	8#9	8#9	8#9	8#8	9#9	6#5	9#9	6#5	—	—	8#9	8#9	8#8	6#6	5#6	5#6	5#6	7#7	7#6
	NOTES		*	*																									

* INDICATES 7" PROJECTION ON COLUMN AT TROUGH.
SEE SHEETS 3-S-6, 3-S-7, 3-S-9, & 3-10

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
1	T&B	AS BUILT		

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREEN BUILDING SECTIONS AND DETAILS - I

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	A.M.	APPROVED	Delon Hampton
DRWN	W.C.L.		
CHKD	F.F.	SCALE AS SHOWN	DATE FEB., 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

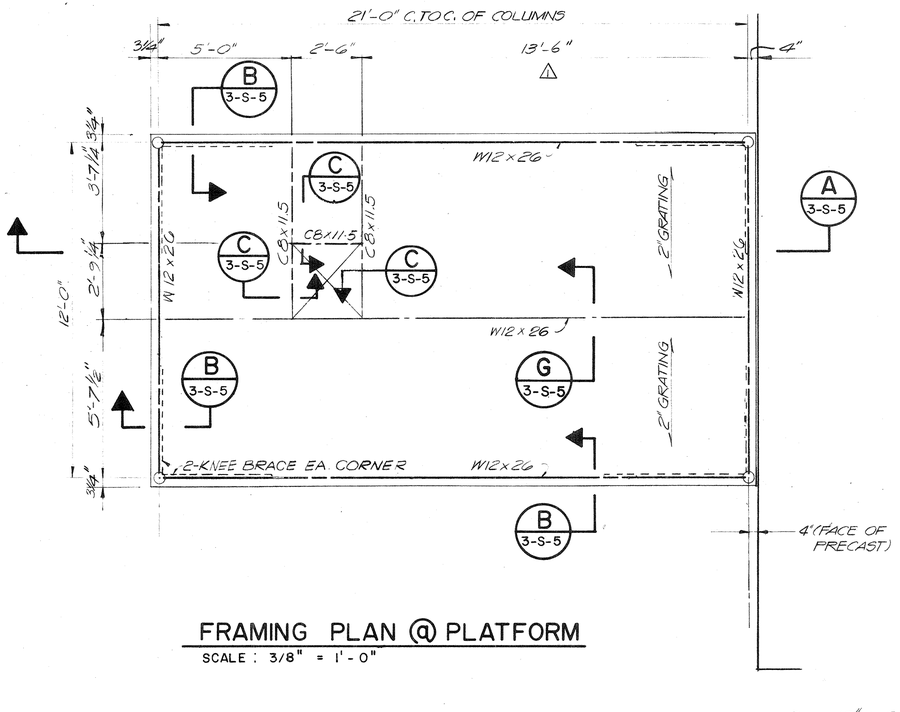
DRAWING NO. 3-S-4

SHEET NUMBER 91 OF 192

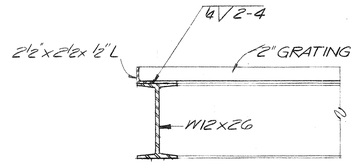
9-23-80

POLYTRACE 033

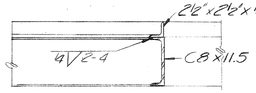
AF 14446



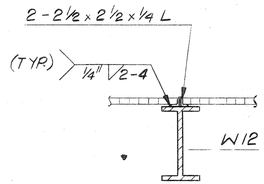
FRAMING PLAN @ PLATFORM
SCALE : 3/8" = 1'-0"



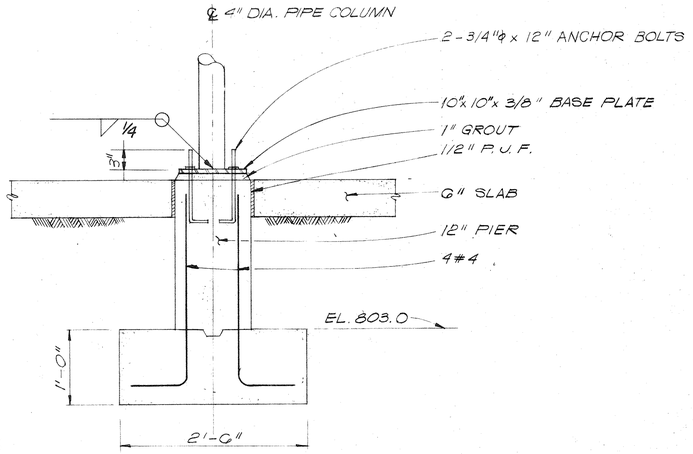
SECTION B 3-S-5
SCALE: 1" = 1'-0"



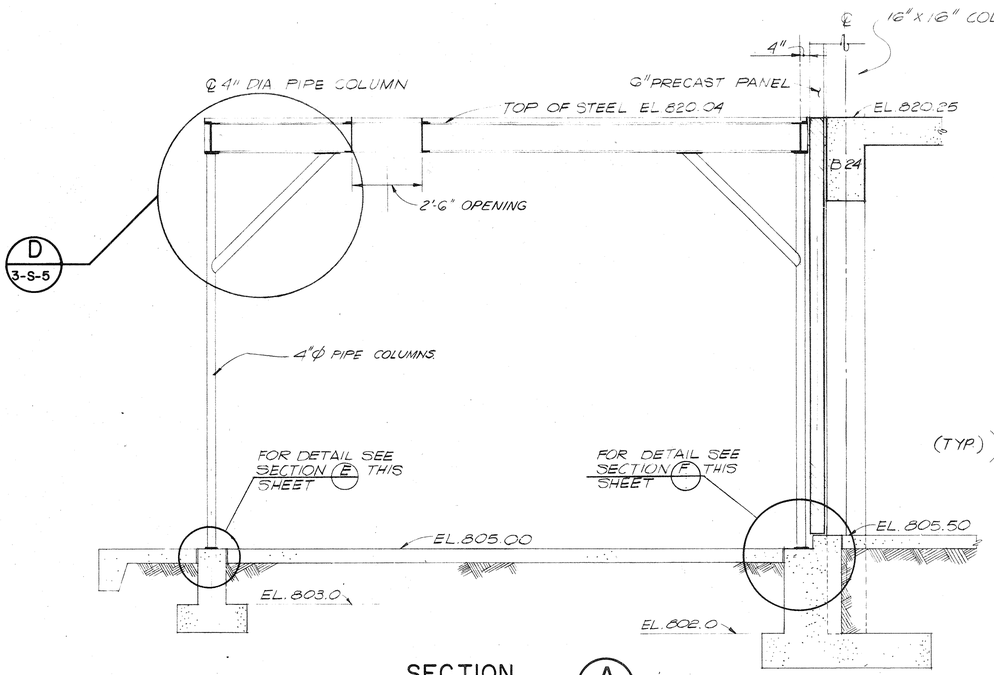
SECTION C 3-S-5
SCALE : 1" = 1'-0"



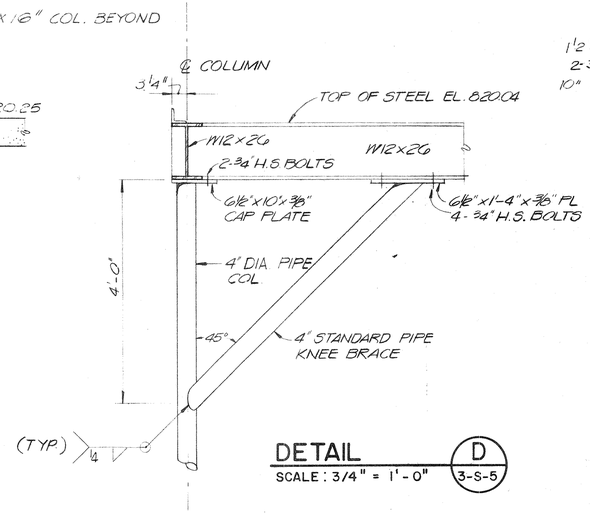
SECTION G 3-S-5
SCALE: 1"=1'-0"



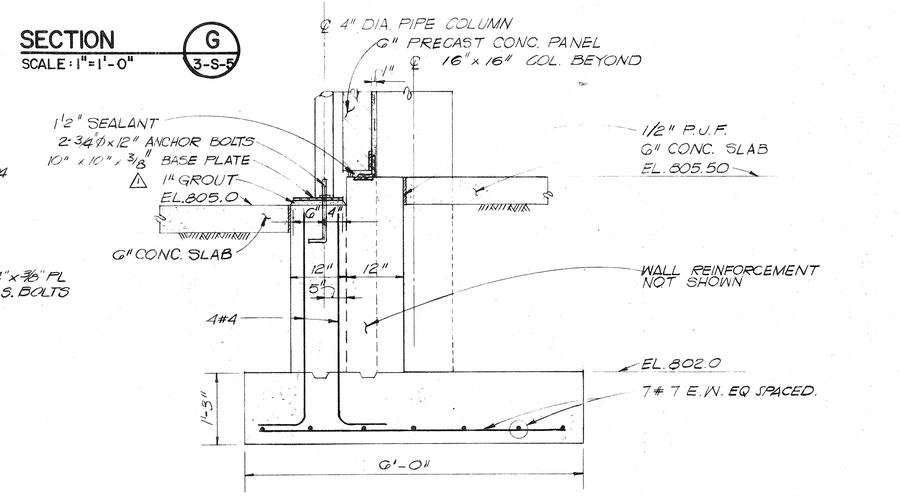
SECTION E 3-S-5 3-S-2
SCALE: 1" = 1'-0"



SECTION A 3-S-5
SCALE : 3/8" = 1'-0"



DETAIL D 3-S-5
SCALE : 3/4" = 1'-0"



SECTION F 3-S-5 3-S-2
SCALE: 3/4" = 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
1		TJB	AS BUILT	2

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREEN BUILDING SECTIONS AND DETAILS - II

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	J.B.	APPROVED	Delon Hampton
DRWN	N.M.C.		
CHKD	F.F.	SCALE	AS SHOWN
		DATE	FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT	111	DISTRICT	15	DEKALB COUNTY

APPROVED

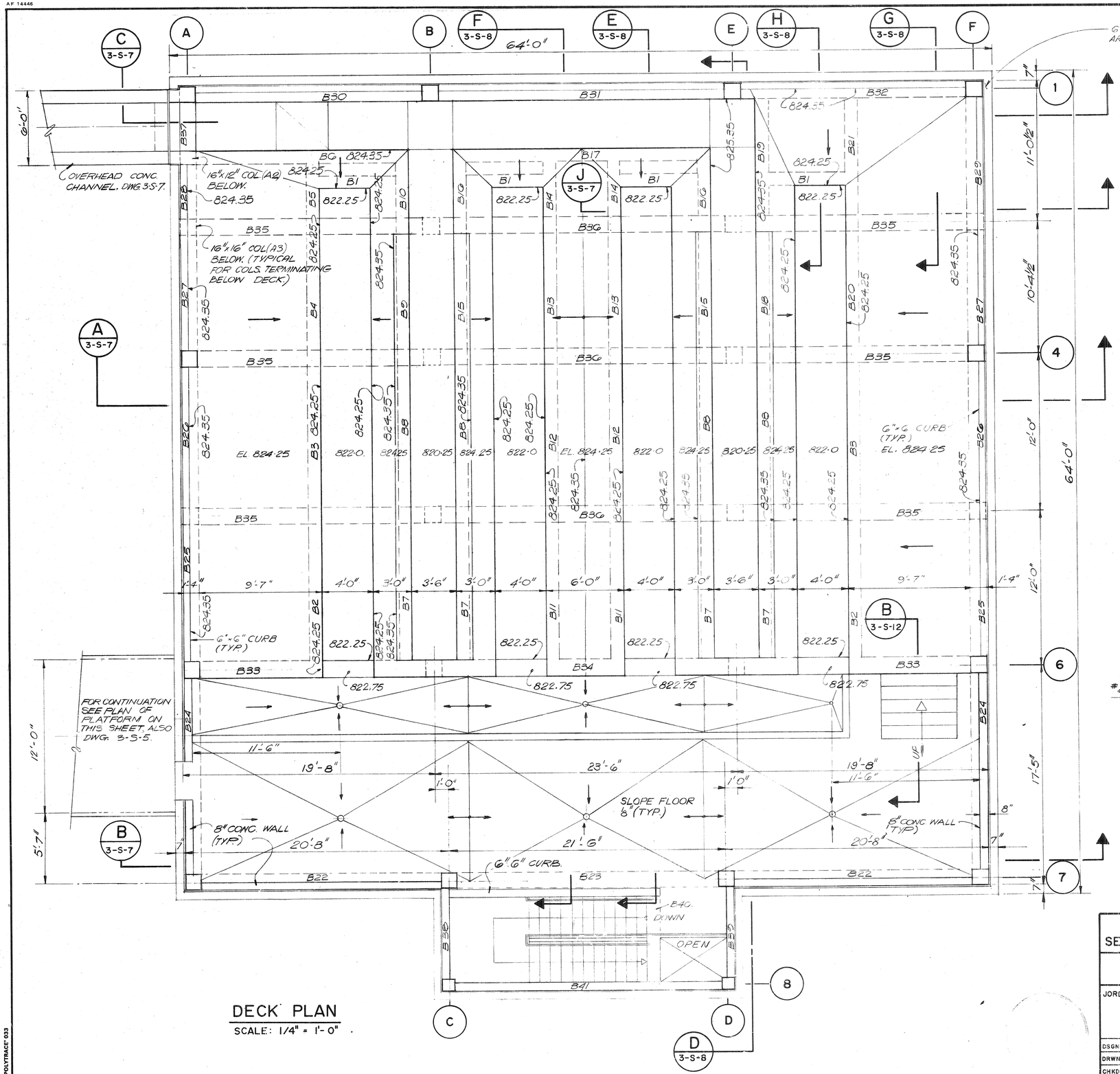
DRAWING NO. 3-S-5

SHEET NUMBER 92 OF 192

9-23-80

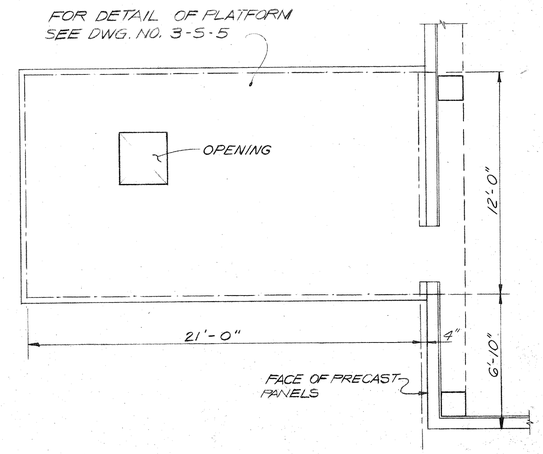
E POLYTRACE 033

AF 14446



DECK PLAN

SCALE: 1/4" = 1'-0"

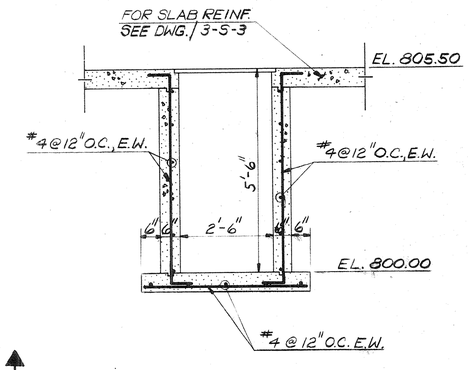


PLAN OF PLATFORM

SCALE: 1/4"=1'-0"

NOTES:

FOR GENERAL REINFORCEMENT SEE DWGS. 3-S-9 THRU 3-S-11.



SECTION

SCALE: 1/2"=1'-0" N 3-S-6

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
1	7/8	AS	BUILT	

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREEN BUILDING DECK PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	J.B.	APPROVED	Delon Hampton
DRWN	N.Mc.	SCALE	1/4" = 1'-0"
CHKD	SYH	DATE	FEB., 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

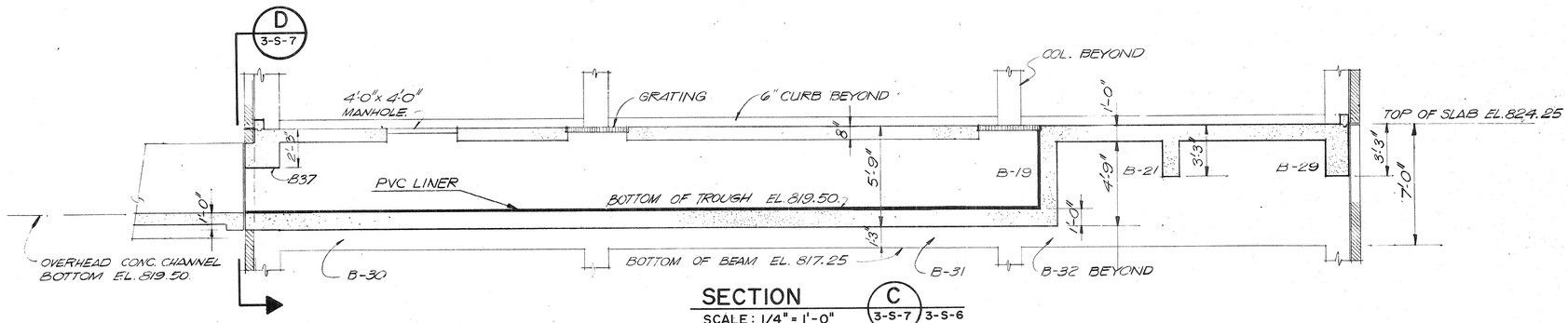
DRAWING NO. 3-S-6

SHEET NUMBER 93 OF 192

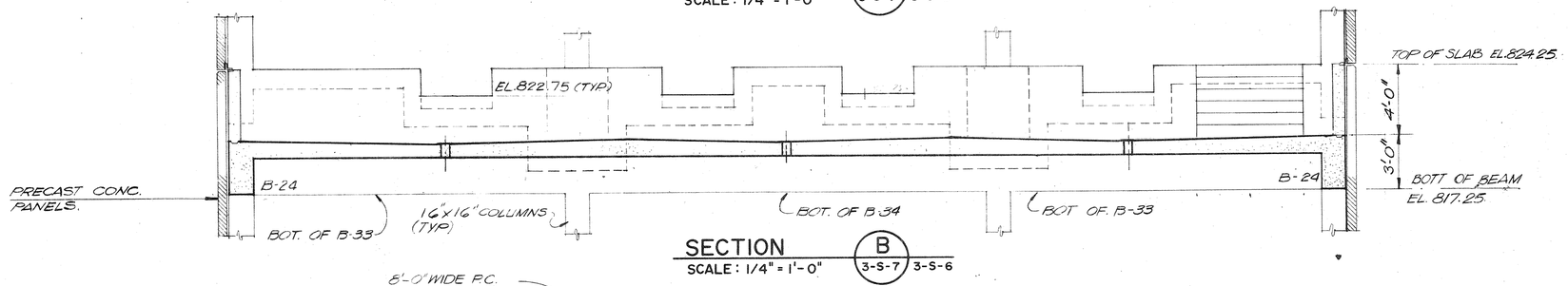
9-23-80

1st POLYTRACE 033

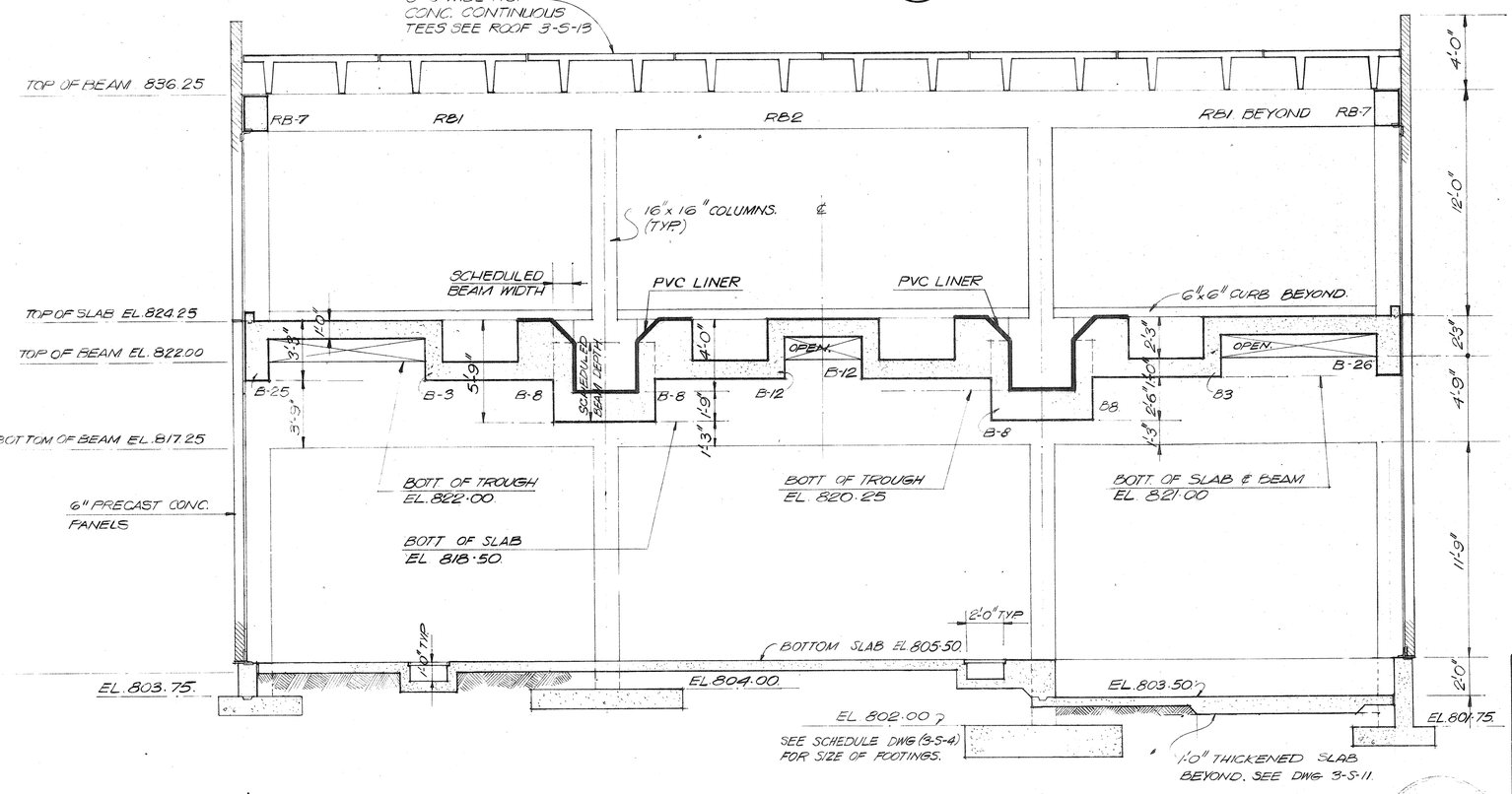
A.F. 14446



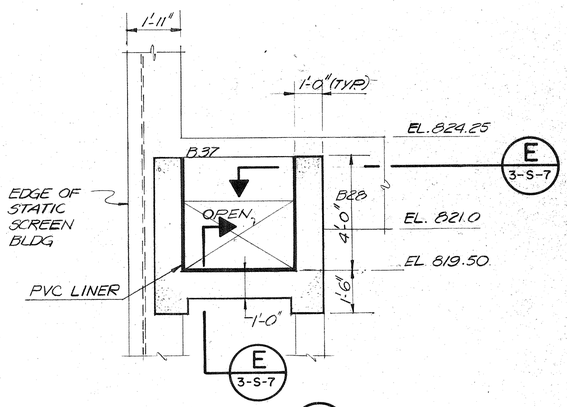
SECTION
SCALE: 1/4" = 1'-0"
C 3-S-7 3-S-6



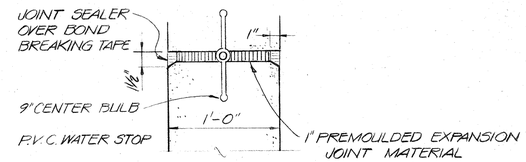
SECTION
SCALE: 1/4" = 1'-0"
B 3-S-7 3-S-6



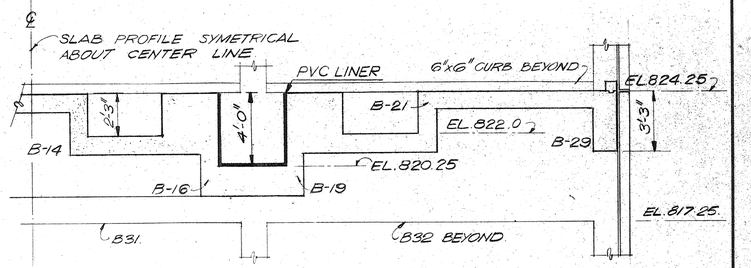
SECTION
SCALE: 1/4" = 1'-0"
A 3-S-7 3-S-6



SECTION
SCALE: 3/8" = 1'-0"
D 3-S-7



SECTION
SCALE: 1 1/2" = 1'-0"
E 3-S-7



SECTION
SCALE: 1/4" = 1'-0"
J 3-S-7 3-S-6

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREEN BUILDING SECTIONS AND DETAILS - III

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

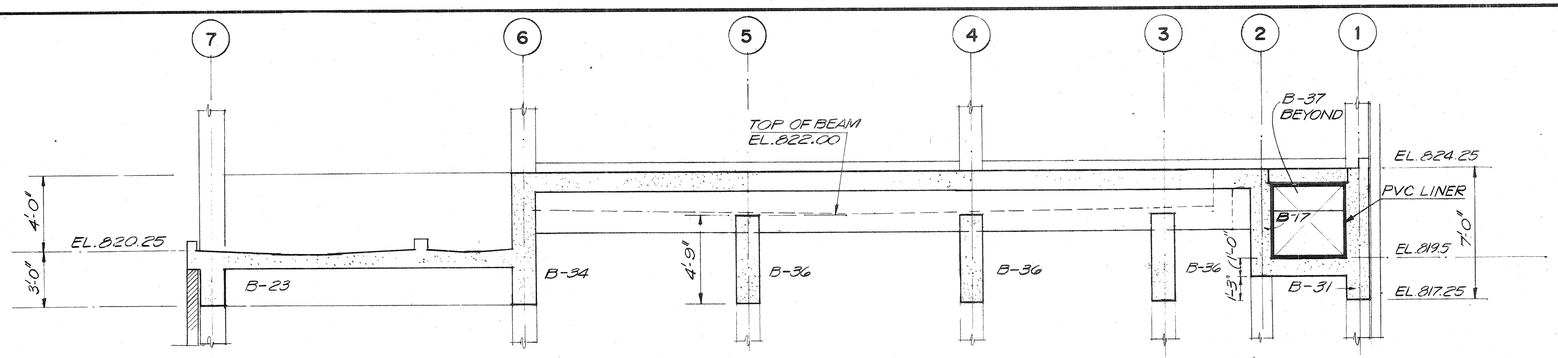
DSGN	J.B.	APPROVED		LAND LOT 111	DISTRICT 15	DEKALB COUNTY
DRWN	N.MC.			APPROVED		SHEET NUMBER 94
CHKD	SYH	SCALE AS SHOWN	DATE FEB., 1981	DRAWING NO. 3-S-7		OF 192

9-11-80

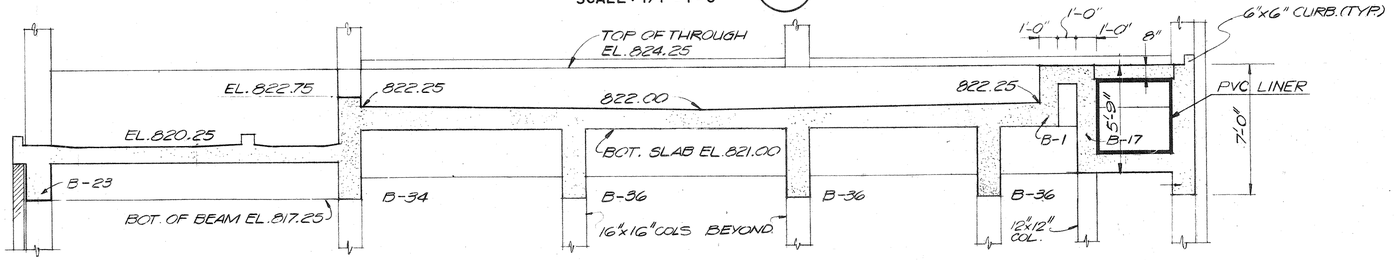
8-27-80

MYLAR POLYTRACE 033

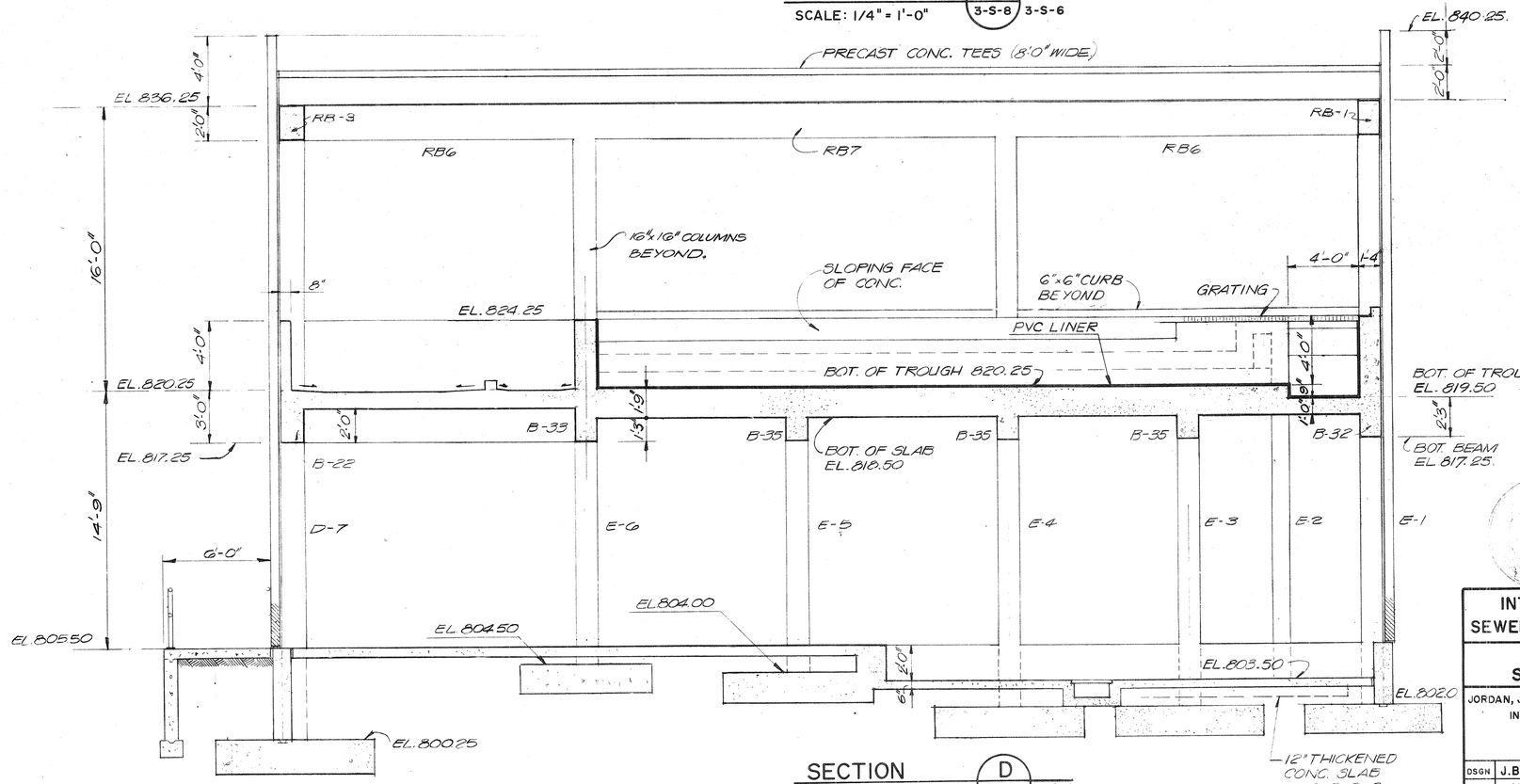
AF 14446



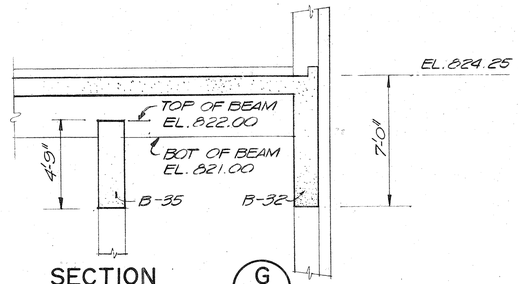
SECTION F
SCALE: 1/4" = 1'-0" 3-S-8 3-S-6



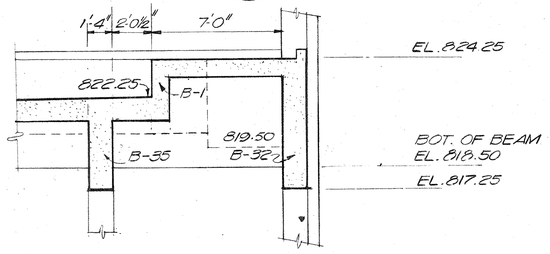
SECTION E
SCALE: 1/4" = 1'-0" 3-S-8 3-S-6



SECTION D
SCALE: 1/4" = 1'-0" 3-S-8 3-S-6



SECTION G
SCALE: 1/4" = 1'-0" 3-S-8 3-S-6



SECTION H
SCALE: 1/4" = 1'-0" 3-S-8 3-S-6

NOTE:

1) ALL PRECAST CONCRETE PANEL CONNECTIONS SHALL BE DESIGNED FOR THE FOLLOWING UNIFORMLY DISTRIBUTED LOAD BY THE PRECAST PANEL MANUFACTURER.

LEVEL	LOAD
EL. 805.5 - EL. 824.25	1.4 KIPS/Ft.
EL. 824.25 - EL. 836.25	1.2 KIPS/Ft.
EL. 836.25 - EL. 840.25	1.0 KIPS/Ft.

2) FOR SIZE OF WELD PLATES AND WELD PLATE ANCHOR IN THE PRECAST CONCRETE PANEL CONNECTION SEE STANDARD STRUCTURAL NOTE DWG. 3-S-7G.

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREEN BUILDING SECTIONS AND DETAILS IV

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	J.B.	APPROVED	Delon Hampton
DRWN	N. Mc.	SCALE	1/4" = 1'-0"
CHKD	SYH	DATE	FEB. 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

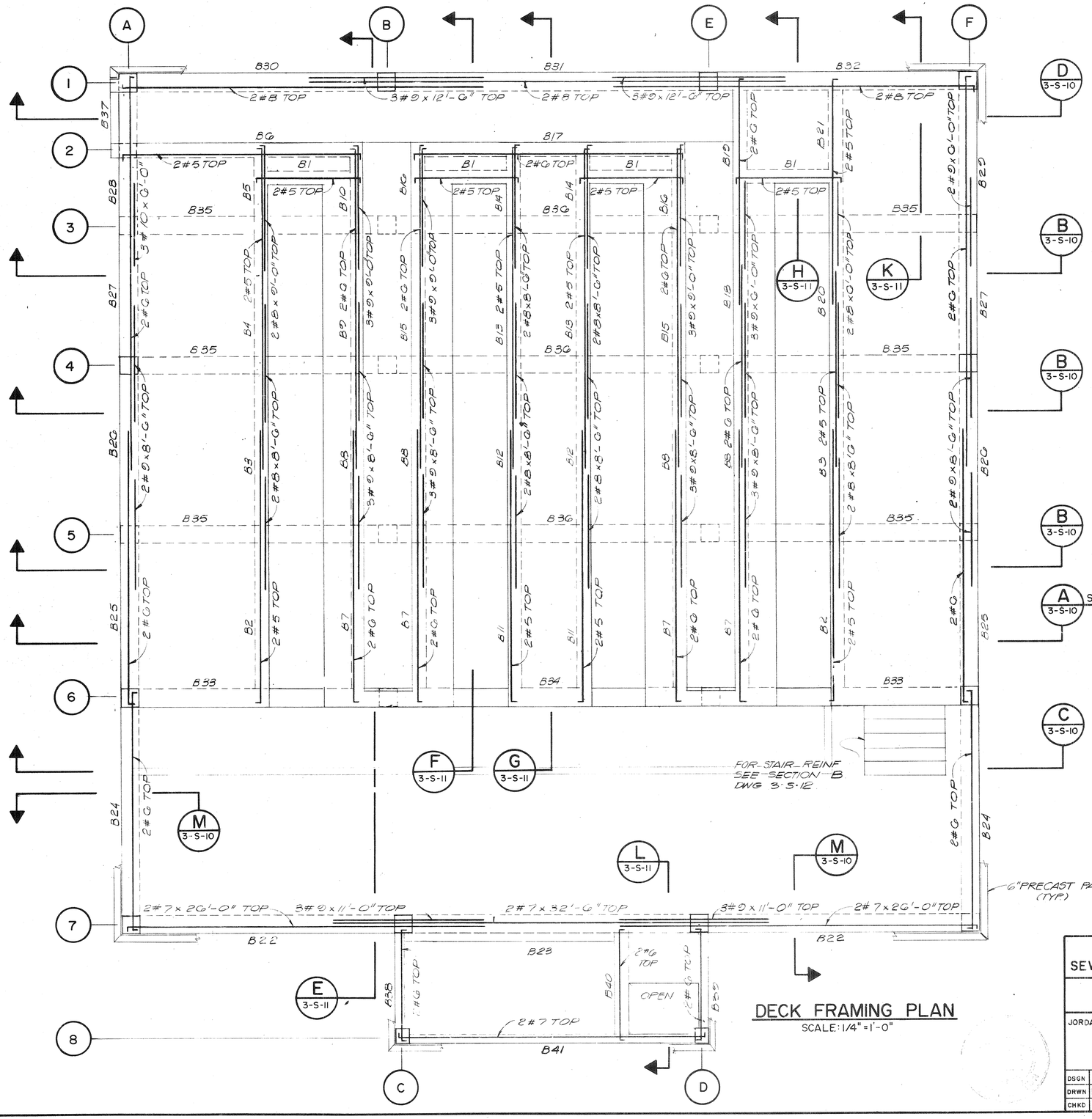
DRAWING NO. 3-S-8

SHEET NUMBER 95 OF 192

9 23 80

POLYTRACE 033

AF 14446



DECK FRAMING PLAN

SCALE: 1/4" = 1'-0"

SCHEDULE OF FLOOR BEAMS

MARK NO.	SIZE	REINFORCING STR. BARS	STIRRUPS SPACING @ EA. END
B1	12"x39"	3#8	#3 HOOPS: 1@4" REM. @ 8" O.C.
B2	12"x39"	3#8	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B3	12"x39"	3#8	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B4	12"x39"	3#8	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B5	12"x39"	3#8	#3 HOOPS: 1@4", REM. @ 8" O.C.
B6	12"x69"	4#9	#3 HOOPS: 1@4", 3@8", REM. @16" O.C.
B7	12"x54"	4#9	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B8	12"x54"	4#9	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B9	12"x54"	4#9	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B10	12"x69"	4#9	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B11	12"x39"	3#8	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B12	12"x39"	3#8	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B13	12"x39"	3#8	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B14	12"x39"	3#8	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B15	12"x54"	4#9	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B16	12"x69"	4#9	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B17	12"x69"	4#9	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B18	12"x54"	4#9	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B19	12"x69"	4#9	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B20	12"x39"	3#8	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B21	12"x39"	3#8	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B22	16"x36"	4#9	#3 DBL. HOOPS: 1@3, 8@6, REM. @12" O.C.
B23	16"x36"	3#9	#3 DBL. HOOPS: 1@4, 6@8", REM. @12" O.C.
B24	16"x36"	3#9	#3 HOOPS: 1@4", 2@8", REM. @12" O.C.
B25	16"x39"	3#9	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B26	16"x39"	3#9	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B27	16"x39"	3#9	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B28	16"x39"	3#9	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B29	16"x39"	3#9	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B30	16"x84"	4#11	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B31	16"x84"	4#11	#3 HOOPS: 1@4", 2@8", REM @16" O.C.
B32	16"x84"	4#11	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B33	16"x 39/84"	SEE BEAM REINFORCEMENT (C) 3-S-10	
B34	16"x 69/84"	SEE BEAM REINFORCEMENT (C) 3-S-10	
B35	16"x 39/57"	SEE BEAM REINFORCEMENT (B) 3-S-10	
B36	16"x 39/57"	SEE BEAM REINFORCEMENT (B) 3-S-10	
B37	16"/23", 19/57"	3#8	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B38	8"x48"	2#9	#3 HOOPS: 1@4", 2@8", REM @16" O.C.
B39	8"x66"	2#10	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.
B40	12"x16"	2#7	#3 HOOPS: 1@4", 3@8" O.C.
B41	8"x76"	2#11	#3 HOOPS: 1@4", 2@8", REM. @16" O.C.

NOTES:

1.) TOP REINFORCING SHOWN ON PLAN AND SECTIONS.

2) FOR BEAM DEPTHS LISTED BELOW, UNLESS OTHERWISE SHOWN, PROVIDE SPECIFIED REINFORCING ON EACH SIDE OF BEAM EQUALLY SPACED FROM TOP TO BOTTOM.

BEAM DEPTH	REINF. EA. SIDE
16" THRU 27"	1#5
36" THRU 39"	2#5
48" THRU 57"	3#5
66" THRU 84"	5#5

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
1		7/8	AS BUILT	

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREEN BUILDING DECK FRAMING PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN J.B. DRWN N.MC. CHKD SYH

APPROVED Delon Hampton

SCALE 1/4"=1'-0" DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 DISTRICT 15 DEKALB COUNTY

APPROVED

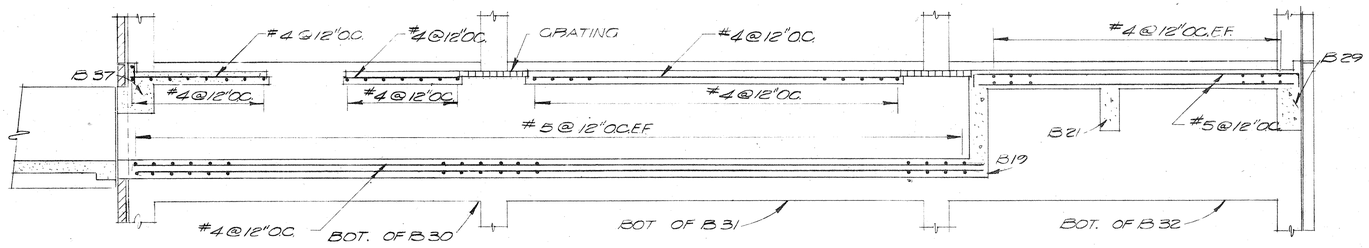
DRAWING NO. 3-S-9

SHEET NUMBER 96 OF 192

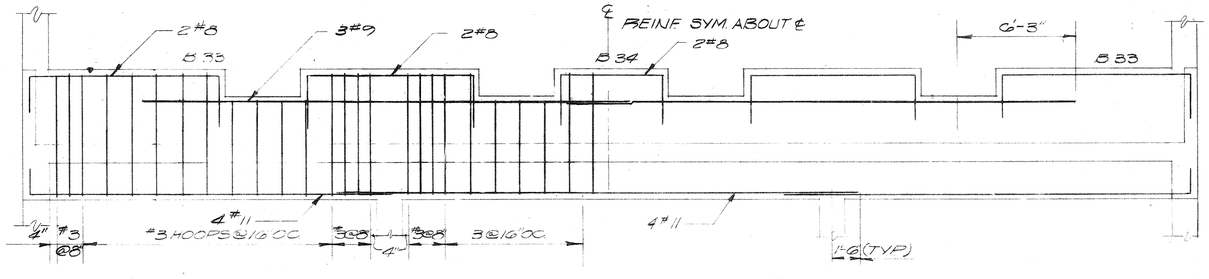
9-23-80

POLYTRACE 033

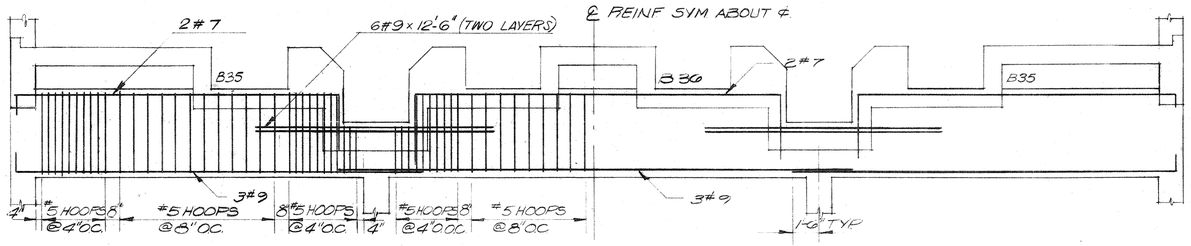
A.F. 14446



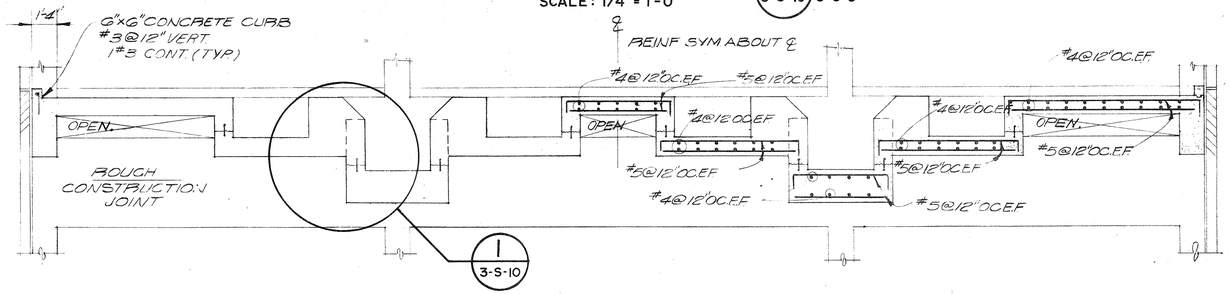
SLAB REINFORCEMENT (D)
SCALE : 1/4"=1'-0"
3-S-10 3-S-9



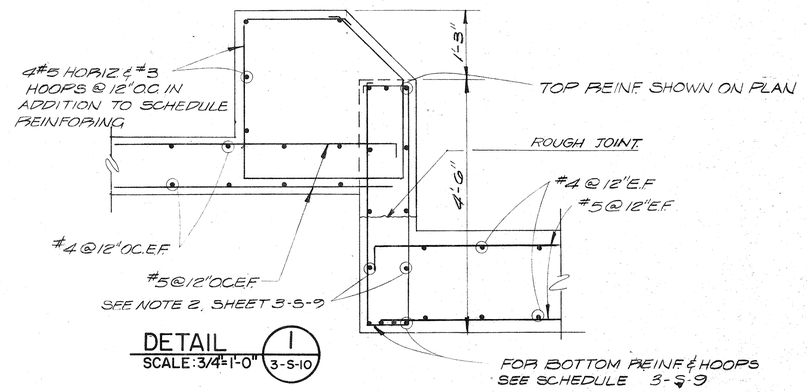
BEAM REINFORCEMENT (C)
SCALE : 1/4"=1'-0"
3-S-10 3-S-9



BEAM REINFORCEMENT (B)
SCALE : 1/4"=1'-0"
3-S-10 3-S-9



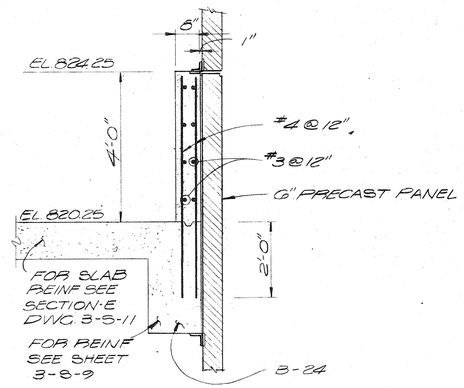
SLAB REINFORCEMENT (A)
SCALE : 1/4"=1'-0"
3-S-10 3-S-9



DETAIL (1)
SCALE: 3/4"=1'-0"
3-S-10

NOTE:

SEE SCHEDULE & PLAN (DWG. 3-S-9) FOR BEAM SIZE & REINFORCING.



SECTION (M)
SCALE: 1/2"=1'-0"
3-S-10 3-S-9

NO.	DATE	BY	DESCRIPTION	PLACES
1		7/8	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREEN BUILDING SECTIONS AND DETAILS - V

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	J.B.	APPROVED	Delon Hampton
DRWN	W.C.L.		
CHKD	F.F.	SCALE AS SHOWN	DATE FEB., 1981

LAND LOT 111 DISTRICT 15 DEKALB COUNTY

APPROVED

DRAWING NO. 3-S-10

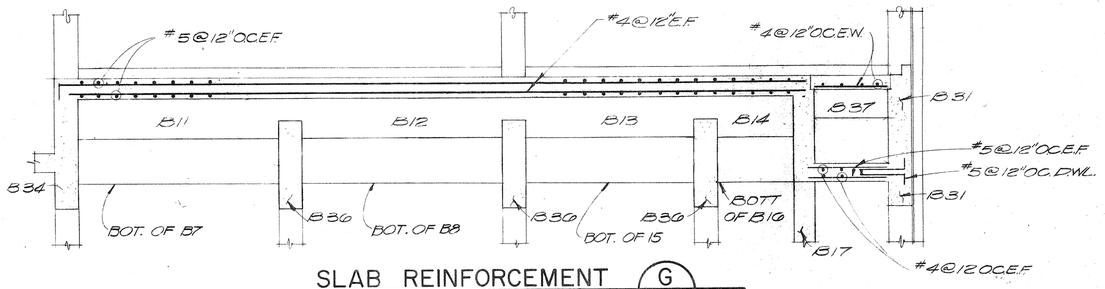
SHEET NUMBER 97 OF 192

9-23-80

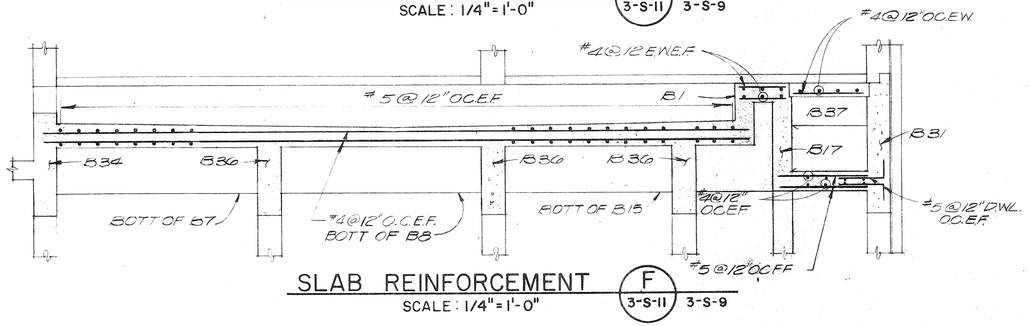
POLYTRACE 033

AF 14446

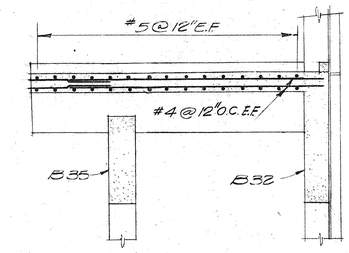
NOTE: SEE SCHEDULE & PLAN (DWG. 3-S-9) FOR BEAM SIZE & REINFORCING.



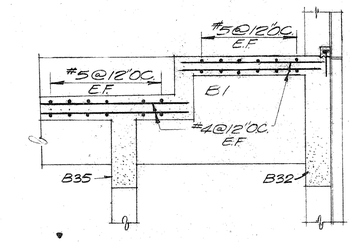
SLAB REINFORCEMENT (G) 3-S-11 3-S-9
SCALE: 1/4"=1'-0"



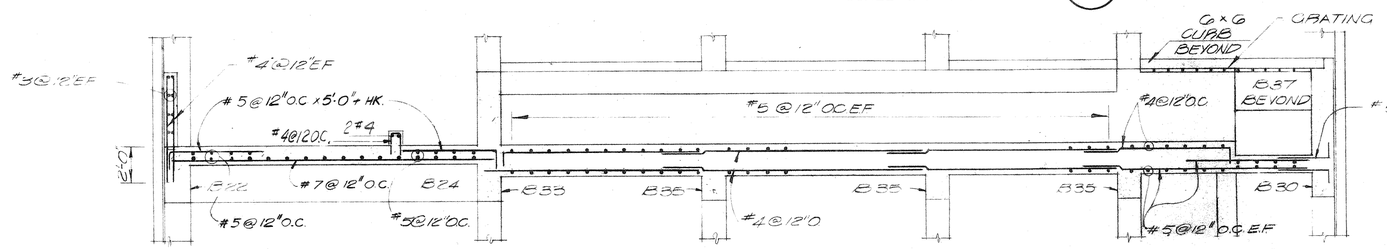
SLAB REINFORCEMENT (F) 3-S-11 3-S-9
SCALE: 1/4"=1'-0"



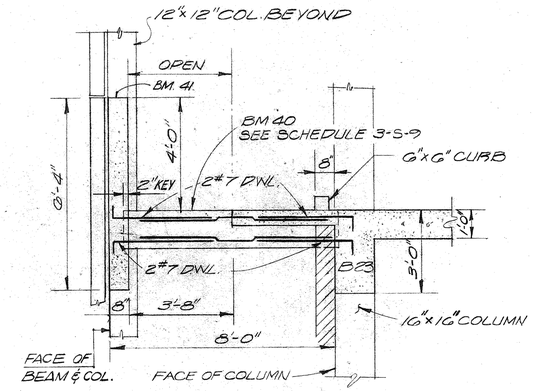
SLAB REINFORCEMENT (K) 3-S-11 3-S-9
SCALE: 1/4"=1'-0"



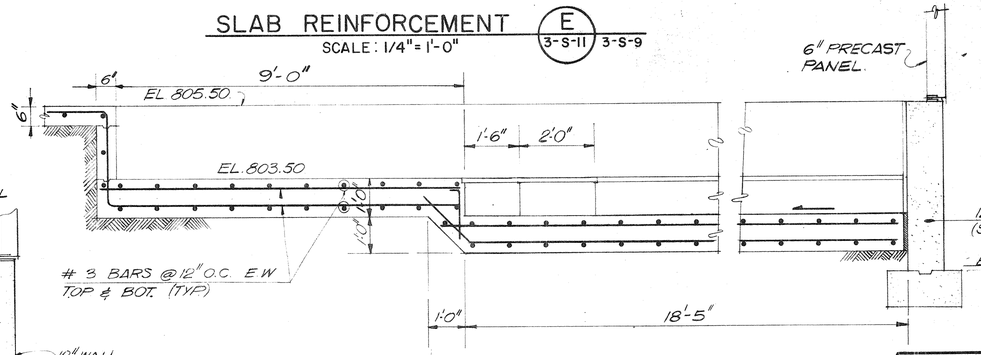
SLAB REINFORCEMENT (H) 3-S-11 3-S-9
SCALE: 1/4"=1'-0"



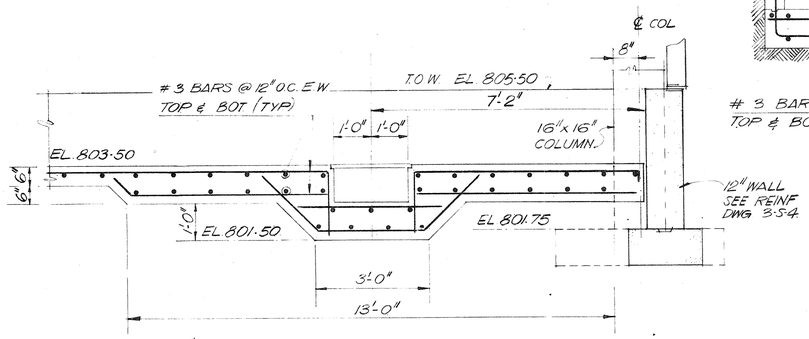
SLAB REINFORCEMENT (E) 3-S-11 3-S-9
SCALE: 1/4"=1'-0"



SECTION (L) 3-S-11 3-S-9
SCALE: 3/8"=1'-0"



SECTION (J) 3-S-11 3-S-3
SCALE: 1/2"=1'-0"



SECTION (H) 3-S-11 3-S-3
SCALE: 1/2"=1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
1		T.F.B.	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREEN BUILDING SECTIONS AND DETAILS - VI

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	J.B.	APPROVED	Delon Hampton
DRWN	W.C.L.		
CHKD	F.F.	SCALE AS SHOWN	DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT	DISTRICT	COUNTY
111	15	DEKALB

APPROVED

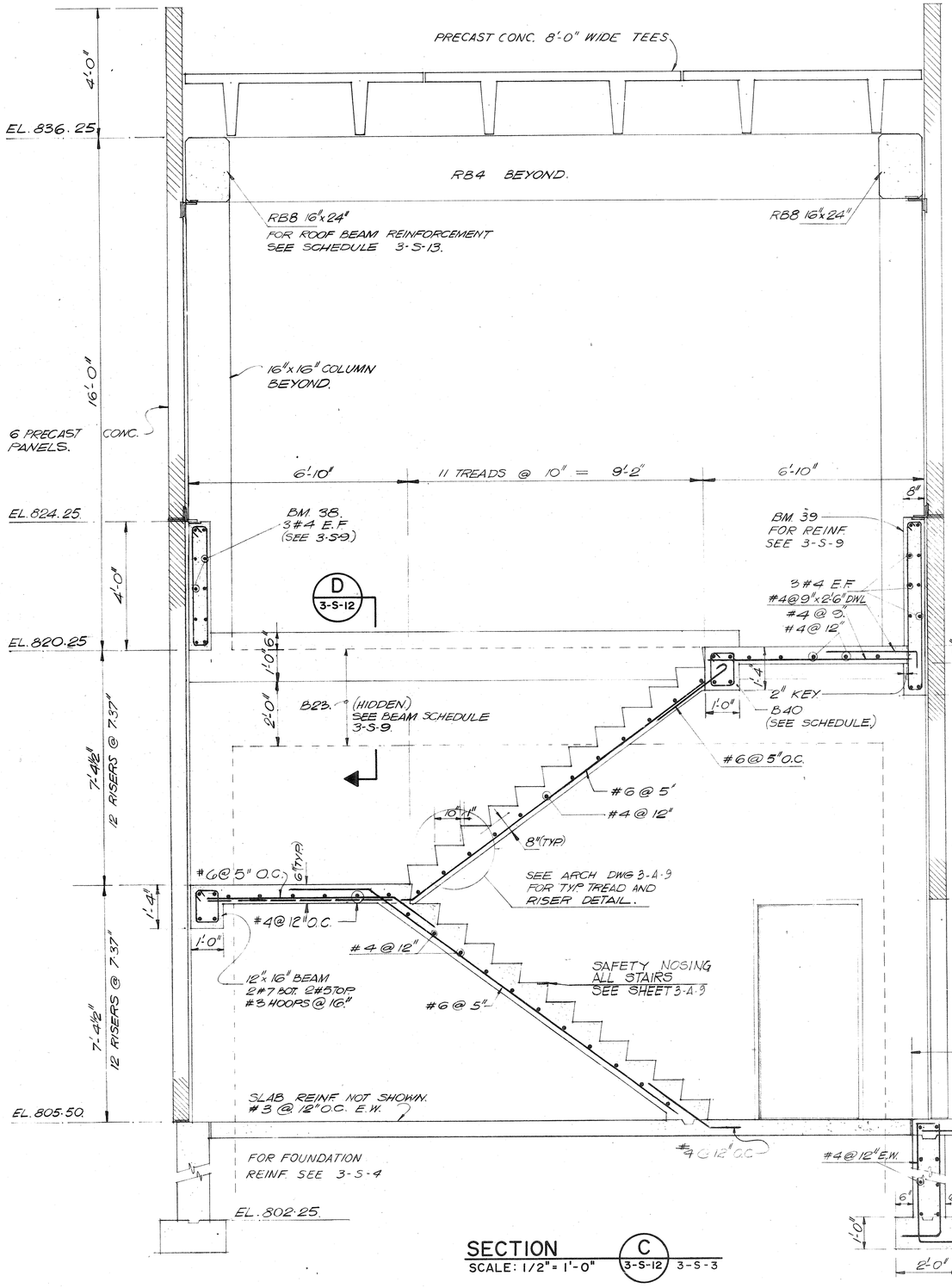
DRAWING NO. 3-S-11

SHEET NUMBER 98 OF 192

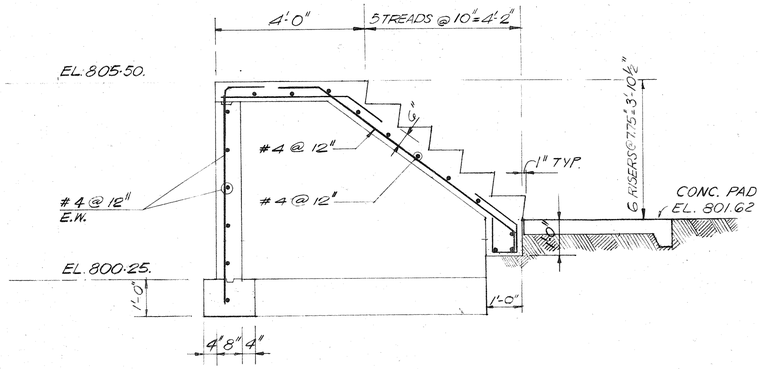
10-74

POLYTRACE 033

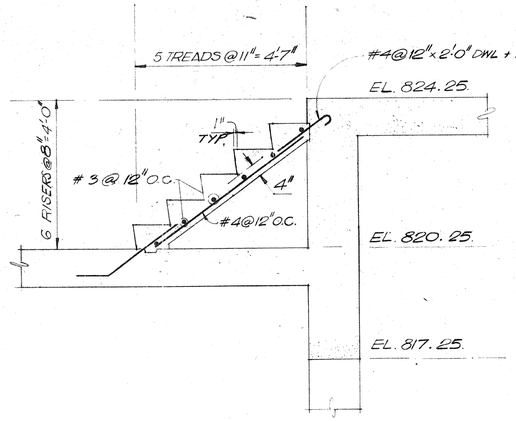
AF 14446



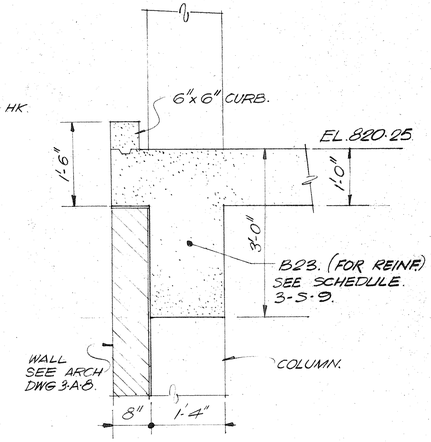
SECTION C
SCALE: 1/2" = 1'-0" (3-S-12) 3-S-3



SECTION A
SCALE: 1/2" = 1'-0" (3-S-12) 3-S-3



SECTION B
SCALE: 1/2" = 1'-0" (3-S-12) 3-S-6



SECTION D
SCALE: 3/4" = 1'-0" (3-S-12)

NO.	DATE	BY	REVISIONS DESCRIPTION	PLACES
1		T&B	AS BUILT	

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREEN BUILDING SECTIONS AND DETAILS - VII

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	J.B.	APPROVED	Delon Hampton
DRWN	N.Mc.		
CHKD	F.F.	SCALE AS SHOWN	DATE FEB. 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

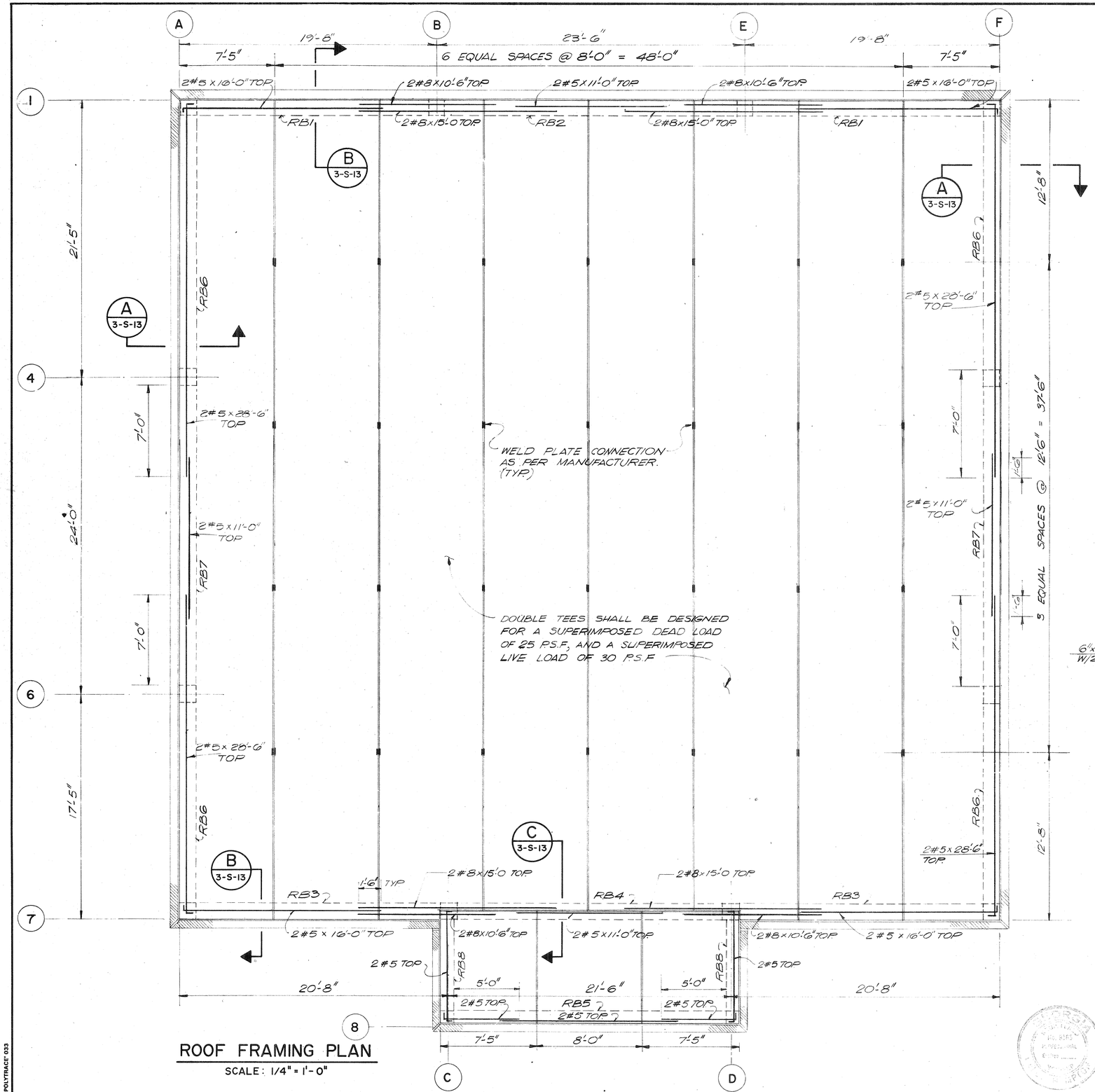
THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111	DISTRICT 15	DEKALB COUNTY
APPROVED		SHEET NUMBER 99 OF 192
DRAWING NO. 3-S-12		

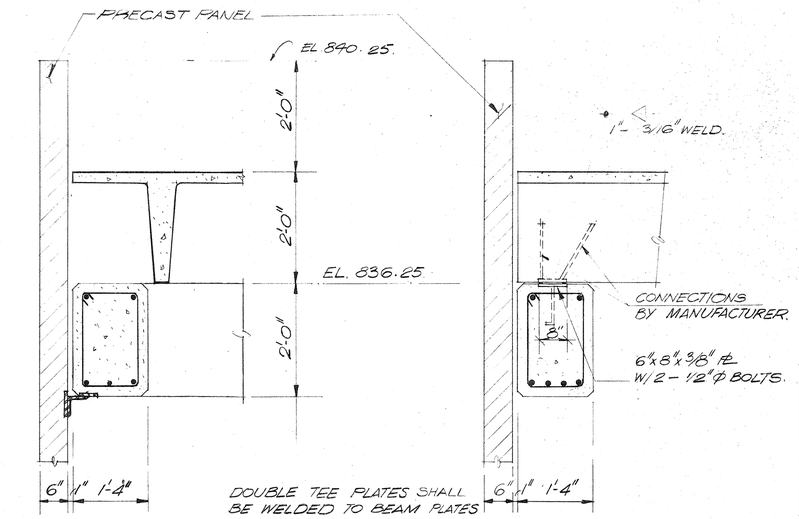
9-23-80

© POLYTRACE 033

AF 14446

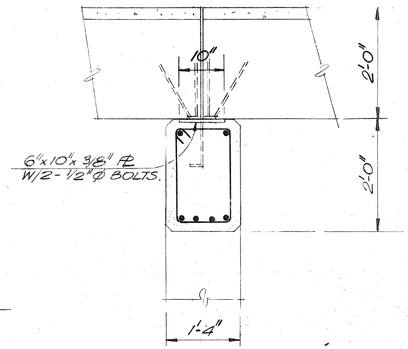


ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"



SECTION A
SCALE: 3/4" = 1'-0" (A 3-S-13)

SECTION B
SCALE: 3/4" = 1'-0" (B 3-S-13)



SECTION C
SCALE: 3/4" = 1'-0" (C 3-S-13)

SCHEDULE OF ROOF BEAMS

MARK NO.	SIZE	REINFORCING STR. BARS	STIRRUPS SPACING @ EA. END.
RB1	16"x24"	4 # 8	#4 HOOPS. 1@4", 4@9", REM @ 16"
RB2	16"x24"	4 # 8	#4 HOOPS 1@4", 4@9" REM @ 16"
RB3	16"x24"	4 # 9	#4 HOOPS 1@4", 4@9" REM @ 16"
RB4	16"x24"	2 # 8	# 3 HOOPS 1@4" REM. @ 16"
RB5	16"x24"	3 # 7	# 3 HOOPS 1@4" REM @ 16"
RB6	16"x24"	3 # 7	#3 HOOPS 1@4" REM @ 16"
RB7	16"x24"	3 # 7	#3 HOOPS 1@4" REM @ 16"
RB8	16"x24"	3 # 7	# 3 HOOPS 1@4" REM @ 16"

NOTE: TOP BARS SHOWN ON PLAN

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

STATIC SCREEN BUILDING
ROOF FRAMING PLAN & DETAILS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	A.M.	APPROVED	Delon Hampton
DRWN	N.M.C.		
CHKD	J.B.	SCALE AS SHOWN	DATE FEB., 1981

LAND LOT 111 DISTRICT 15 DEKALB COUNTY

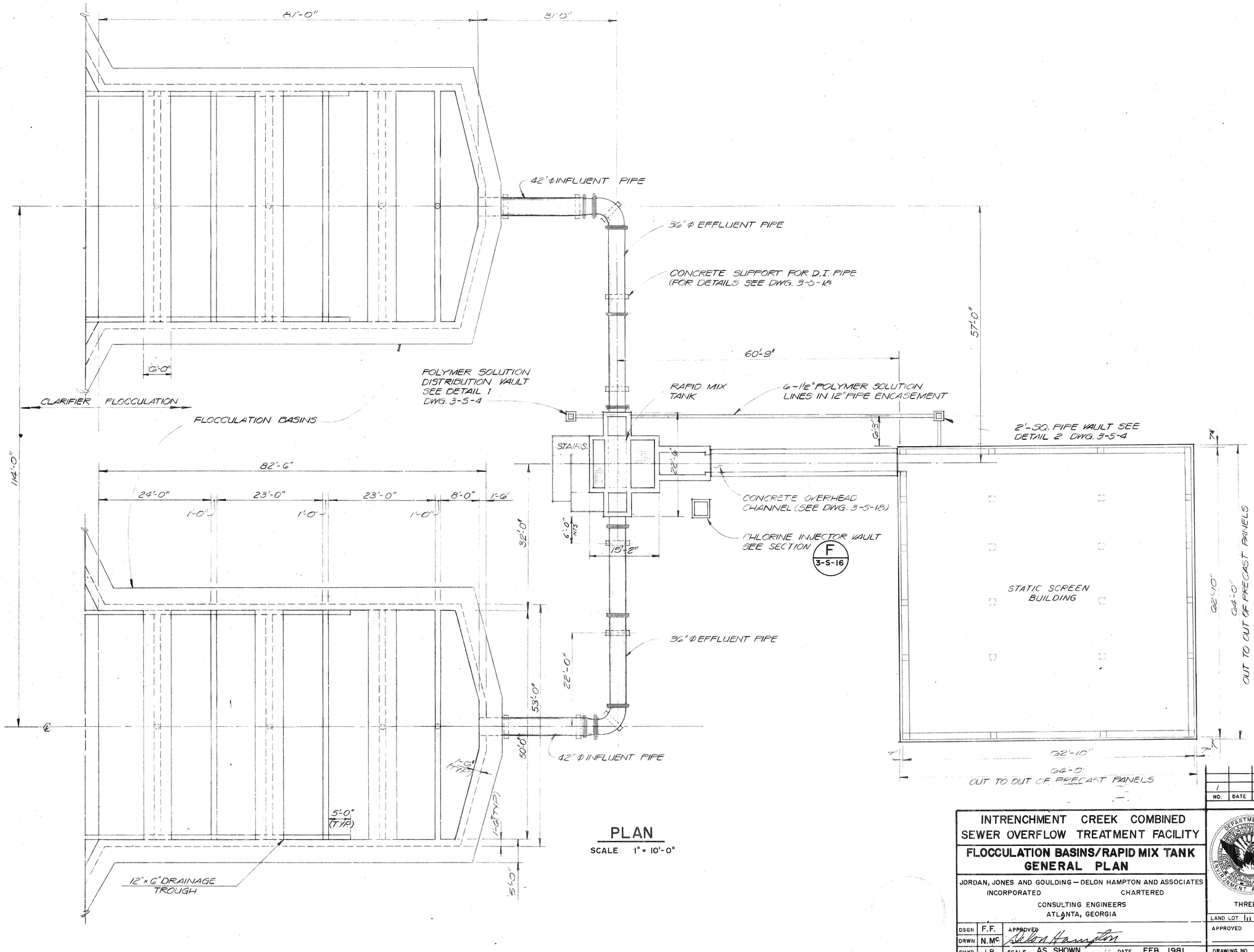
APPROVED

DRAWING NO. 3-S-13

SHEET NUMBER 100 OF 192

9-23-80

POLYTRACE 033



PLAN

SCALE 1" = 10'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
1		T&B	AS BUILT	

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

FLOCCULATION BASINS/RAPID MIX TANK GENERAL PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	F.F.	APPROVED	Delon Hampton
DRWN	N.Mc.	SCALE	AS SHOWN
CHKD	J.B	DATE	FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

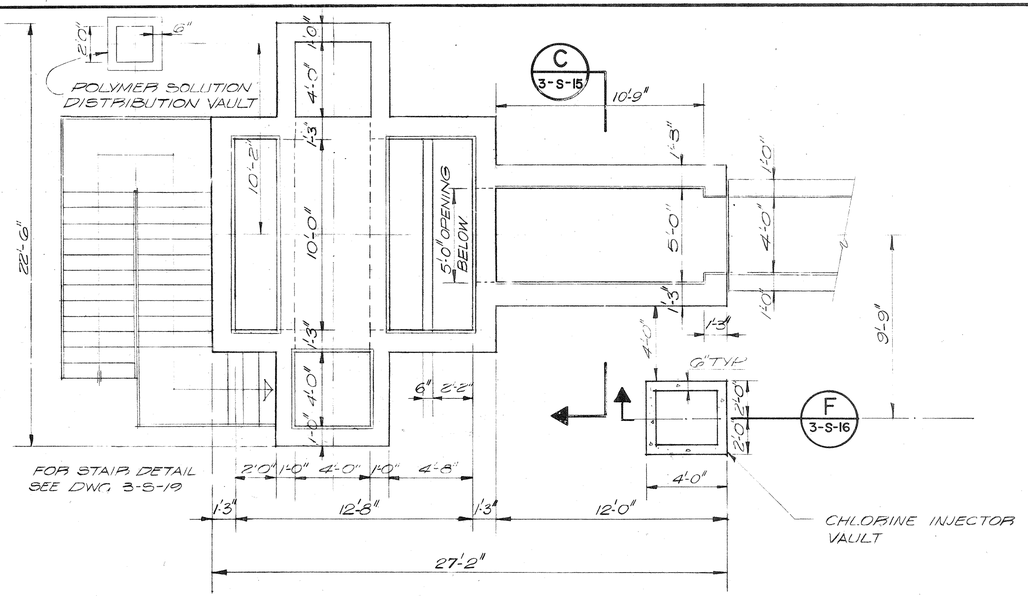
LAND LOT	111	DISTRICT	15	DEKALB COUNTY

APPROVED

DRAWING NO. 3-S-14

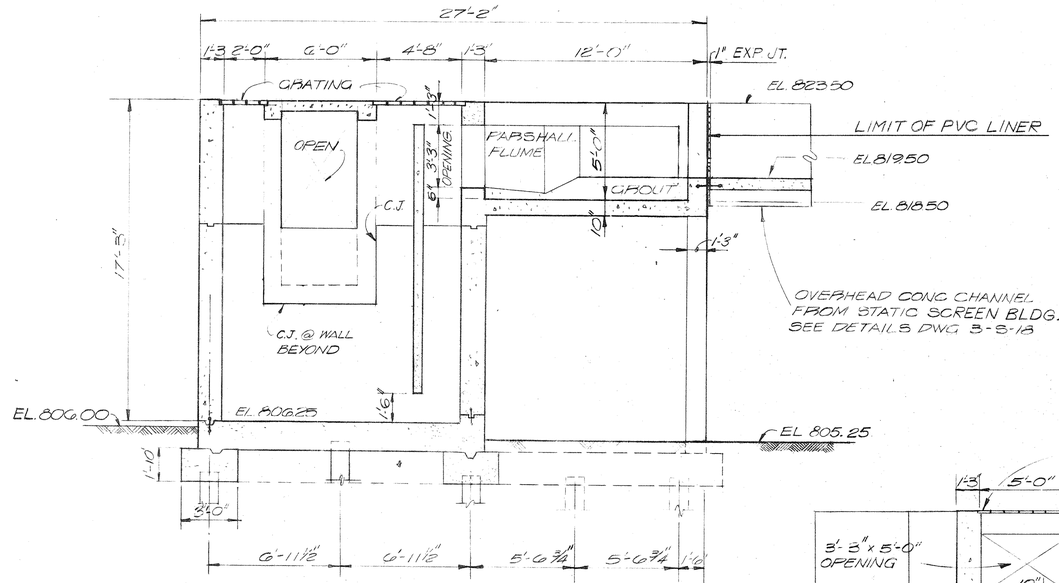
SHEET NUMBER 101 OF 192

AF 14446



PLAN (AT EL.823.50)

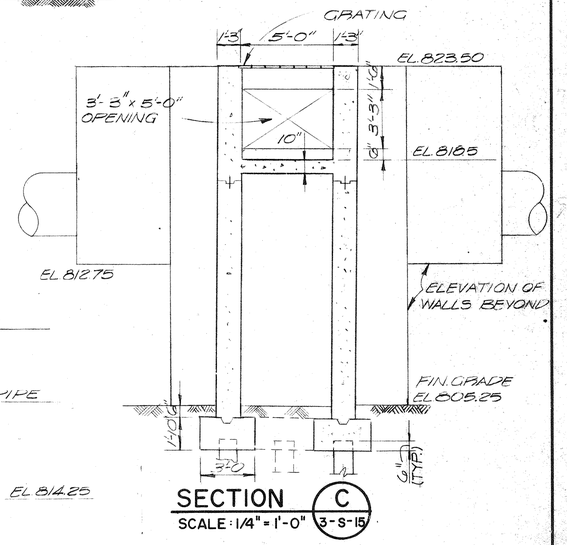
SCALE: 1/4 = 1'=0"



SECTION A

3-S-15

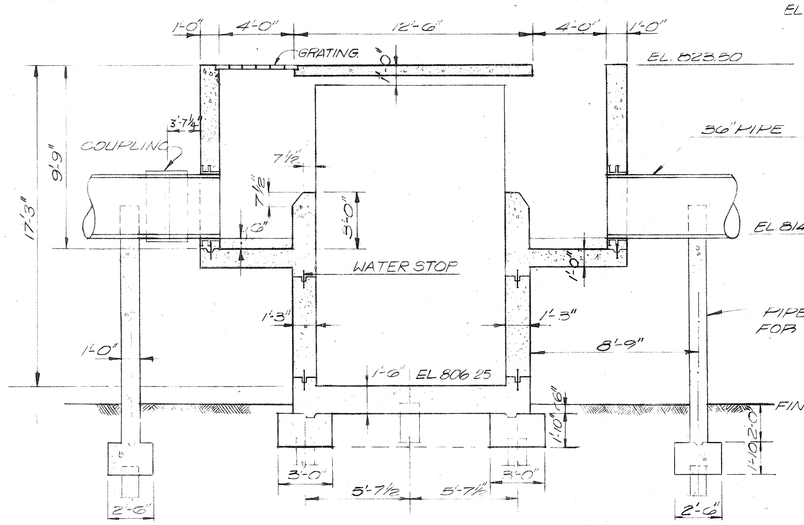
SCALE: 1/4 = 1'-0"



SECTION C

3-S-15

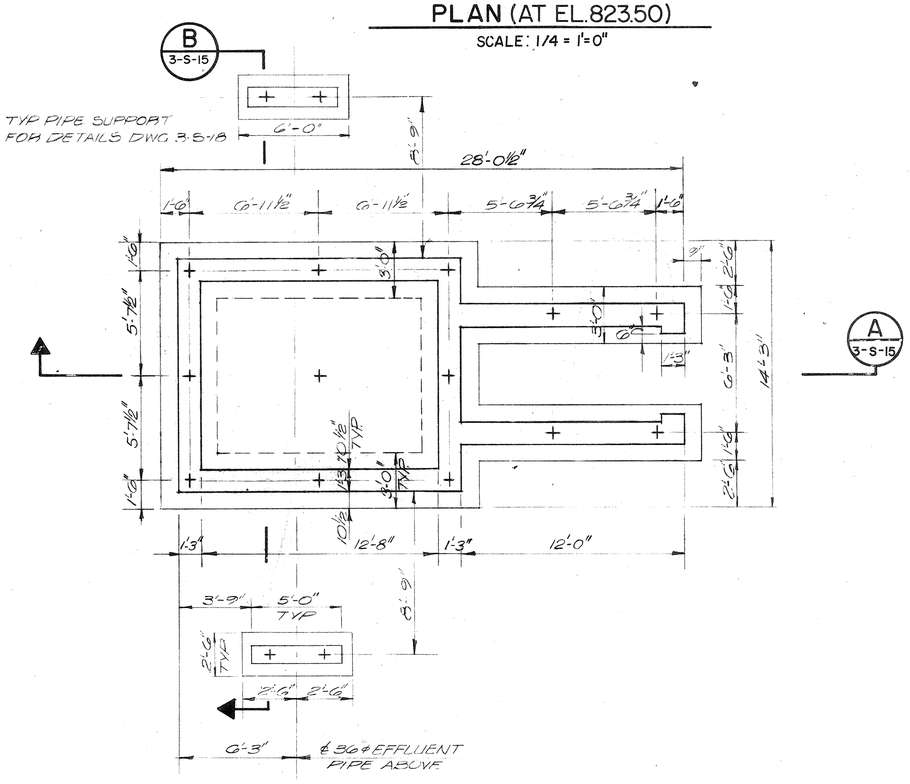
SCALE: 1/4" = 1'-0"



SECTION B

3-S-15

SCALE: 1/4 = 1'-0"



FOUNDATION PLAN

SCALE: 1/4 = 1'=0"

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

RAPID MIX TANK PLANS & SECTIONS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

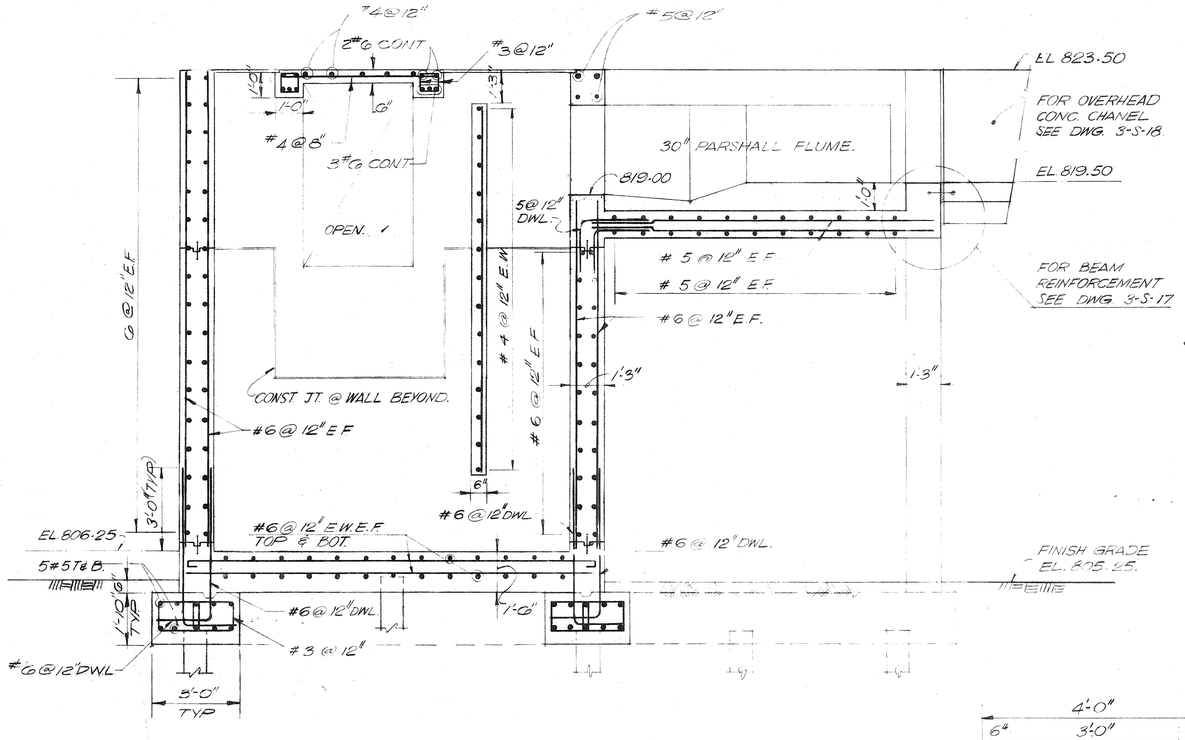
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

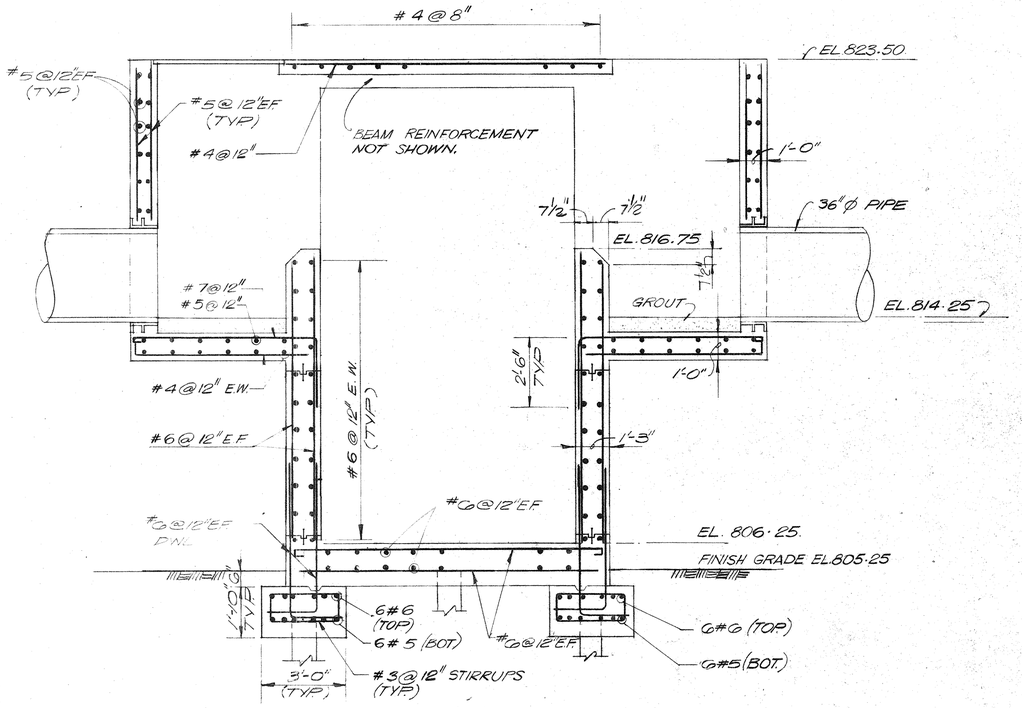
DSGN	F.F.	APPROVED	Delon Hampton	LAND LOT 111	DISTRICT 15 DEKALB COUNTY
DRWN	W.C.I.			APPROVED	SHEET NUMBER 102
CHKD	J.B.	SCALE	1/4 = 1'-0" DATE FEB. 1981	DRAWING NO. 3-S-15	OF 192

POLYTRACE 033

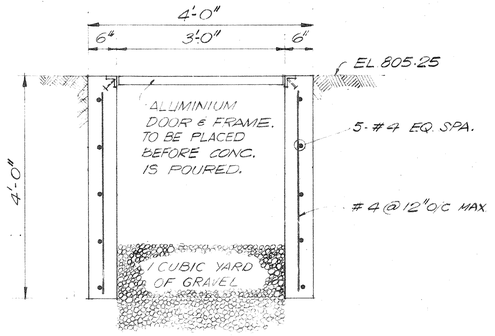
AF 14446



SECTION A
SCALE: 3/8"= 1'-0"
3-S-16 | 3-S-17



SECTION B
SCALE: 3/8"= 1'-0"
3-S-16 | 3-S-17



SECTION F
SCALE: 3/4"= 1'-0"
3-S-16 | 3-S-15

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

RAPID MIX TANK REINFORCEMENT DETAILS I

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	F.F.	APPROVED	Delon Hampton
DRWN	W.C.L.	SCALE	3/8"=1'-0"
CHKD	J.B.	DATE	FEB. 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

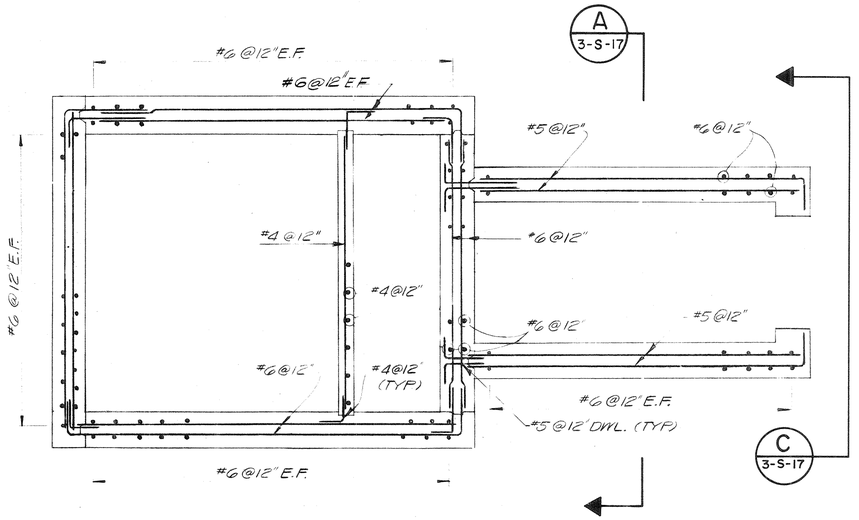
APPROVED

SHEET NUMBER 103 OF 192

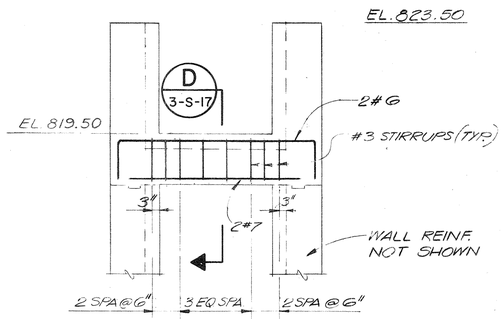
DRAWING NO. 3-S-16

5" POLYTRACE 033

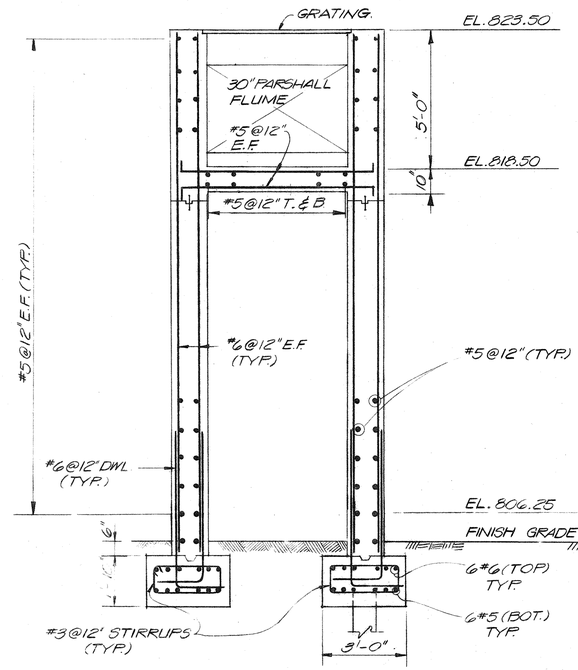
AF 14446



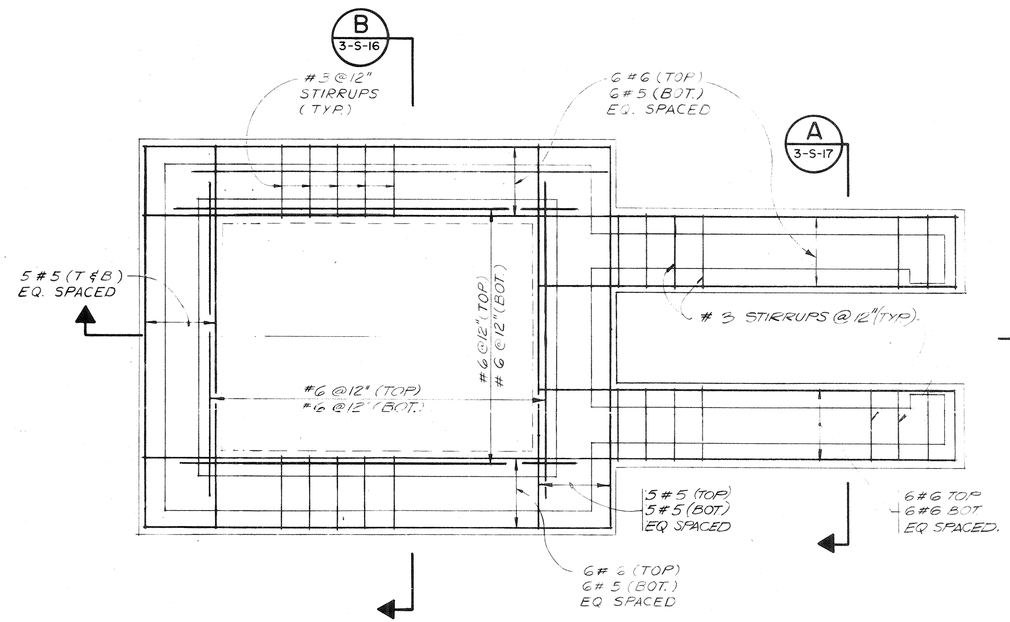
SECTIONAL PLAN
SCALE: 3/8 = 1'-0"



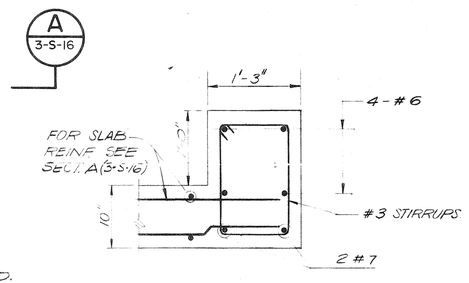
BEAM ELEVATION
SCALE: 3/8" = 1'-0"
C
3-S-17



SECTION
SCALE: 3/8 = 1'-0"
A
3-S-17



FOUNDATION REINFORCEMENT PLAN
SCALE: 3/8" = 1'-0"



SECTION
SCALE: 1" = 1'-0"
D
3-S-17

NO.	DATE	BY	DESCRIPTION	PLACES
1		TJB	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

RAPID MIX TANK REINFORCEMENT DETAILS II

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	F.F.	APPROVED	Delon Hampton
DRWN	W.C.L.		
CHKD	J.B.	SCALE 3/8 = 1'-0"	DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

SHEET NUMBER 104 OF 192

DRAWING NO. 3-S-17

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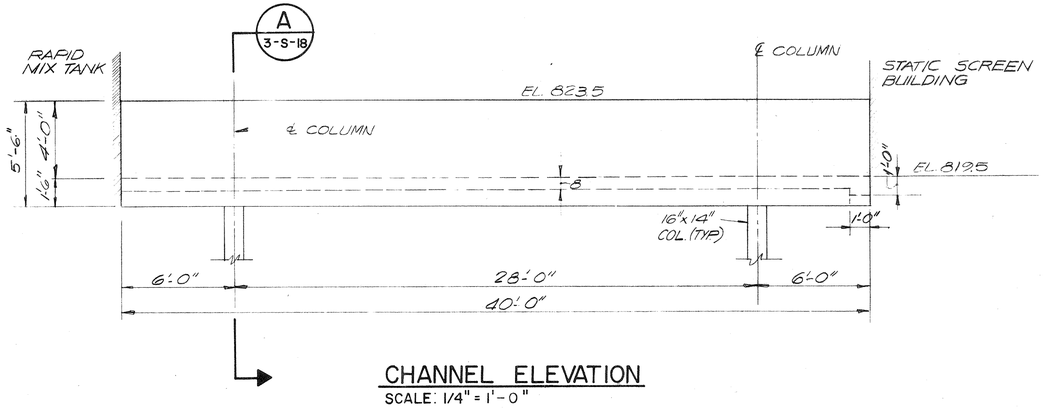
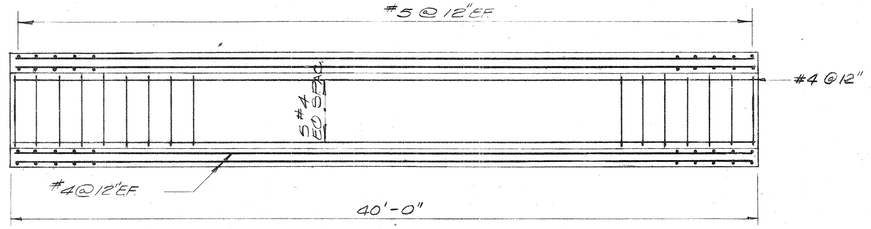
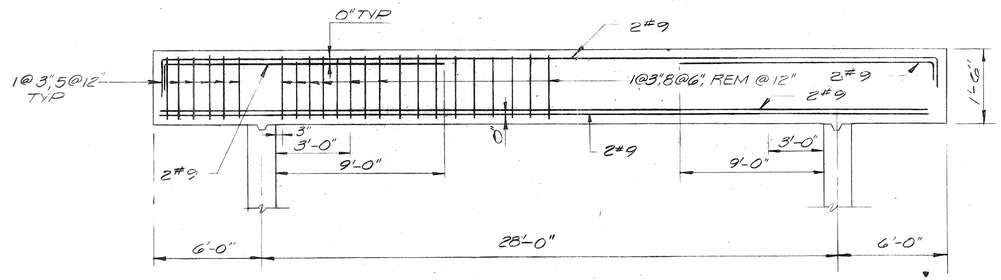


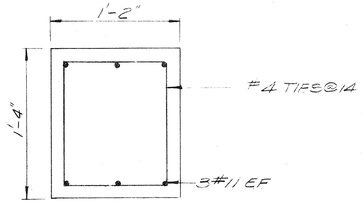
CHANNEL ELEVATION
SCALE: 1/4" = 1'-0"



SECTION B
3-S-18
SCALE: 1/4" = 1'-0"

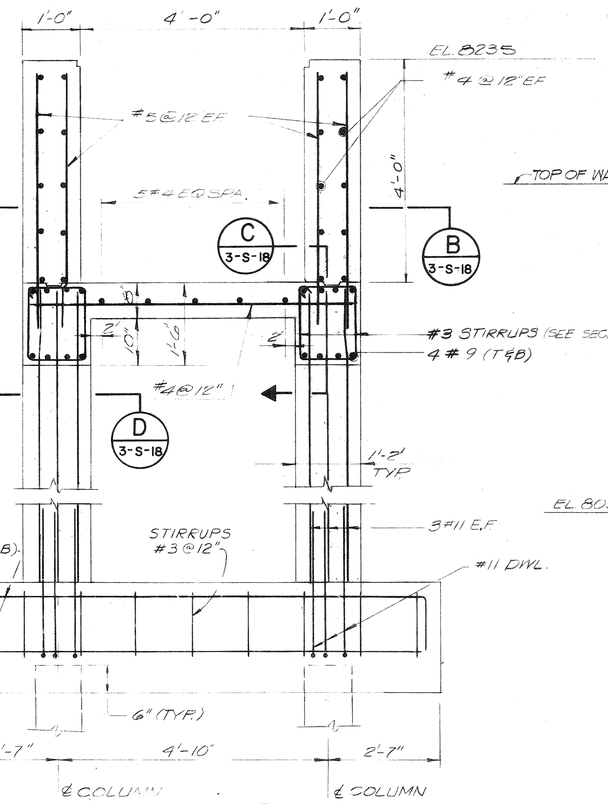


SECTION C
N.T.S.
3-S-18

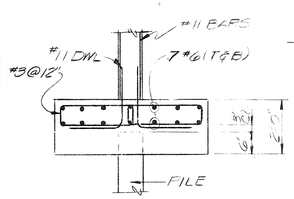


SECTION D
SCALE: 1 1/2" = 1'-0"
3-S-18

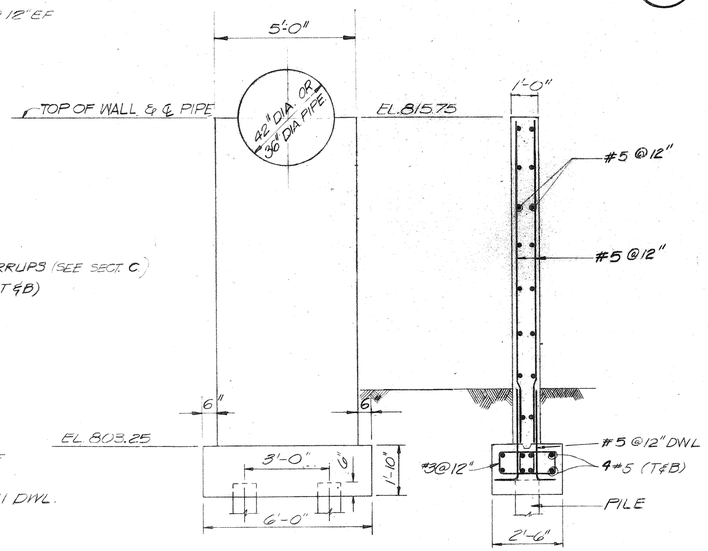
FOUNDATION PLAN
N.T.S.



SECTION A
SCALE: 3/4" = 1'-0"
3-S-18



SECTION E
N.T.S.
3-S-18



TYPICAL PIPE SUPPORT
SCALE: 3/8" = 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

OVERHEAD CONCRETE CHANNEL

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN F.F. | DRWN H.L. | CHKD J.B | APPROVED Delon Hampton | SCALE AS SHOWN | DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

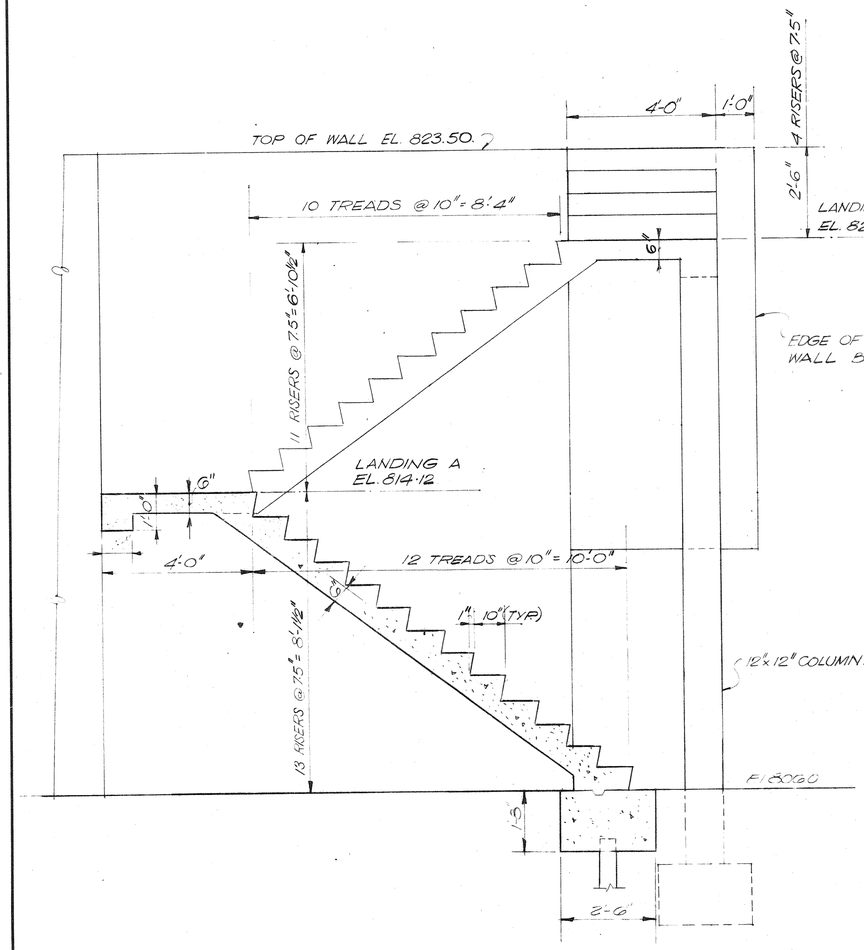
APPROVED

DRAWING NO. 3-S-18

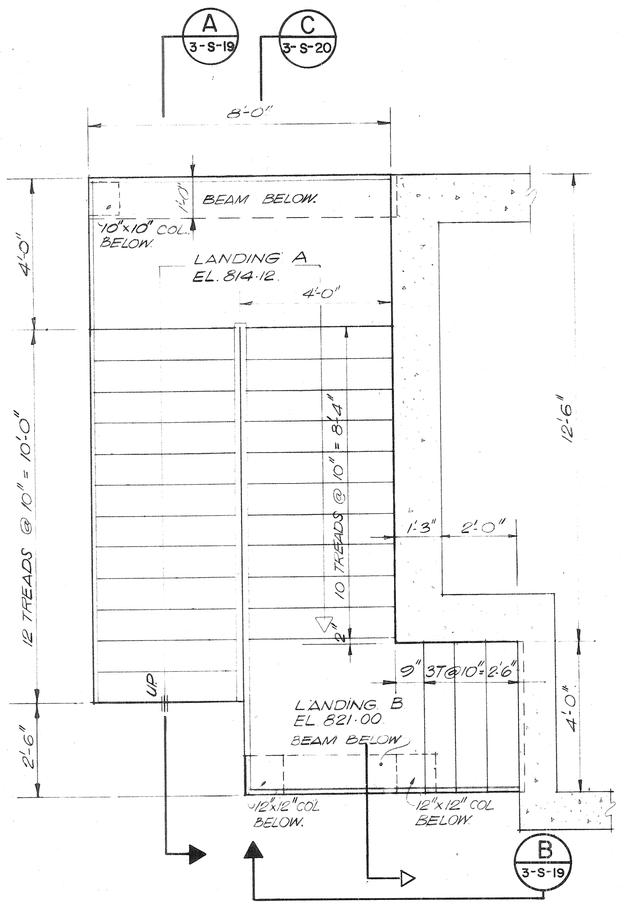
SHEET NUMBER 105 OF 192

POLYTRACE 033

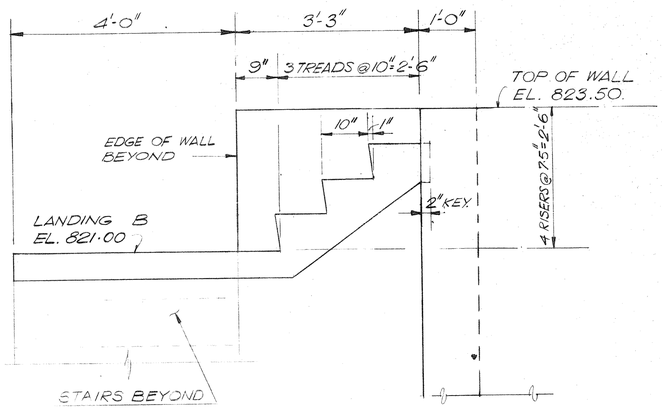
A.F. 14445



SECTION A (3-S-19)
SCALE: 1/2"= 1'-0"



PLAN
SCALE: 1/2"= 1'-0"



SECTION B (3-S-19)
SCALE: 3/4"= 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

RAPID MIX TANK
STAIRWAY DETAILS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN F.F. | DRWN W.C.L. | CHKD J.B.
APPROVED Delon Hampton
SCALE AS SHOWN DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

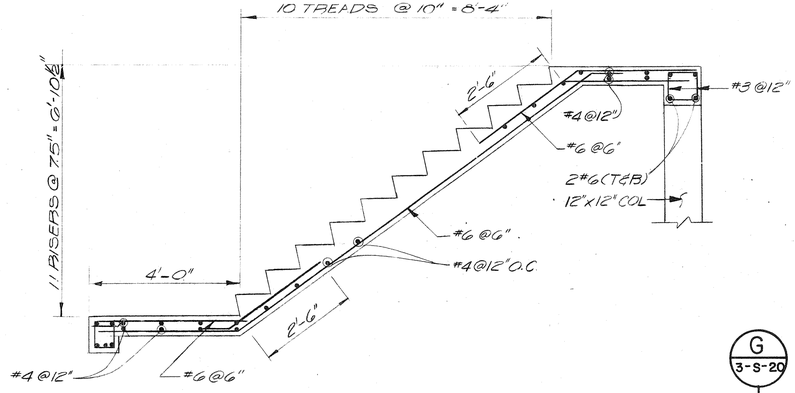
APPROVED

SHEET NUMBER 106 OF 192

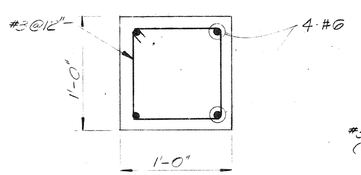
DRAWING NO. 3-S-19

POLYTRACE 033

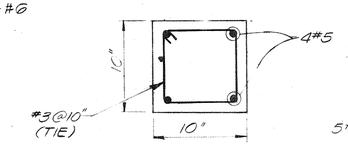
AF 14446



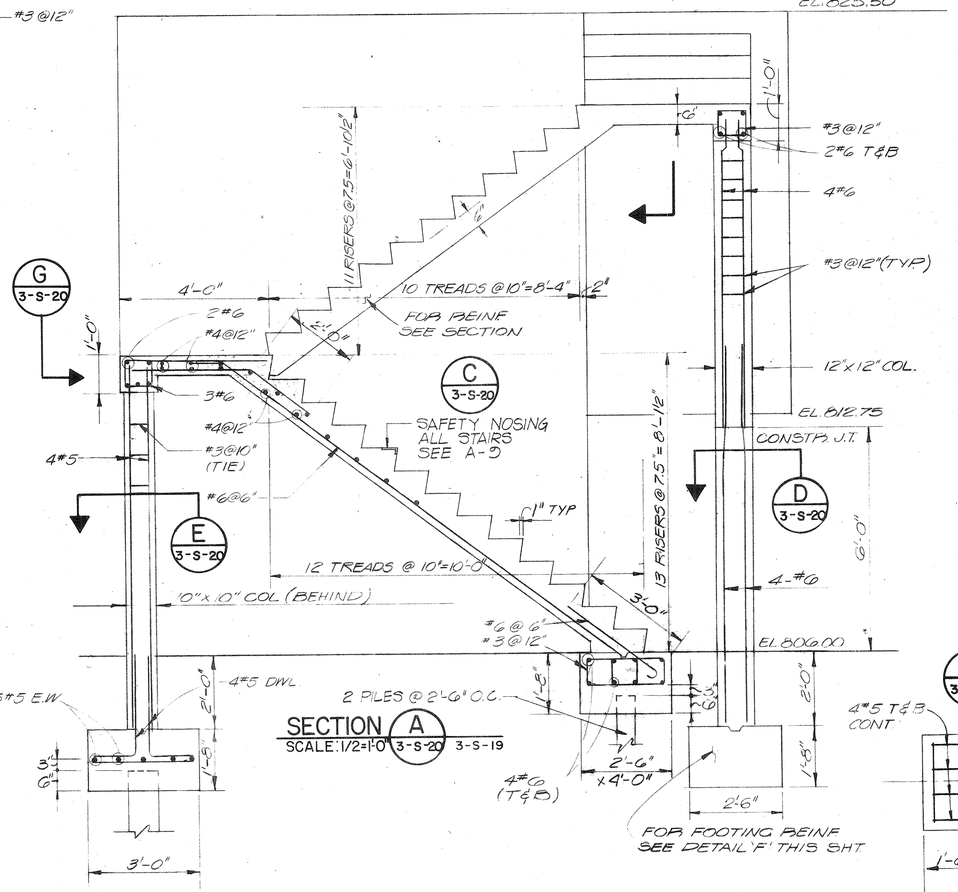
SECTION — SCALE: 1/2 = 1'-0" — C / 3-S-20 3-S-19



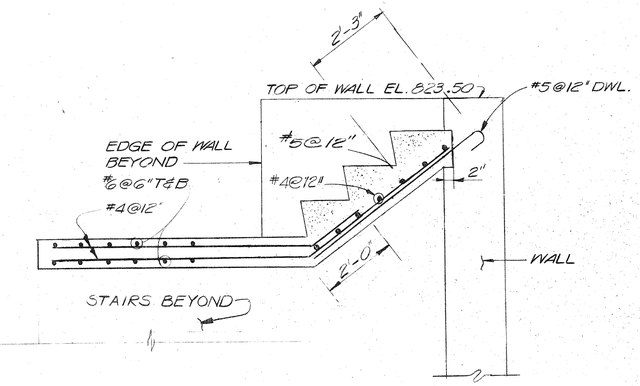
SECTION — SCALE: 1/2 = 1'-0" — D / 3-S-20



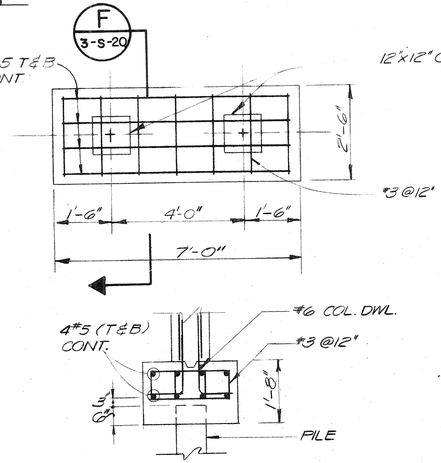
SECTION — SCALE: 1/2 = 1'-0" — E / 3-S-20



SECTION — SCALE: 1/2 = 1'-0" — A / 3-S-20 3-S-19

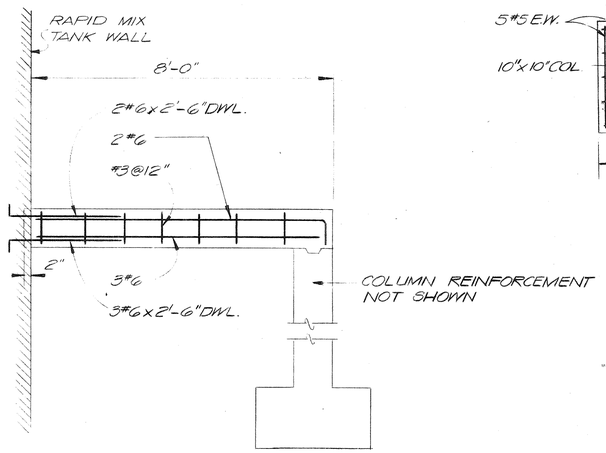


SECTION — SCALE: 3/4 = 1'-0" — B / 3-S-20 3-S-19

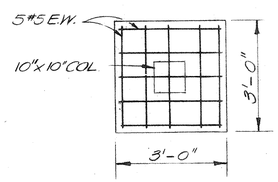


SECTION — SCALE: 1/2 = 1'-0" — F / 3-S-20

COLUMN REINFORCEMENT



BEAM EL. G / 3-S-20



NO.	DATE	BY	REVISIONS DESCRIPTION	PLACES
1		T&B	AS BUILT	

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

RAPID MIX TANK
STAIRWAY REINFORCMENT DETAILS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	F.F.	APPROVED	Delon Hampton
DRWN	W.C.L.	SCALE	AS SHOWN
CHKD	J.B.	DATE	FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

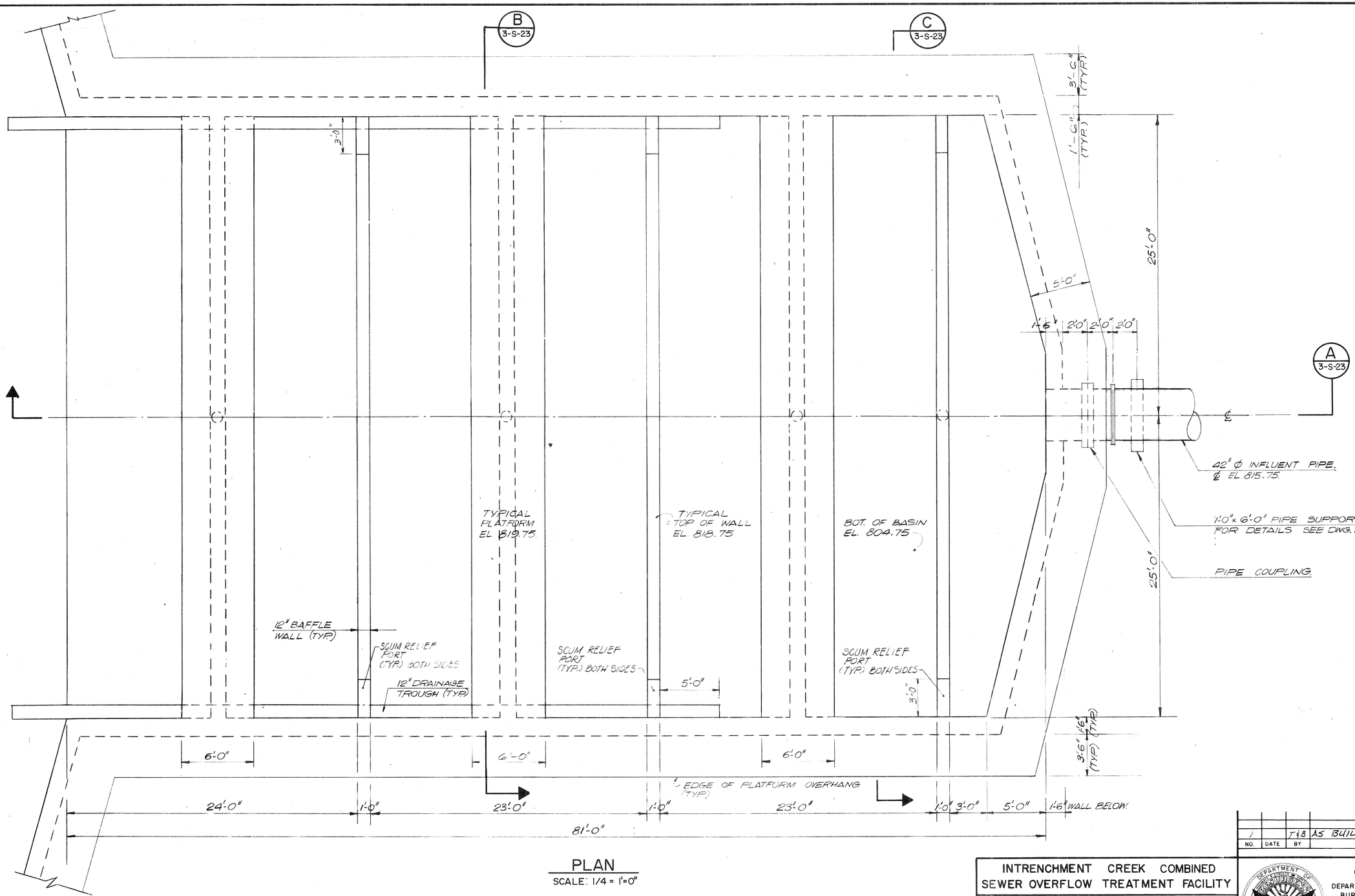
APPROVED

DRAWING NO. 3-S-20

SHEET NUMBER 107 OF 192

© POLYTRACE 033

AF 14446



PLAN
SCALE: 1/4 = 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
1		J&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

FLOCCULATION BASINS DECK PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN F.F. | DRWN W.C.L. | CHKD J.B.
APPROVED Delon Hampton
SCALE 1/4 = 1'-0" DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

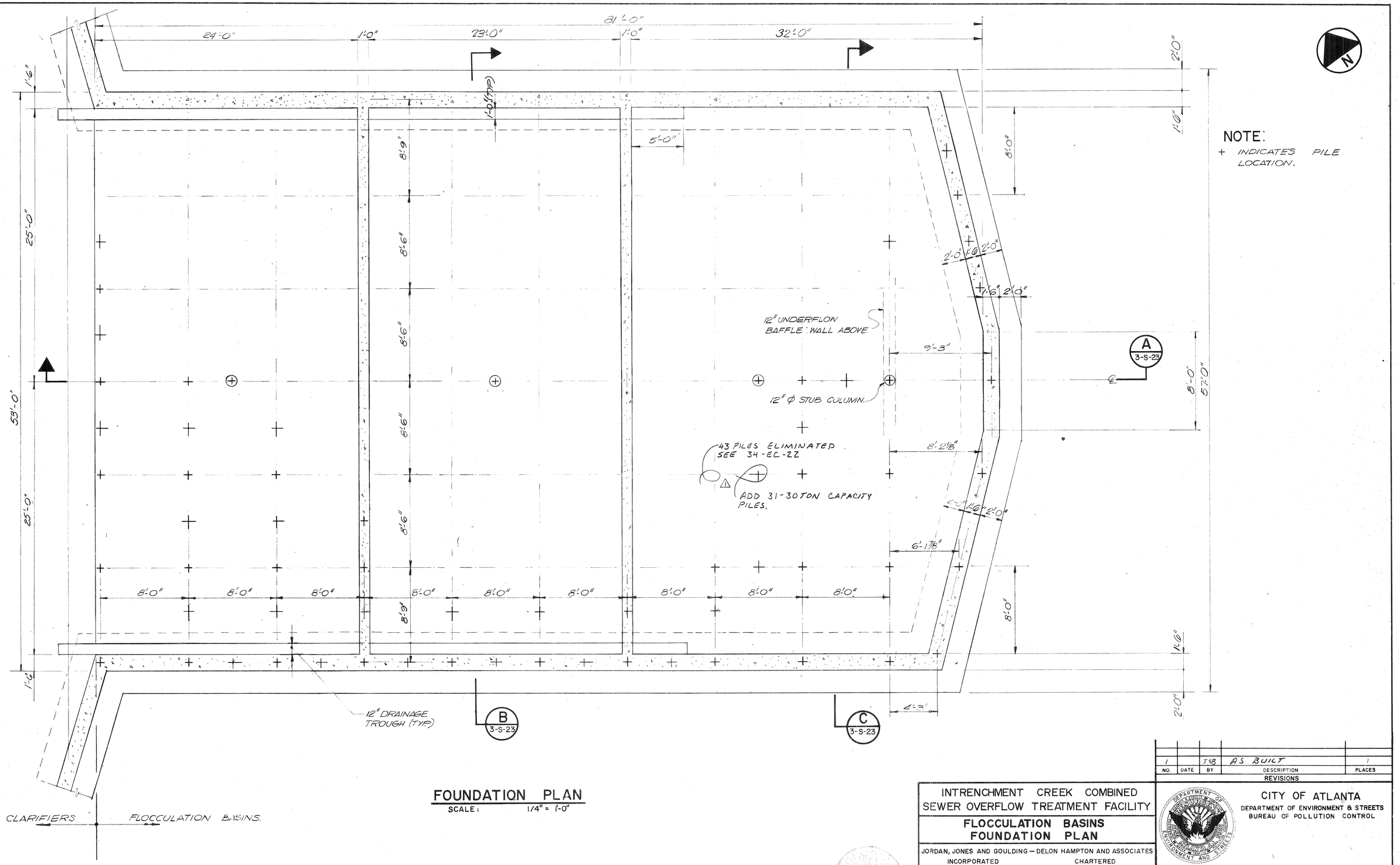
LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

DRAWING NO. 3-S-21

SHEET NUMBER 108 OF 192

© POLYTRACE 033



FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
1		TAB	AS BUILT	1

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

FLOCCULATION BASINS FOUNDATION PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN F.F. | DRWN N.M.C. | CHKD J.B.

APPROVED Delon Hampton

SCALE 1/4" = 1'-0" DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

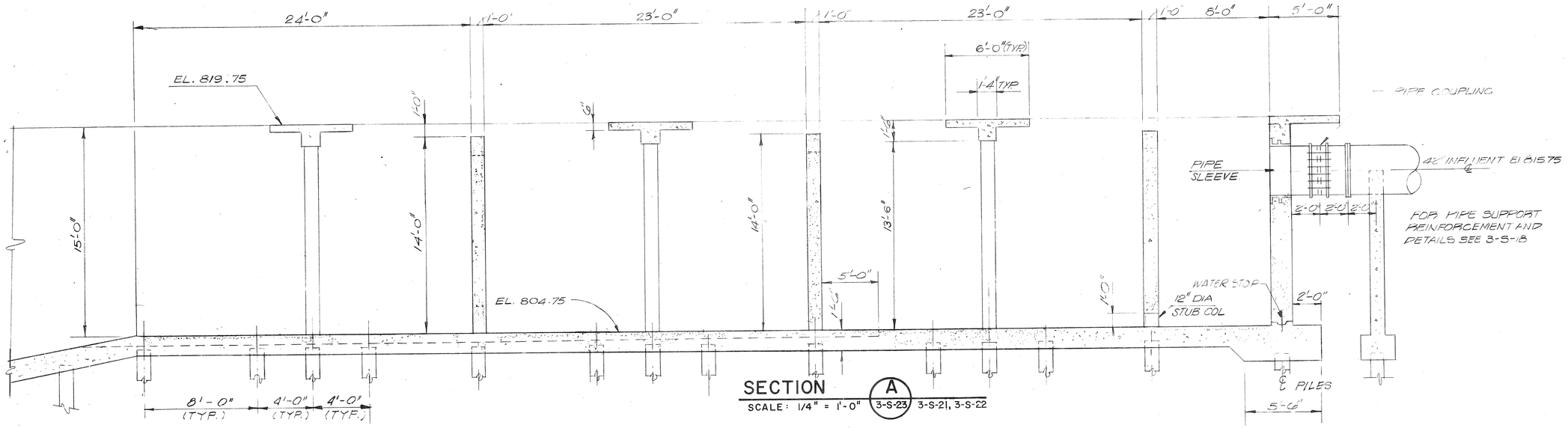
THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

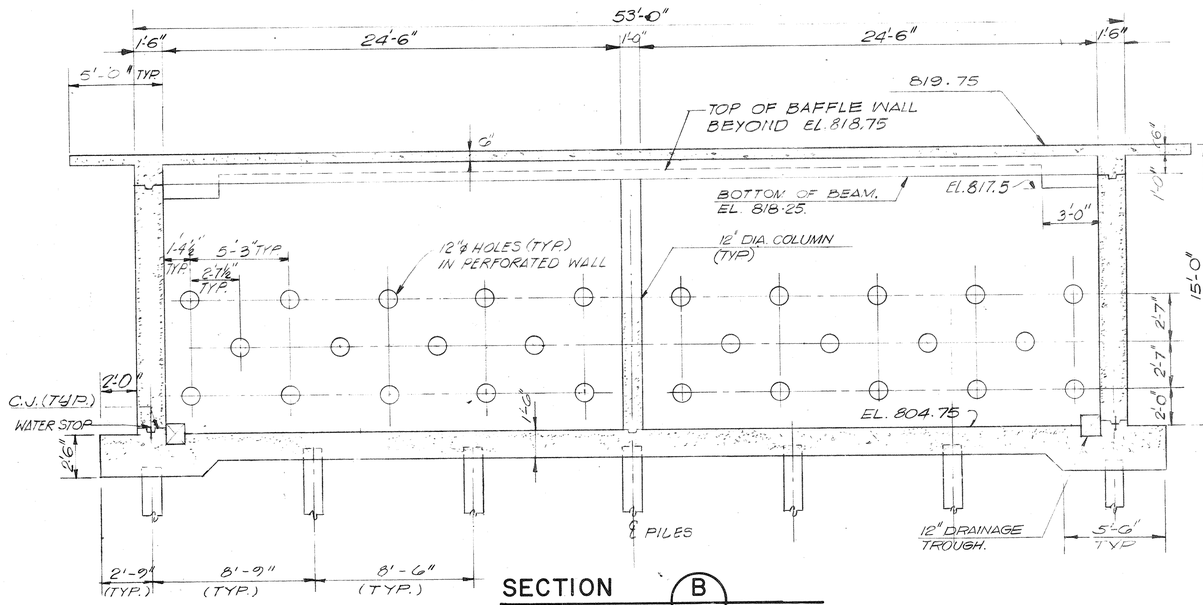
APPROVED

SHEET NUMBER 109 OF 192

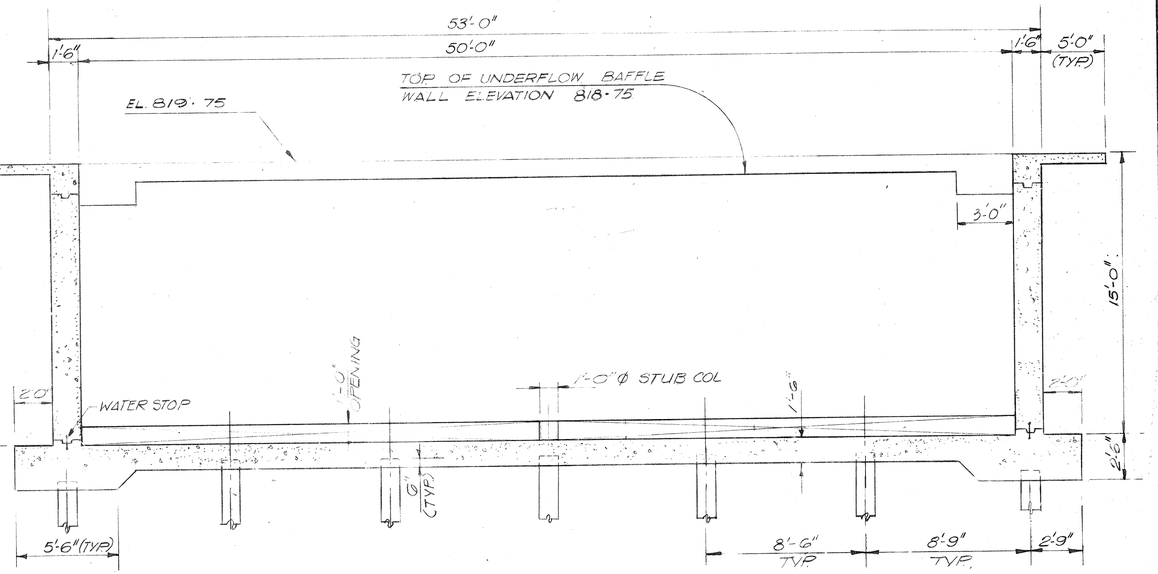
DRAWING NO. 3-S-22



SECTION A
SCALE: 1/4" = 1'-0" (3-S-23) 3-S-21, 3-S-22



SECTION B
SCALE: 1/4" = 1'-0" (3-S-23) 3-S-21, 3-S-22



SECTION C
SCALE: 1/4" = 1'-0" (3-S-23) 3-S-21, 3-S-22

NO.	DATE	BY	DESCRIPTION	PLACES
3		T&B	AS BUILT	
1	3/82	B.T.	ADDED SLOTS IN BAFFLE WALL	8
2	3/82	B.T.	CHANGE HOLES IN BAFFLE WALL	2

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

FLOCCULATION BASINS SECTIONS AND DETAILS - I

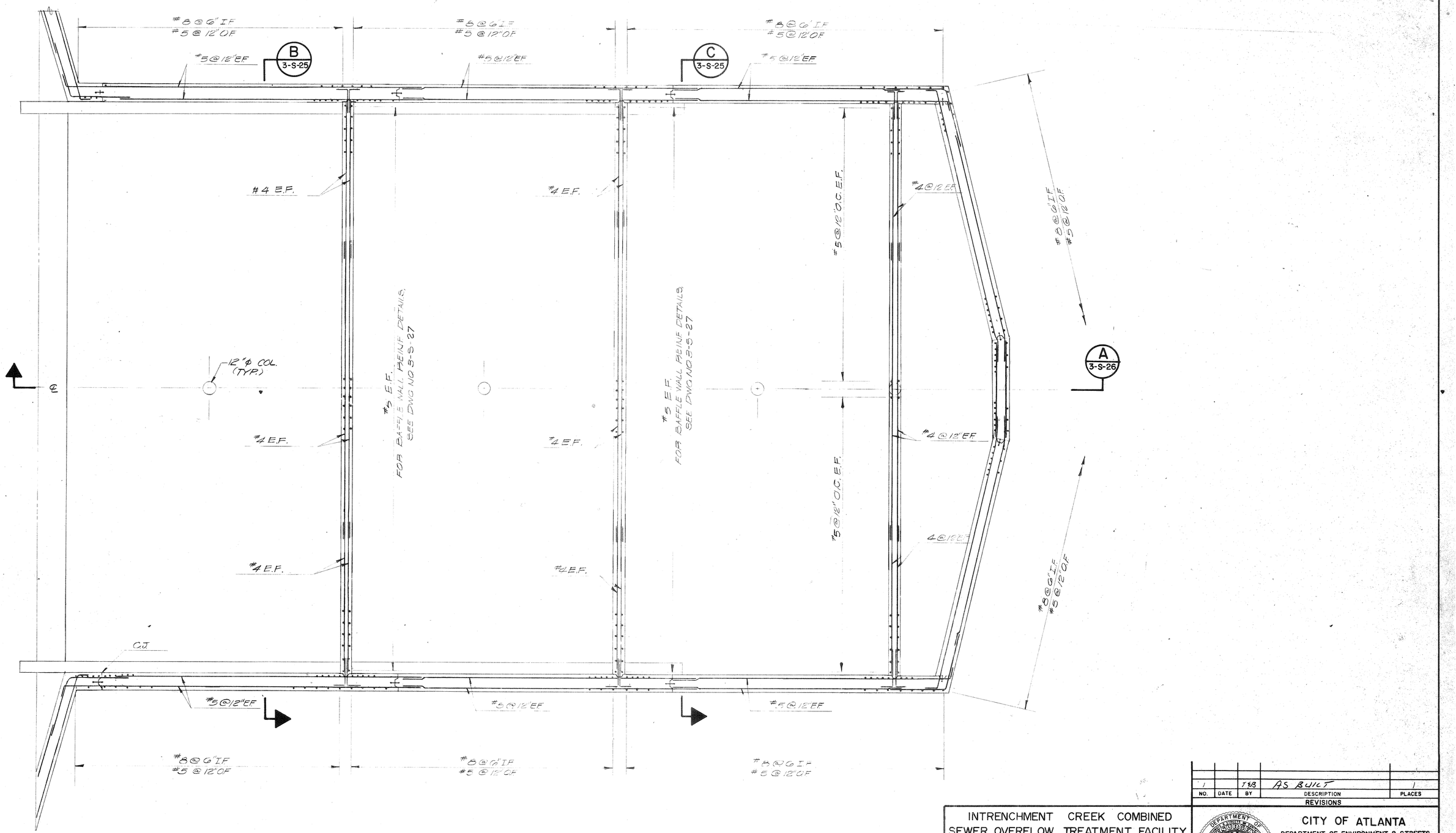
JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	F.F.	APPROVED	Delon Hampton
DRWN	N.M.C.	SCALE	1/4" = 1'-0"
CHKD	J.B.	DATE	FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

LAND LOT	111	DISTRICT 15	DEKALB COUNTY
APPROVED			SHEET NUMBER 110 OF 192
DRAWING NO.	3-S-23		



SECTIONAL REINF. PLAN

SCALE: 1/4" = 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
1		TEB	AS BUILT	1

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

FLOCCULATION BASINS SECTIONAL REINFORCEMENT PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	F.F.	APPROVED	Delon Hampton
DRWN	WL-MC	SCALE	1/4" = 1'-0"
CHKD	J.B.	DATE	FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

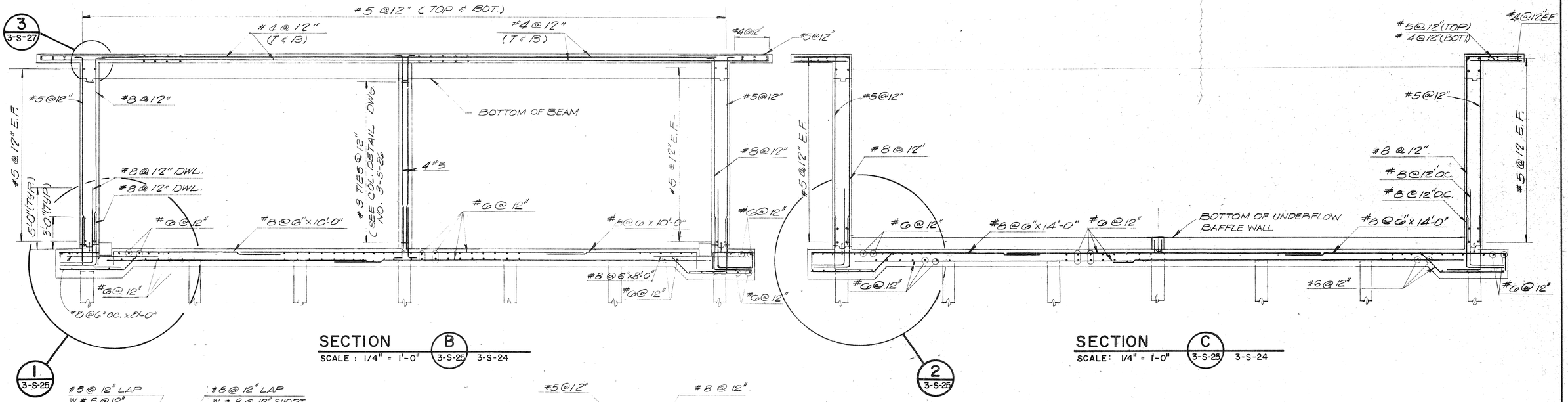
THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

LAND LOT	111	DISTRICT	15	DEKALB COUNTY

APPROVED

DRAWING NO. 3-S-24

SHEET NUMBER 111 OF 192



DETAIL 1 — SCALE 1/2"= 1'-0" — 3-S-25

DETAIL 2 — SCALE 1/2"= 1'-0" — 3-S-25

TYP. WALL INSIDE FACE REINF. — N.T.S.

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

FLOCCULATION BASINS SECTIONS AND DETAILS - II

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN F.F. | DRWN M.C. | CHKD J.B.

APPROVED Delon Hampton

SCALE AS SHOWN DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

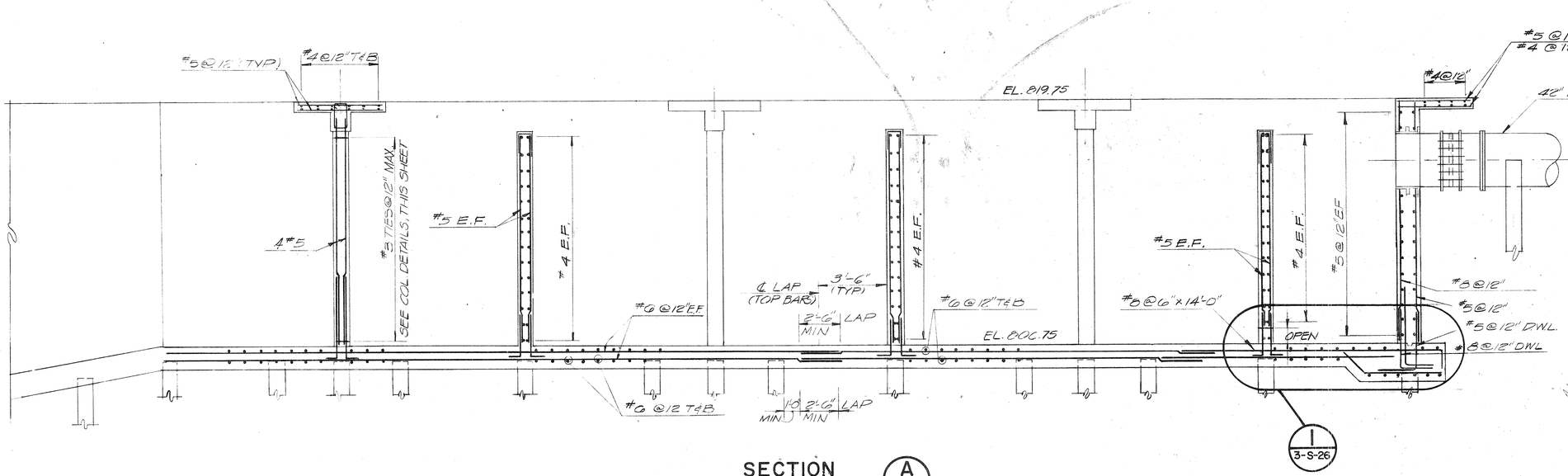
THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

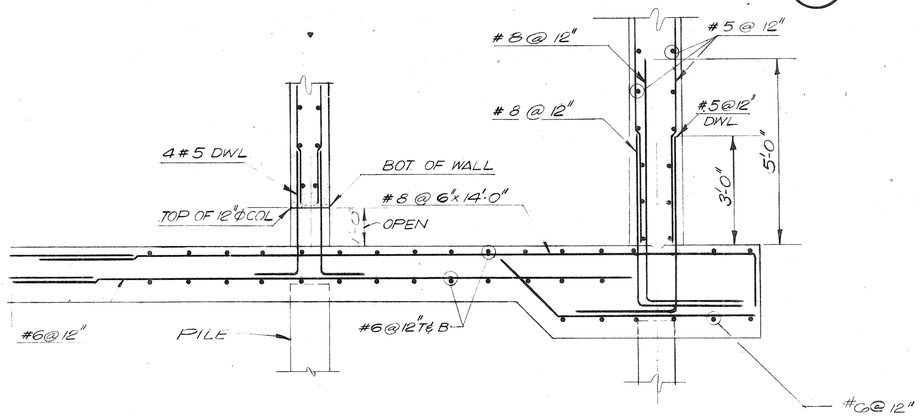
APPROVED

DRAWING NO. 3-S-25

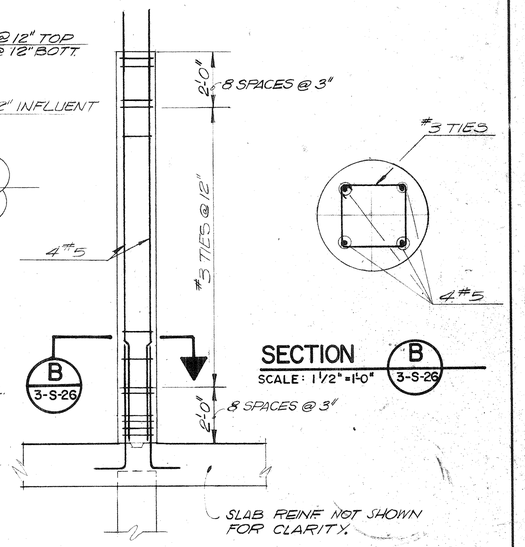
SHEET NUMBER 112 OF 192



SECTION A
SCALE: 1/4" = 1'-0" (3-S-23) 3-S-24



DETAIL I
SCALE: 1/2" = 1'-0" (3-S-26)



SECTION B (3-S-26)
SCALE: 1 1/2" = 1'-0"

TYP. COL. REINF.
SCALE: 3/8" = 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

FLOCCULATION BASINS SECTIONS AND DETAILS - III

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	F.F.	APPROVED	Delon Hampton
DRWN	W.C.L.		
CHKD	J.B.	SCALE AS SHOWN	DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

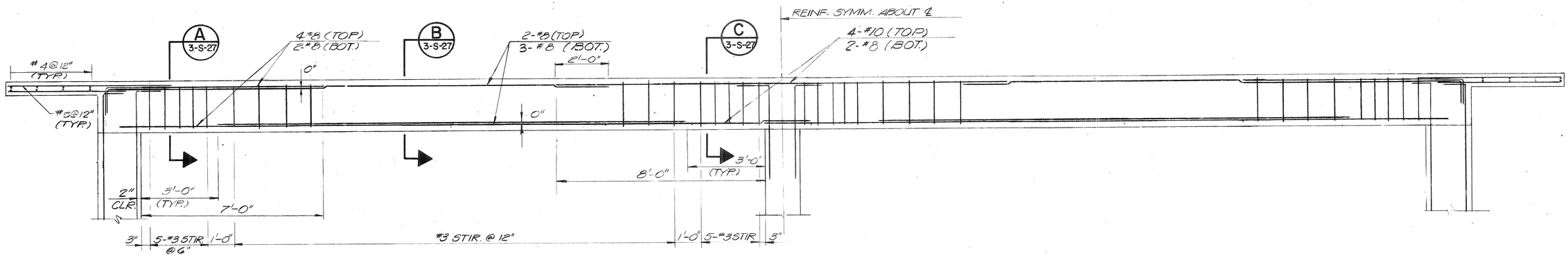
THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

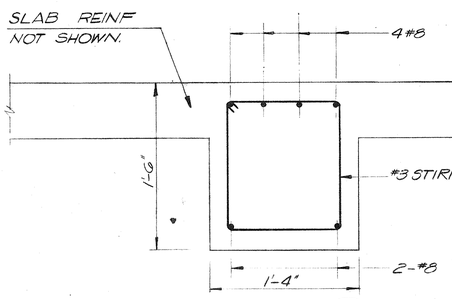
DRAWING NO. 3-S-26

SHEET NUMBER 113 OF 192



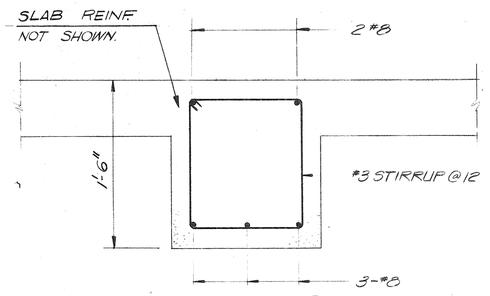
TYPICAL BEAM REINF.

SCALE: 1/2" = 1'-0"



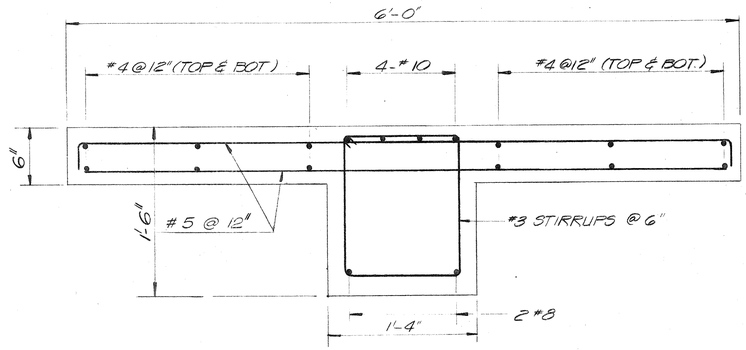
SECTION A

SCALE: 1½" = 1'-0" 3-S-27



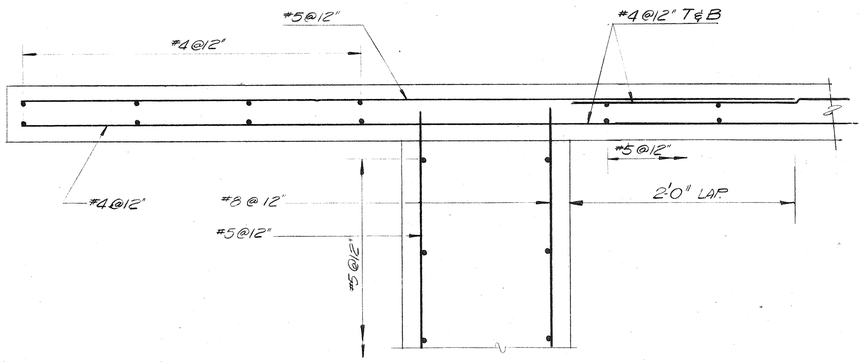
SECTION B

SCALE: 1½" = 1'-0" 3-S-27



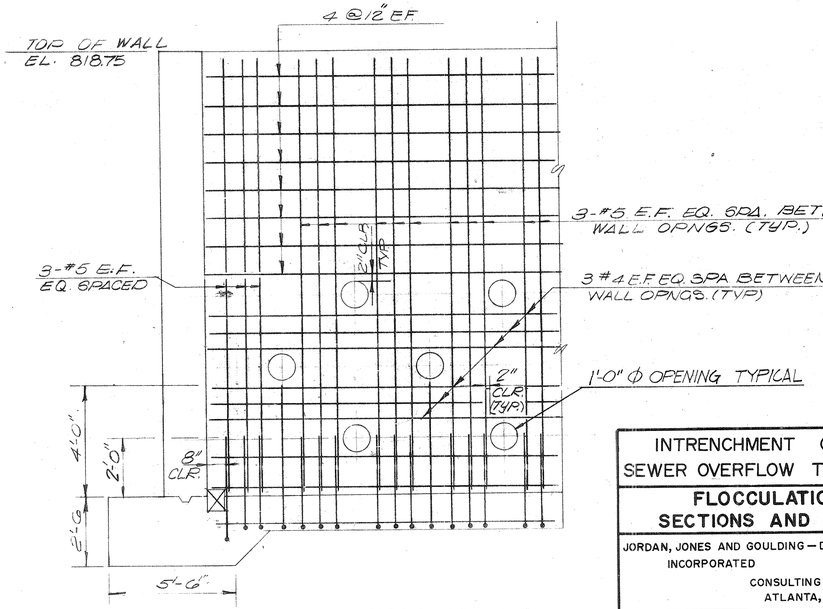
SECTION C

SCALE: 1½" = 1'-0" 3-S-27



DETAIL 3

SCALE: 1½" = 1'-0" 3-S-27 3-S-25



TYP. BAFFLE WALL REINF.

SCALE: 3/8" = 1'-0"

GEORGIA REGISTERED No. 9165 PROFESSIONAL ENGINEER Expires: DELON HAMPTON

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
1		T&A	AS BUILT	

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

FLOCCULATION BASINS SECTIONS AND DETAILS - IV

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	F.F.	APPROVED	Delon Hampton
DRWN	M.C.	SCALE	AS SHOWN
CHKD	J.B.	DATE	FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

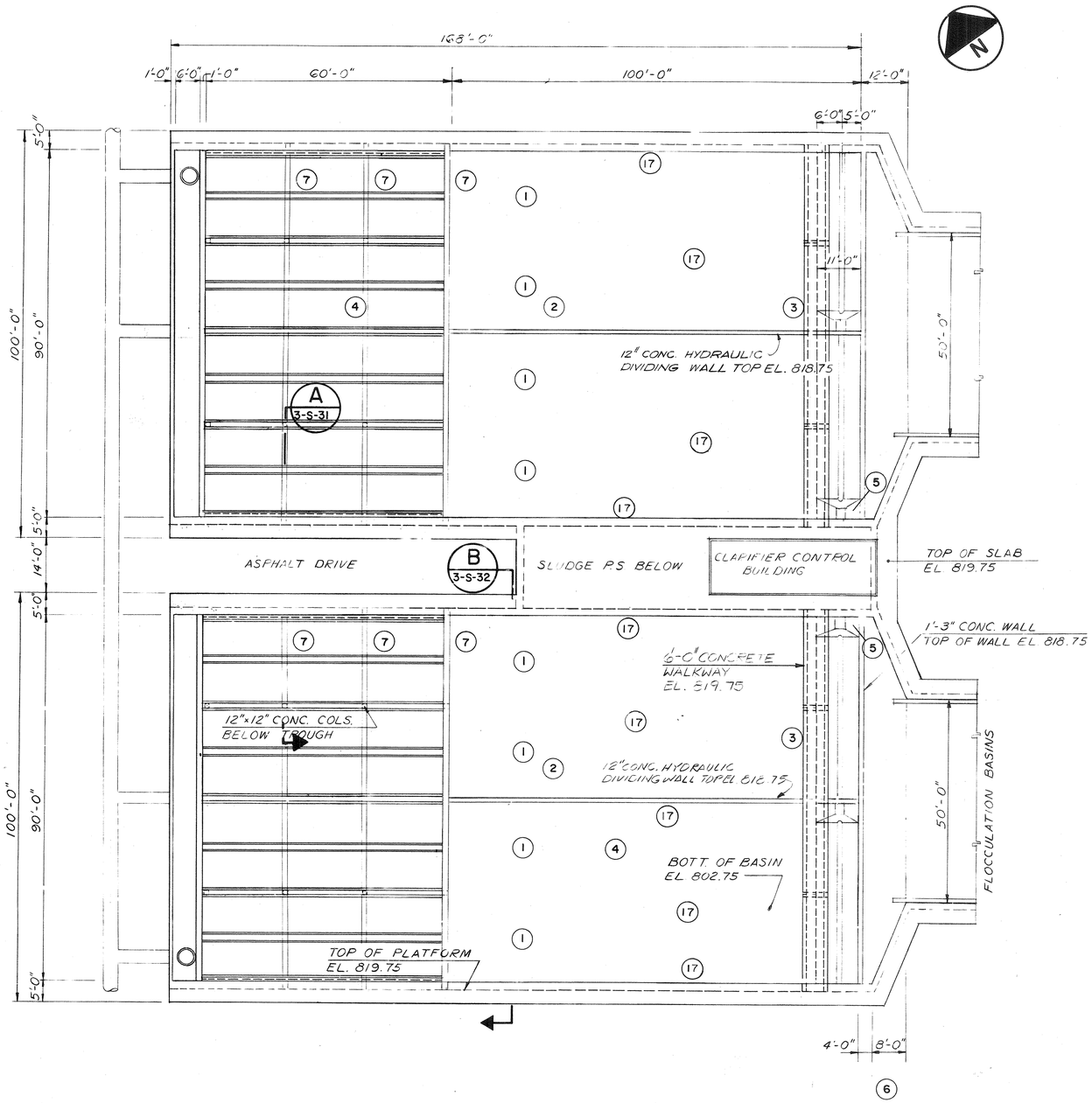
THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

LAND LOT	111	DISTRICT	15	DEKALB COUNTY

APPROVED

DRAWING NO. 3-S-27

SHEET NUMBER 114 OF 192



PLAN

SCALE: 1/16" = 1'-0"

PCO 20

NO.	DATE	BY	DESCRIPTION	PLACES
		T&B	AS BUILT	
17	6/83	KM	DELETE SLUDGE DIV. WALL	3
7	10/82	BT	ADD 2'-0" USEF BEAMS	6
6	10/82	BT	REMOVE SECTION "C"	1
5	10/82	BT	REMOVE 24" PIPE SUPP. SLAB	2
4	10/82	BT	REMOVE TRAVELING BRIDGE	2
3	10/82	BT	ADD 6'-0" WALKWAY	2
2	10/82	BT	REMOVE 12'-0" TROUGH	2
1	10/82	BT	REMOVE DIVIDING WALLS & COLS.	5

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIERS
GENERAL PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

DSGN	J.B.	APPROVED	Delon Hampton
DRWN	N. MC.	SCALE	AS SHOWN
CHKD	J.B.	DATE	FEB., 1981

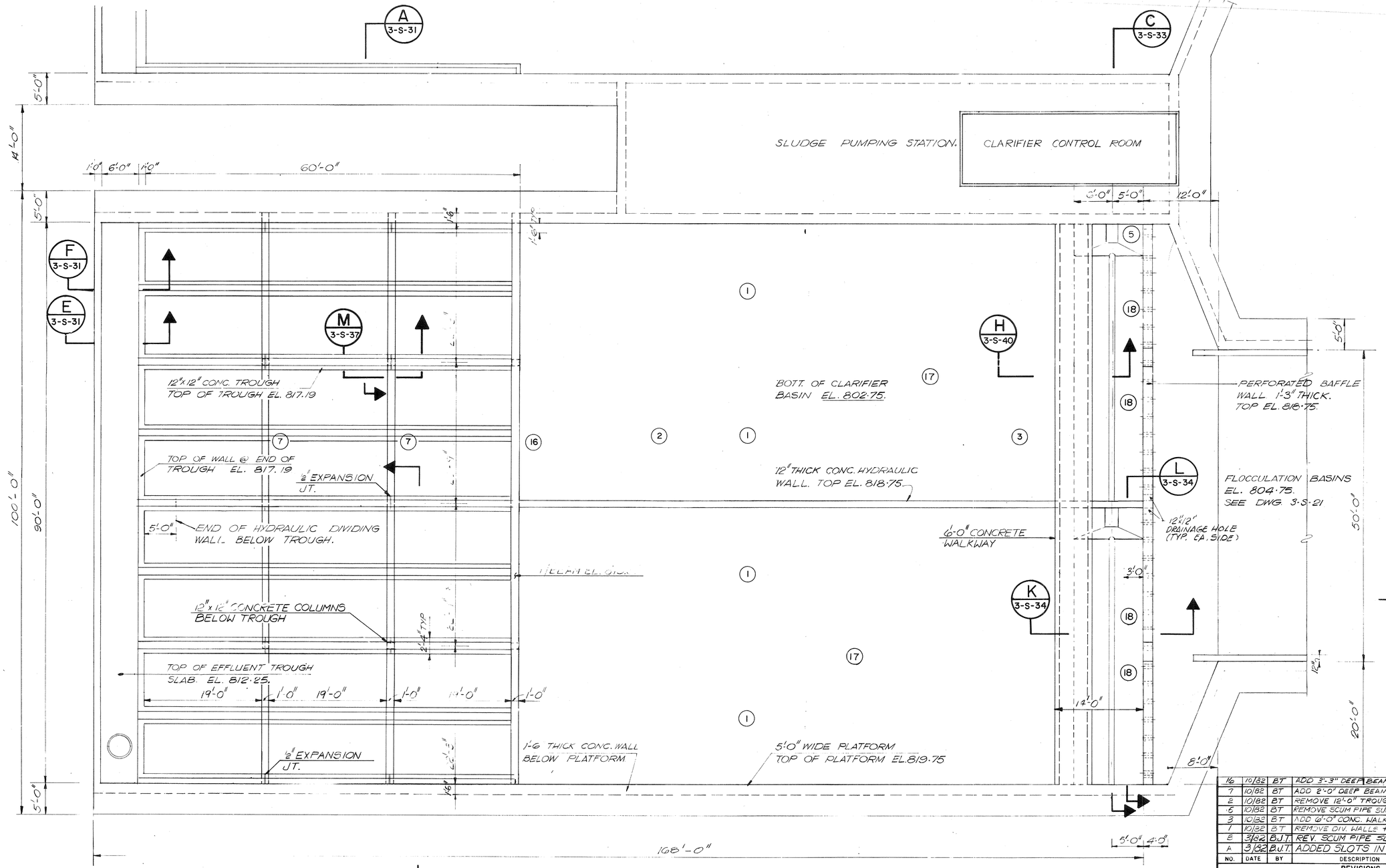
LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

DRAWING NO. 3-S-28

SHEET NUMBER 115 OF 192

AF 14446



PARTIAL PLAN

SCALE: 1/8 = 1'=0"

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
16	10/82	BT	ADD 3'-3" DEEP BEAM	1
7	10/82	BT	ADD 2'-0" DEEP BEAMS	2
2	10/82	BT	REMOVE 12'-0" TROUGH	4
5	10/82	BT	REMOVE SCUM PIPE SUPP. SLAB	1
3	10/82	BT	ADD 6'-0" CONC. WALKWAY	1
1	10/82	BT	REMOVE DIV. WALLS + COLUMNS	4
E	3/82	B.J.T.	REV. SCUM PIPE SUP.	4
A	3/82	B.J.T.	ADDED SLOTS IN BAF/W.	1

NO.	DATE	BY	DESCRIPTION	PLACES
			T&B AS BUILT	
18	2/83	RM	DELETE SCUM PIPE SUPPORT	4
17	8/83	RM	DELETE SLUDGE DIV. WALL	2

PC029
PC020

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIERS DECK PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN J.B. | DRWN N.M.C. | CHKD F.F. | APPROVED Delon Hampton | SCALE 1/8"=1'-0" | DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

SHEET NUMBER 116 OF 192

DRAWING NO. 3-S-29

© POLYTRACE 033

AF 14446

REPEAT CLARIFIER AS BELOW.

B 3-S-37

G 3-S-39

SLUDGE PUMPING STATION. SEE FOUNDATION 3-S-43

INSIDE WALL FACE

6" TRENCH FOR WEAR WALL

1'-0" SQ. SLUDGE COLLECTOR SHAFT SUPPORT (WIDTH AS PER MANUF.)

DRAIN SUMP

END OF HYDRAULIC DIVIDING WALL

12"THICK CONC. HYDRAULIC DIVIDING WALL

12"x12" CONC. COLUMNS (TYP.)

SEE SECTION B-3-S-37

6" TRENCH FOR WEAR RAIL

1'-6" THICK CONC. WALL

1'-6" (TYP.)

ADD 28 PILES

ELIMINATE 10 PILES

FLOCCULATION BASINS SEE DWG. 3-S-22

C 3-S-37

EFFLUENT TROUGH ABOVE

FOUNDATION

SCALE: 1/8 = 1'=0"

NO.	DATE	BY	DESCRIPTION	PLACES
12	10/82	BT	REVISE SLUDGE DIV WALL	5
11	10/82	BT	ADD @ TRENCH FOR WEAR RAIL	8
10	10/82	BT	DIMENSIONS REVISED	1
9	10/82	BT	REVISE COLUMN DESIGN	2
5	10/82	BT	REVISE SUMP DIMENSIONS	1
2	10/82	BT	REMOVE 12'-0" TROUGH	1
1	10/82	BT	REMOVE DIV. WALL + COLS.	4

REVISIONS

NO.	DATE	BY	DESCRIPTION	PLACES
18		T&B	AS BUILT	1
17	8/83	KM	DELETE SLUDGE DIV. WALL	5

PC020

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIERS FOUNDATION PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN J.B. | DRWN N.MC. | CHKD F.F. | APPROVED Delon Hampton | SCALE 1/8=1'-0" | DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

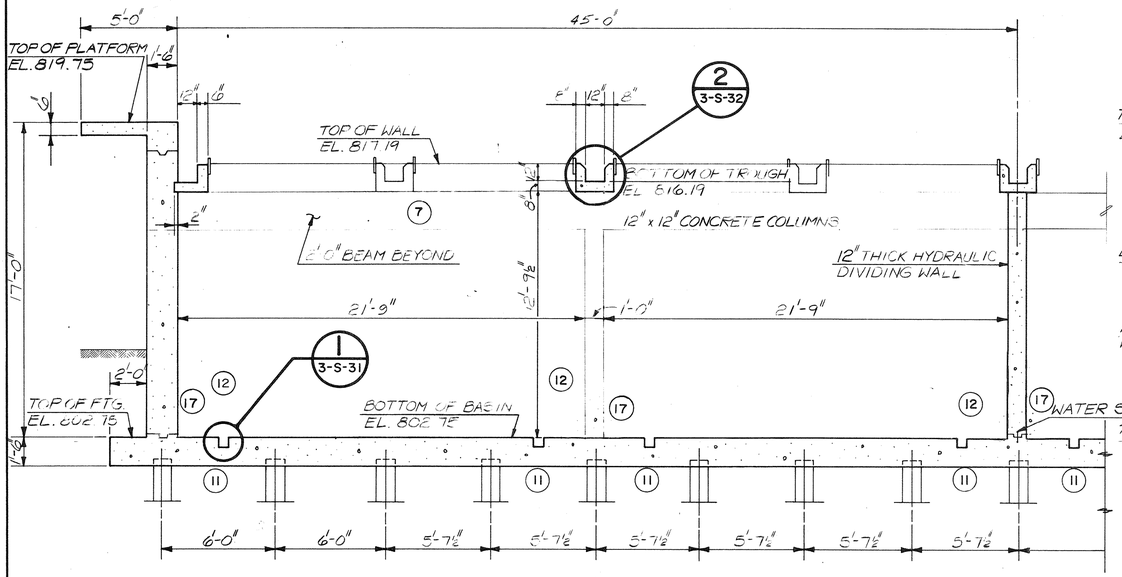
LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

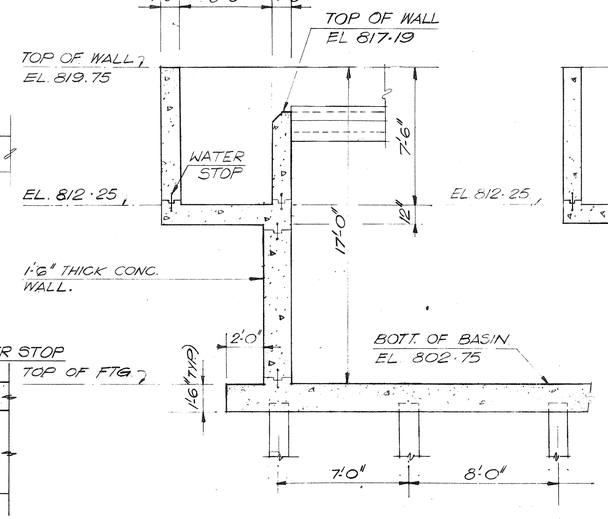
SHEET NUMBER 117 OF 192

DRAWING NO. 3-S-30

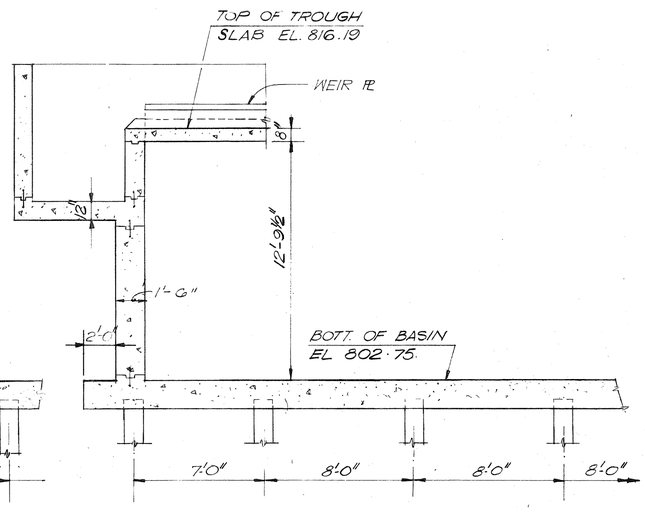
POLYTRACE 033



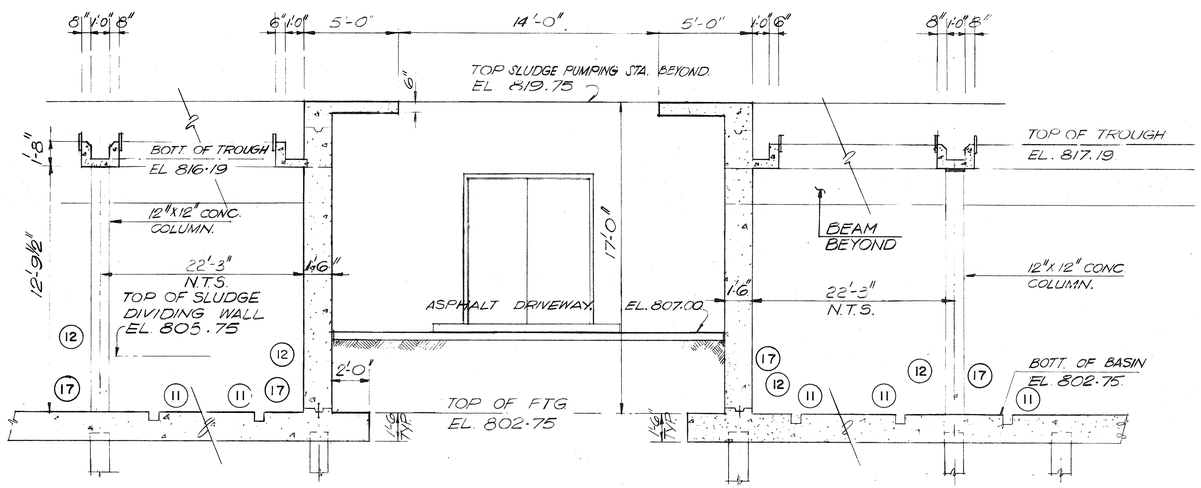
SECTION D
SCALE: 1/4" = 1'-0" — 3-S-31 / 3-S-29



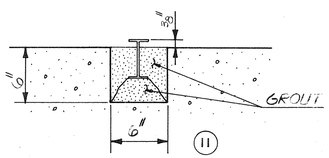
SECTION E
SCALE: 1/4" = 1'-0" — 3-S-31 / 3-S-29



SECTION F
SCALE: 1/4" = 1'-0" — 3-S-31 / 3-S-29



SECTION A
SCALE: 1/4" = 1'-0" — 3-S-31 / 3-S-28



DETAIL 1
SCALE: NONE — 3-S-31

PC020

NO.	DATE	BY	DESCRIPTION	PLACES
		T&B	AS BUILT	
17	8/83	RM	DELETE SLUDGE DIV. WALL	7
7	10/82	BT	ADD 2'-0" DEEP BEAM	1
12	10/82	BT	REVISE SLUDGE DIV. WALL	7
13	10/82	BT	REVISE SECTION "D"	1
11	10/82	BT	ADD WEAR RAIL TROUGH DETAIL	11

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIERS SECTIONS AND DETAILS-I

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

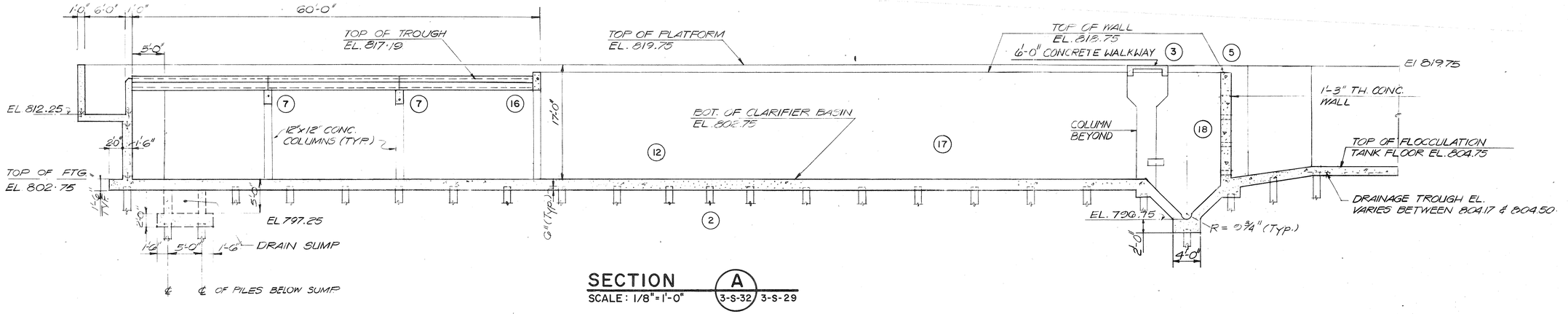
DSGN	J.S.	APPROVED	Delon Hampton
DRWN	N.M.C.		
CHKD	F.F.	SCALE 1/4" = 1'-0"	DATE FEB., 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

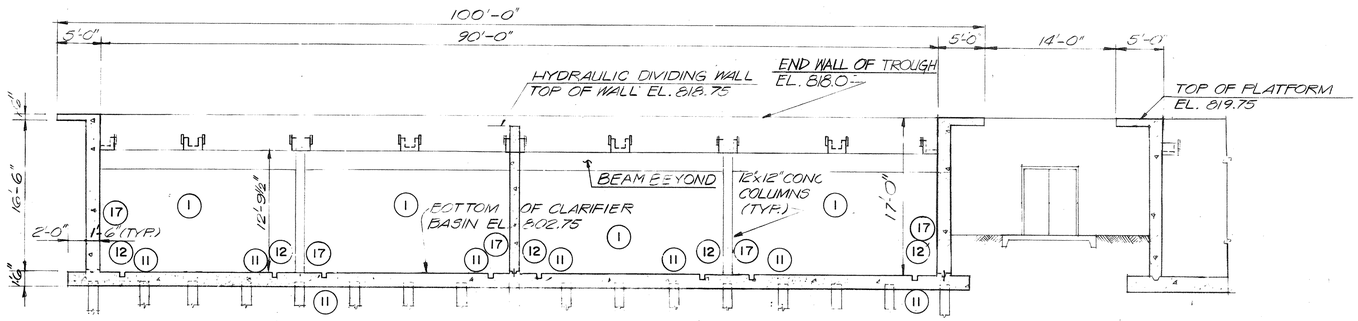
APPROVED

SHEET NUMBER 118 OF 192

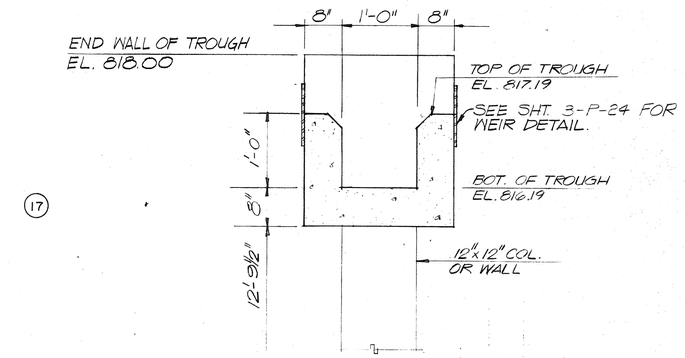
DRAWING NO. 3-S-31



SECTION A
SCALE: 1/8"=1'-0" 3-S-32 3-S-29



SECTION B
SCALE: 1/8"=1'-0" 3-S-32 3-S-28



DETAIL 2
SCALE: 1"=1'-0" 3-S-32

NO.	DATE	BY	DESCRIPTION	PLACES
		TEB	AS BUILT	
18	8/83	RM	DELETE SUMP PIPE SUPPORT	1
17	8/83	RM	DELETE SLUDGE DIV. WALLS	7
16	10/82	BT	ADD 3'-3" BEAM	1
15	10/82	BT	REMOVE SECTION "C"	1
11	10/82	BT	ADD 8" TRENCH FOR WEAR RAIL	8
1	10/82	BT	REMOVE DIV. WALLS & COLUMNS	4
14	10/82	BT	REVISE DETAIL "1"	1
5	10/82	BT	REMOVE SUMP PIPE SUPP. SLAB	1
2	10/82	BT	REVISE 12'-0" TROUGH	1
12	10/82	BT	ADD REVISED SLUDGE DIV. WALL	6
3	10/82	BT	ADD 6'-0" WALKWAY & COLS.	1
7	10/82	BT	ADD 2'-0" BEAMS	2

PC029
PC020

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIERS SECTIONS AND DETAILS-II

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN J.B. | DRWN N.M.C. | CHKD F.F.
APPROVED Delon Hampton
SCALE AS SHOWN DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

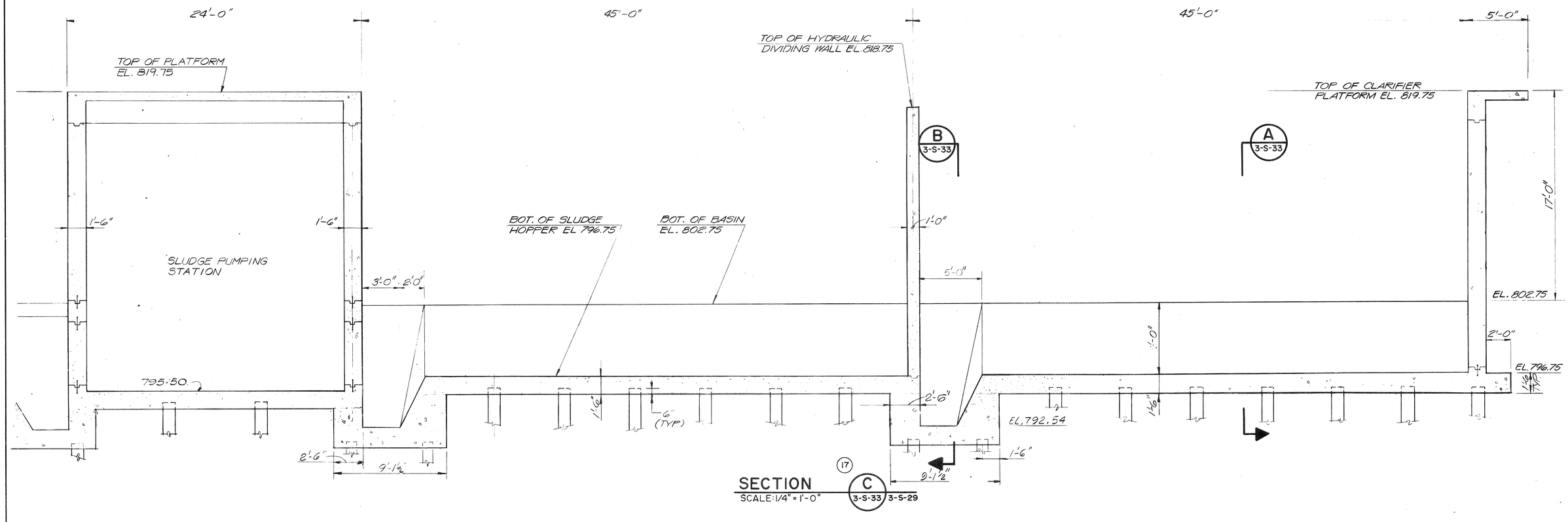
LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

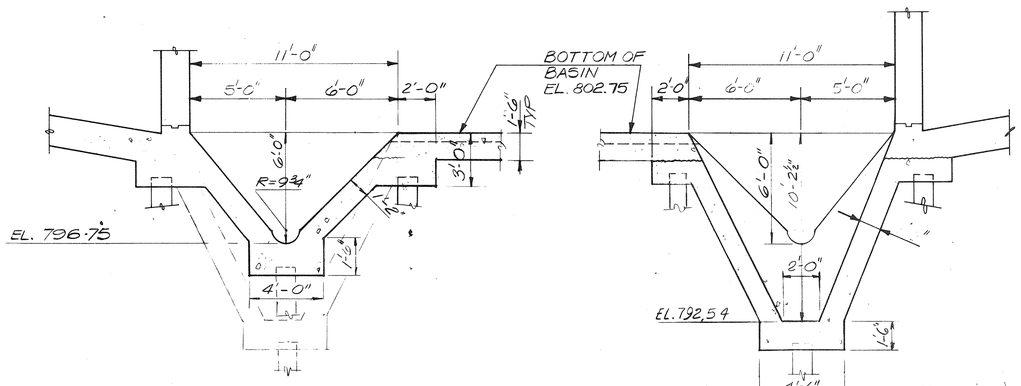
DRAWING NO. 3-S-32

SHEET NUMBER 119 OF 192

(15)



SECTION (17) C
SCALE: 1/4" = 1'-0"
3-S-33 3-S-29



SECTION (18) A
SCALE: 1/4" = 1'-0"
3-S-33

SECTION (19) B
SCALE: 1/4" = 1'-0"
3-S-33

NO.	DATE	BY	DESCRIPTION	PLACES
		T&B	AS BUILT	
19	10/82	BT	REVISE SECTION "B"	1
18	10/82	BT	REVISE SECTION "A"	1
17	10/82	BT	REVISE SECTION "C"	1

REVISIONS

INTRENCHMENT CREEK COMBINED
SEWER OVERFLOW TREATMENT FACILITY

CLARIFIERS
SECTIONS AND DETAILS III

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

DSGN	J.B.	APPROVED	
DRWN	M.C.	Delon Hampton	
CHKD	F/F.	SCALE 1/4" = 1'-0"	DATE FEB. 1981

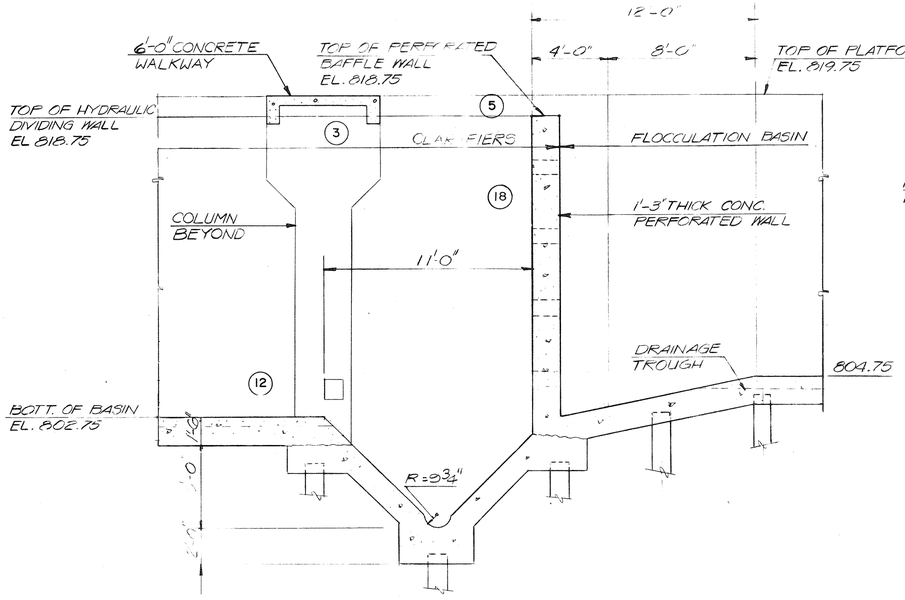
LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

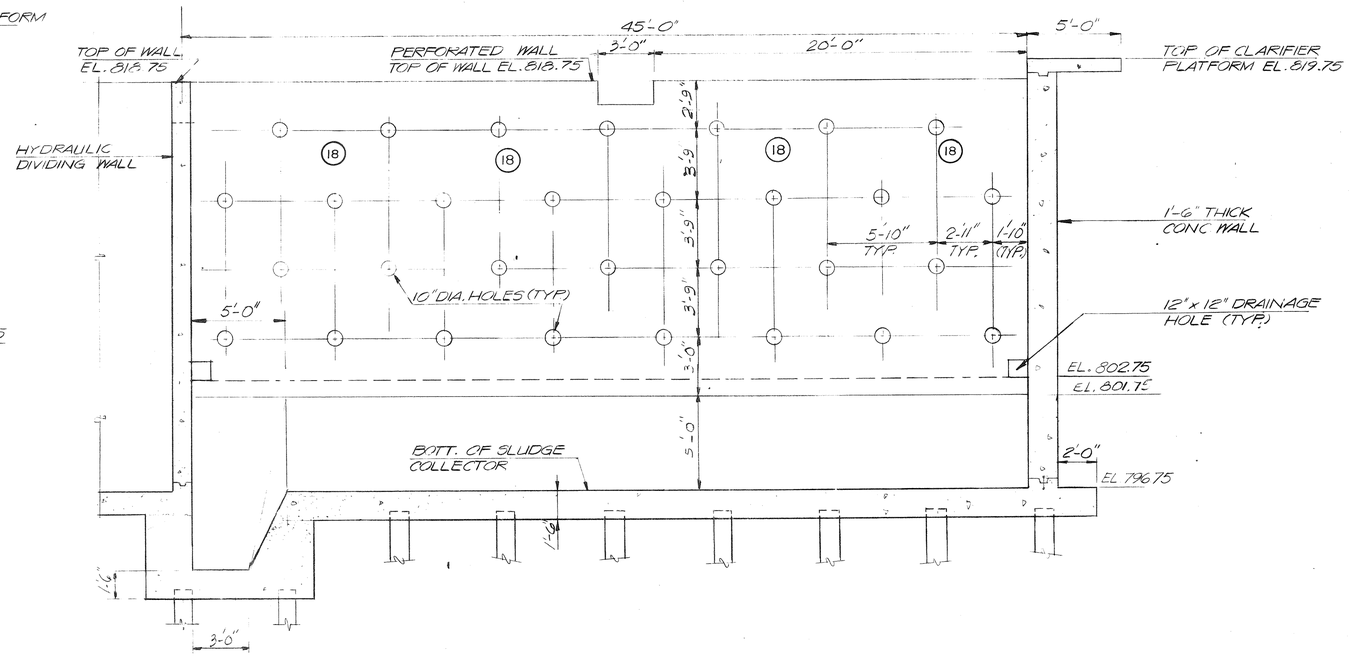
DRAWING NO. 3-S-33

SHEET NUMBER 120 OF 192

© POLYTRACE 033



SECTION K
SCALE: 1/4" = 1'-0" 3-S-34 3-S-29



SECTION L
SCALE: 1/4" = 1'-0" 3-S-34 3-S-29

P.C.D.

NO.	DATE	BY	DESCRIPTION	PLACES
		T&B	AS BUILT	
18	8/83	RM	DELETE SCUM PIPE SUPPORTS	5
5	10/83	BT	REMOVE PLATFORM SUPPORT	1
3	10/82	BT	ADD 6'-0" WALKWAY & COLUMN	1
12	10/82	BT	REVISE 3'-0" DIVIDING WALL	1

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIERS SECTIONS AND DETAILS-IV

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	J.B.	APPROVED	Delon Hampton
DRWN	M.C.		
CHKD	F.F.	SCALE AS SHOWN	DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

LAND LOT 111	DISTRICT 15	DEKALB COUNTY
APPROVED		SHEET NUMBER 121 OF 192
DRAWING NO. 3-3-.4		

A.F. 14446

#5@12"OC/O.F
#9@6"OC/I.F

5 @ 12" O.C MAX O.F (VERTICALLY.)
9 @ 6" O.C. MAX. I.F (VERTICALLY.)

5@12"O.C O.F
9@6"O.C. I.F

#5@12" E.F.

#8@12"I.F
#5@12"O.F

#5@12" DWL. O.C./E.F.

#8@12"OC/OF
#6@12" OC/I.F.

SLUDGE PUMPING STATION

#5@12"

#8@12"I.F
#5@12"O.F

#5@12" DWL.

5 @ 12" O.C. MAX. E.F. HORIZONTALLY.

CONSTRUCTION JOINT (TYP.) @ 30'-0" INTERVALS

17

5 @ 12" O.C. MAX. O.F. (VERTICALLY.)
9 @ 6" O.C. MAX. I.F. (VERTICALLY.)

5 @ 12" O.C MAX. E.F. (VERTICALLY.)
(EXTERIOR TROUGH WALL, SHOWN FOR CLARITY)

5 @ 12" O.C. MAX. O.F (VERTICALLY.)
10 @ 6" O.C. MAX. I.F (VERTICALLY.)

19'-6"

20'-0" N.T.S.

20'-0"

6"

1

2

17

FOR DETAILED REINF OF CONC. COLUMNS SEE E / 3-S-40

M / 3-S-38

5 @ 12" O.C. MAX. E.F HORIZONTALLY.

5'-0"

4'-0"

N / 3-S-38

5'-3"

8

MATCH LINE (SEE DWG. NO. 3-S-36)

DRAIN SUMP SEE DWG. 3-S-30

5 @ 12" O.C. MAX. E.F HORIZONTALLY.

12" THICK HYDRAULIC DIVIDING WALL.

5 @ 12" O.C. MAX. E.F. HORIZONTALLY.

17

1

5 @ 12" O.C. MAX. E.F. (VERTICALLY.)

5 @ 12" O.C MAX. E.F. (VERTICALLY.)

6'-0"

5'-0"

5 @ 12" O.C. MAX. E.F. VERTICALLY & HORIZONTALLY.

5 @ 12" O.C. MAX. O.F. (VERTICALLY.)
9 @ 6" O.C. MAX. I.F. (VERTICALLY.)

5 @ 12" O.C. MAX. E.F. VERTICALLY & HORIZONTALLY.

MATCH LINE (SEE DWG No. 3-S-36)

5@12"O.C E.F VERTICALLY.

5@12"O.C E.F VERTICALLY.

D / 3-S-40

℄ TROUGH.

SECTIONAL PLAN AT ELEV. 802.75

SCALE: 1/4"= 1'-0"

PO320

NO.	DATE	BY	DESCRIPTION	PLACES
		TJB	AS BUILT	
17	8/82	RM	DELETE SLUDGE DIV. WALL	2
2	10/82	BT	REMOVE 12'-0" TROUGH	1
6	10/82	BT	REVISE SUMP DIMENSIONS	1
1	10/82	BT	REMOVE DIV. WALL & COLUMNS	2

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIERS
SECTIONAL REINFORCEMENT PLAN I

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN J.B. | DRWN N.MC. | CHKD F.F.

APPROVED Delon Hampton

SCALE 1/4"= 1'-0" DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

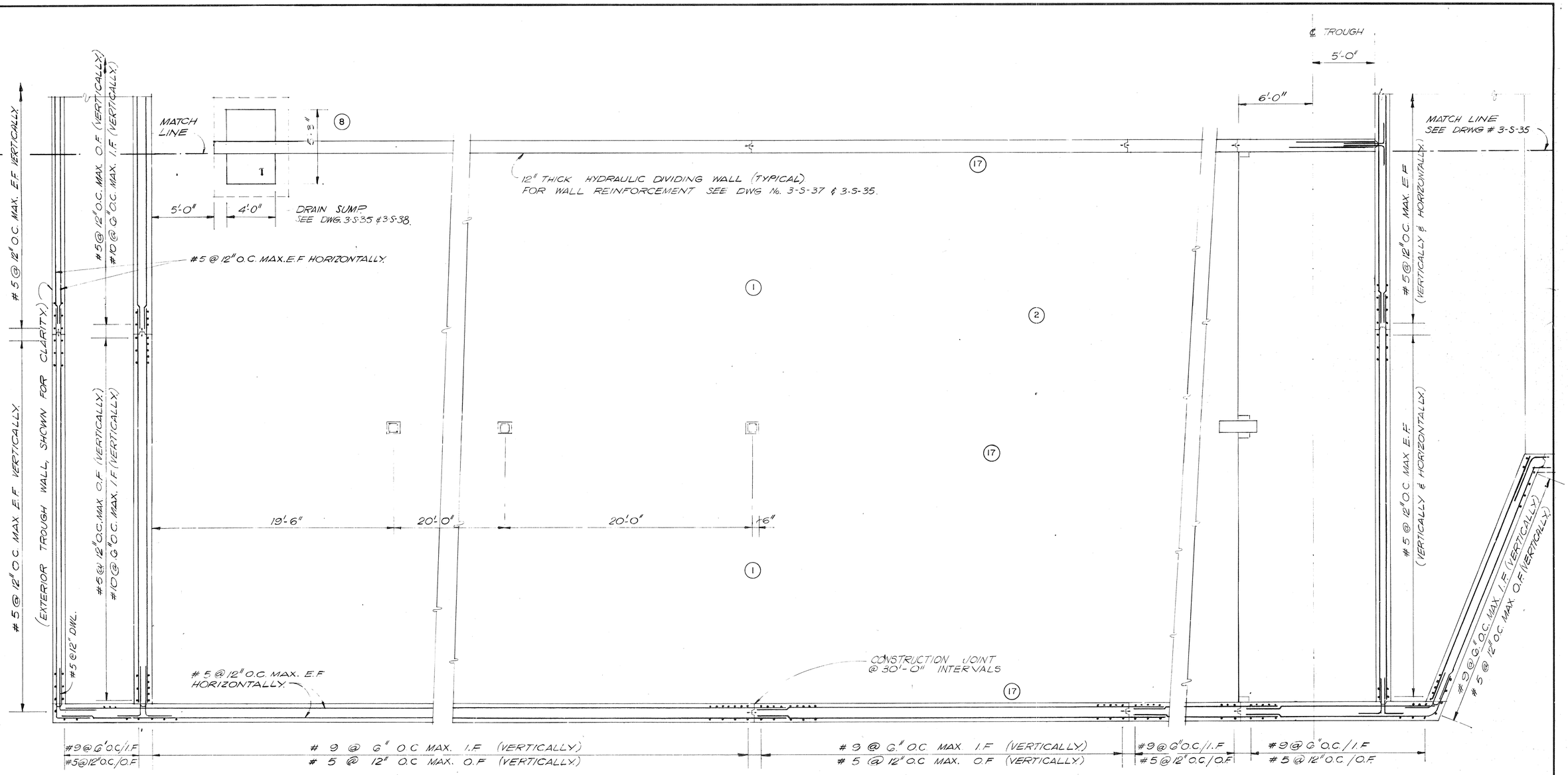
APPROVED

DRAWING NO. 3-S-35

SHEET NUMBER 122 OF 192

POLYTRACE 033

A.F. 14446



SECTIONAL PLAN
SCALE: 1/4 = 1'-0" AT ELEV. 802.75

PC020

NO.	DATE	BY	DESCRIPTION	PLACES
		T&B	AS BUILT	
17	8/83	RM	DELETE SLUDGE DIV. WALL	3
6	10/82	BT	REVISE SUMP DIMENSIONS	1
2	10/82	BT	REMOVE 12'-0" TROUGH	1
1	10/82	BT	REMOVE DIV. WALL + COLUMNS	2

REVISIONS

INTRENCHMENT CREEK COMBINED
SEWER OVERFLOW TREATMENT FACILITY

CLARIFIERS
SECTIONAL REINFORCEMENT PLAN II

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	J.B.	APPROVED	Delon Hampton
DRWN	N.Mc.		
CHKD	F.F.	SCALE	1/4"=1'-0"
		DATE	FEB., 1981

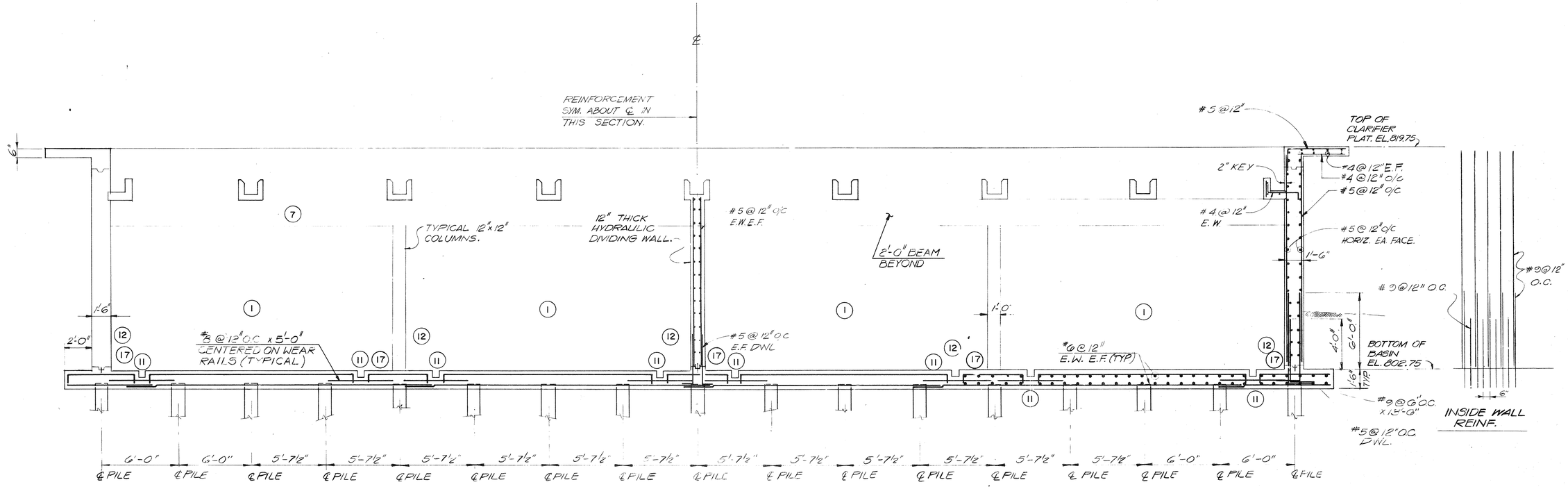
LAND LOT 111 DISTRICT 15 DEKALB COUNTY

APPROVED

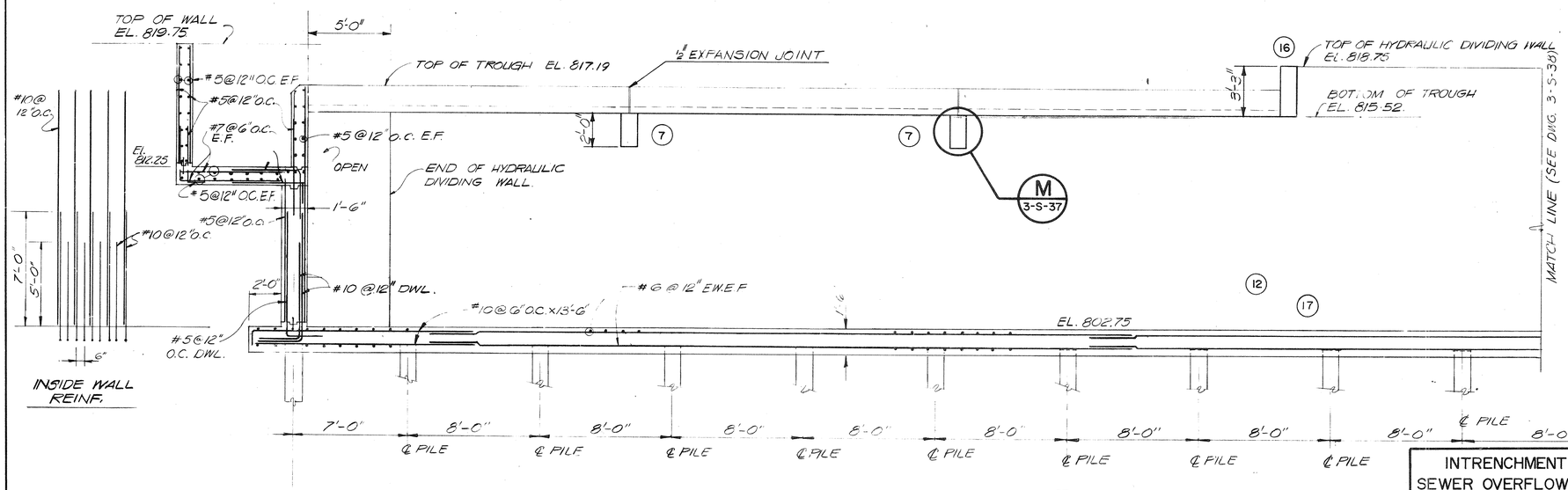
DRAWING NO. 3-S-36

SHEET NUMBER 123 OF 192

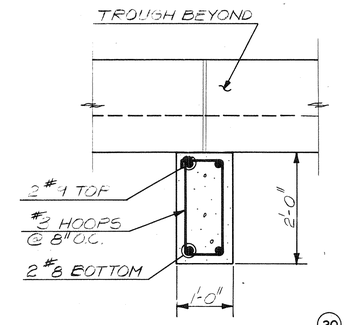
1" POLYTRACE 033



SECTION (B)
SCALE: 1/4" = 1'-0" (3-S-37) 3-S-30



SECTION (C)
SCALE: 1/4" = 1'-0" (3-S-37) 3-S-30



SECTION (M)
SCALE: 3/4" = 1'-0" (3-S-37) 3-S-29

NO.	DATE	BY	DESCRIPTION	PLACES
		T&R	AS BUILT	
16	10/82	BT	ADD 3'-3" BEAM	1
11	10/82	BT	ADD 6 TRENCH FOR WEAR RAIL	3
7	10/82	BT	ADD 2'-0" BEAMS	3
12	10/82	BT	REVISE SLUDGE DIV. WALLS	6
1	10/82	BT	REMOVE DIV. WALLS & COLS.	4
20	10/82	BT	ADD SECTION "M"	1

REVISIONS

NO.	DATE	BY	DESCRIPTION	PLACES
PCO 20				
17	8/83		DELETE SLUDGE DIV. WALL	6

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIERS SECTIONS & DETAILS V

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN J.B. | DRWN M.C. | CHKD F.F. | APPROVED Delon Hampton | SCALE AS SHOWN | DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

LAND LOT 71 | DISTRICT 15 | DEKALB COUNTY

APPROVED

DRAWING NO. 3-S-37

SHEET NUMBER 124 OF 192

1st POLYTRACE 033

MATCH LINE (SEE DWG. NO 3-S-37)

TOP OF HYDRAULIC DIVIDING WALL EL. 818.75

6'-0" CONCRETE WALKWAY

COLUMN BEYOND

#5 @ 12" O.C. MAX. E.W.E.F. SPACED TO MISS PERFORATIONS SEE DETAIL 3 / 3-S-40

BOTTOM OF FLOCCULATION BASINS. EL. 804.75

#6@12" E.W.E.F

EL. 802.75

#6 @ 12" E.W.E.F.

1 / 3 S-38

#5@12" O.C. E.W.E.F

4 #5 TOP & BOTTOM (TYP.) #3 STIRRUPS @ 12"

TYPICAL

5'-4½" 5'-4½"

8'-0" 6'-6" 6'-6" 8'-1½" 8'-1½" 8'-1½" 8'-1½" 8'-1½" 8'-1½" 8'-3" 6'-6" 6'-6"

℄ PILE ℄ PILE ℄ PIPE ℄ PIPE ℄ PILE ℄ PILE ℄ PILE ℄ PILE ℄ PILE ℄ PILE ℄ PILE

(2) (17) (12) (3) (18)

SECTION M
SCALE: 3/8 = 1'-0" 3-S-38 3-S-35

TOW. 805.75

HYDRAULIC DIVIDING WALL

#6@12" E.F

EL. 802.75

#5@12" E.F

#6@12" E.F

PILE

#6@12" E.F

EL. 797.25

#5@12" DWL.

℄ PILE.

#6@12" E.F

1'-6" 5'-6" 5'-6"

1'-6" 3'-6" 3'-6" 1'-6"

SECTION C
SCALE: 1/4" = 1'-0" 3-S-38 3-S-30

1'-6" CONC. WALL

5'-0" OPEN SPACE.

END OF HYDRAULIC DIVIDING WALL.

EL. 802.75

#5@12" E.F

#5@12" E.F

#6@12" E.W.

#6@12" E.F

4'-0"

1'-6"

5'-6"

EL. 797.25

#6 @ 12" E.F

#5@12" DWL.

15'-0"

℄ PILE.

℄ PILE SEE DWG 3-S-30

1'-6" 5'-0" 1'-6"

SECTION N
SCALE: 3/8=1'-0" 3-S-38 3-S-35

℄ TROUGH

2'-0" 6'-0"

1'-6"

3'-0"

4 #5 TOP & BUTT #3 STIRRUPS @ 12"

DETAIL 1
1/2" = 1'-0" 3-S-38

PC023
PC020

NO.	DATE	BY	DESCRIPTION	PLACES
A		JKB	AS BUILT	
18	8/83	R.M.	DELETE SCUM PIPE SUPPORT	1
17	6/83	R.M.	DELETE SLUDGE DIV. WALL	3
12	10/82	BT	REVISE SLUDGE DIV. WALL	3
3	10/82	BT	ADD 6'-0" WALKWAY	1
2	10/82	BT	REMOVE 12'-0" TROUGH	1

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIERS
SECTIONS & DETAILS VI

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN J.B. | DRWN M.C. | CHKD F.F.

APPROVED Delon Hampton

SCALE 1/4" = 1'-0" DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

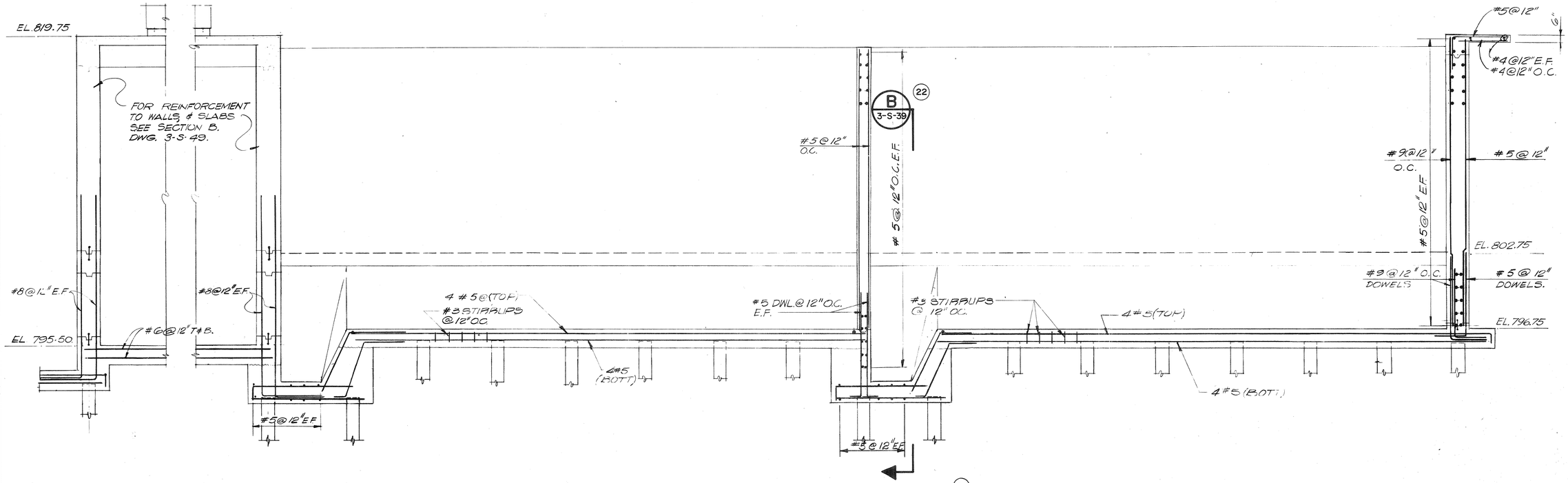
LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

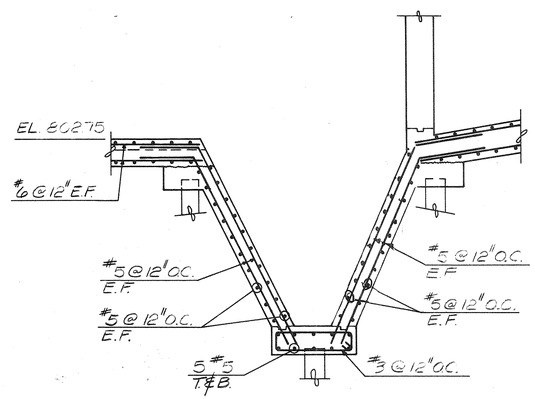
SHEET NUMBER 125 OF 192

DRAWING NO. 3-S-38

© POLYTRACE 033



SECTION G (21)
SCALE: 1/4"=1'-0" 3-S-39 3-S-30



SECTION B (22)
SCALE: 1/4"=1'-0" 3-S-39

(17) (18) (23)

NO.	DATE	BY	DESCRIPTION	PLACES
		TJB	AS BUILT	
18	6/83	KM	DELETED SECT. A (SCUM PIPE SUPPORT)	1
17	5/83	KM	DELETED SLUDGE DIV. WALL	1
23	1/82	BT	REVISE DETAIL "1"	1
22	10/82	BT	REVISE SECTION "B"	1
21	10/82	BT	REVISE SECTION "G"	1
B	7/82	B.T.	REV. SUMP - SEC. "G"	2
A	3/82	B.T.	REV. SEC. "A"	1

REVISIONS

FC023
P.023

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIERS
SECTIONS AND DETAILS- VII

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	J.E.	APPROVED Delon Hampton
DRWN	N.MS	
CHKD	B.P.	SCALE AS SHOWN DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

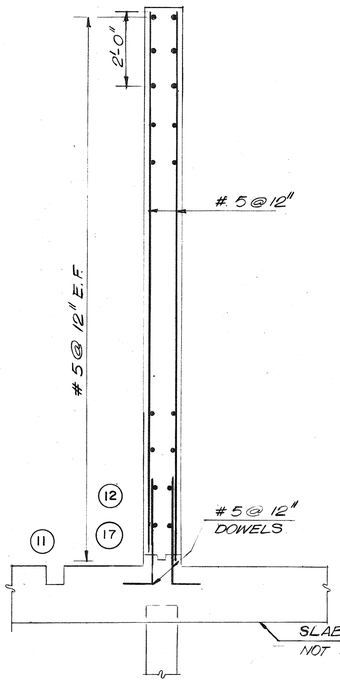
LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

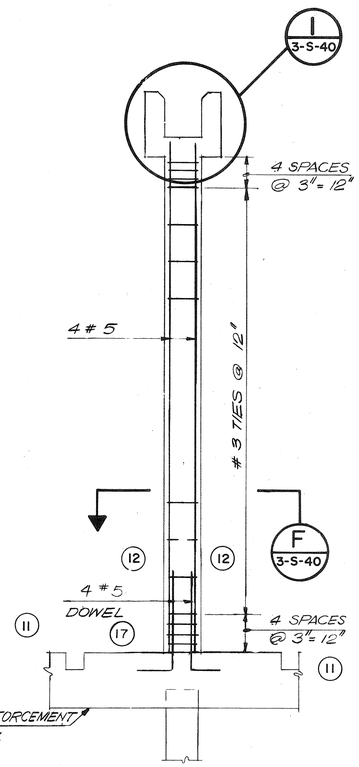
DRAWING NO. 3-S-35

SHEET NUMBER 126 OF 192

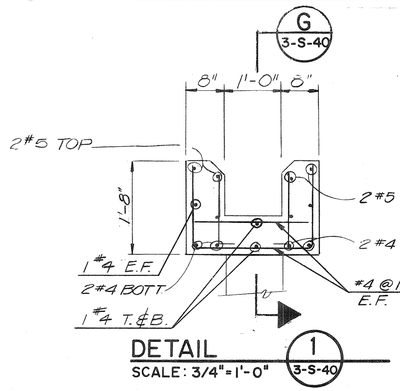
POLYTRACE 033



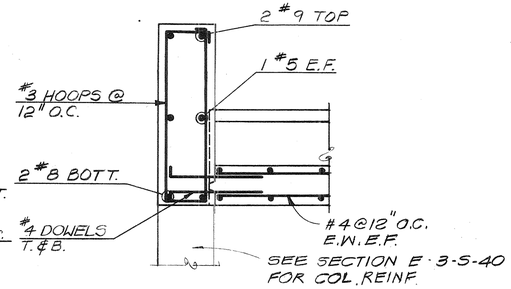
SECTION D
SCALE: 1/2" = 1'-0" (3-S-40) 3-S-35



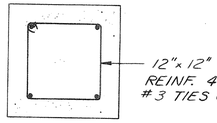
SECTION E
SCALE: 1/2" = 1'-0" (3-S-40) 3-S-35



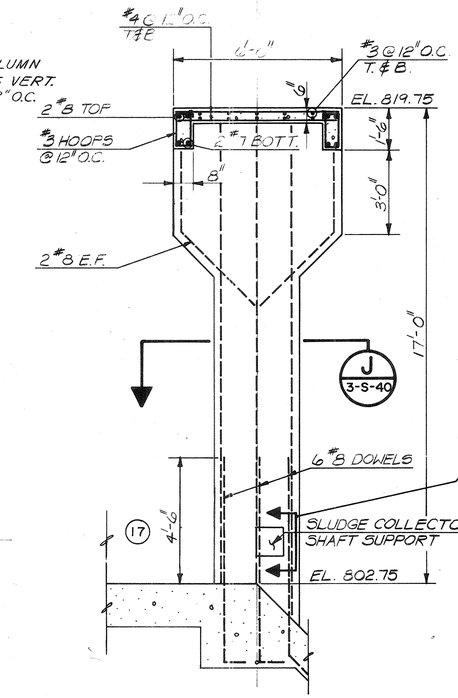
DETAIL 1
SCALE: 3/4" = 1'-0" (3-S-40)



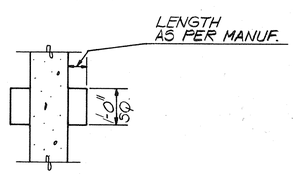
SECTION G
SCALE: 3/4" = 1'-0" (3-S-40)

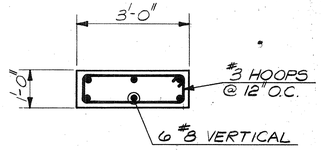


SECTION F
SCALE: 1½" = 1'-0" (3-S-40)

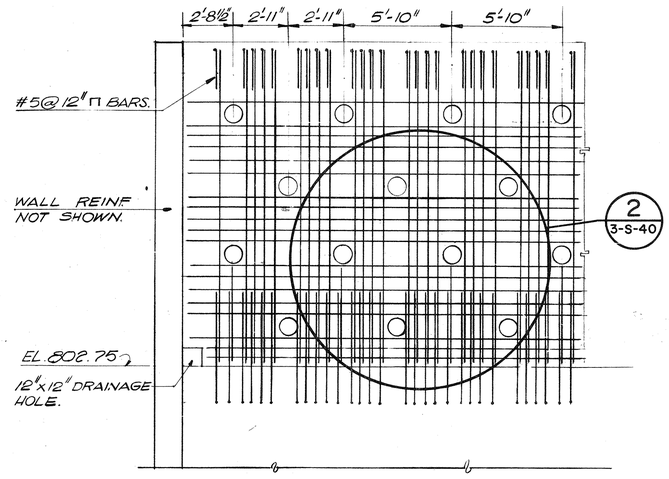


SECTION J
SCALE: 1/2" = 1'-0" (3-S-40) (25)

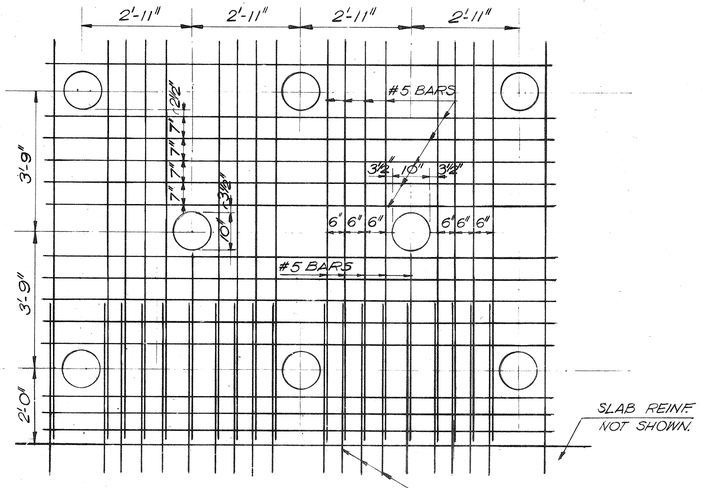




SECTION H
SCALE: 3/8" = 1'-0" (3-S-40) 3-S-29 (24)



TYP. PERFORATED BAFFLE WALL REINFORCEMENT
SCALE: 1/4" = 1'-0"



DETAIL 2
SCALE: 1/2" = 1'-0" (3-S-40)

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
26	7/83	TJB	AS BUILT	
17	8/83	RM	DELETE SLUDGE DIV. WALL	3
12	10/82	BT	ADD SLUDGE DIV. WALL	3
25	10/82	BT	ADD SECTION "J"	1
24	10/82	BT	ADD SECTION "H"	1
11	10/82	BT	ADD 6" TRENCH FOR WEAR RAIL	3

PC020

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIERS SECTIONS AND DETAILS - VIII

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED No. 9963 PROFESSIONAL ENGINEER Expires ____ DELON HAMPTON

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

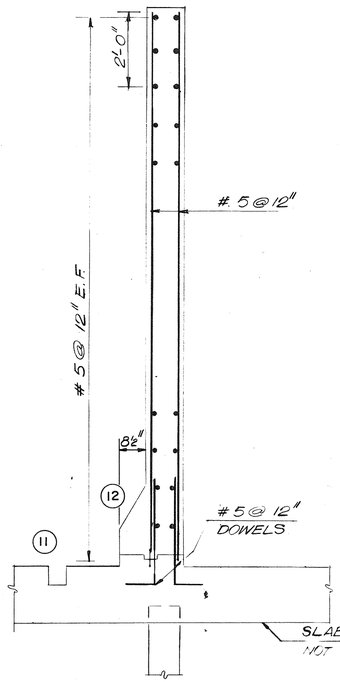
DSGN	J.B.	APPROVED	D. Jones Hampton
DRWN	N.M.C.	SCALE	AS SHOWN
CHKD	F.F.	DATE	FEB., 1981

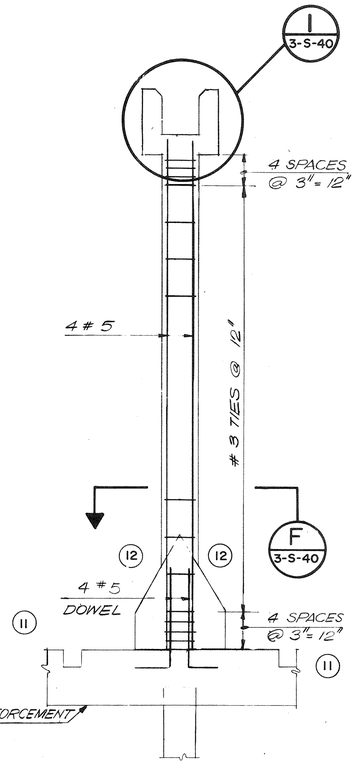
LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

DRAWING NO. 3-S-40

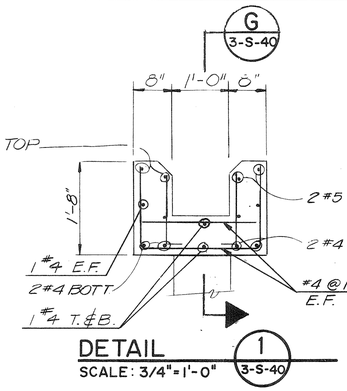
SHEET NUMBER 127 OF 192



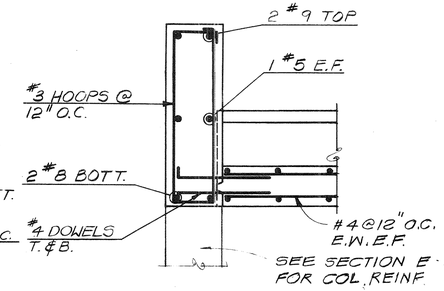


SECTION D
SCALE: 1/2"=1'-0" 3-S-40 3-S-35

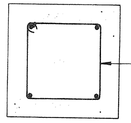
SECTION E
SCALE: 1/2"=1'-0" 3-S-40 3-S-35



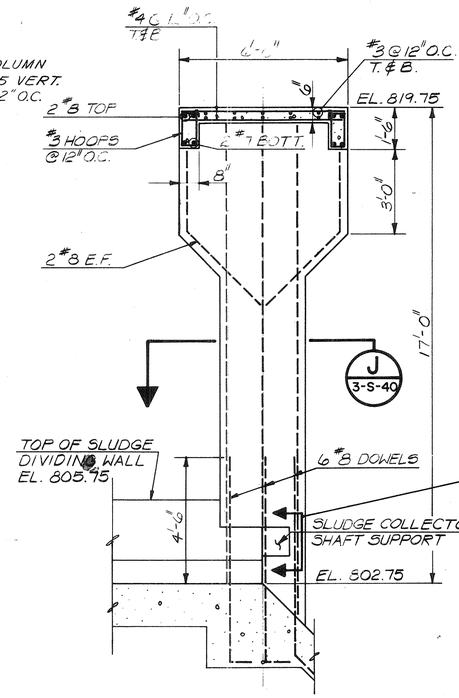
DETAIL 1
SCALE: 3/4"=1'-0" 3-S-40



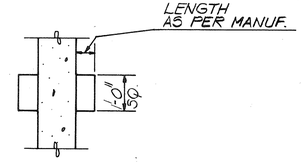
SECTION G
SCALE: 3/4"=1'-0" 3-S-40

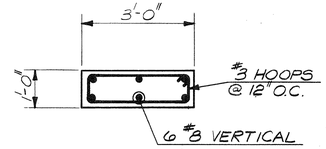


SECTION F
SCALE: 1½"=1'-0" 3-S-40

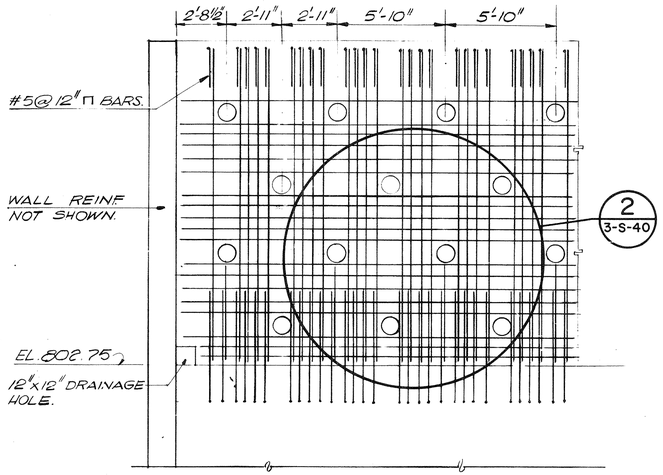


SECTION H (24)
SCALE: 3/8"=1'-0" 3-S-40 3-S-29

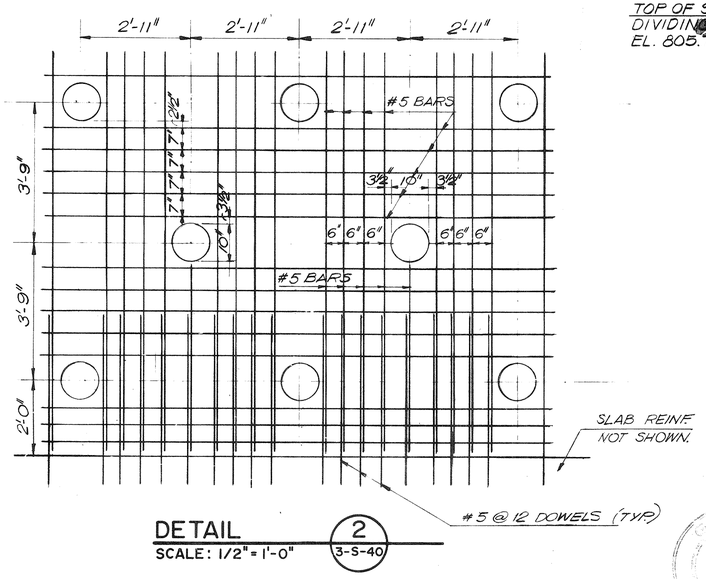




SECTION J (25)
SCALE: 1/2"=1'-0" 3-S-40



TYP. PERFORMANCE BAFFLE WALL REINFORCEMENT
SCALE: 1/4"=1'-0"



DETAIL 2
SCALE: 1/2"=1'-0" 3-S-40

NO.	DATE	BY	DESCRIPTION	PLACES
		T&B	AS BUILT	
12	10/82	BT	ADD SLUDGE DIV. WALL	3
25	10/82	BT	ADD SECTION "J"	1
24	10/82	BT	ADD SECTION "H"	1
11	10/82	BT	ADD 6" TRENCH FOR WEAR RAIL	3

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CLARIFIERS
SECTIONS AND DETAILS - VIII

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	J.B.	APPROVED	Delon Hampton
DRWN	N.Mc.	SCALE: AS SHOWN	DATE FEB., 1981
CHKD	F.F.		

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

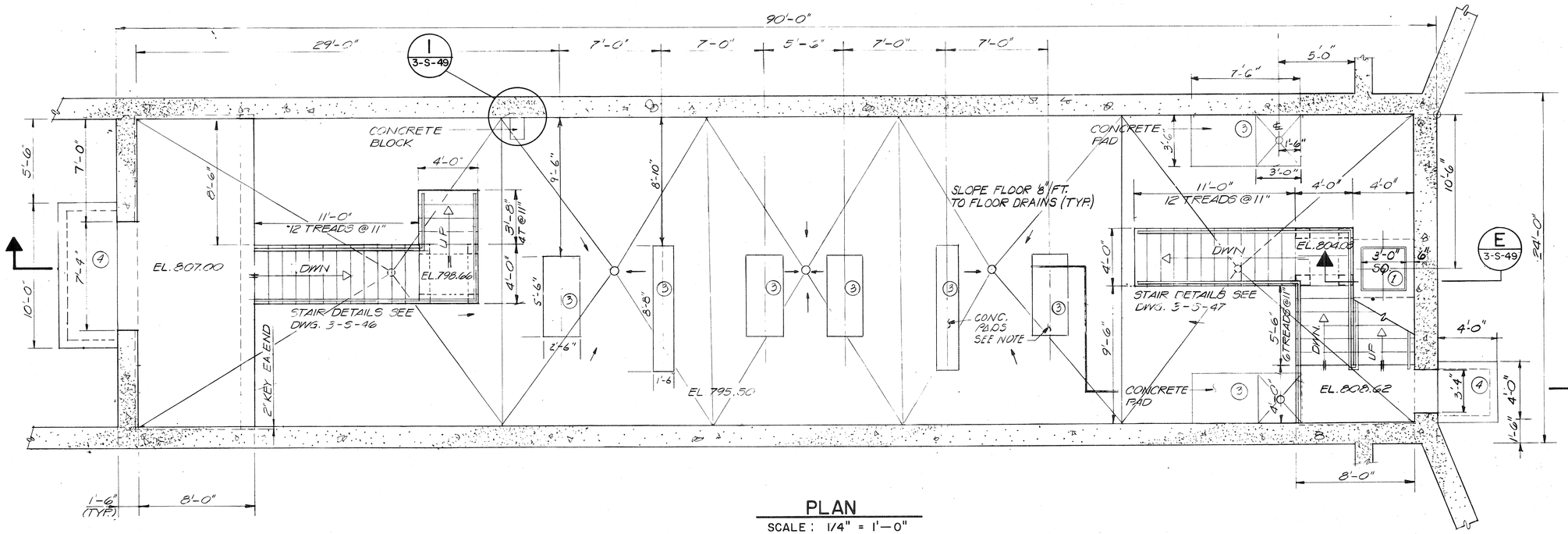
LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

DRAWING NO. 3-S-40

SHEET NUMBER 127 OF 192

AF 14446



PLAN

SCALE : 1/4" = 1'—0"

NOTE: ALL EQUIPMENT PADS AS PER APPROVED MANUF. SHOP DWGS.

NO.	DATE	BY	DESCRIPTION	PLACES
5		JSB	AS BUILT	1
4	11/80	JB	REVISE DOOR OPNG.	2
3	11/80	JB	REVISE PAD LOCATIONS	6
1	3/80	BT	ADD SUMP TO PLAN	1

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE PUMPING STATION FLOOR PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	J.B.	APPROVED	Delon Hampton
DRWN	R.J.	SCALE	1/4"=1'-0"
CHKD	F.F.	DATE	FEB., 1981

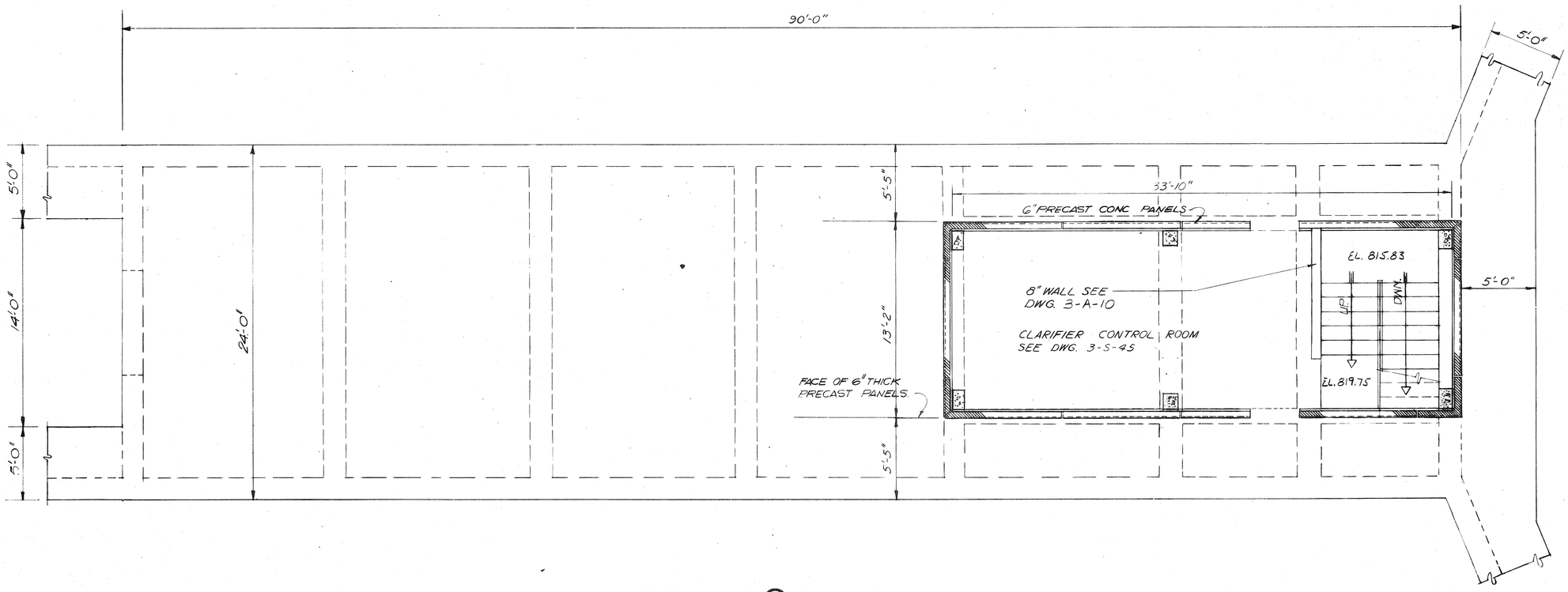
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111	DISTRICT 15	DEKALB	COUNTY
APPROVED		SHEET NUMBER	128 OF 192
DRAWING NO. 3-S-41			

POLYTRACE 033

AF 14446



ROOF PLAN @ EL. 819.75

SCALE: 1/4" = 1' - 0"

NO.	DATE	BY	DESCRIPTION	PLACES
1		TSB	AS BUILT	1

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE PUMPING STATION ROOF PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED No. 9165 PROFESSIONAL Expires ENGINEER DELON HAMPTON

DSGN	J.B.	APPROVED	Delon Hampton
DRWN	R.J.	SCALE	1/4"=1'-0"
CHKD	F.F.	DATE	FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

DRAWING NO. 3-S-42

SHEET NUMBER 129 OF 192

POLYTRACE 033

88'-6"

CLARIFIER EL. 802.75
FOR FOUNDATION SEE DWG. 3-S-30

2'-0" TYP.

9" TYP.

9" TYP.

1'-6" (TYP.)

FOOTING PROTECTION BELOW SLUDGE PUMPING STATION.

22'-6"

7'-6"

7'-6"

7'-6"

9"

LOCATION OF PILES BELOW SLAB.

TOP OF SLAB
EL. 795.50

1'-6"

4'-4½"

4'-4½"

6'-6"

9"

3'-0"

6"

10'-6"

E
3-S-49

1

6'-6"

6'-6"

3'-3"

1'-6"

4'-0"

4'-0¾" 4'-0¾" 4'-0¾" 4'-0¾" 4'-0¾" 4'-0¾" 4'-0¾" 4'-0¾" 4'-0¾" 4'-0¾" 4'-0¾" 4'-0¾" 4'-1½" 4'-1½"

2'-0" 6'-0" 5'-0" 3'-0"

FOUNDATION PLAN.

SCALE : 1/4" = 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
3		TSB	AS BUILT	1
2	11/82	PM	REMOVED CROSS COLLECTOR	2
1	3/82	B.T.	ADD SUMP TO PLAN	1

REVISIONS

INTRENCHMENT CREEK COMBINED
SEWER OVERFLOW TREATMENT FACILITY

SLUDGE PUMPING STATION
FOUNDATION PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	F.F.	APPROVED	Delon Hampton
DRWN	R.J.	SCALE	1/4"=1'-0"
CHKD	J.B.	DATE	FEB. 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

DRAWING NO. 3-S-43

SHEET NUMBER 130 OF 192

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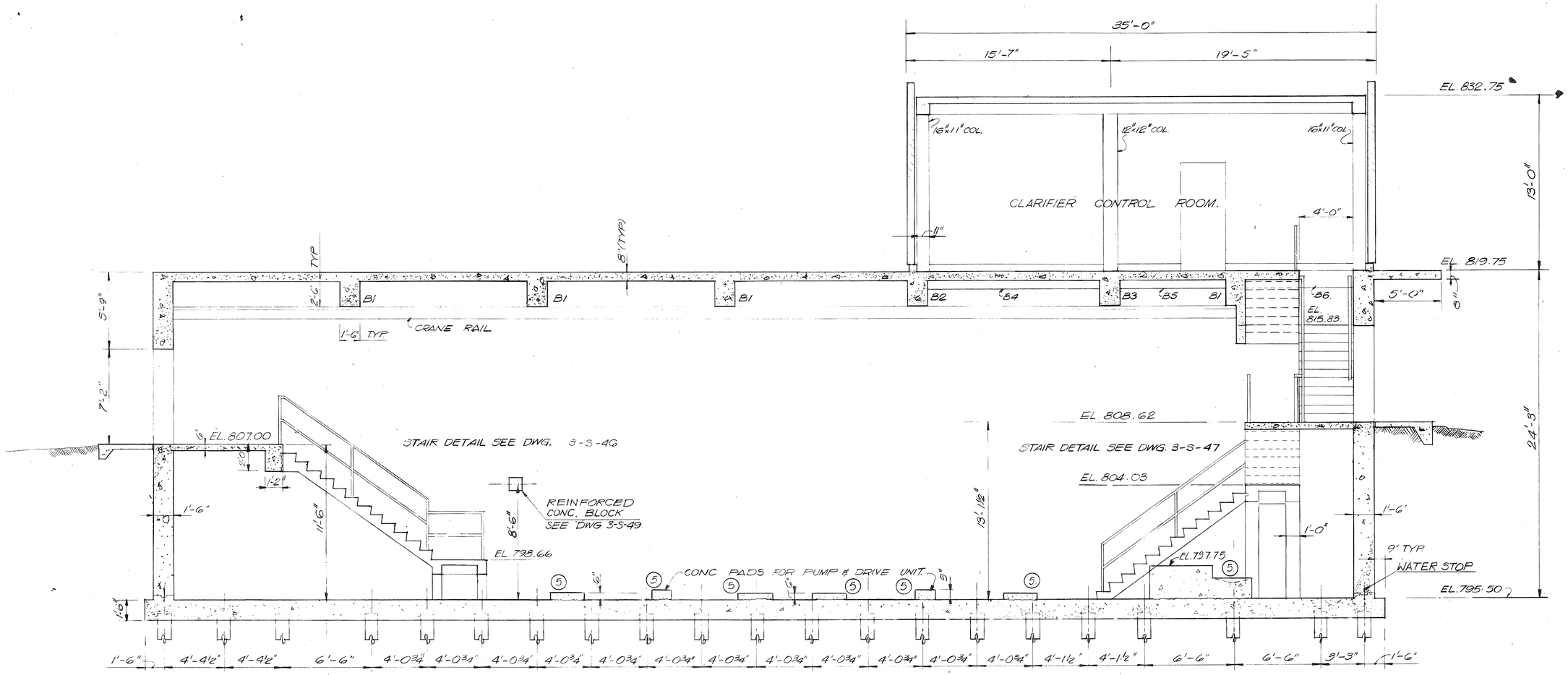


SECTION (A) 3-S-44 3-S-41

SCALE: 1/4" = 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
6		7/18	AS BUILT	
5	11/82	PM	REVISED PUMP PAD HEIGHT	7

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE PUMPING STATION SECTIONS & DETAILS I

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	J.B.	APPROVED	Delon Hampton
DRWN	R.J.		
CHKD	F.F.	SCALE 1/4"=1'-0"	DATE FEB., 1981

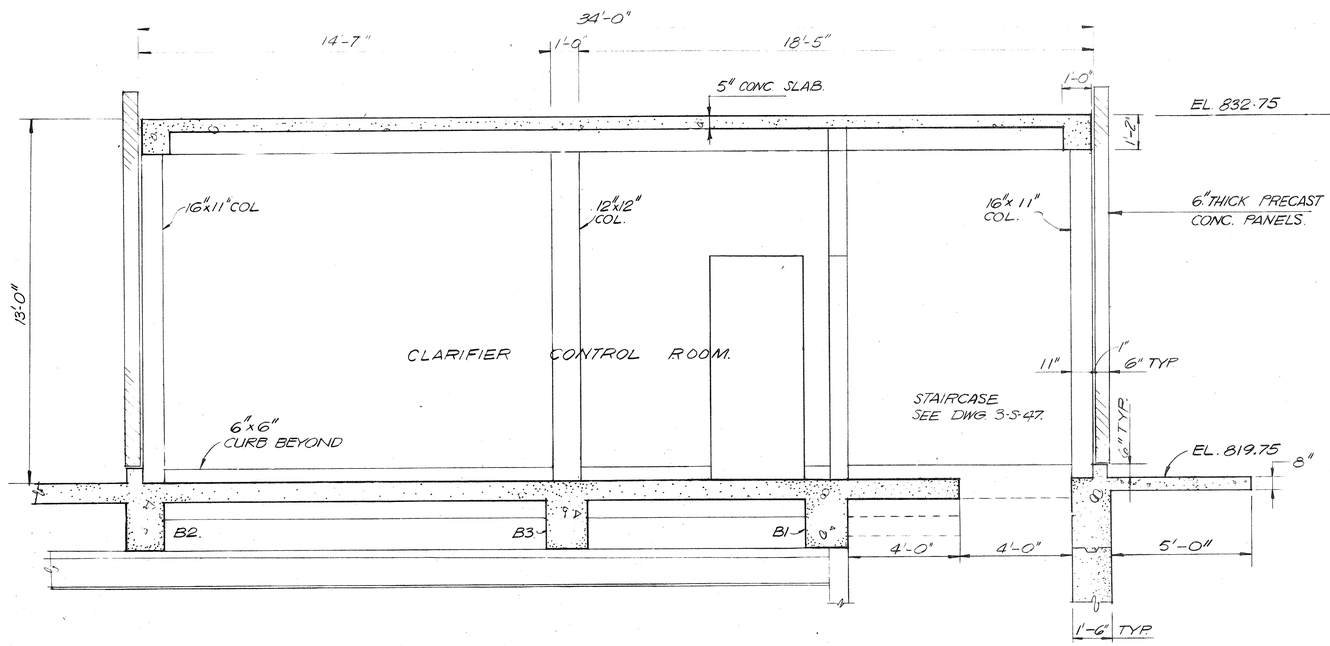
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

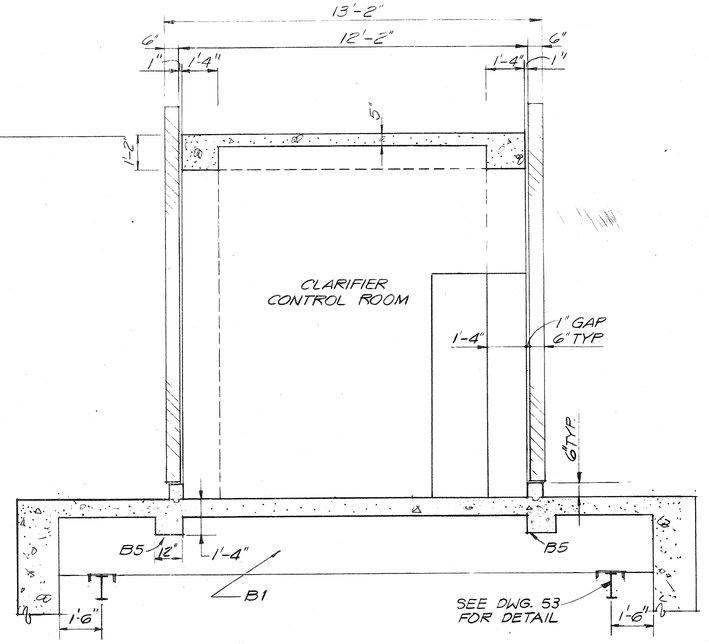
LAND LOT 111	DISTRICT 15	DEKALB COUNTY
APPROVED		SHEET NUMBER 131
DRAWING NO. 3-S-44		OF 192

POLYTRACE 033

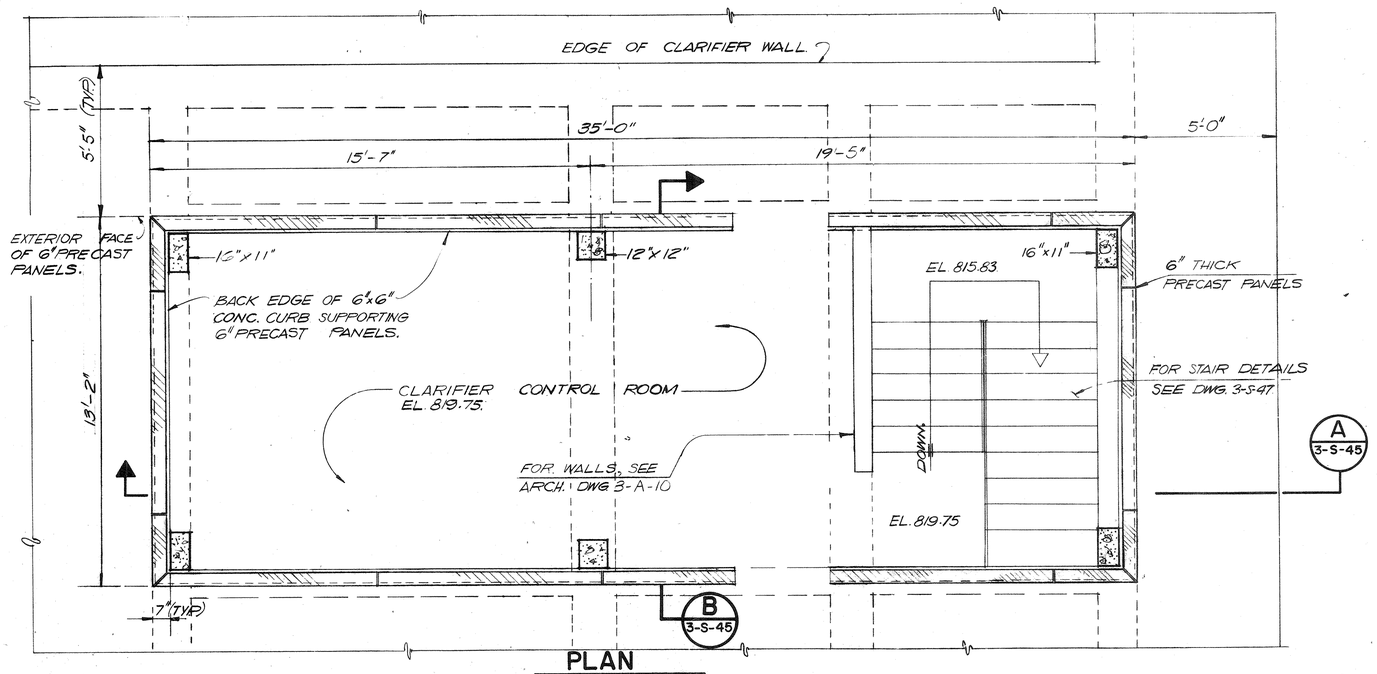
AF 14446



SECTION A
SCALE: 3/8" = 1'-0" (3-S-45)



SECTION B
SCALE: 3/8" = 1'-0" (3-S-45)



PLAN
SCALE: 3/8" = 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
1		TSB	AS BUILT	1

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE PUMPING STA. CLARIFIER CONTROL ROOM PLAN & SECTIONS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED No. 9165 PROFESSIONAL ENGINEER DELON HAMPTON

DSGN	J.B.	APPROVED Delon Hampton
DRWN	R.J.	
CHKD	F.F.	SCALE 3/8" = 1'-0" DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT	DISTRICT	COUNTY
III	15	DEKALB

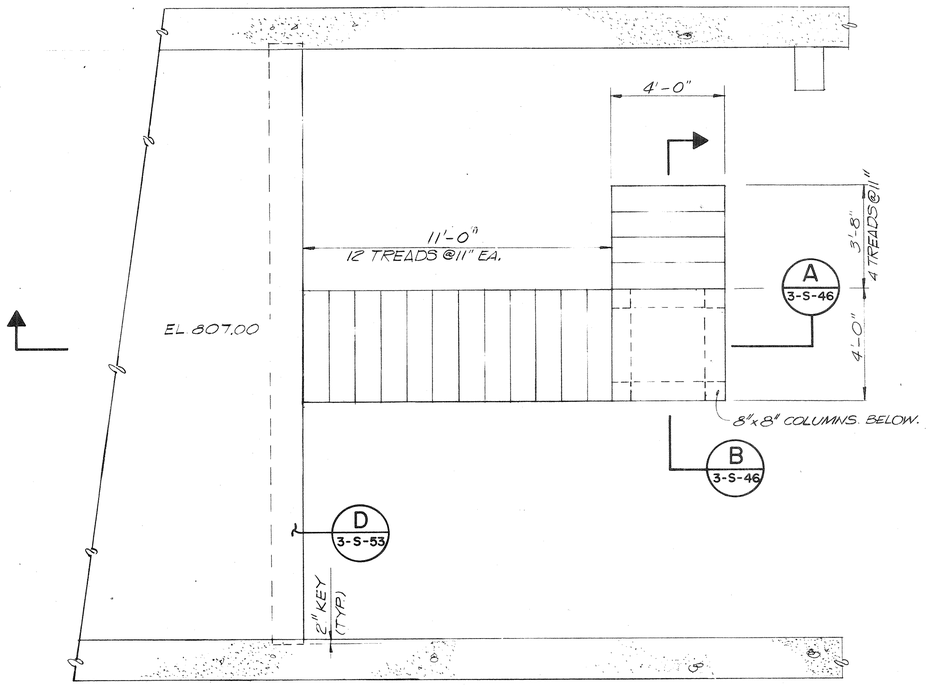
APPROVED

DRAWING NO. 3-S-45

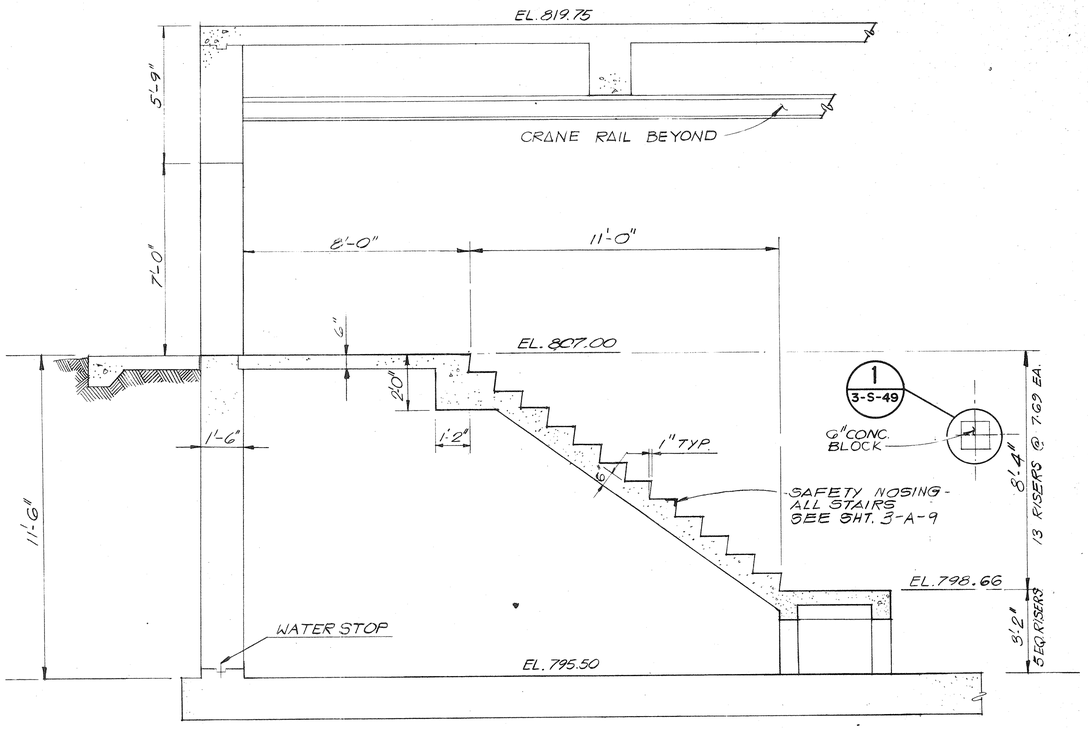
SHEET NUMBER 132 OF 192

POLYTRACE 033

AF 14446

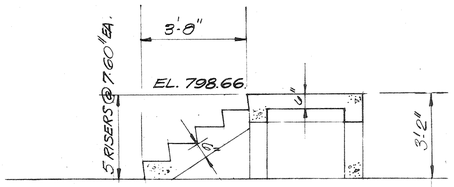


PLAN @ EL. 807.00
SCALE :3/8" = 1'-0"



SECTION A 3-S-46
SCALE :3/8" = 1'-0"

NOTE: FOR STAIR REINF. SEE DWG. 3-S-53.



SECTION B 3-S-46
SCALE : 3/8" = 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE PUMPING STATION SECTIONS & DETAILS II

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	J.B.	APPROVED	Delon Hampton
DRWN	R.J.		
CHKD	F.F.	SCALE AS SHOWN	DATE FEB., 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

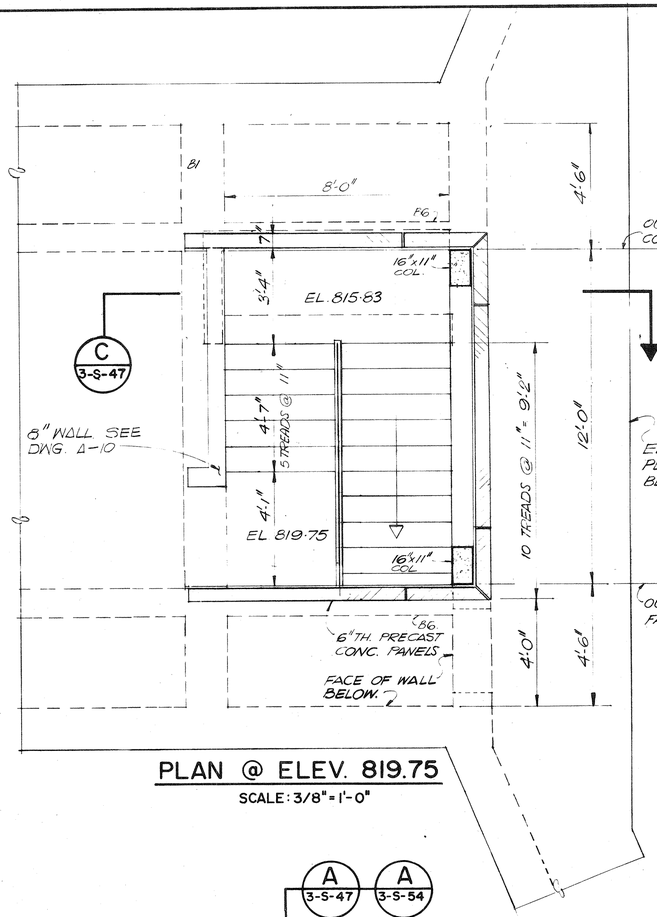
DRAWING NO. 3-S-46

SHEET NUMBER 133 OF 192

GEORGIA REGISTERED No. 9165 PROFESSIONAL ENGINEER DELON HAMPTON

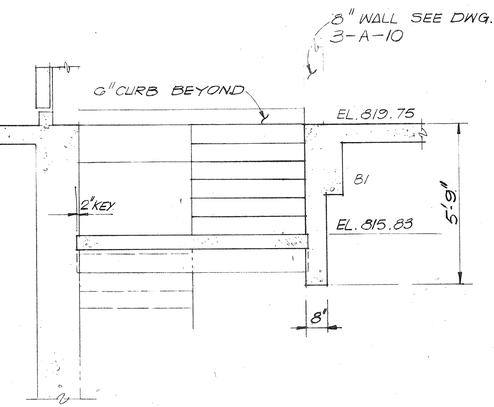
F POLYTRACE F 033

AF 14446



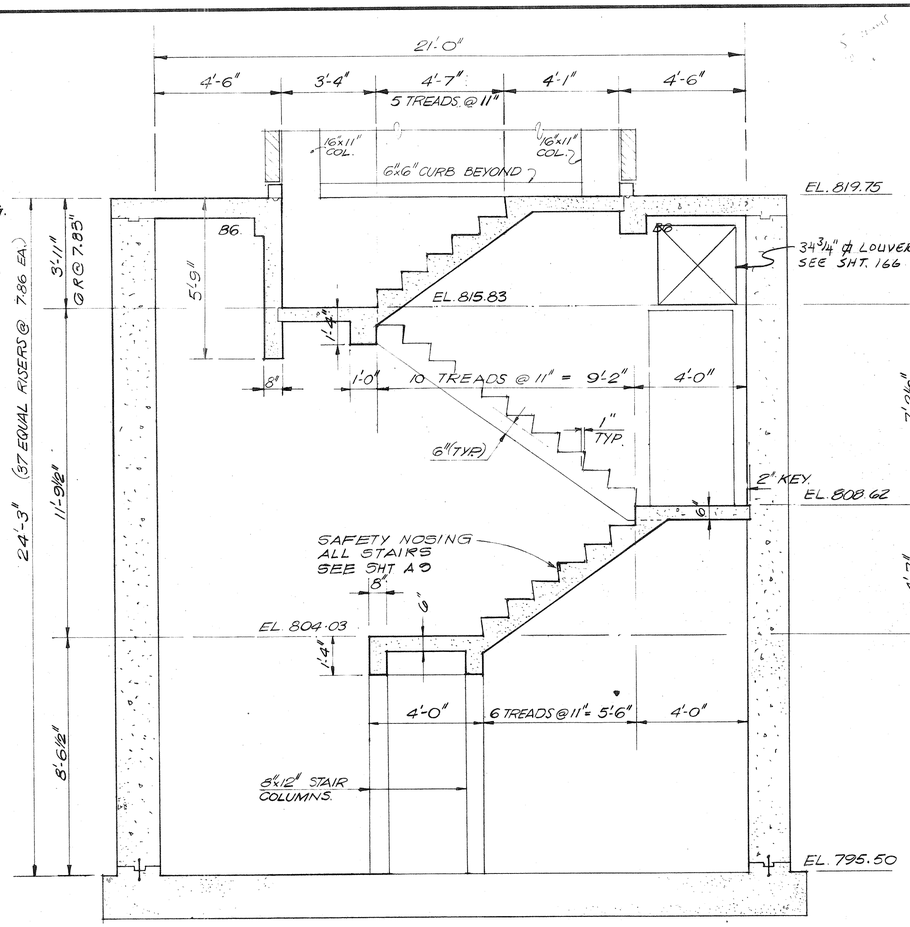
PLAN @ ELEV. 819.75

SCALE: 3/8" = 1'-0"



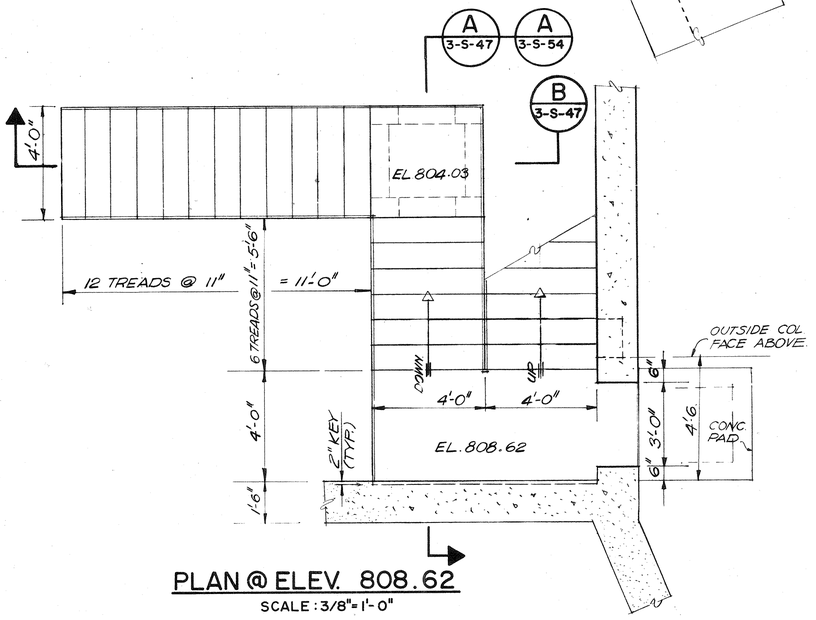
SECTION C

SCALE: 3/8" = 1'-0" 3-S-47



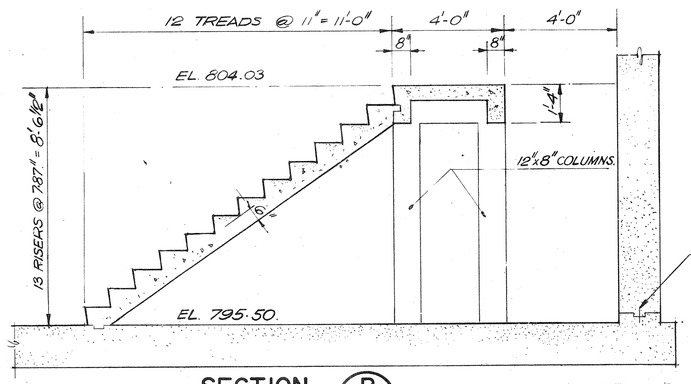
SECTION A

SCALE: 3/8" = 1'-0" 3-S-47



PLAN @ ELEV. 808.62

SCALE: 3/8" = 1'-0"



SECTION B

SCALE: 3/8" = 1'-0" 3-S-47

GEORGIA REGISTERED No. 9165 PROFESSIONAL Expires ENGINEER DELON HAMPTON

NO.	DATE	BY	DESCRIPTION	PLACES
1		T.B.	AS BUILT	1

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE PUMPING STATION SECTIONS & DETAILS III

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	J.C.	APPROVED	
DRWN	M.C.	Delon Hampton	
CHKD	J.B.	SCALE 3/8" = 1'-0"	DATE FEB., 1981

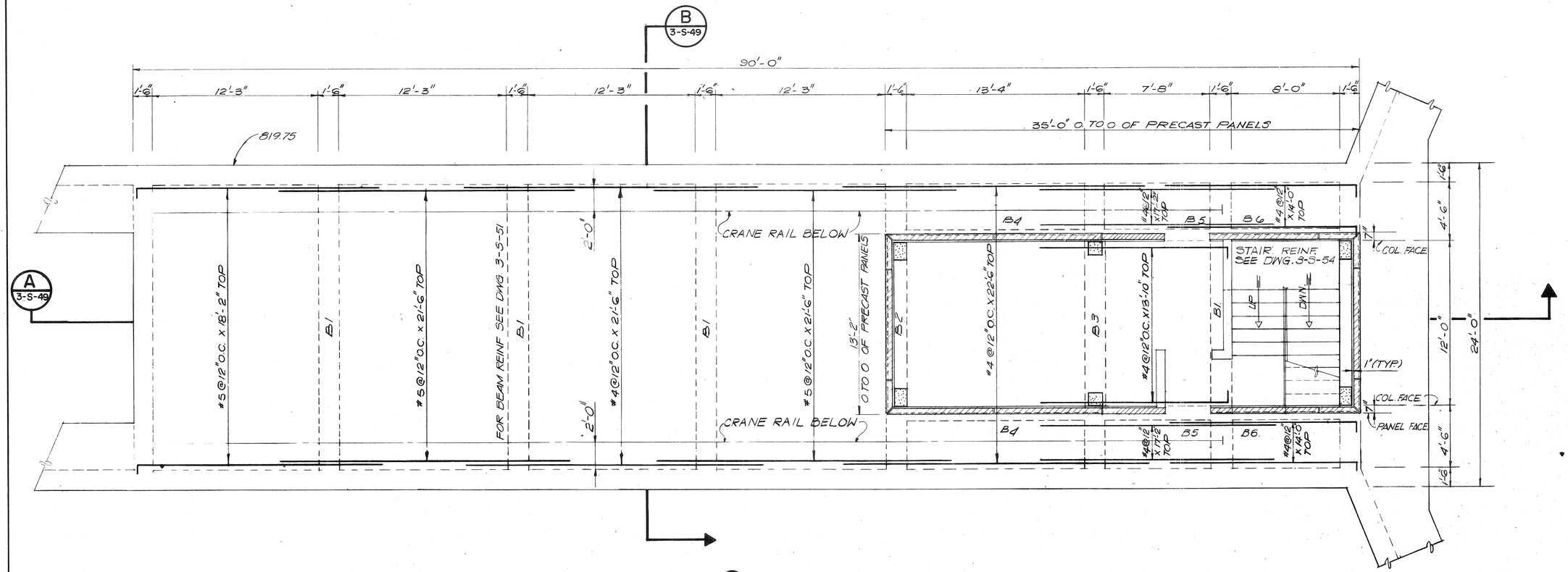
LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

DRAWING NO. 3-S-47

SHEET NUMBER 134 OF 192

E POLYTRACE 033



DECK REINF. PLAN @ EL. 819.75

SCALE: 1/4" = 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
1		7/8	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE PUMPING STATION DECK REINFORCEMENT PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED No. 9165 PROFESSIONAL ENGINEER DELON HAMPTON

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

DSGN	J.B.	APPROVED	Delon Hampton
DRWN	R.J.	SCALE	1/4"=1'-0"
CHKD	SHH	DATE	FEB., 1981

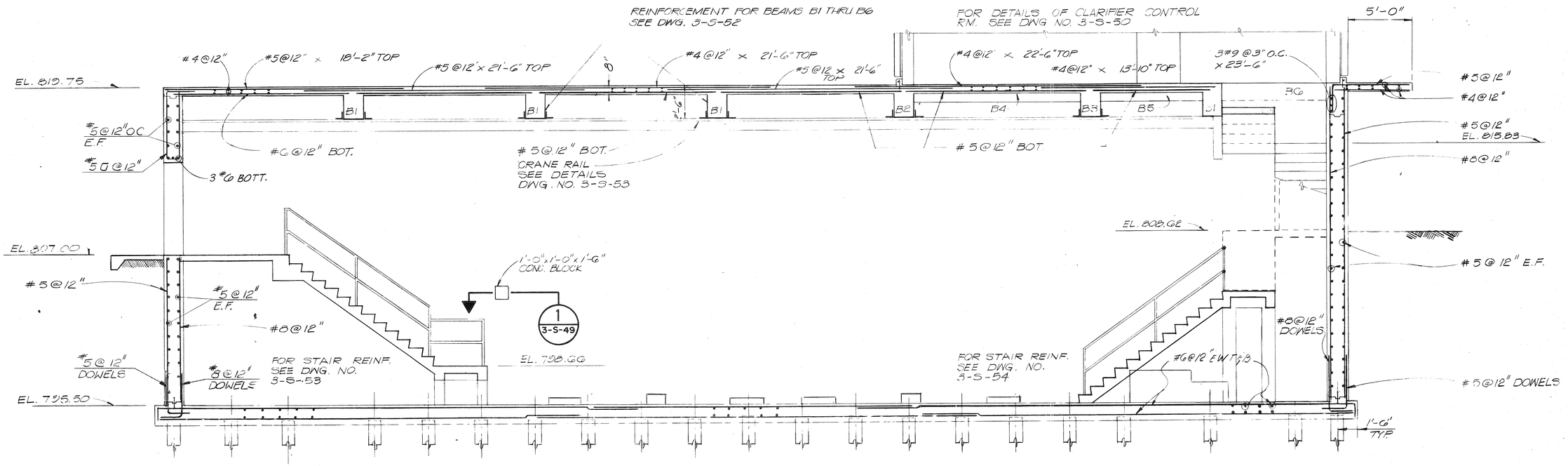
LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

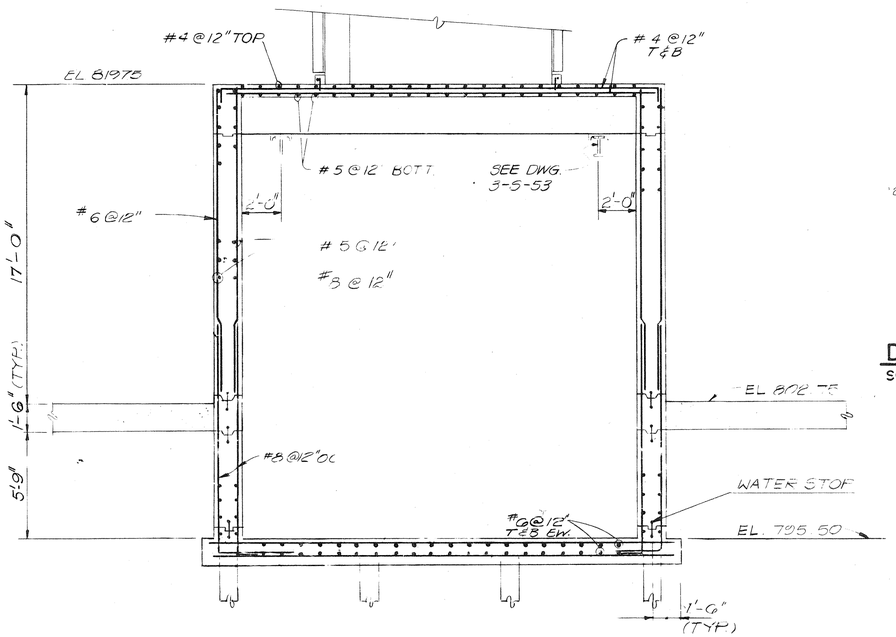
DRAWING NO. 3-S-48

SHEET NUMBER 135 OF 192

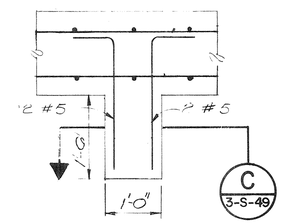
POLYTRACE 033



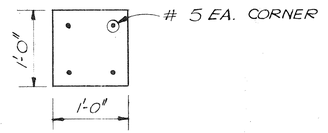
SECTION A
SCALE: 1/4"= 1'-0" 3-S-49 3-S-48



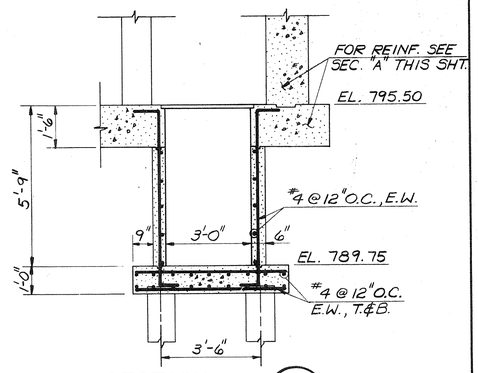
SECTION B
SCALE: 1/4"= 1'-0" 3-S-49 3-S-48



DETAIL I
SCALE: 3/4" = 1'-0" 3-S-49 3-S-41



SECTION C
SCALE: 1"= 1'-0" 3-S-49



SECTION E
SCALE: 3/8"= 1'-0" 3-S-49 3-S-41

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
6		T&B	AS BUILT	
5	11/82	RM	REVISED PUMP IMP. HEIGHT	7
1	3/82	B.T.	ADD SEC. "E"	1

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE PUMPING STATION SECTIONS & DETAILS IV

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	J.B.	APPROVED	Delon Hampton
DRWN	R.J.		
CHKD	SYH	SCALE 1/4" = 1'-0"	DATE FEB., 1981

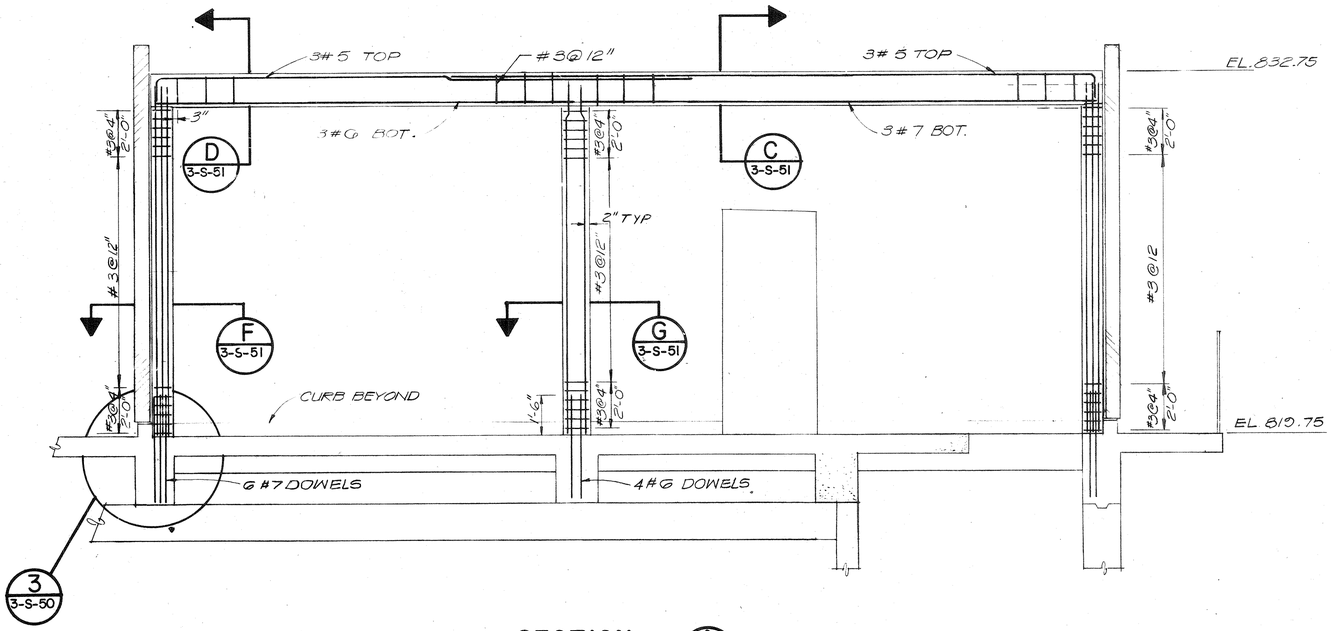
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

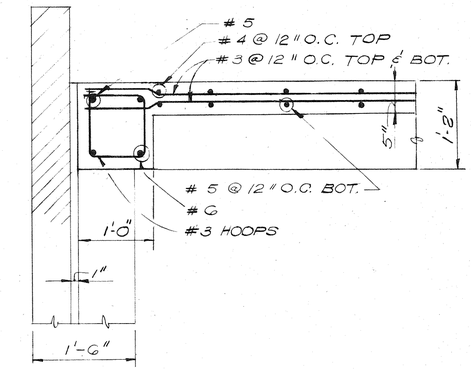
LAND LOT 1:1	DISTRICT 15	DEKALB COUNTY
APPROVED		SHEET NUMBER 136 OF 192
DRAWING NO. 3-S-49		

© POLYTRACE 033

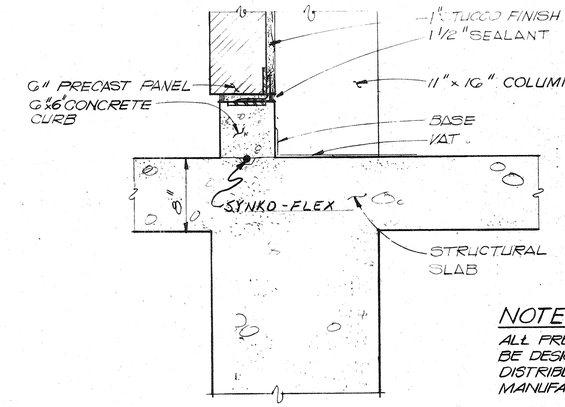
AF 14446



SECTION A
SCALE: 3/8" = 1'-0" (A 3-S-50)



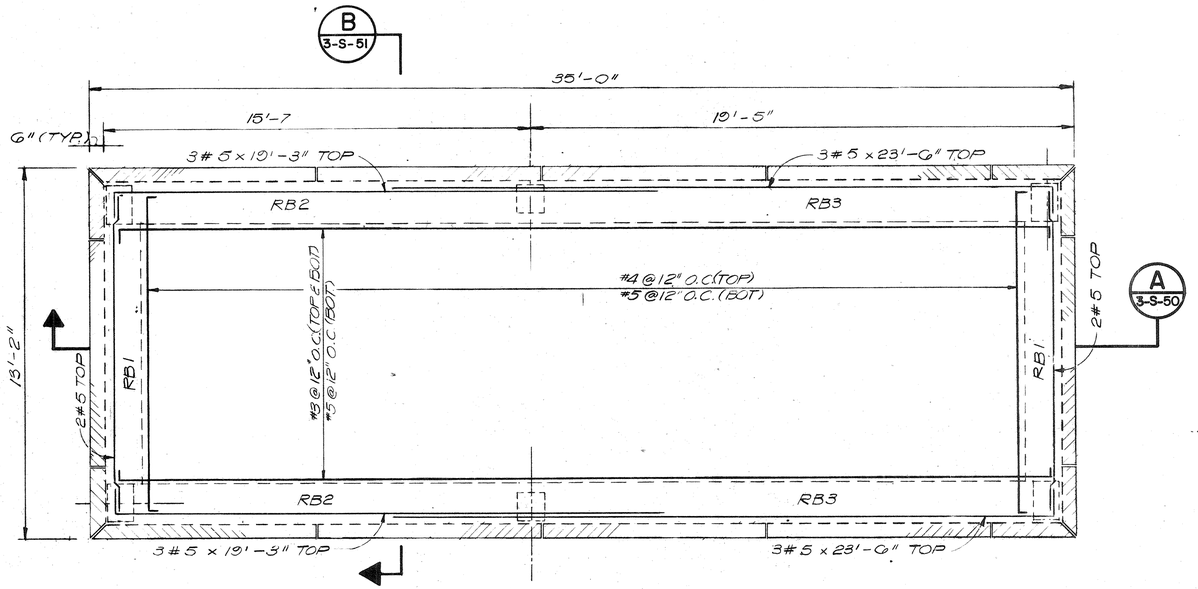
RBI SECTION
SCALE: 1" = 1'-0" (E 3-S-50 3-S-51)



NOTE:
ALL PRECAST CONCRETE PANELS SHALL BE DESIGNED FOR 1 KIP/FT. UNIFORMLY DISTRIBUTED LOAD BY PRECAST PANEL MANUFACTURER.

FOR SIZE OF WELD PLATES AND WELD PLATE ANCHORS IN THE PRECAST CONC. PANEL CONNECTION SEE STANDARD STRUCTURAL NOTE 3-S-76.

DETAIL 3
SCALE: 1 1/2" = 1'-0" (3 3-S-50)



ROOF REINF. PLAN @ EL. 832.75
SCALE: 3/8" = 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
1		7/81	AS BUILT	1

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE PUMPING STA. CLARIFIER CONTROL ROOM DETAILS I

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA No. 9153 PROFESSIONAL ENGINEER DELON HAMPTON

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	J. B.	APPROVED	Delon Hampton
DRWN	R.J.	SCALE	AS SHOWN
CHKD	SYH	DATE	FEB., 1981

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

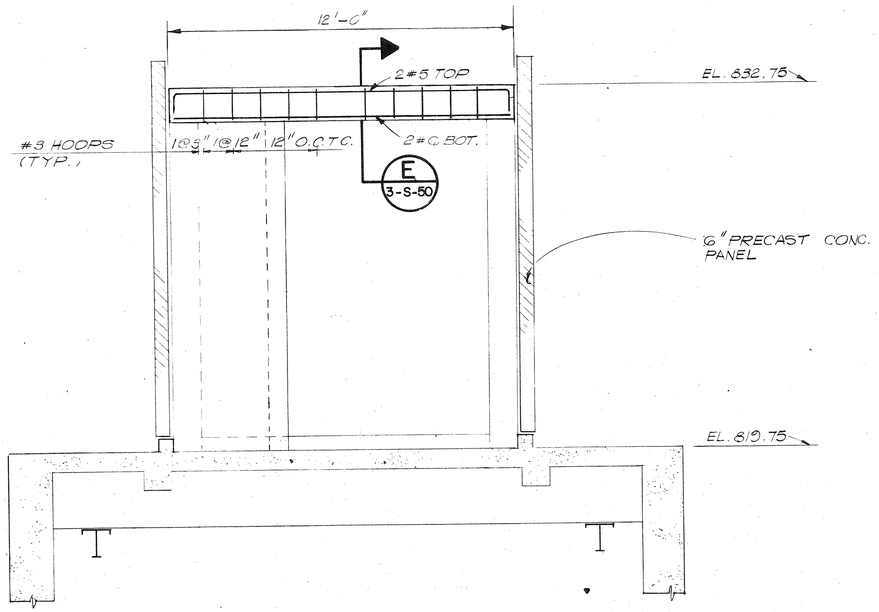
APPROVED

DRAWING NO. 3-S-50

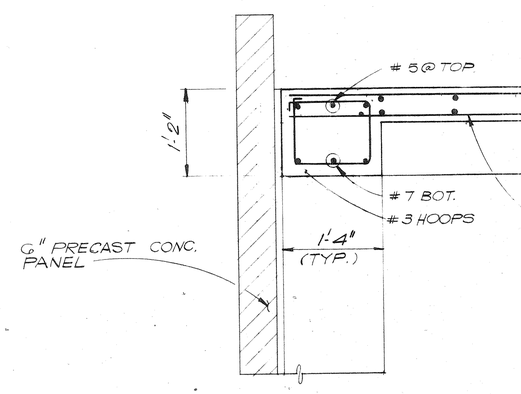
SHEET NUMBER 137 OF 192

POLYTRACE 033

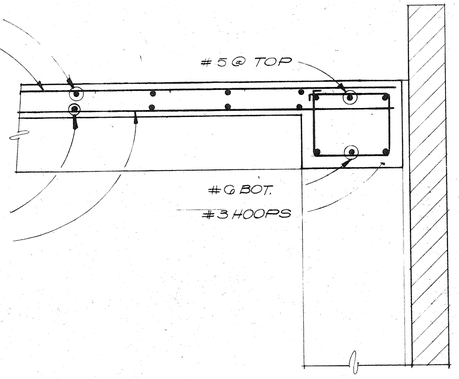
AF 14446



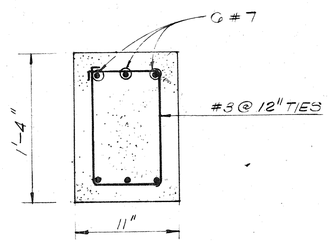
RB1 SECTION B
SCALE: 3/8" = 1'-0" 3-S-51



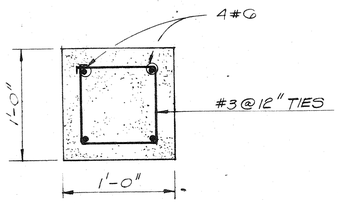
RB3 SECTION C
SCALE: 1" = 1'-0" 3-S-51 3-S-50



RB2 SECTION D
SCALE: 1" = 1'-0" 3-S-51 3-S-50



SECTION F
SCALE: 1 1/2" = 1'-0" 3-S-51



SECTION G
SCALE: 1 1/2" = 1'-0" 3-S-51

COLUMN REINFORCEMENT

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE PUMPING STA. CLARIFIER CONTROL ROOM DETAILS II

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

GEORGIA REGISTERED No. 9165 PROFESSIONAL ENGINEER Expires ____ DELON HAMPTON

DSGN	J.C.	APPROVED	Delon Hampton
DRWN	R.J.	SCALE	AS SHOWN
CHKD	SYH	DATE	FEB. 1981

LAND LOT 111 DISTRICT 15 DEKALB COUNTY

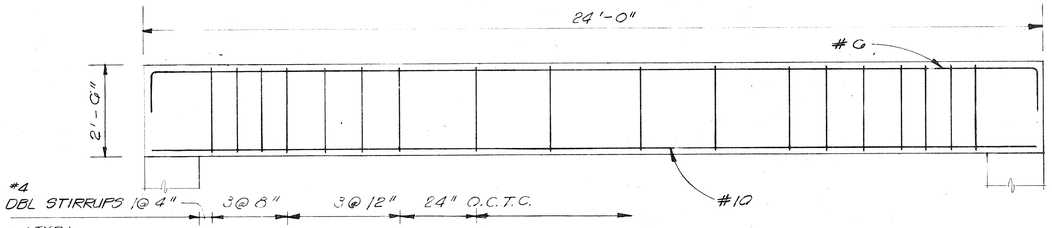
APPROVED

DRAWING NO. 3-S-51

SHEET NUMBER 138 OF 192

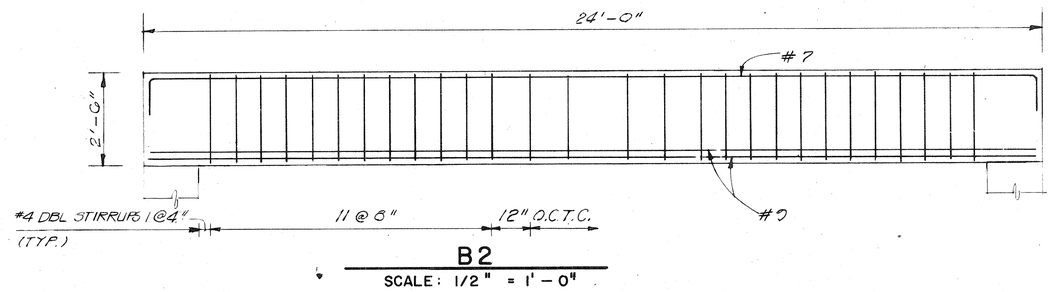
POLYTRACE 033

AF 14446



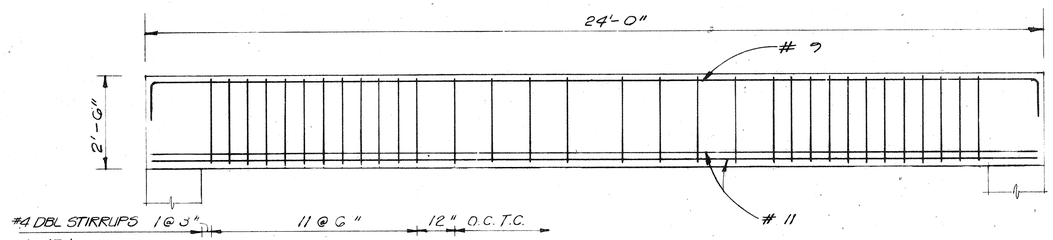
B1

SCALE: 1/2" = 1'-0"



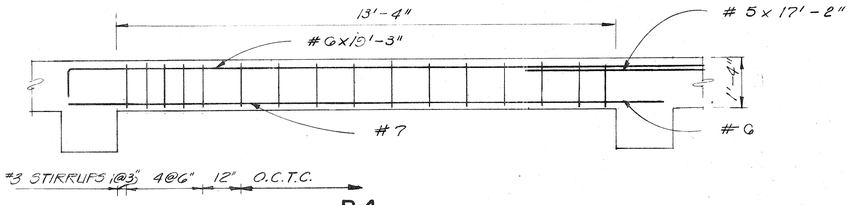
B2

SCALE: 1/2" = 1'-0"



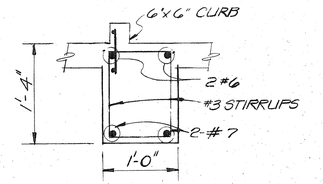
B3

SCALE: 1/2" = 1'-0"



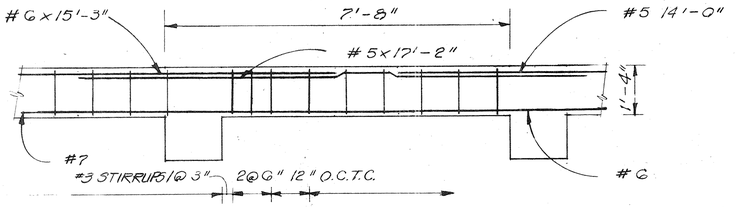
B4

SCALE: 1/2" = 1'-0"



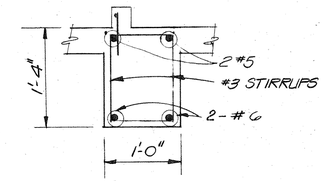
SECTION B4

SCALE: 1" = 1'-0"



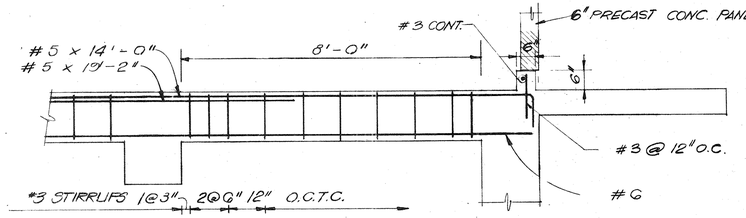
B5

SCALE: 1/2" = 1'-0"



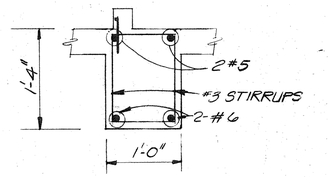
SECTION B5

SCALE: 1" = 1'-0"



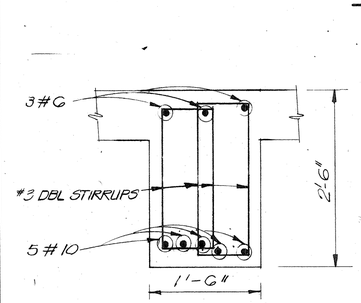
B6

SCALE: 1/2" = 1'-0"



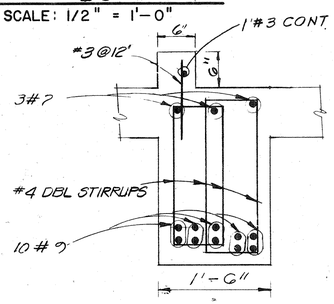
SECTION B6

SCALE: 1" = 1'-0"



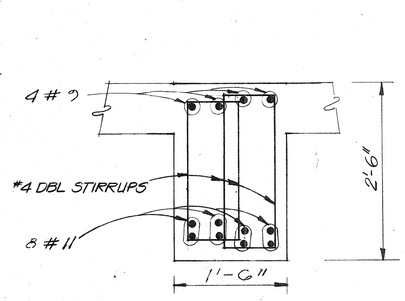
SECTION B1

SCALE: 1" = 1'-0"



SECTION B2

SCALE: 1" = 1'-0"



SECTION B3

SCALE: 1" = 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
1		TJB	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE PUMPING STATION SECTIONS & DETAILS V

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED No. 9155 PROFESSIONAL Expires ENGINEER DELON HAMPTON

DSGN	J.B.	APPROVED	Delon Hampton
DRWN	R.J.		
CHKD	S.Y.H.	SCALE AS SHOWN	DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

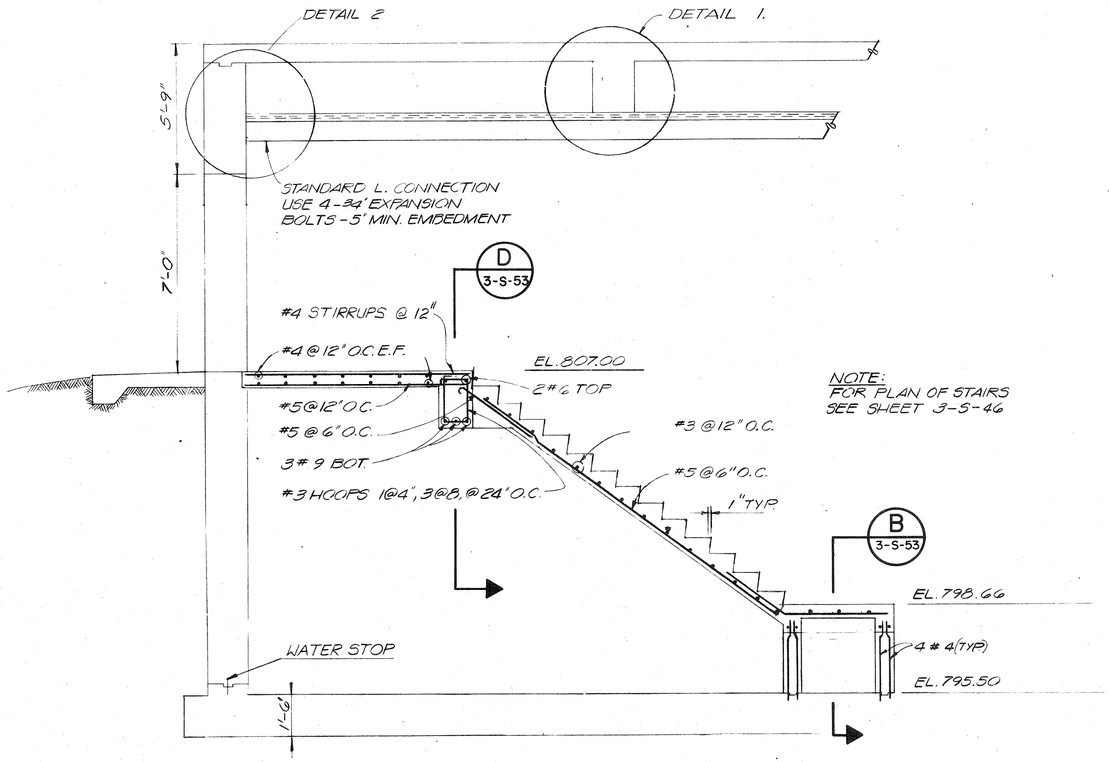
APPROVED

DRAWING NO. 3-S-52

SHEET NUMBER 139 OF 192

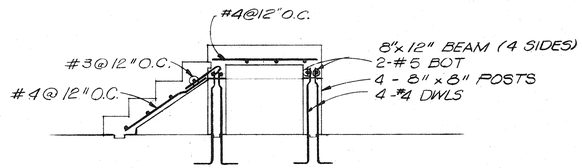
POLYTRACE 033

AF 14446

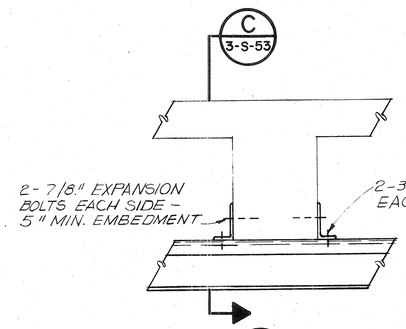


NOTE:
FOR PLAN OF STAIRS
SEE SHEET 3-S-46

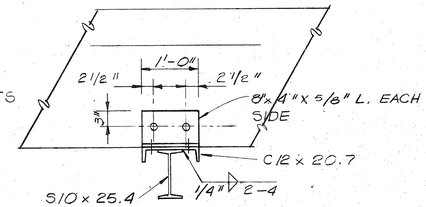
SECTION A
SCALE: 3/8" = 1'-0"
3-S-53



SECTION B
SCALE: 3/8" = 1'-0"
3-S-53

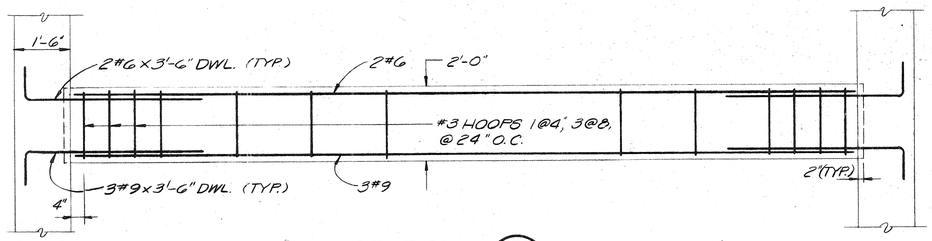


DETAIL 1
SCALE: 3/4" = 1'-0"
3-S-53

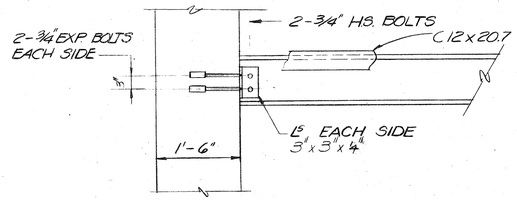


SECTION C
SCALE: 3/4" = 1'-0"
3-S-53

NOTE:
SPLICES IN CRANE BEAM SHALL BE LOCATED NOT MORE THAN 2'-0" FROM BEAM SUPPORT. WHERE SPLICED THE ADJOINING END SHALL BE MACHINED.



SECTION D
SCALE: 1" = 1'-0"
3-S-53



DETAIL 2
SCALE: 3/4" = 1'-0"
3-S-53

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&D	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED
SEWER OVERFLOW TREATMENT FACILITY

SLUDGE PUMPING STATION
SECTIONS & DETAILS VI

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED No. 9165 PROFESSIONAL ENGINEER Expires ____ DELON HAMPTON

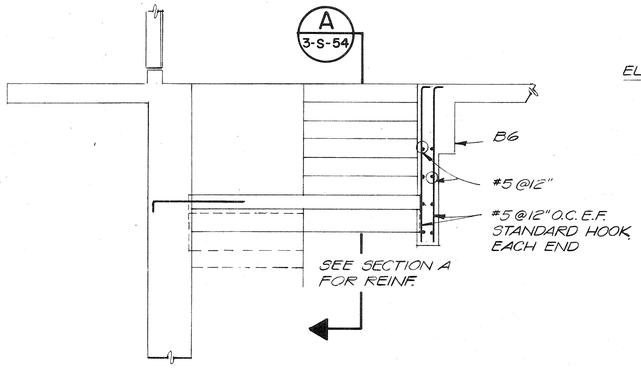
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

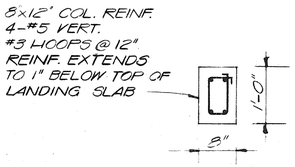
DSGN	J. B	APPROVED		LAND LOT 111	DISTRICT 15	DEKALB COUNTY
DRWN	R. J	APPROVED				SHEET NUMBER 140
CHKD	S.Y.H	SCALE AS SHOWN	DATE FEB. 1981	DRAWING NO. 3-S-53		OF 192

R² POLYTRACE 033

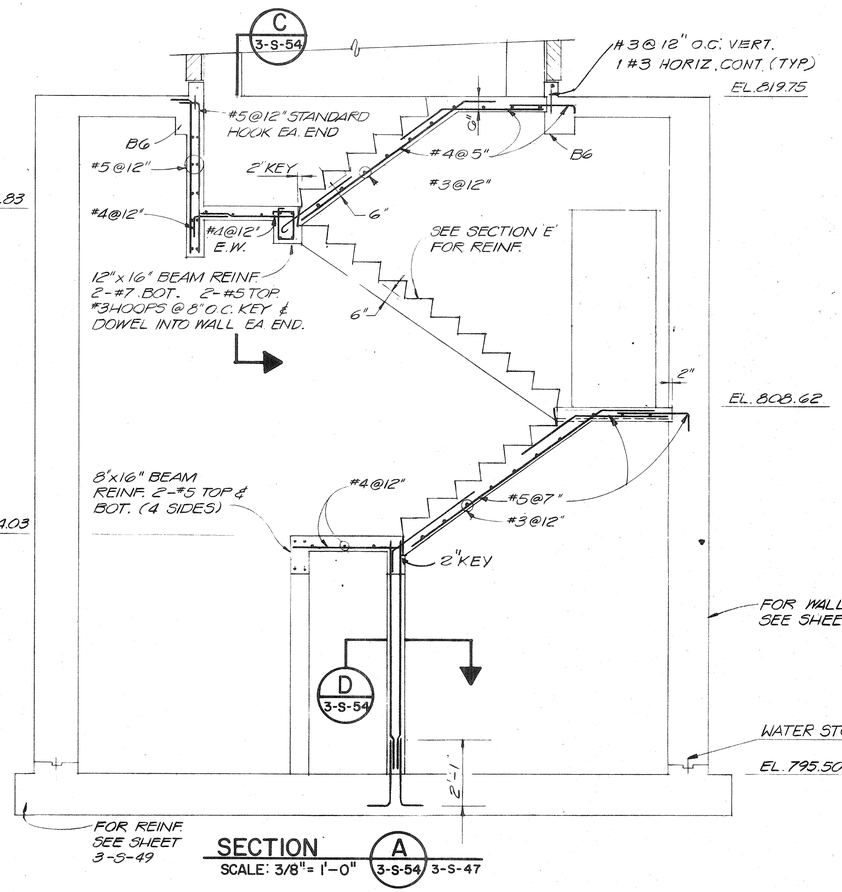
AF 14446



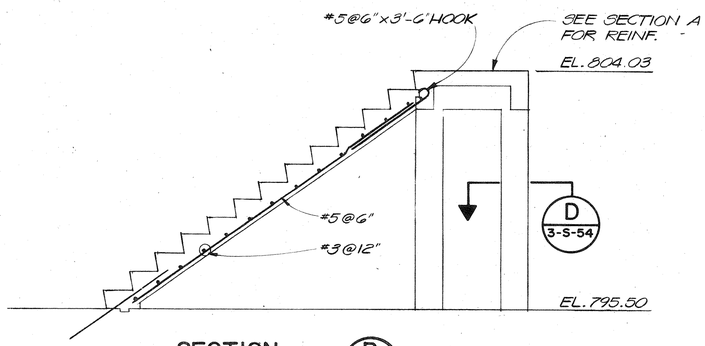
SECTION C
SCALE: 3/8" = 1'-0" 3-S-54



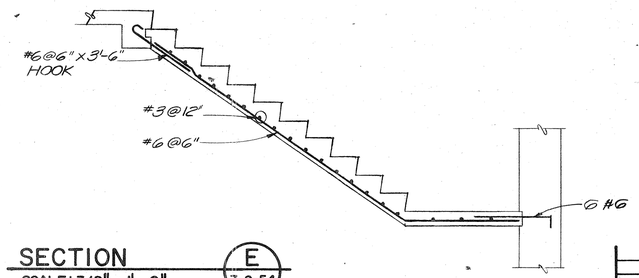
SECTION D
SCALE: 3/4" = 1'-0" 3-S-54



SECTION A
SCALE: 3/8" = 1'-0" 3-S-54 3-S-47



SECTION B
SCALE: 3/8" = 1'-0" 3-S-54



SECTION E
SCALE: 3/8" = 1'-0" 3-S-54

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
1		TJB	AS BUILT	

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE PUMPING STATION
SECTIONS & DETAILS VII

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED No. 9165 PROFESSIONAL Expires ENGINEER DELON HAMPTON

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

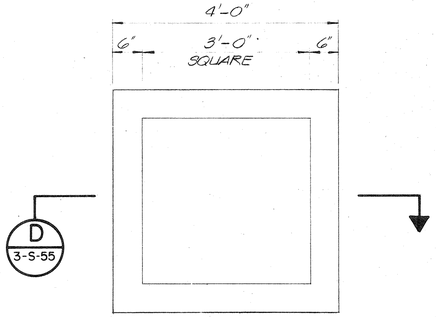
THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	J.B.	APPROVED	Delon Hampton
DRWN	R.J.	SCALE AS SHOWN	DATE FEB., 1981
CHKD	SYH		

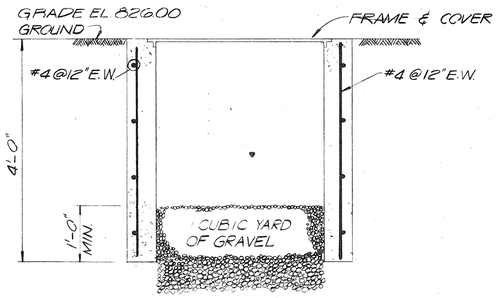
LAND LOT 111 DISTRICT 15 DEKALB COUNTY
APPROVED
SHEET NUMBER 141 OF 192
DRAWING NO. 3-S-54

2" POLYTRACE 033

AF 14446



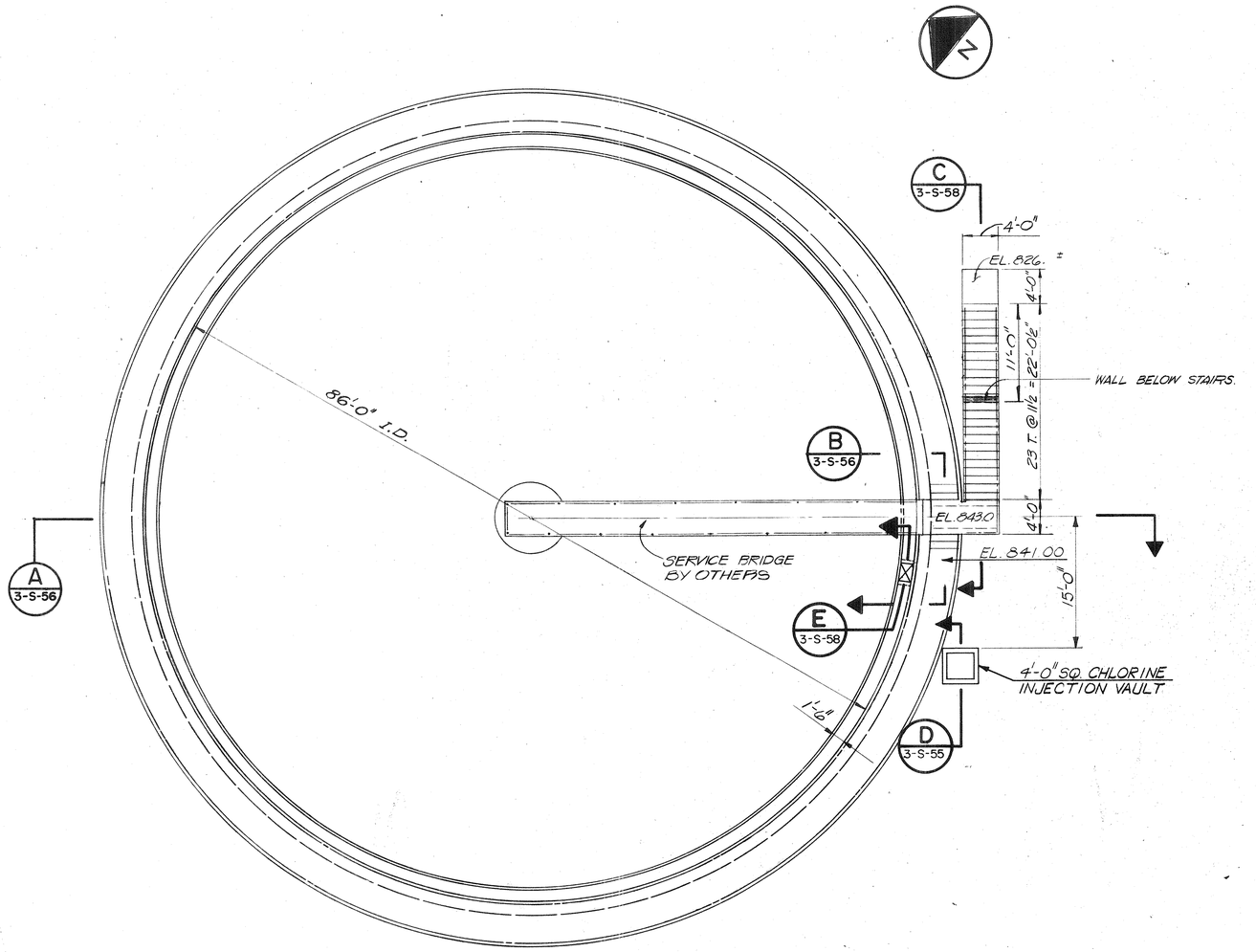
PLAN



SECTION D 3-S-55

TYPICAL CHLORINE INJECTOR VAULT DETAILS

SCALE: 3/4" = 1'-0"



TOP PLAN

SCALE: 1/8" = 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
5		7/83	AS BUILT	
4	3/82	B.T.	INDICATE SEC. "E"	1
3	3/82	B.T.	RELOCATE CHL. INJ. VAULT	1
2	3/82	B.T.	INDICATE EFF. TROUGH	1
1	3/82	B.T.	ELIM. CONCRETE PUMP SUPPORTS	2

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE HOLDING TANK PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED No. 9165 PROFESSIONAL ENGINEER DELON HAMPTON

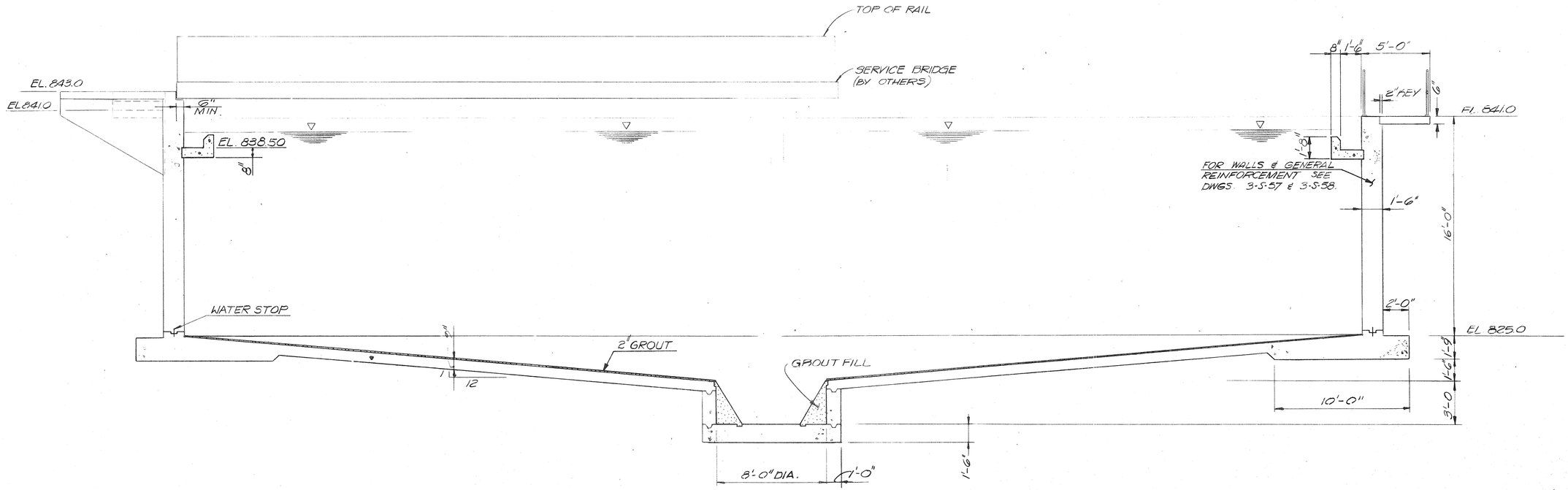
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

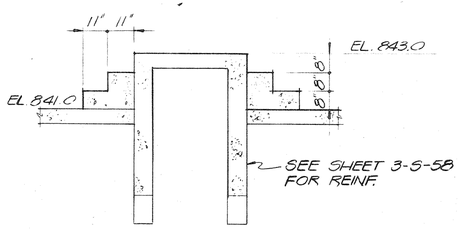
DSGN	J. B.	APPROVED		LAND LOT 111	DISTRICT 15	DEKALB COUNTY
DRWN	M.C.	Delon Hampton		APPROVED		SHEET NUMBER 142
CHKD	SYH	SCALE 1/8" = 1'-0"	DATE FEB., 1981	DRAWING NO. 3-S-55		OF 192

IF POLYTRACE 033

AF 14446



SECTION (A)
SCALE: 1/4" = 1'-0" 3-S-56 3-S-55



SECTION (B)
3-S-56 3-S-55

NO.	DATE	BY	DESCRIPTION	PLACES
3		T&B	AS BUILT	
2	3/82	B.T.	REMOVE CONC. PUMP SUPPORT	1
1	3/82	B.T.	ADD EFF. TROUGH SEC. "A"	2

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE HOLDING TANK SECTION

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED No. 9165 PROFESSIONAL ENGINEER DELON HAMPTON

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	J. B.	APPROVED Delon Hampton
DRWN	M.C.	
CHKD	SYH	SCALE 1/4" = 1'-0" DATE FEB., 1981

LAND LOT 111 DISTRICT 15 DEKALB COUNTY

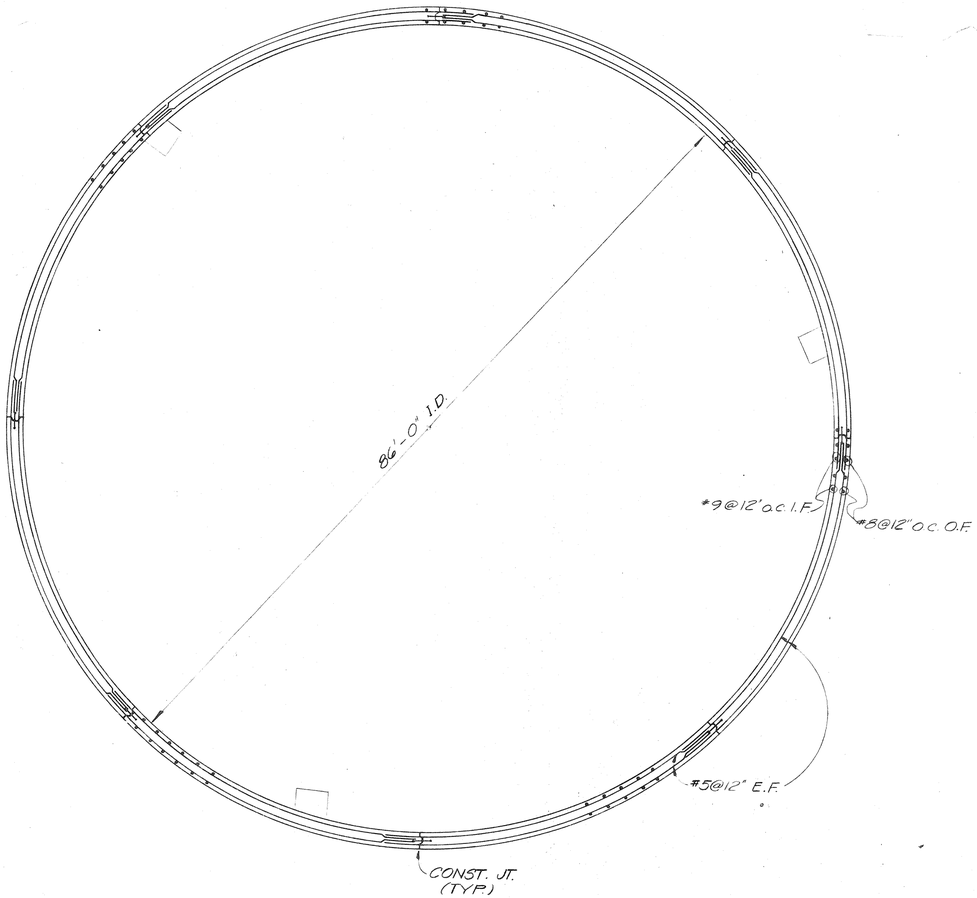
APPROVED

DRAWING NO. 3-S-56

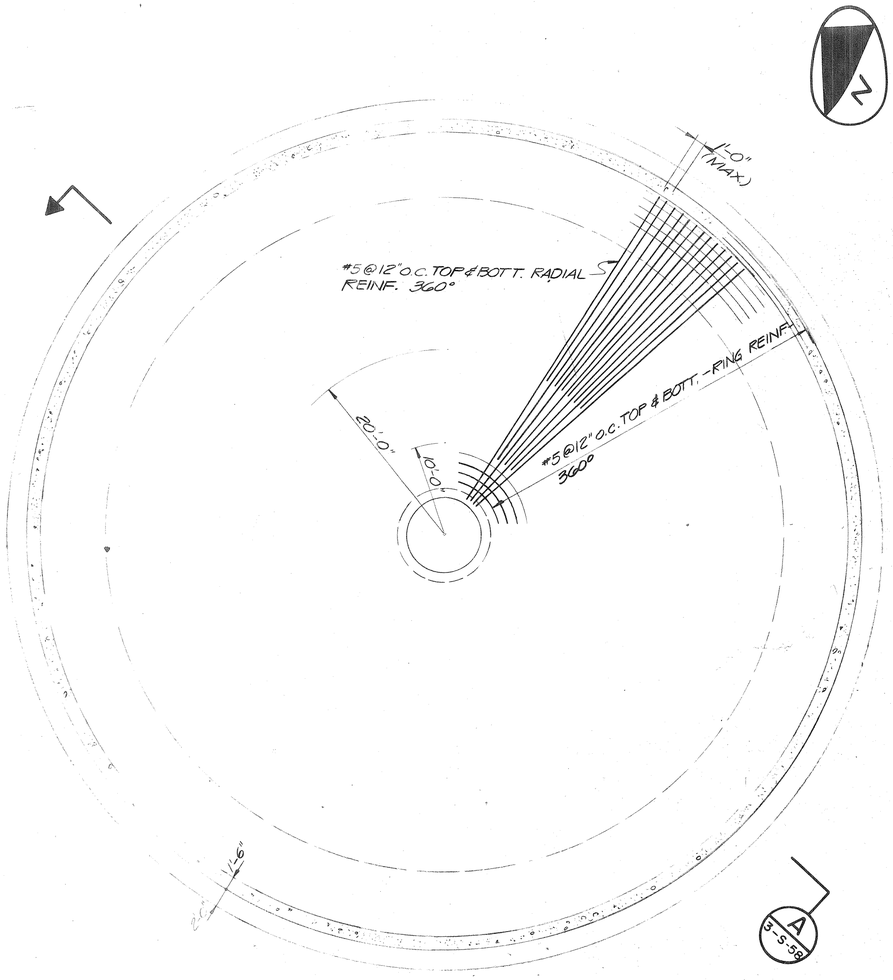
SHEET NUMBER 143 OF 192

7/3/80 7/15/80

POLYTRACE 033



SECTIONAL PLAN
SCALE: 1/8" = 1'-0"



FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
1		TJB	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SLUDGE HOLDING TANK REINFORCEMENT PLANS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	J. B.	APPROVED		LAND LOT 111	DISTRICT 15	DEKALB COUNTY
DRWN	M.C.					
CHKD	SYH	SCALE 1/8" = 1'-	FEB. 1981	APPROVED		SHEET NUMBER 144

7/15/82

POLYTRACE 033

AP-T4486

N 1347668.107
E 449498.324

12' GATE

N 1347679.059
E 449,341.706

N 1347283.205
E 449832.914

50'

N 1347616.463
E 449527.289

TASK 4

TASK 3

N 1,347,593.772
E 449,241.593

MODIFICATION TO EXISTING ADMIN. BUILDING

MODIFICATION TO EXISTING CHLORINE BUILDING

GA. POWER SUBSTATION

RELOCATED 8" SANITARY SEWER NEW LINE "D" (N.I.C., BY OTHERS)

N 1,347,630.745
E 449,118.701

SLUDGE HOLDING TANK

CENTRIFUGE PLATFORM

POWER GENERATION BUILDING

APPROXIMATE CONTRACT LIMIT

N 1347546.485
E 449020.722

BM 11

8" SAN

8" GAS

GAS SPHERE

200'

N 1346713.309
E 449680.210

N 1347560.097
E 448794.812

EXISTING 48" PLANT influent

SOLIDS PROCESSING PUMP STATION

INTRENCHMENT CREEK

N 1347630.535
E 448691.202

EFFL. PUMPING STATION

N 1346644.866
E 449405.591

24' GATE

N 1347558.368
E 448608.184

N 1347640.375
E 448513.845

BM 13

N 1346540.667
E 449513.492

N 1346644.126
E 449363.169

CLARIFIERS AND CONTROL BLDG.

RAPID MIXER

STATIC SCREEN BUILDING

48" RCP

TASK 4

36" D.I.P

48" RCP

FLOCCULATION BASINS

36" RCP

48" RCP

N 1347474.392
E 448322.903

N 1346454.706
E 449147.555

N 1347410.908
E 448318.464

12' GATE

TASK 4

TASK 2
NOT INCLUDED IN THIS CONTRACT

N 1346926.541
E 448485.513

N 1346381.000
E 448918.000

10' LIMIT OF WORK

INTRENCHMENT CREEK

N 1346621.027
E 448699.032

N 1346572.000
E 448710.000

N 1346874.281
E 448482.042

TASK 3

TASK 4

N 1346712.000
E 448754.000

N 1346394.000
E 449670.000

N 1346334.000
E 448700.000

PROJECT SITE - EXISTING INTRENCHMENT CREEK TREATMENT PLANT

MORELAND AVE.

KEY RD.

BOULEVARD RD.

INTRENCHMENT CREEK

CONSTITUTION RD.

SOUTHERN

RIVER

SOUTH RR.

I-285

MORELAND AVE.

N

LOCATION MAP

SCALE: 1" = 3000'

NOTES

1. FOR BENCH MARK INFORMATION SEE DWG 3-C-2.
2. FOR FENCE DETAILS SEE DWG. 3-C-19.

LEGEND:

LIMIT OF WORK - TASK 3

NO.	DATE	BY	DESCRIPTION	PLACES
2		TEB	AS BUILT	
1	3/82	RWH	RELOCATED FENCE; NOTATION DELETED	4

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

GENERAL SITE PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	R.R.R.	APPROVED	
DRWN	U.K.	Delon Hampton	
CHKD	K.L.W.	SCALE 1" = 100'	DATE FEB., 1981

LAND LOT 111 DISTRICT 15 DEKALB COUNTY

APPROVED

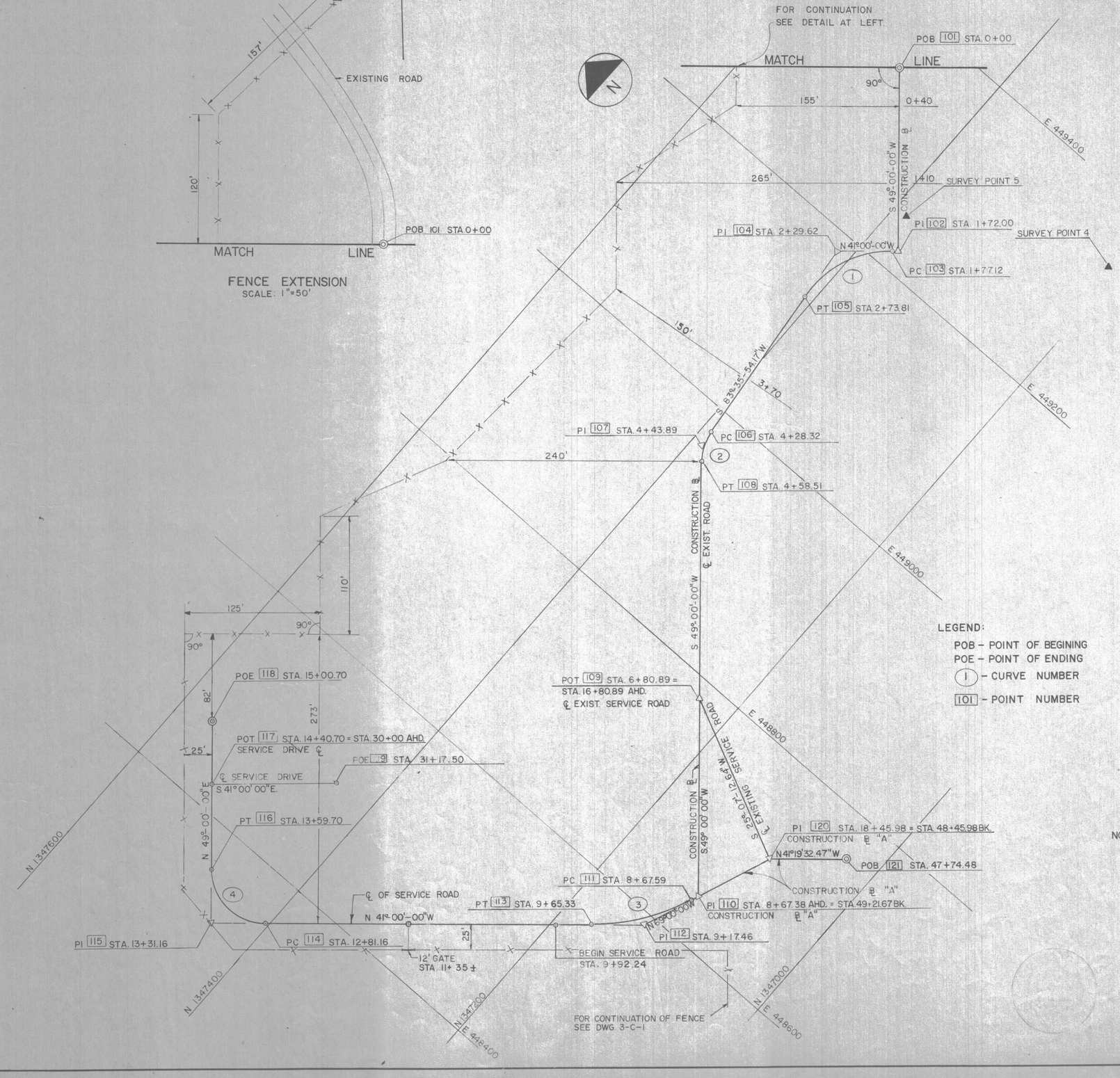
DRAWING NO. 3-C-1

SHEET NUMBER 3 OF 192

POLYTRACE 033

AP 14446

FENCE EXTENSION
SCALE: 1"=50'



CURVE NO.	POINT	POINT NO.	STATION	COORDINATES N	COORDINATES E	CURVE DATA
	POB	101	0+00	1347483.352	449352.829	
	PI	102	1+72.00	1347370.510	449223.019	
	PC	103	1+77.12	1347374.378	449219.657	Δ = 55°24'05.83"
						R = 100.00'
(1)	PI	104	2+29.62	1347414.000	449185.214	T = 52.50'
						L = 96.69'
	PT	105	2+73.81	1347408.146	449133.041	Dc = 57°17'44.81"
	PC	106	4+28.32	1347390.918	448979.490	Δ = 34°35'54.17"
						R = 50.00'
(2)	PI	107	4+43.89	1347389.182	448964.017	T = 15.57'
						L = 30.19'
	PT	108	4+58.51	1347378.967	448952.266	Dc = 114°35'29.61
	POT	109	6+80.89	1347233.072	448784.432	
	PI	110	8+67.38	1347110.725	448643.687	
	PC	111	8+67.59	1347110.800	448643.491	Δ = 28°-00'-00"
						R = 200.00'
(3)	PI	112	9+17.46	1347128.672	448596.933	T = 49.87'
						L = 97.74'
	PT	113	9+65.33	1347166.309	448564.215	Dc = 28°38'52.40"
	PC	114	12+81.16	1347404.668	448357.013	Δ = 90°-00'-00"
						R = 50.00'
(4)	PI	115	13+31.16	1347442.403	448324.210	T = 50.00'
						L = 78.54'
	PT	116	13+59.70	1347475.206	448361.946	Dc = 114°35'29.61"
	POT	117	14+40.70	1347528.347	448423.077	
	POE	118	15+00.70	1347567.711	448468.360	
	POE	119	31+17.50	1347439.669	448500.164	
	PI	120	48+45.98	1347083.600	448714.350	
	POB	121	47+74.48	1347029.906	448761.564	

HORIZONTAL CONTROL

POINT NUMBER	DESCRIPTION	N	E
1	H & T	1346952.075	448552.829
2	P.K. NAIL SET	1346527.704	448852.001
3	P.K. NAIL SET	1346733.947	449011.059
4	P.K. NAIL SET	1347212.527	449338.464
5	H & T	1347383.003	449250.103

HORIZONTAL CONTROL IS IN THE GEORGIA STATE PLANE COORDINATION SYSTEM.

VERTICAL CONTROL

BENCH MARK	DESCRIPTION	ELEVATION
11	FIRE HYDRANT FLANGE BOLT	824.16
12	SLUDGE DRYING BED CONCRETE WALL NW CORNER	802.21
13	FILTER BED TOP OF STONE NW CORNER	808.01

FOR LOCATION OF BENCH MARKS SEE DWG. 3-C-1.
VERTICAL DATUM IS MEAN SEA LEVEL, USGS ADJUSTED 1929.

LEGEND:

POB - POINT OF BEGINING
POE - POINT OF ENDING
(1) - CURVE NUMBER
101 - POINT NUMBER

NOTE: FOR FENCE LOCATION SEE DWG. 3-C-1

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
2		TFB	AS BUILT	
1	3/82	RWH	ADDED NOTE, NOTATIONS, REVISED DATE, LOCATED GATE	4

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

GEOMETRIC LAYOUT PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	KLW	APPROVED	Delon Hampton
DRWN	JS		
CHKD	EH	SCALE 1" = 50'	DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

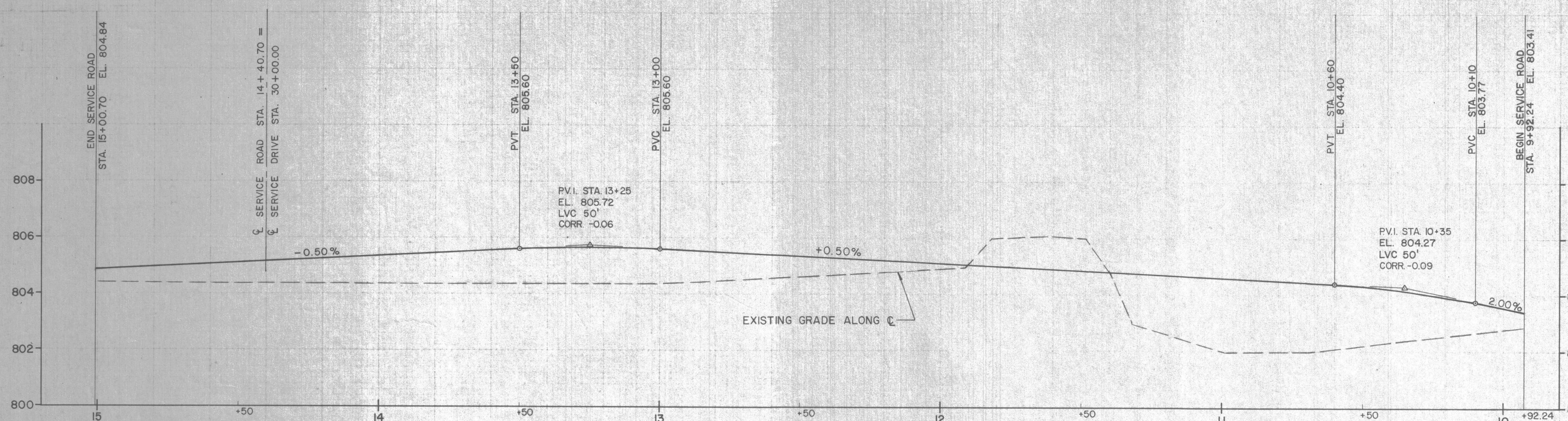
APPROVED

SHEET NUMBER 4 OF 192

DRAWING NO. 3-C-2

POLYTRACE 033

AF 14446



PROFILE - SERVICE ROAD

HOR: 1" = 20'
VERT: 1" = 2'

EXIST. ELEV.	804.40	804.40	804.40	804.40	804.40	804.60	804.90	806.00	802.00	802.20	802.80	802.80
PROP. ELEV.	804.84	805.10	805.35	805.60	805.60	805.35	805.10	804.85	804.60	804.33	804.10	803.41

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

SERVICE ROAD PROFILE

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 DISTRICT 15 DEKALB COUNTY

DSGN WC
DRWN RN
CHKD KLW

APPROVED Delon Hampton

SCALE AS SHOWN DATE FEB., 1981

APPROVED

DRAWING NO. 3-C-3

SHEET NUMBER 5 OF 192

POLYTRACE 033

AP 14446

SEE GENERAL SITE PLAN FOR FENCE BEYOND PARTIAL SITE PLANS

CHAIN LINK FENCING CL 6WA SEE DWG. 3-C-19 FOR DETAILS

SEE DWG. 3-C-5

CONTRACT LIMIT LINE

12" THICK RANDOM RUBBLE INV. 823.51

BEGIN CONST. ℄ STA. 0+00

PC STA. 0+39.55
107.96' RT.

PC STA. 0+13.83
10.50' RT.

PC STA. 0+38.87
35.27' RT.

PT STA. 0+98.01
157.50' RT.

CENTRIFUGE PLATFORM

CONC. PAVING

EXIST. 48" ϕ CONC. BRIDGE SEE NOTE 4

CONSTRUCTION ℄ S 49°-00'-00" W

NEW PVMT. TO MATCH EXIST. PVMT.

TASK 3 TASK 4

EXIST. 24" ϕ SS

EXIST. 15" ϕ SS

STA. 1+53.00
156.91' RT.

SLUDGE HOLDING TANK

CTR/TANK CONST. ℄ STA. 2+93.38
130.85 RT.

2'6" C & G SEE NOTE 5

PI STA. 2+29.62
N 41°-00'-00" W

PI STA. 1+72.00

PT. 1+77.12

DITCH TRANSITION SEE NOTE 3

PAVED DITCH (W=2') SEE NOTE 2

GRAVEL DRIVE

EXIST. 48" SS

EXIST. 48" x 48" PIPE ARCH

EXIST. 18" ϕ SS

MATCH LINE

PI STA. 2+73.81
N 1347400

STA. 3+51.23
9.60' LT.

EXIST. 30" ϕ SS

CONSTRUCTION ℄ S 83°-35'-54.17" W

15" SS

MATCH LINE

SEE DWG. 3-C-6

N 1347500
E 449000

N 1347300
E 449100

N 1347200
E 449200

N 1347200
E 449300

E 449400

E 449500

LEGEND
NEW PAVEMENT

NOTES
1. SEE DWG. 3-C-2 FOR CHAIN LINK FENCE LOCATION.
2. SEE DWG. 3-C-17 FOR PAVED DITCH DETAILS.
3. SEE DWG. 3-C-20 FOR DITCH TRANSITION DETAILS
4. SEE DWG. 3-C-20 FOR CONC. BRIDGE DETAILS
5. FOR CURB AND GUTTER DETAILS SEE DWG. 3-C-20
6. A MINIMUM OF 8 FEET OF EACH SIDE OF THE PROPOSED FENCE SHALL BE CLEARED OF SHRUBS, BUSHES, TREES, ROOTS, STUMPS AND OTHER DEBRIS.

3-C-5	3-C-4	
3-C-7	3-C-6	
3-C-9	3-C-8	
3-C-10		

SITE PLAN LAYOUT KEY PLAN

NO.	DATE	BY	DESCRIPTION	PLACES
3		T&B	AS BUILT	
2			ADDED CONC. PAVING	
1	3/82	RHM	ADDED STAIRS	1

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

PARTIAL SITE PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	KLW	APPROVED	Delon Hampton
DRWN	JS	SCALE	1" = 20'
CHKD	EH	DATE	FEB., 1981

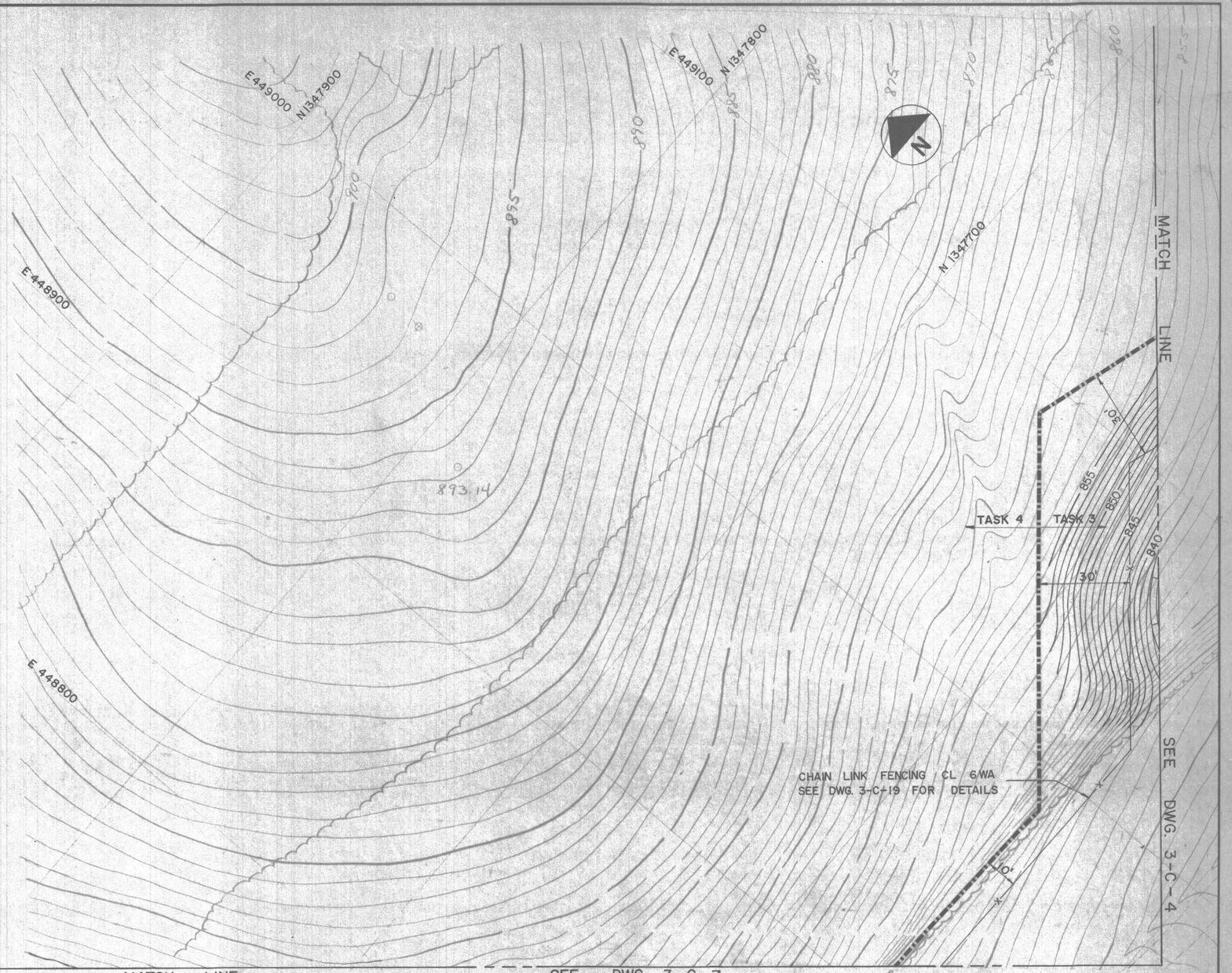
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111	DISTRICT 15	DEKALB COUNTY
APPROVED		SHEET NUMBER 6 OF 192
DRAWING NO. 3-C-4		

POLYTRACE 033

AF 14446



MATCH LINE SEE DWG. 3-C-7

NOTE:
1. A MINIMUM OF 8 FEET OF EACH SIDE OF THE PROPOSED FENCE SHALL BE CLEARED OF SHRUBS, BUSHES, TREES, ROOTS, STUMPS AND OTHER DEBRIS.

3-C-5	3-C-4
3-C-7	3-C-6
3-C-9	3-C-8
3-C-10	

SITE PLAN LAYOUT
KEY PLAN

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

PARTIAL SITE PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

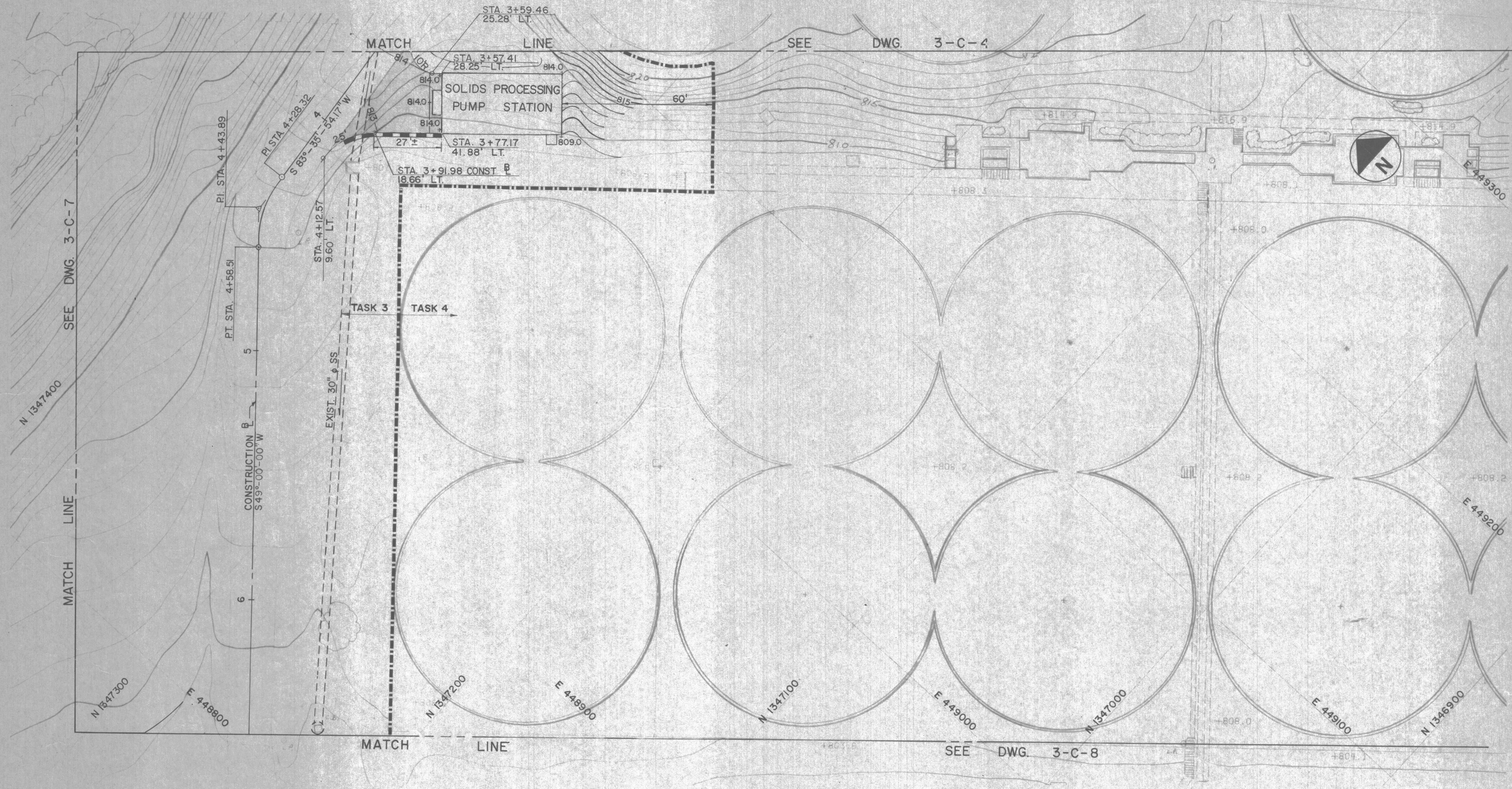
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	KLW	APPROVED	Delon Hampton	LAND LOT 111	DISTRICT 15 DEKALB COUNTY
DRWN	JS			APPROVED	SHEET NUMBER 7
CHKD	EH	SCALE 1" = 20'	DATE FEB., 1981	DRAWING NO. 3-C-5	OF 192

3M POLYTRACE 033

AF 14446



LEGEND:

▨ NEW PAVEMENT

NOTES: 1. SEE DWG. 3-P-6 FOR PROCESS YARD PIPING

3-C-5	3-C-4
3-C-7	3-C-6
3-C-9	3-C-8
3-C-10	

SITE PLAN LAYOUT KEY PLAN

NO.	DATE	BY	DESCRIPTION	PLACES
1		TSB	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

PARTIAL SITE PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN K.L.W. | DRWN L.B. | CHKD R.R.R.

APPROVED Delon Hampton

SCALE 1" = 20' DATE FEB. 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

DRAWING NO. 3-C-6

SHEET NUMBER 8 OF 192

IF POLYTRACE® 033

AF 14446

MATCH LINE

SEE DWG. 3-C-5

SEE DWG. 3-C-6

MATCH LINE

TASK 4

TASK 3

CHAIN LINK FENCING CL 6WA
SEE NOTES 1 & 4

APPROXIMATE BOUNDARY OF
EXISTING SLUDGE POND

PROPOSED
PAVED DITCH (W=4')
SEE NOTE 2

INV. 796.80

INV. 816.00

DITCH TRANSITION
SEE NOTE 3

EDGE OF CLARIFIER

APPROXIMATE BOUNDARY OF
EXISTING SLUDGE POND

MATCH LINE

SEE DWG. 3-C-9

N 1347900
N 1347800
N 1347700
N 1347600
N 1347500
N 1347400

E 448400
E 448500
E 448600
E 448700
E 448800
E 448900

870
865
860
855
850
845
840
835
830
825
820
815
810
805

100'
35'
18"SS
10'
6'
22'
320'

NOTES:

1. SEE DWG. 3-C-2 FOR CHAIN LINK FENCE LOCATION.
2. SEE DWG. 3-C-17 FOR PAVED DITCH DETAILS
3. SEE DWG. 3-C-20 FOR DITCH TRANSITION DETAILS.
4. SEE DWG. 3-C-19 FOR CHAIN LINK FENCE DETAILS
5. COPY NOTE 6 OF 3-C-4.
6. A MINIMUM WIDTH OF 8 FEET OF EACH SIDE OF THE PROPOSED FENCE SHALL BE CLEARED OF SHRUBS, BUSHES, TREES, ROOTS, STUMPS, AND OTHER DEBRIS.

3-C-5	3-C-4	
3-C-7	3-C-6	
3-C-9	3-C-8	
	3-C-10	

SITE PLAN LAYOUT
KEY PLAN

NO.	DATE	BY	DESCRIPTION	PLACES
2		7/18	AS BUILT	
1	6/82	BJT	EXISTING SLUDGE POND BOUND.	1

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

PARTIAL SITE PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	K.L.W.	APPROVED	Delon Hampton
DRWN	J.B.		
CHKD	R.R.R.	SCALE	1" = 20'
		DATE	FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

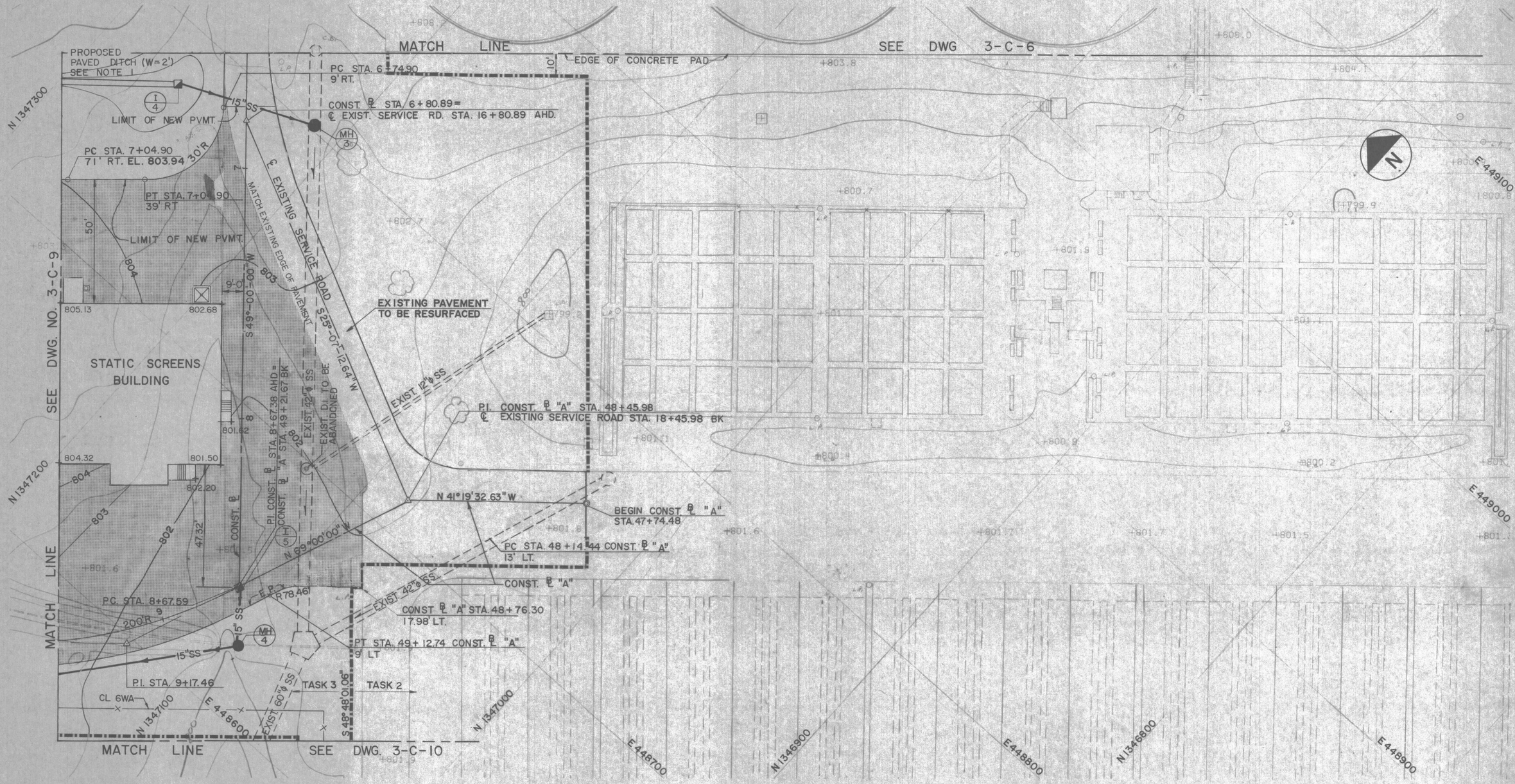
APPROVED

SHEET NUMBER 9 OF 192

DRAWING NO. 3-C-7

POLYTRACE 033

AP 14446



NOTES:

1. SEE DWG. 3-C-17 FOR PAVED DITCH DETAIL.
2. SEE DWG. 3-P-4 FOR PROCESS YARD PIPING.

LEGEND:

NEW PAVEMENT

20'

3-C-5	3-C-4
3-C-7	3-C-6
3-C-9	3-C-8
3-C-10	

SITE PLAN LAYOUT KEY PLAN

NO.	DATE	BY	DESCRIPTION	PLACES
1	-	T.E.B.	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

PARTIAL SITE PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN K.L.W. | DRWN J.B. | CHKD R.R.R.
APPROVED Delon Hampton
SCALE 1" = 20' DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

DRAWING NO. 3-C-8

SHEET NUMBER 10 OF 192

1" POLYTRACE 033

AF 14446

MATCH LINE

SEE DWG. 3-C-7

CHAIN LINK FENCE CL 6WA
SEE DWG. 3-C-19 FOR DETAILS

APPROXIMATE BOUNDARY OF EXISTING SLUDGE POND

POE STA. 15+00.70

804.70 804.84 804.98

18" SS

100'

INTRENCHMENT

N1347700

PT. STA. 14+76.20, 9' RT.
EL. 805.10

25' R

POE STA. 31+17.50

PC. STA. 30+34.00 (SER. DR.) 10.50' LT.
EL. 805.62

SERVICE ROAD ℄ STA. 14+40.70 =
SERVICE DRIVE ℄ STA. 30+00.00
EL. 805.14

℄ SERVICE DRIVE 31
S 41°-00'00" E

N 49°-00'00" E

14'

SLUDGE PUMP STATION

CLARIFIER CONTROL ROOM

808.02

PT. STA. 30+34.00 (SER. DR.) 10.50' RT.
EL. 805.73

PC. STA. 14+05.20, 9' RT.
EL. 805.46

APPROXIMATE BOUNDARY OF EXISTING SLUDGE POND

CLARIFIER

CLARIFIER

FLOCCULATION BASIN

FLOCCULATION BASIN

PAVED DITCH (W=2') SEE NOTE ONE

RAPID MIXER

VAULT

4' CONCRETE SIDEWALK

OVERHEAD PIPES

PT STA. 7+34.90
102' RT. 804.85

CHANNEL (OVERHEAD)

805.25

28'

EDGE OF SCREENS BLDG.

30' R

SEE DWG. 3-C-8

N1347200

E448700

MH 6

15" SS

8" SS

H.W.-2 N1347523.5
E448308.5

SEE DWG. 3-C-17 FOR DETAILS

PT STA. 13+59.70

16' 9' 9' 25'

20'

PT CONST. ℄ STA. 9+92.24
29' RT. BEGIN SERVICE ROAD
EL. 803.29

PC CONST. ℄ STA. 9+72.24
29' RT. EL. 803.30

20' R

803.18

200' R

PT. STA. 9+65.33

15" SS

H. PT. 805.66

804.38

15'

805

CREEK

N1347600

E448200

APPROXIMATE BOUNDARY OF EXISTING SLUDGE POND

PC STA. 12+81.16

PT STA. 13+31.16

℄ SERVICE ROAD
N 41°-00'-00" W

CONST. ℄

CHAIN LINK FENCE

12' GATE
STA. 11+35±

MH 5

N1347500

E448300

N1347400

E448400

N1347300

E448500

N1347200

MATCH LINE

SEE DWG. 3-C-10

LEGEND:

NEW PAVEMENT

NOTES:

1. SEE DWG. 3-C-17 FOR PAVED DITCH DETAILS
2. FOR TYPICAL SECTIONS SEE DWG. 3-C-11
3. FOR STORM SEWER PROFILES SEE DWG. 3-C-14
4. FOR PROFILE OF SERVICE ROAD SEE DWG. 3-C-3
5. A MINIMUM WIDTH OF 8 FEET OF EACH SIDE OF THE PROPOSED FENCE SHALL BE CLEARED OF SHRUBS, BUSHES, TREES, ROOTS, STUMPS, AND OTHER DEBRIS.
6. SEE DWG. 3-P-5 FOR PROCESS YARD PIPING.
7. SEE DWG. 3-C-1 FOR FENCE LOCATION

1" = 20'

SITE PLAN LAYOUT KEY PLAN

3-C-5	3-C-4	
3-C-7	3-C-6	
3-C-9	3-C-8	
	3-C-10	

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
3		T&B	AS BUILT	1
2	6/82	BJT	EXISTING SLUDGE POND BOUND.	1
1	3/82	RMM	LOCATED 3/81 F. SELDCATED FENCE & ADDED PLACES	G

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

PARTIAL SITE PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	R.R.R.	APPROVED	Delon Hampton
DRWN	J.B.		
CHKD	K.L.W.	SCALE 1"=20'	DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111	DISTRICT 15	DEKALB	COUNTY
APPROVED		SHEET NUMBER 11	
DRAWING NO. 3-C-9		OF 192	

POLYTRACE 033

AP 14446

MATCH LINE — SEE DWG. 3-C-9

MATCH LINE — SEE DWG. 3-C-8

N 1347400

N 1347300

INTRENCHMENT

CREEK

20'
20'
18" SS

EXIST. 60" Ø SS

STEAM SEWER

10' 10' 5.5'
E 449600

35'
20'
10'
10'
E 449500

HEADWALL SEE DWG. NO. 3-C-17 FOR DETAILS

HW-1 N.1347091.5
E.4483405.5

CHAIN LINK FENCING CL 6WA
SEE DWG. 3-C-19 FOR DETAILS.

SEE GENERAL SITE PLAN FOR FENCE BEYOND PARTIAL SITE PLANS.

E 448100
N 1347300

E 448200
N 1347100

N 1347000
E 448300

N 1346900
E 448400

NOTE

1. A MINIMUM WIDTH OF 8 FEET OF EACH SIDE OF THE PROPOSED FENCE SHALL BE CLEARED OF SHRUBS, BUSHES, TREES, ROOTS, STUMPS, AND OTHER DERBIS.

1" = 20'

3-C-5	3-C-4
3-C-7	3-C-6
3-C-9	3-C-8
3-C-10	

SITE PLAN LAYOUT KEY PLAN

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

PARTIAL SITE PLAN

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	K.L.W.	APPROVED	Delon Hampton
DRWN	J.S.		
CHKD	R.R.R.	SCALE	1"=20'
		DATE	FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT	111	DISTRICT	15	DEKALB COUNTY

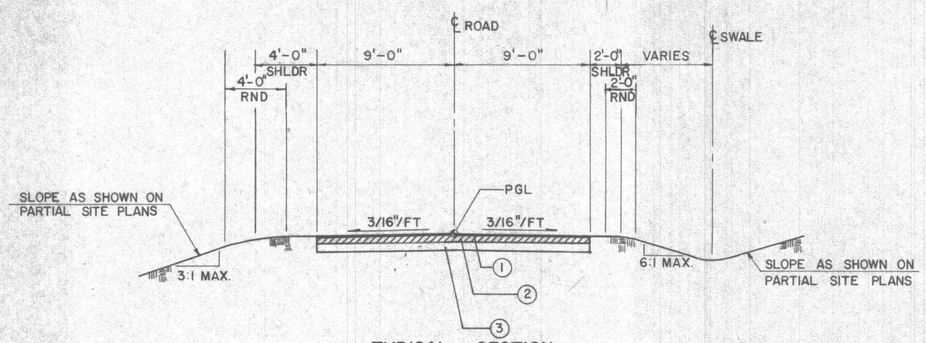
APPROVED

DRAWING NO. 3-C-10

SHEET NUMBER 12 OF 192

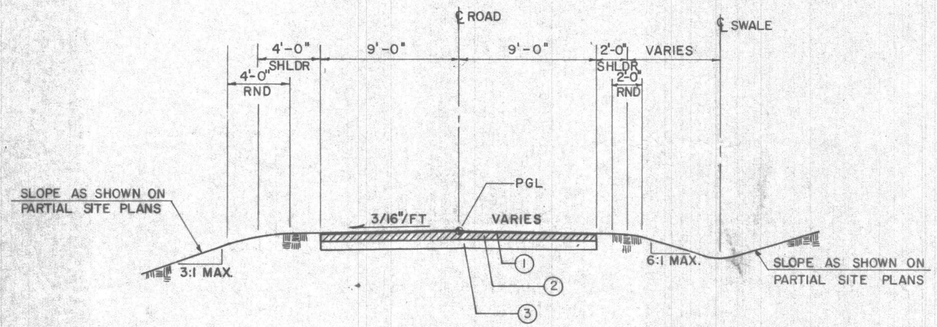
POLYTRACE 033

AF 14446



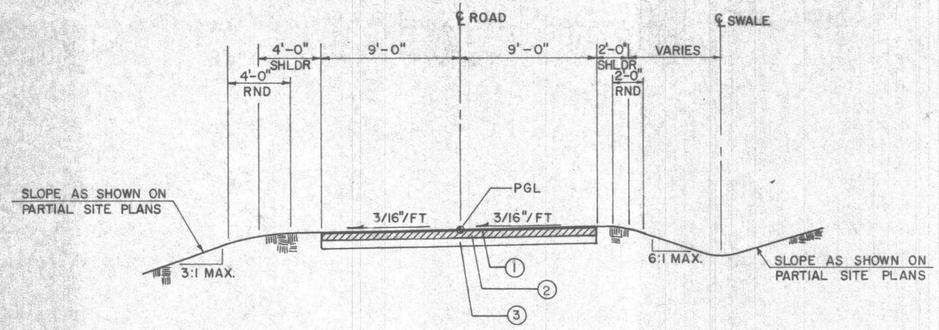
TYPICAL SECTION

STA. 9+92.24 TO STA. 13+59.70



TYPICAL SECTION

STA. 13+59.70 TO STA. 14+05.20



TYPICAL SECTION

STA. 14+05.20 TO STA. 15+00.70

SCALE

HOR: 1"=5'-0"

VERT: 1"=5'-0"

NOTES

(1) 1 1/2" ASPHALTIC SURFACE COURSE

(2) 6" ASPHALT BASE COURSE

(3) 6" GRADED AGGREGATE SUB-BASE

NO.	DATE	BY	DESCRIPTION	PLACES
1		TEB	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

TYPICAL SECTIONS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED No. 9155 PROFESSIONAL Expires ENGINEER DELON HAMPTON

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	KLW	APPROVED	Delon Hampton
DRWN	JS		
CHKD	EH	SCALE AS NOTED	DATE FEB., 1981

LAND LOT 111 DISTRICT 15 DEKALB COUNTY

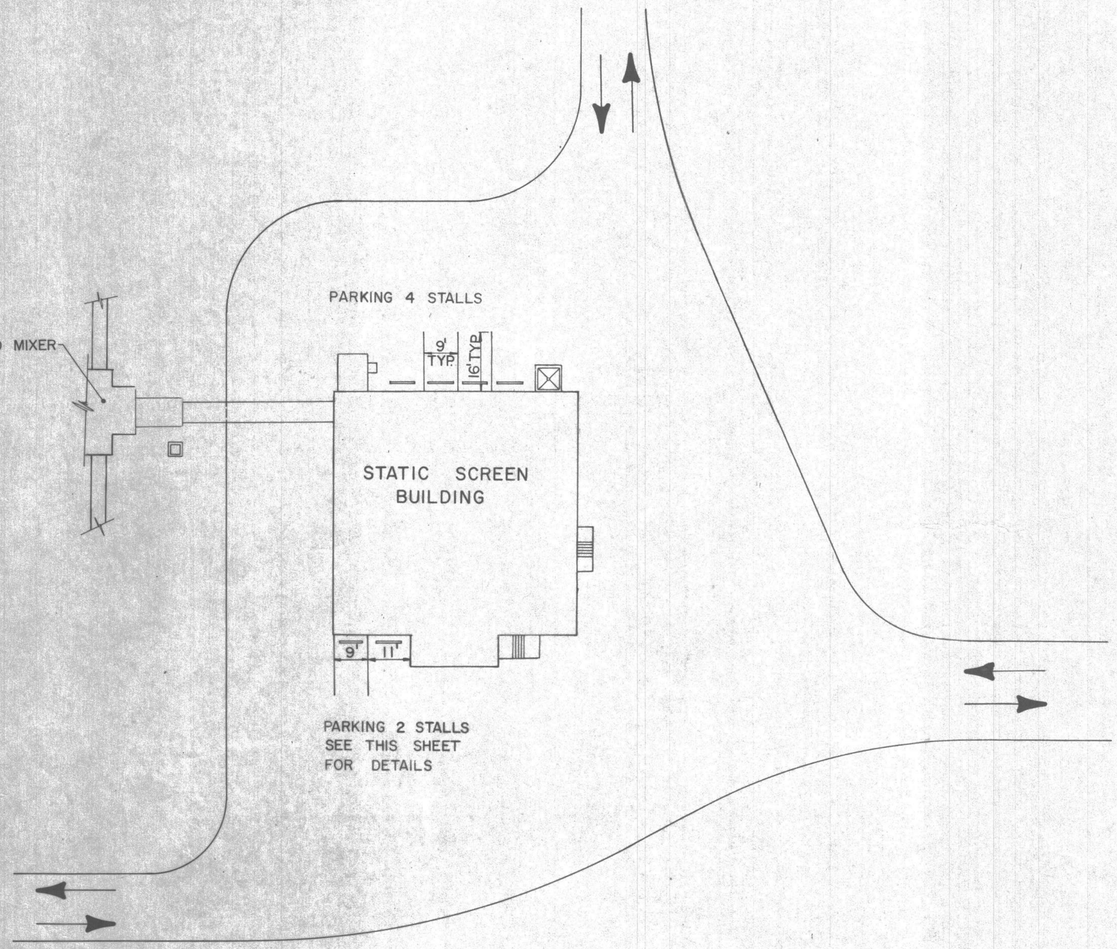
APPROVED

DRAWING NO. 3-C-11

SHEET NUMBER 13 OF 192

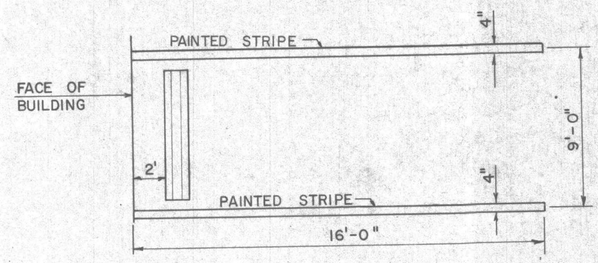
POLYTRACE 033

AF 14446

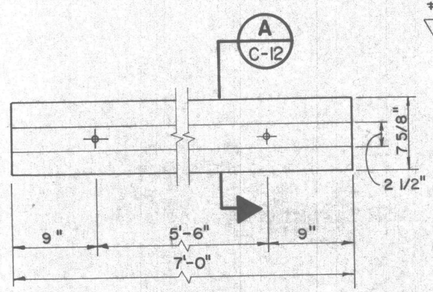


PARKING AREA LAYOUT
SCALE: 1" = 20'-0"

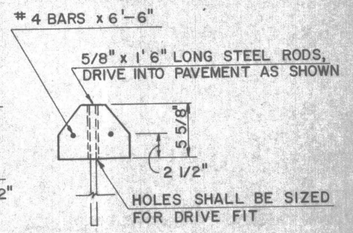
1"



STANDARD CAR STALL DETAIL
NOT TO SCALE



PLAN



SECTION A C-12

7'-0" BUMPER
SCALE: 1 1/2" = 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
1		TJB	AS BUILT	

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

PAINTING DETAILS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

GEORGIA REGISTERED No. 9165 PROFESSIONAL Expires ENGINEER DELON HAMPTON

DSGN	R.R.R.	APPROVED	Delon Hampton
DRWN	U.K.		
CHKD	K.L.W.	SCALE AS SHOWN	DATE FEB., 1981

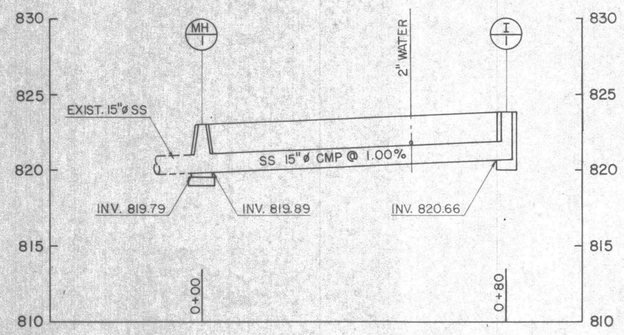
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

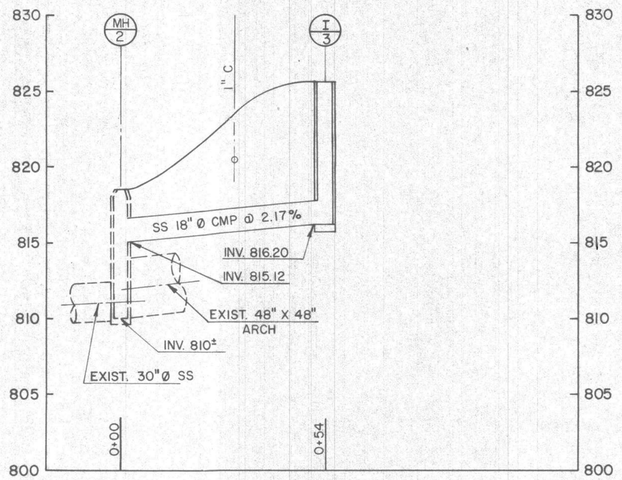
THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111	DISTRICT 15	DEKALB COUNTY
APPROVED		SHEET NUMBER 14 OF 192
DRAWING NO. 3-C-12		

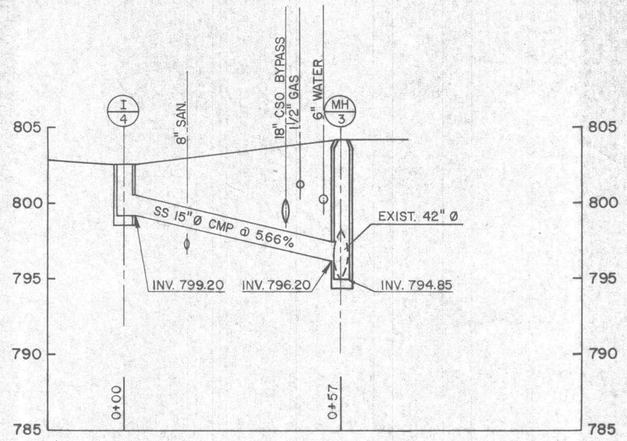
© POLYTRACE 033

AF 14446

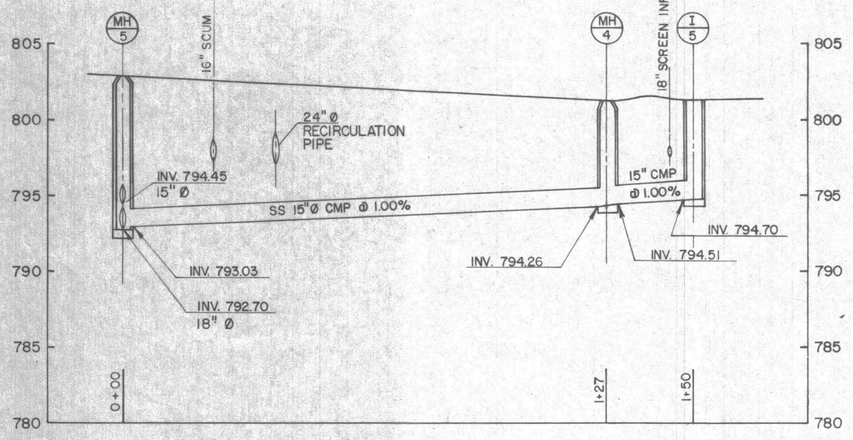


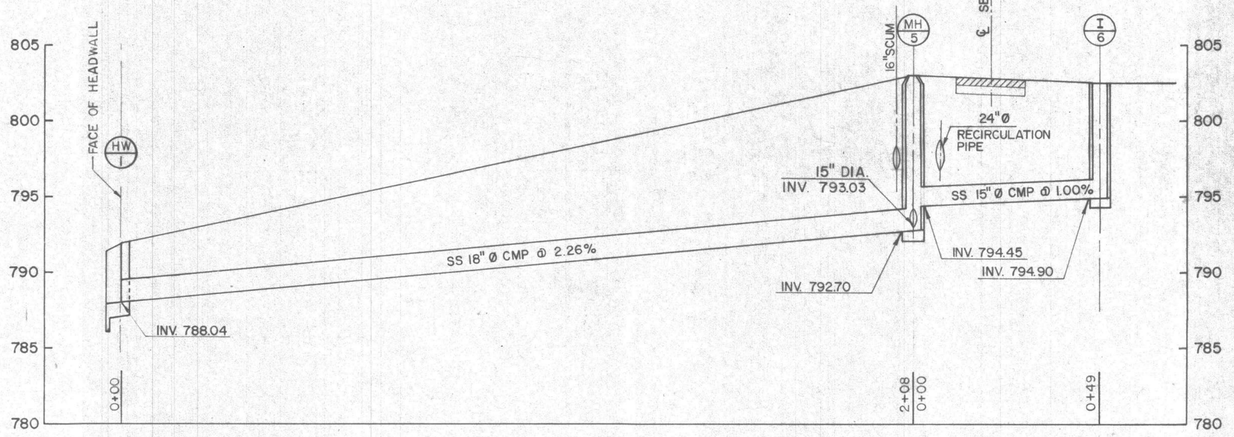


SCALE: HORIZ.- 1"= 20'-0"
VERT. - 1"= 5'-0"



SCALE: HORIZ.- 1"= 20'-0"
VERT.- 1"= 5'-0"





SCALE: HORIZ.- 1"= 20'-0"
VERT.- 1"= 5'-0"

1"

NO.	DATE	BY	DESCRIPTION	PLACES
2		TSB	AS BUILT	
1	3/82	RMH	ADDED NOTATIONS	2

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

DRAINAGE PROFILES I

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN K.L.W. | APPROVED
DRWN U.K. | Delon Hampton
CHKD R.R.R. | SCALE AS NOTED | DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

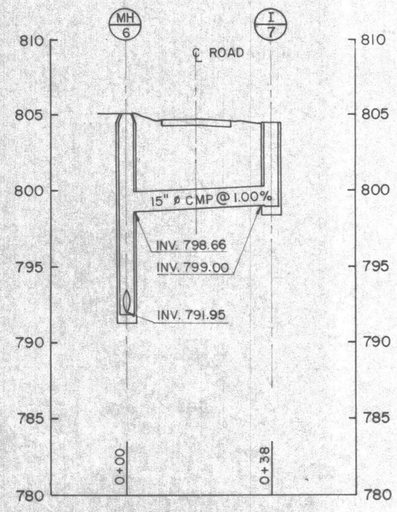
APPROVED

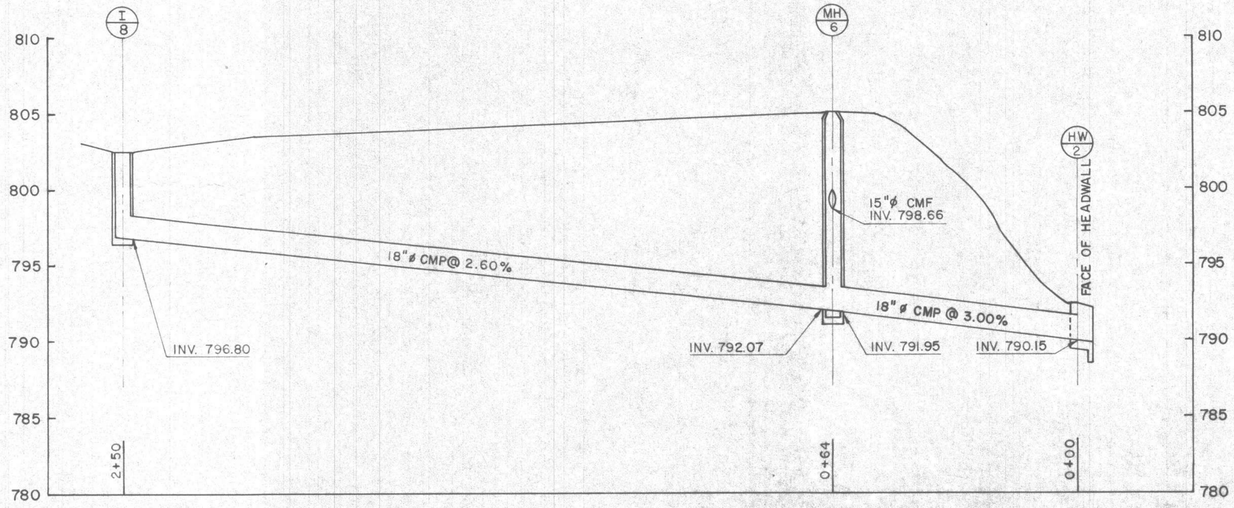
DRAWING NO. 3-C-13

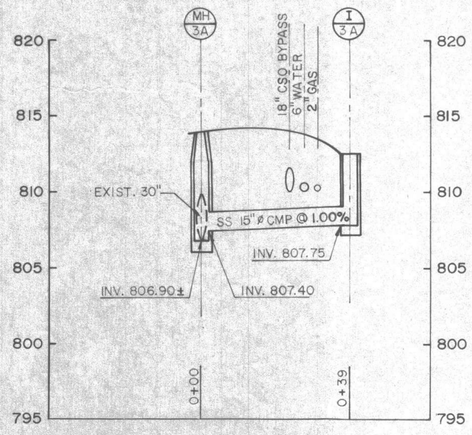
SHEET NUMBER 15 OF 192

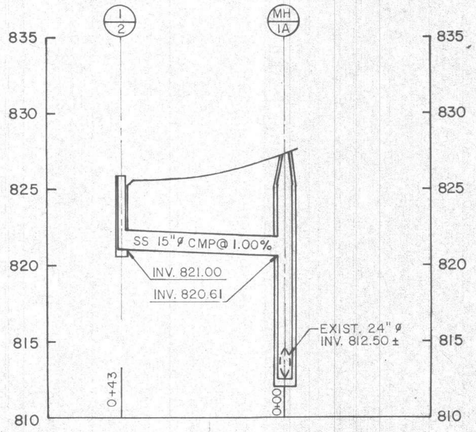
POLYTRACE 033

AF 14446









SCALE: HORIZ.- 1"=20'-0"
VERT. - 1"= 5'-0"

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
2		TEB	AS BUILT	
1	3/82	RMM	ADDED NOTATION @ INV. 798.66	1

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

DRAINAGE PROFILE II

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN	R.R.	APPROVED	Delon Hampton
DRWN	J.B.		
CHKD	K.W.	SCALE AS NOTED	DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111	DISTRICT 15	DEKALB	COUNTY
APPROVED			SHEET NUMBER 16
DRAWING NO. 3-C-14			OF 192

POLYTRACE 033

AP 14446

DRAINAGE SCHEDULE

STRUCTURE						PIPE					
STRUCTURE NO.	STATION	OFFSET	TYPE OF STRUCTURE	TOP ELEV.	INV. ELEV.	D (IN)	LENGTH (ft)	SLOPE (%)	MAX. COVER (ft)	TYPE (1)
I-1	0+18.94	11.00' RT.	CURB C.B.	823.86	820.66	15	80	1.00	2	RCP
MH-1	0+92.56	12.72' RT.	STD MH	823.00	IN 819.89 OUT 819.79					
I-3	2+73	77' RT.	D.I. TYPE B W/ WEIR	825.70	816.20	18	54	2.17	9	RCP
MH-2	3+02±	31'± RT.	EXIST. MH	818.50	IN 815.12 OUT 810±					
I-4	6+66.5	27' RT.	STD. DROP INLET	802.50	799.20	15	57	5.66	6	RCP
MH-3	6+82.5	28' LT.	STD. MH	804±	IN 796.20 OUT 794.85					
I-5	49+16.67*	0.0	STD. DROP INLET	801.29	794.70	15	23	1.00	7	RCP
MH-4	8+75	22' LT.	STD. MH	801.20	IN 794.51 OUT 794.26	15	127	1.00	8	RCP
MH-5	9+95	20' LT.	STD. MH	802.90	IN 793.03 OUT 792.70					
I-6	9+95	28' RT.	STD. DROP INLET	802.50	794.90	15	49	1.00	9	RCP
MH-5	9+95	20' LT.	STD. MH	802.90	IN 794.45 OUT 792.70	18	208	2.26	10	RCP
HW-1	—	—	STD. HW	792.00	788.04					
I-7	13+84	20' RT.	STD. DROP INLET	803.80	799.00	15	38	1.00	5	RCP
MH-6	13+84	19'. RT.	STD. MH	805.00	IN 798.66 OUT 791.95					
I-8	6+30.92	478.92'RT.	D. I. TYPE B W/WEIR		796.80	18	186	2.60	5	RCP
MH-6	13+84	19' LT.	STD. MH	805.00	IN 792.07 OUT 791.95	18	64	3.00	12	RCP
HW-2	—	—	STD. HW	792.00	790.15					
I-2	1+24.00	157.18'RT.	CURB C.B.	825.80	821.00	15	43	1.00	5	RCP
MH-1A	1+31.00	116'± RT.	STD. MH	827.44	IN 820.61 OUT 812.50					
I-3A	3+34	28' LT.	STD. DROP INLET	812.50	807.75	15	39	1.00	5	RCP
MH-3A	3+52.5	6'± RT.	STD. MH	814.9	IN 807.40 OUT 806.90					

NOTES

1. FOR CATCH BASIN AND STANDARD DROP INLET DETAILS SEE DWG. 3-C-16.
2. FOR STANDARD MANHOLE DETAILS SEE DWGS. 3-C-16 AND 3-C-17.
3. FOR TYPE B DROP INLET WITH WEIR DETAILS SEE DWG. 3-C-18.
4. CORRUGATED METAL PIPE SHALL BE 2 2/3" x 1/2" CORRUGATION WITH MINIMUM THICKNESS OF 0.064 INCHES UNLESS NOTED OTHERWISE.
5. FOR HEAD WALL DETAILS SEE DWG. 3-C-17.
6. DISREGARD THE REFERENCE TO CMP TYPE DRAINAGE PIPING ON ALL TASK 3 DRAWINGS. ALL DRAINAGE (2) PIPING SHALL BE RCP.

* CONSTRUCTION ℄ "A" STATIONING.
ALL OTHERS ARE CONSTRUCTION ℄ STATIONING.

NO.	DATE	BY	DESCRIPTION	PLACES
3		T&B	AS BUILT	
2	11/82	BT	ADD NOTE 6	1
1	11/82	BT	CHANGE CMP TO RCP	12

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

DRAINAGE SCHEDULE

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
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ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	KLW	APPROVED	Delon Hampton
DRWN	JS		
CHKD	RRR	SCALE NONE	DATE FEB., 1981

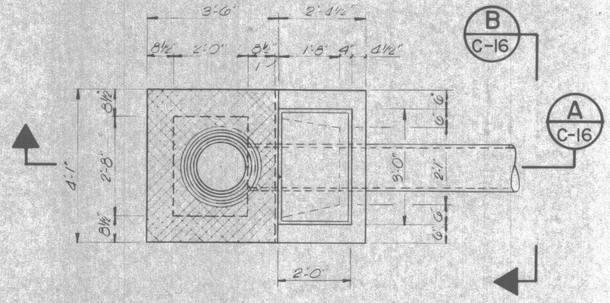
LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

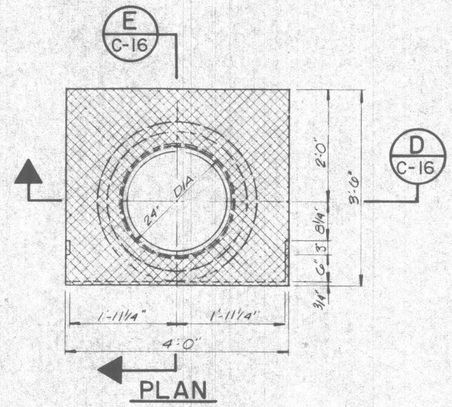
DRAWING NO. 3-C-15

SHEET NUMBER 17 OF 192

POLYTRACE 033

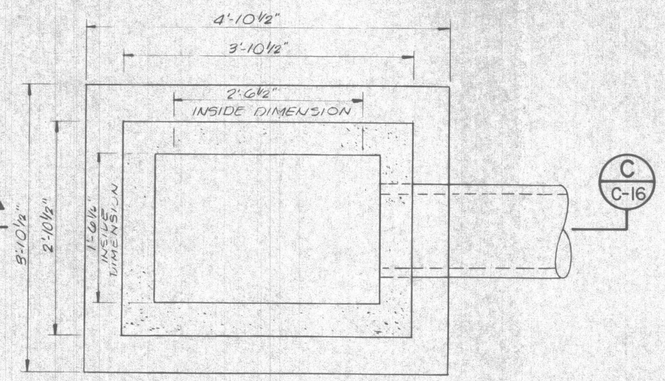


PLAN

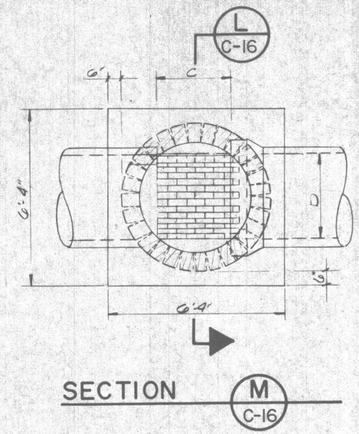


PLAN

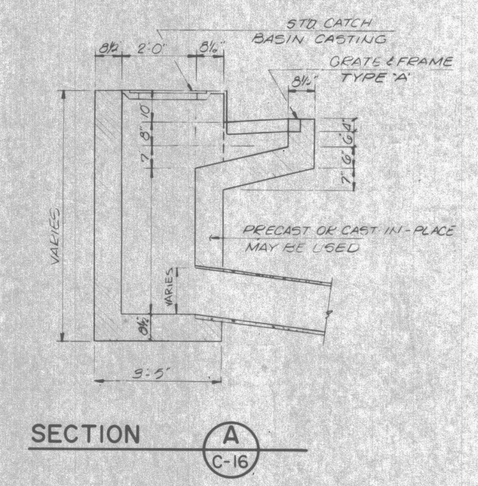
SCALE : 3/4" = 1'-0"



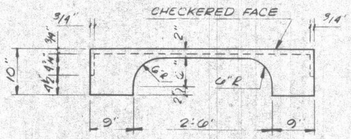
PLAN



SECTION M C-16

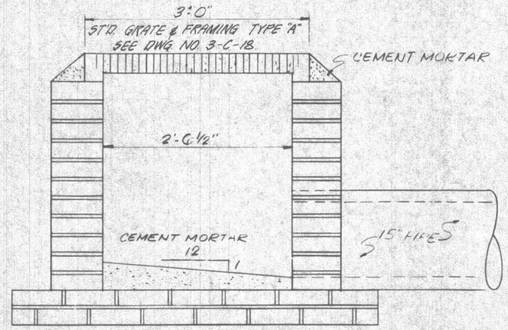


SECTION A C-16



SECTION D C-16

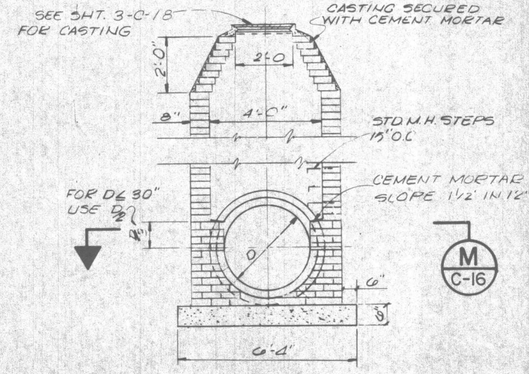
SCALE : 3/4" = 1'-0"



SECTION C C-16

STANDARD DROP INLET

SCALE : 1" = 1'-0"



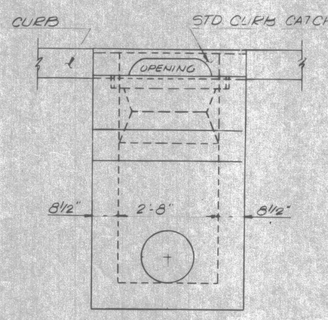
SECTION L C-16

D	10"	12"	15"	18"	21"	24"	27"	30"	36"
C	1'-11¼"	1'-11"	1'-11"	1'-10"	1'-10"	1'-7"	1'-6¼"	1'-6"	1'-4"

DEPTH BELOW SURF	WALL THICKNESS	FOOTING	
		T.E. DEPTH	DIMENSIONS
0'-10'	AS SHOWN	0'-10"	AS SHOWN
10'-20'	12"	10"-20"	7'-0" x 7'-0"
20'-30'	16"	20"-30"	7'-8" x 7'-8"

STANDARD MANHOLE

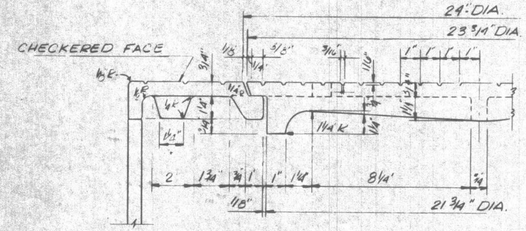
SCALE : 3/8" = 1'-0"



SECTION B C-16

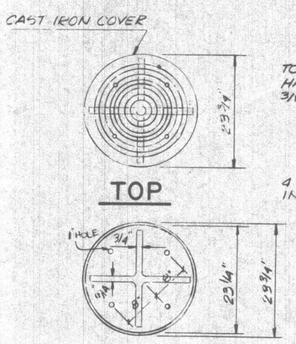
STANDARD CURB CATCH BASIN

SCALE : 1/2" = 1'-0"



STANDARD CATCH BASIN CASTING

SCALE : 3" = 1'-0"



TOP

BOTTOM

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
1		T&B	AS BUILT	

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

DRAINAGE DETAILS I

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
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ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

DSGN	KLW	APPROVED	
DRWN	UK	Delon Hampton	
CHKD	EPH	SCALE AS SHOWN	DATE FEB. 1981

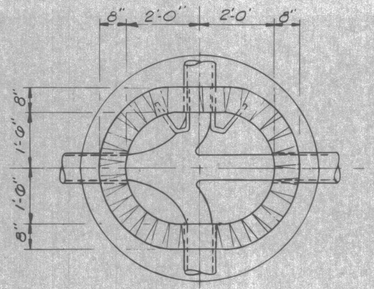
LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

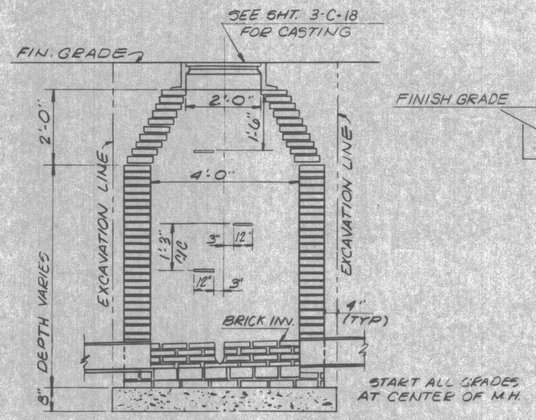
APPROVED

SHEET NUMBER 18 OF 192

DRAWING NO. 3-C-16

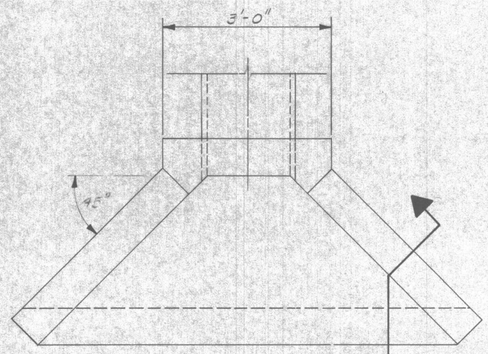
1" POLYTRACE 033



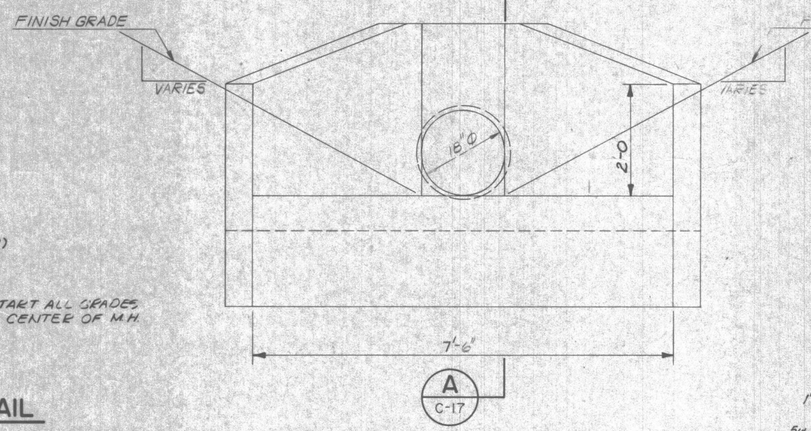


STANDARD MANHOLE DETAIL

SCALE: 1/2" = 1'-0"

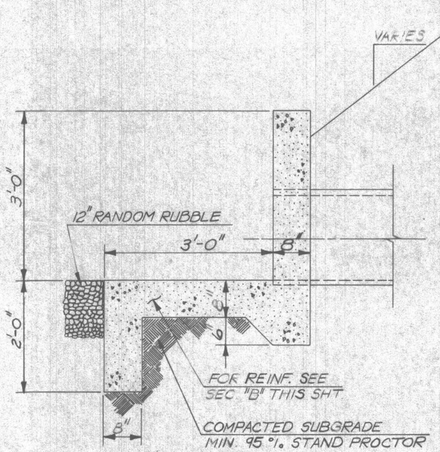


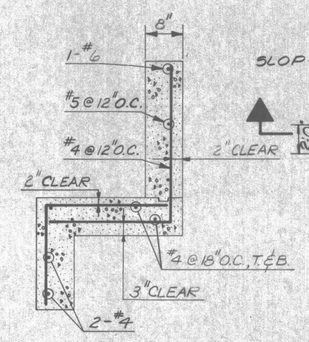
PLAN

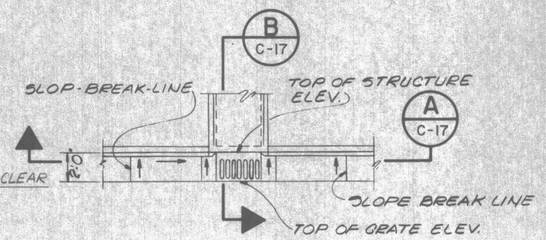


STANDARD PRECAST CONCRETE HEADWALL

NOT TO SCALE



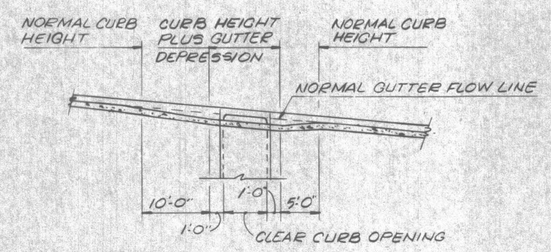


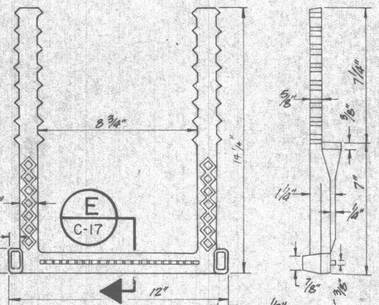


PLAN

SECTION A C-17
SCALE: 1/2" = 1'-0"

SECTION B C-17
SCALE: 1/2" = 1'-0"

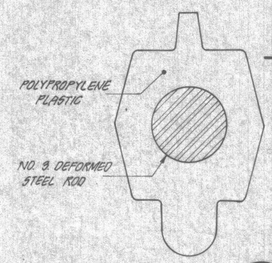




SCALE: 1/4" = 1"

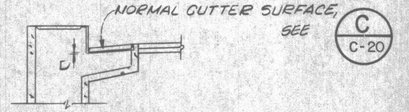
MANHOLE STEP

FOR BRICK MANHOLE



SECTION E C-17
SCALE: 2" = 1"

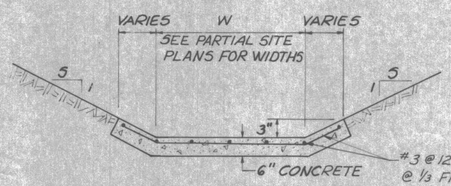
SECTION A C-17



SECTION B C-17

GUTTER DEPRESSION AT GRADE

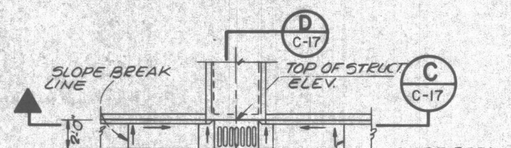
N.T.S.



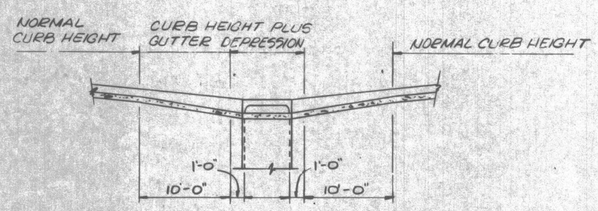
SEE PARTIAL SITE PLANS FOR SIDE SLOPES

DITCH SECTION

N.T.S.

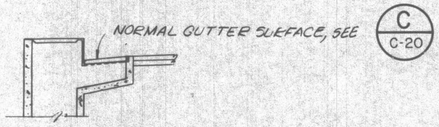


PLAN



SECTION C C-17

SECTION D C-17



GUTTER DEPRESSION AT SAG

N.T.S.

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

DRAINAGE DETAILS II

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
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CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

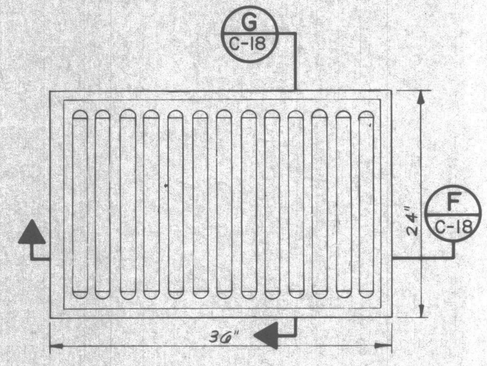
DSGN	KLW	APPROVED		LAND LOT	111
DRWN	UK	APPROVED	Delon Hampton	DISTRICT	15
CHKD	EPH	SCALE	AS NOTED	DATE	FEB, 1981

DEKALB COUNTY

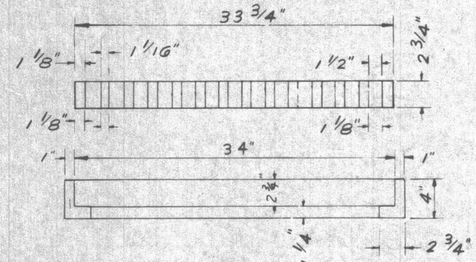
APPROVED

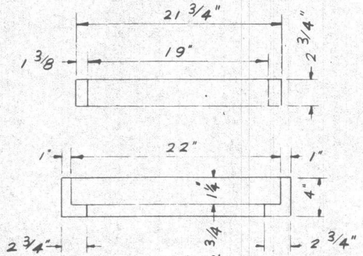
SHEET NUMBER 19 OF 192

DRAWING NO. 3-C-17

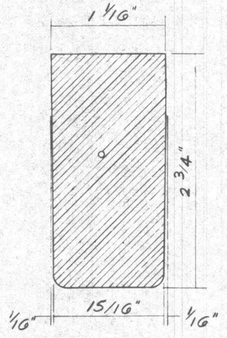


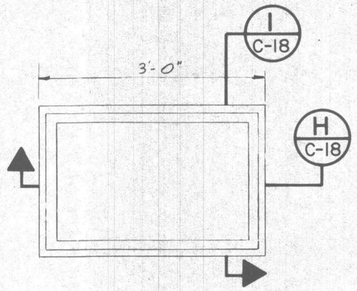
PLAN OF GRATE



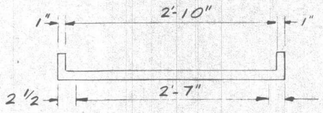


SECTION F C-18

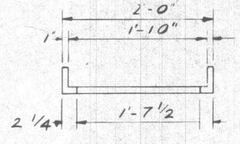




PLAN OF FRAME



SECTION H C-18



SECTION I C-18

WEIGHTS
FRAME (ESTIMATED)....180 LBS.
GRATE (ESTIMATED)....265 LBS.
TOTAL 445 LBS.

GRATE EST WT. 330 LBS.
FRAME EST WT. 180 LBS.
TOTAL 510 LBS.

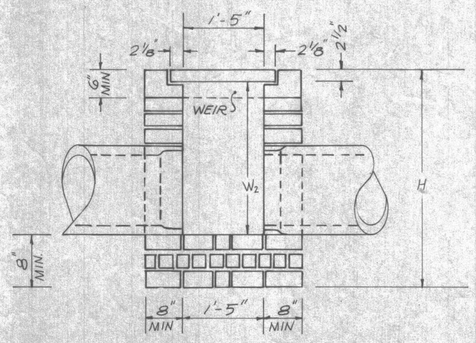
TOLERANCE
1" PER 24"

STANDARD GRATE & FRAMING TYPE A

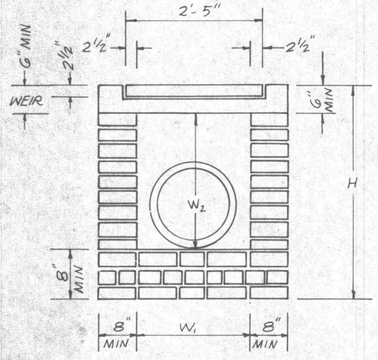
SCALE: 1 1/2"=1'-0"

STANDARD GRATE & FRAMING TYPE B

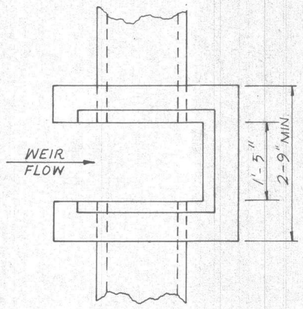
SCALE: 1"=1'-0"



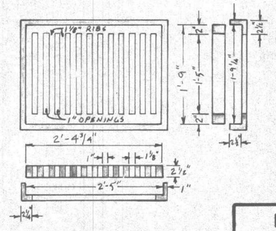
LONGITUDINAL SECTION



CROSS SECTION



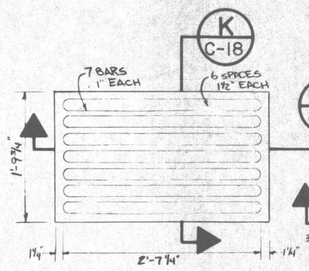
PLAN OF CONCRETE COPING SHOWING WEIR



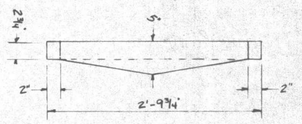
DETAILS OF C.I. GRATING & FRAME FOR TYPE "B" W/WEIR

TYPE "B" WITH WEIR

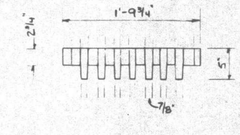
SCALE: 3/4"=1'-0"



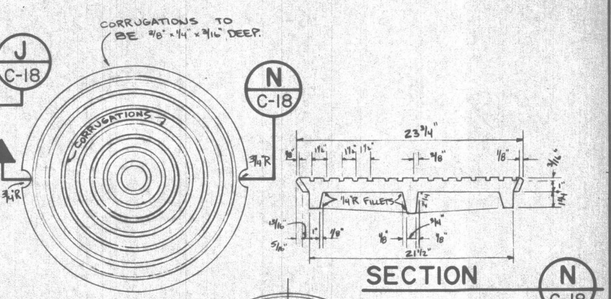
PLAN OF GRATE



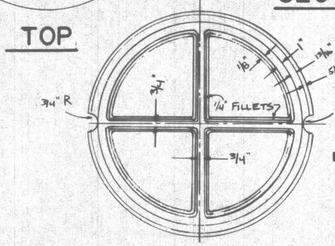
SECTION J C-18



SECTION K C-18

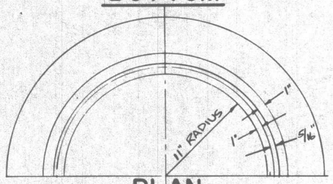


TOP

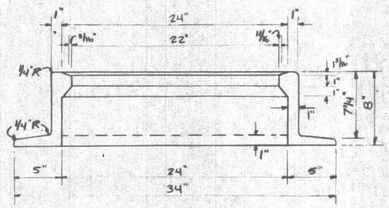


ESTIMATED WEIGHTS
FRAME 268 LBS
COVER 178 LBS.
TOTAL 446 LBS.

BOTTOM



PLAN



SECTION

STANDARD MANHOLE CASTING

SCALE: 1 1/2"=1'-0

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
1		TJB	AS BUILT	

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

DRAINAGE DETAILS III

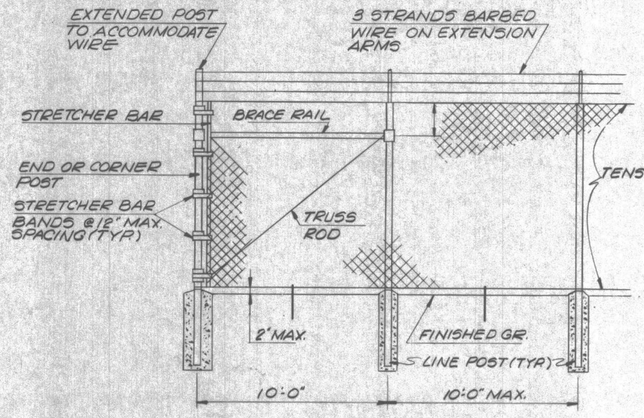
JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

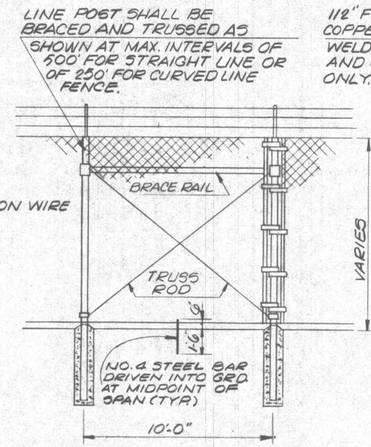
THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

DSGN	RRR	APPROVED		LAND LOT 111	DISTRICT 15	DEKALB COUNTY
DRWN	J.S.	Delon Hampton		APPROVED		SHEET NUMBER 20
CHKD	K.L.W.	SCALE AS SHOWN	DATE FEB., 1981	DRAWING NO. 3-C-18		OF 192

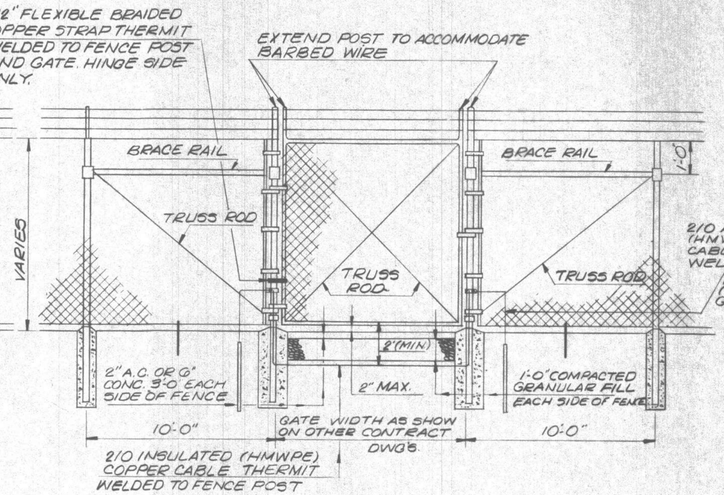
© POLYTRACE 033



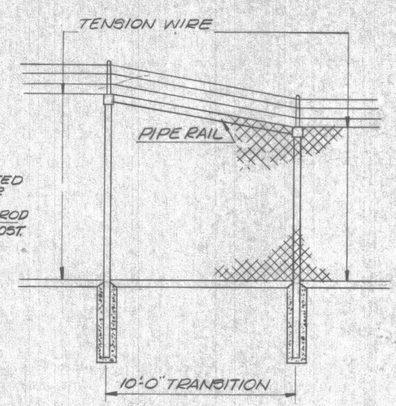
ELEVATION AT CORNER OR END



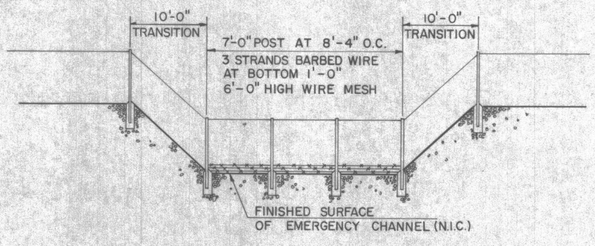
ELEVATION AT BRACED POSTS



ELEVATION AT GATE

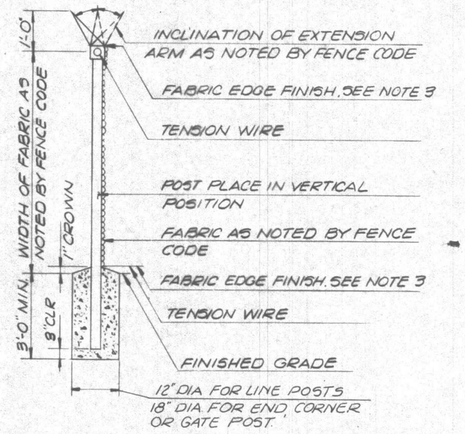


TRANSITION IN FENCE HEIGHT



SECTION A-A

SCALE: 1" = 10'



FENCE SECTION

① ② ③ ④

CL 6 W T

① TYPE OF CHAIN LINK FABRIC:

CL = GALVANIZED STEEL
VCL = VINYL-CLAD GALVANIZED

② WIDTH OF FABRIC IN FEET / HEIGHT ERECTED

③ TYPE OF TOP / BOTTOM SUPPORT:

W = TENSION WIRE
P = PIPE RAIL

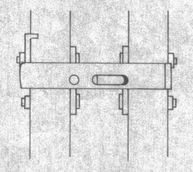
④ INCLINATION OF EXTENSION ARMS:

T = TOWARD PROTECTED FACILITY
V = VERTICAL
A = AWAY FROM PROTECTED FACILITY
O = NO BARBED WIRE OR EXTENTION ARMS USED

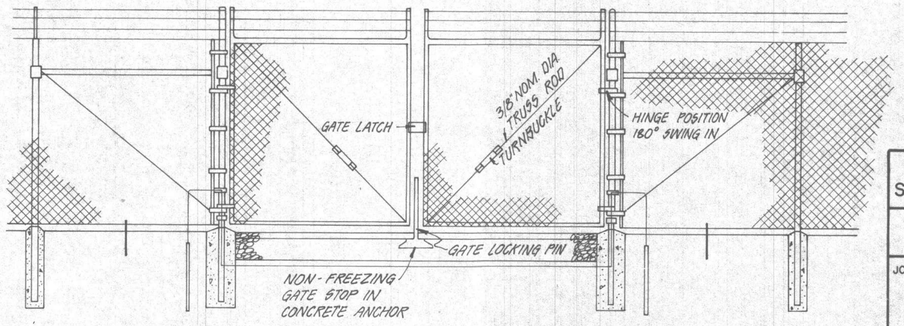
FENCE CODE

NOTES:

1. LOCATION OF FENCING, LOCATION OF GATES, GATE WIDTH AND DIRECTION OF SWING, AND ANY SPECIAL FEATURES NECESSARY TO CONST. FENCING AND GATES SHALL BE AS SHOWN ON OTHER DWG'S. ALL DIMENSIONS EXCEPT GATE WIDTH SHALL BE TO CENTERS OF POST.
2. CHAIN LINK FENCE FEATURES SHALL BE AS NOTED ON THE PLANS BY THE FENCE CODE.
3. UNLESS OTHERWISE NOTED, TOP AND BOTTOM EDGES OF FABRIC SHALL BE BARBED AND TWISTED WHEN BARBED WIRE IS USED AND KNUCKLED WHEN NO BARBED WIRE IS USED.
4. SEE SPECIFICATIONS FOR FABRICATION, INSTALLATION AND GROUNDING REQUIREMENTS FOR FENCING.



GATE LATCH DETAIL



DOUBLE GATE DETAIL

GEORGIA REGISTERED No. 9165 PROFESSIONAL ENGINEER LELCIN HAMPTON

NO.	DATE	BY	DESCRIPTION	PLACES
1		TSB	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CHAIN LINK FENCE

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

DSGN	KLW	APPROVED	
DRWN	UK.	Delon Hampton	
CHKD	RLC	SCALE NOT TO SCALE	DATE FEB., 1981

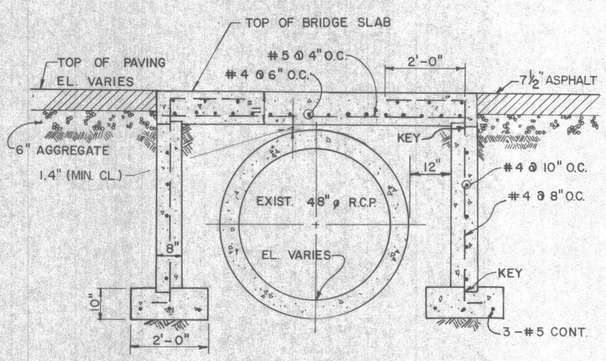
LAND LOT 82, 83, 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

DRAWING NO. 3-C-19

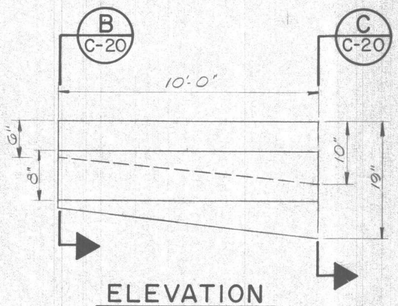
SHEET NUMBER 21 OF 192

LF POLYTRACE 033

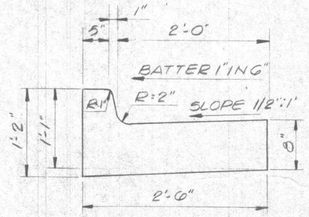


CONCRETE BRIDGE DETAIL OVER EXISTING 48" ø R.C.P. SEWER

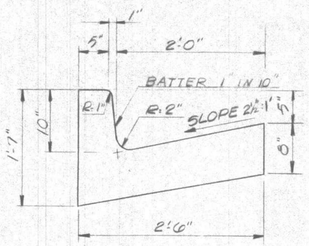
SCALE: 1/2"=1'-0"



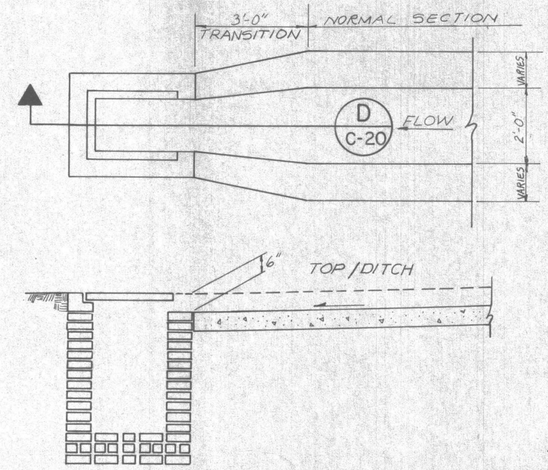
ELEVATION



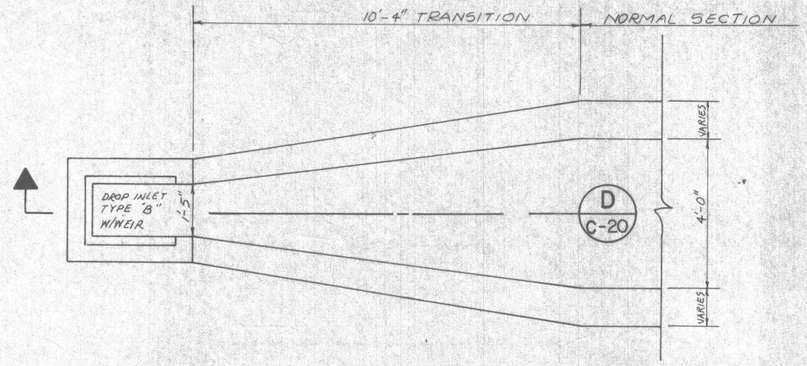
SECTION B C-20



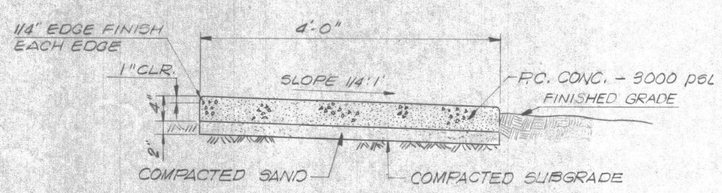
SECTION AT CATCH BASIN C C-20



SECTION D C-20



PAVED DITCH TRANSITION



SIDEWALK DETAIL

NOTES:

1. SECTIONS, WHERE DIRECTED BY THE ENGINEER, MAY BE CONSTRUCTED IN UNIFORM LENGTHS OF TWENTY (20) FT. ON TANGENT. LENGTH MAY BE REDUCED FOR CLOSURE AND AT CORNERS TO NOT LESS THAN SIX (6) FT.
2. CONCRETE CURB AND GUTTER IN ACCORDANCE WITH GEORGIA STATE HIGHWAY SPECIFICATIONS - SECTION 439 (APR 20, 1972)
3. SEE STD CURB CATCHBASIN ON DWG. 3-C-16

NO.	DATE	BY	DESCRIPTION	PLACES
Z		T.F.B.	AS BUILT	
1	3/82	RMM	ADDED 7½ ASPHALT NOTATION	1

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

MISCELLANEOUS CIVIL DETAILS

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS.

DSGN	KLW	APPROVED	Delon Hampton
DRWN	JS		
CHKD	RRR	SCALE NOT TO SCALE	DATE FEB., 1981

LAND LOT 82,83,111 | DISTRICT 15 | DEKALB COUNTY

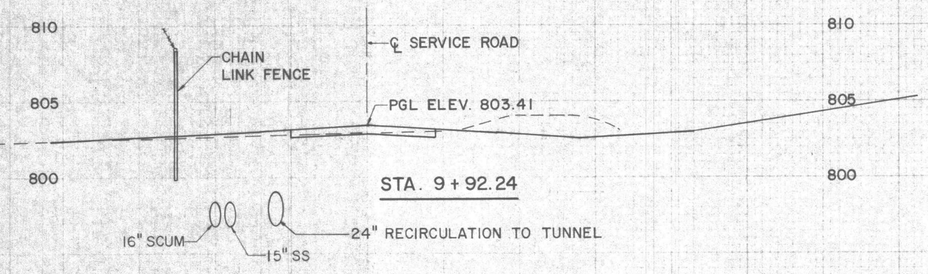
APPROVED

DRAWING NO. 3-C-20

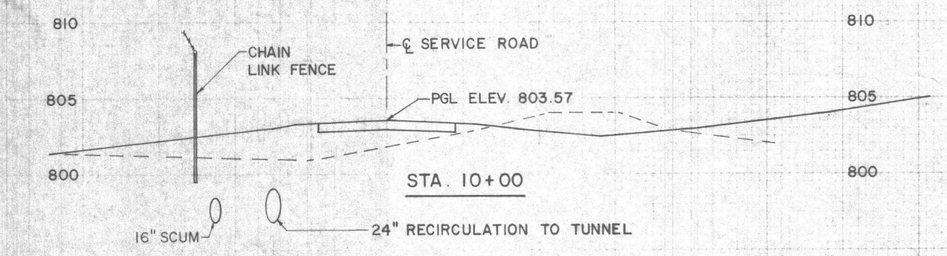
SHEET NUMBER 22 OF 192

POLYTRACE 033

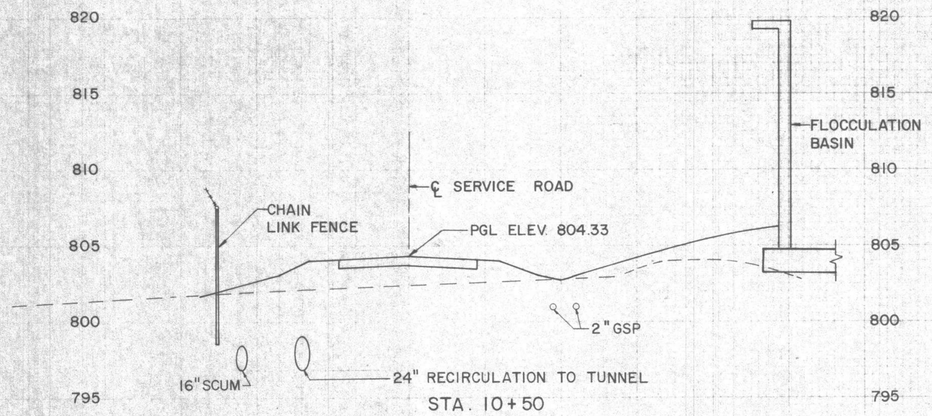
AF 14446



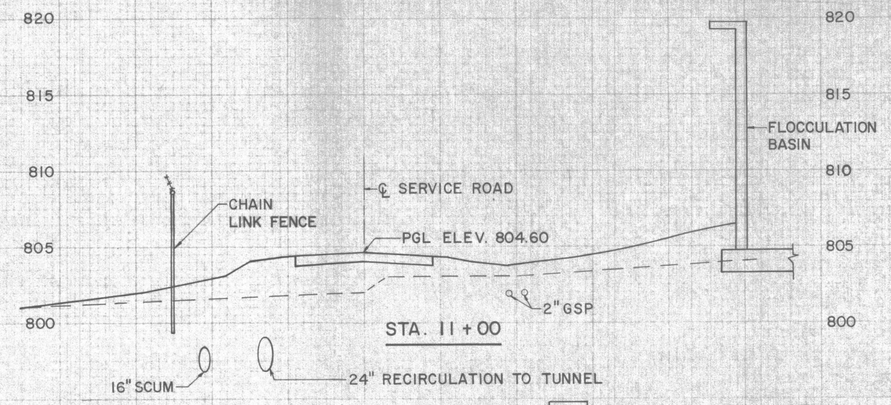
STA. 9+92.24



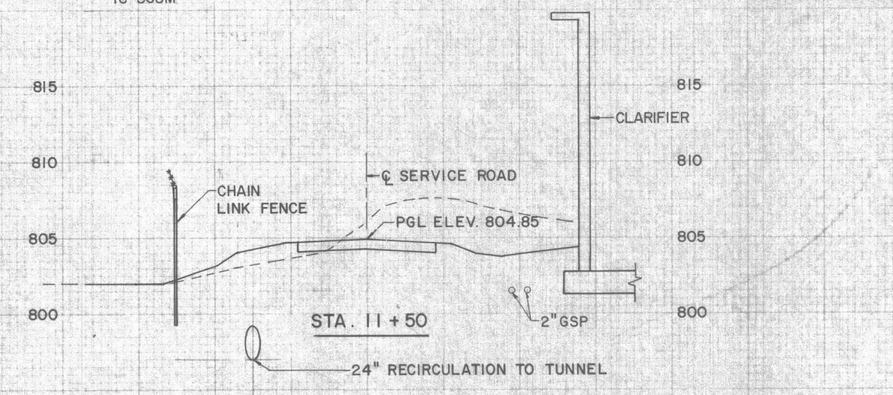
STA. 10+00



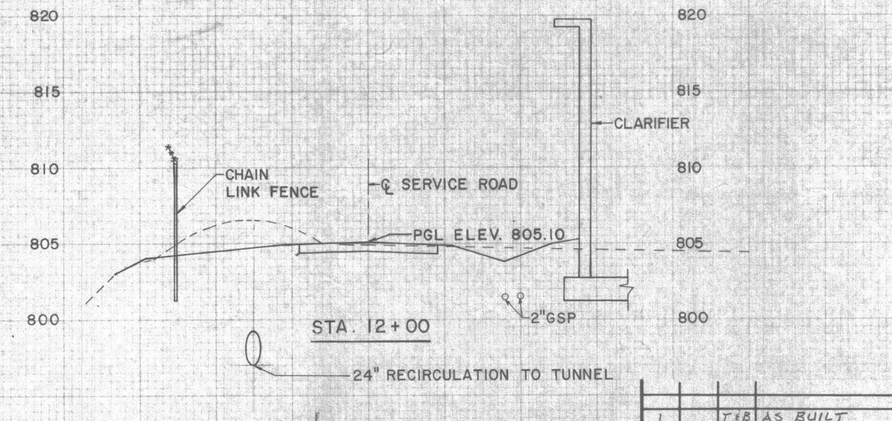
STA. 10+50



STA. 11+00



STA. 11+50



STA. 12+00

SCALE: HORIZ. – 1" = 10'-0"
VERT. – 1" = 5'-0"

1"

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CROSS SECTIONS I

JORDAN, JONES AND GOULDING – DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN K.L.W. APPROVED Delon Hampton
DRWN J.B.
CHKD R.R. SCALE AS NOTED DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 DISTRICT 15 DEKALB COUNTY

APPROVED

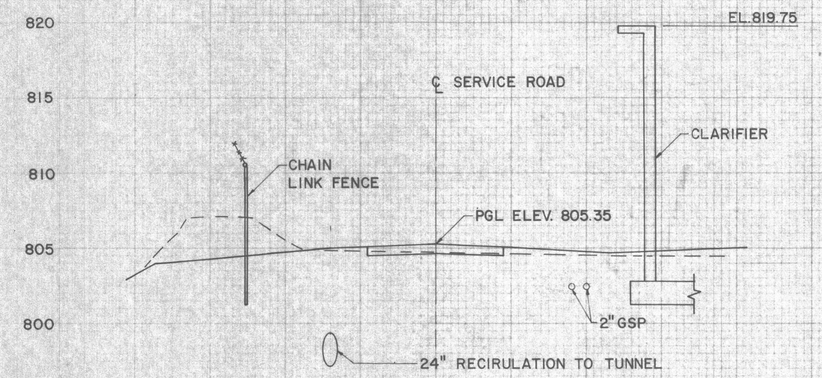
DRAWING NO. 3-C-21

SHEET NUMBER 23 OF 192

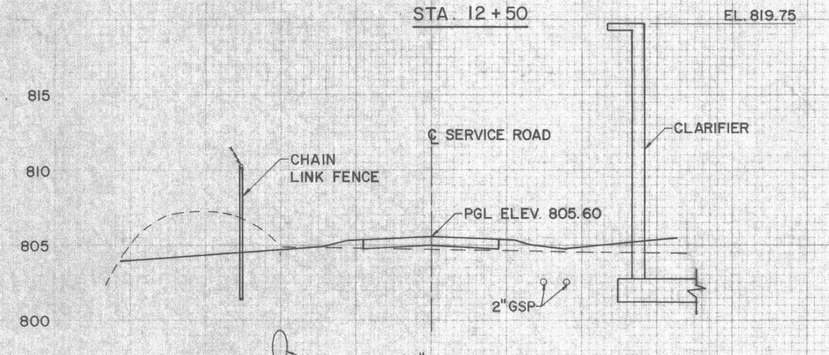
DELON HAMPTON No. 9155 PROFESSIONAL Expires ENGINEER

POLYTRACE 033

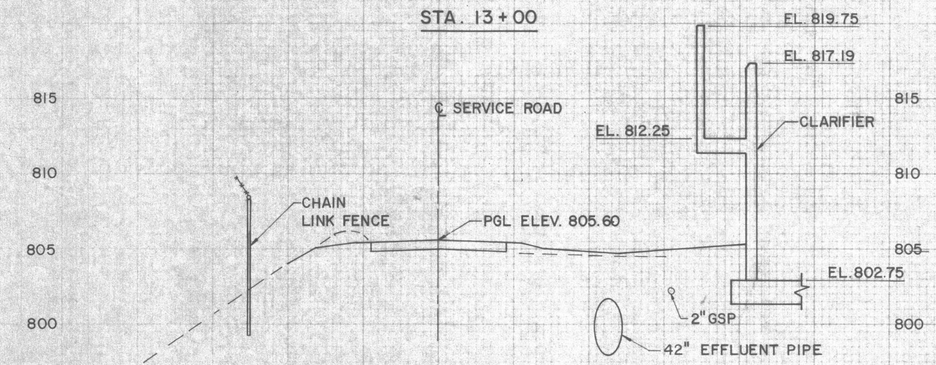
AF 14446



STA. 12+50

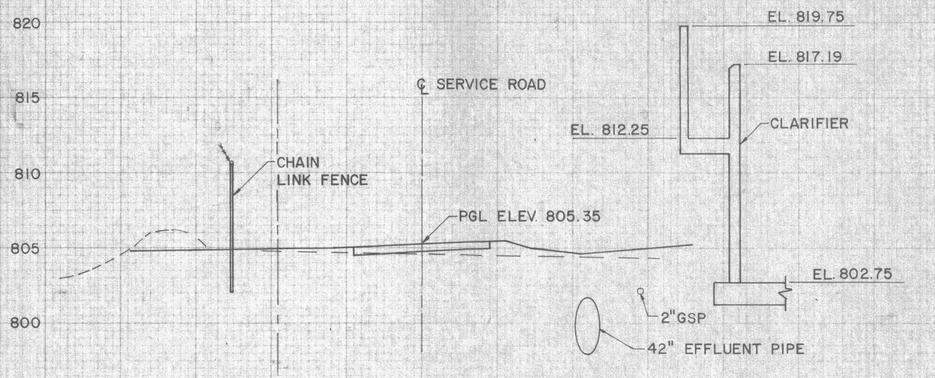


STA. 13+00

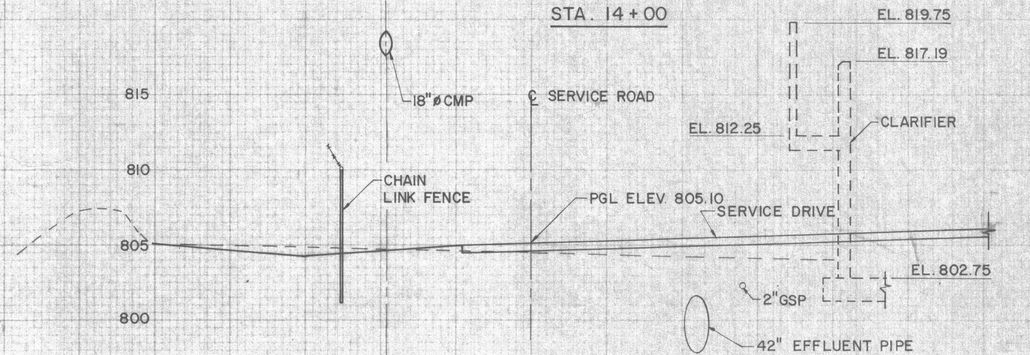


STA. 13+50

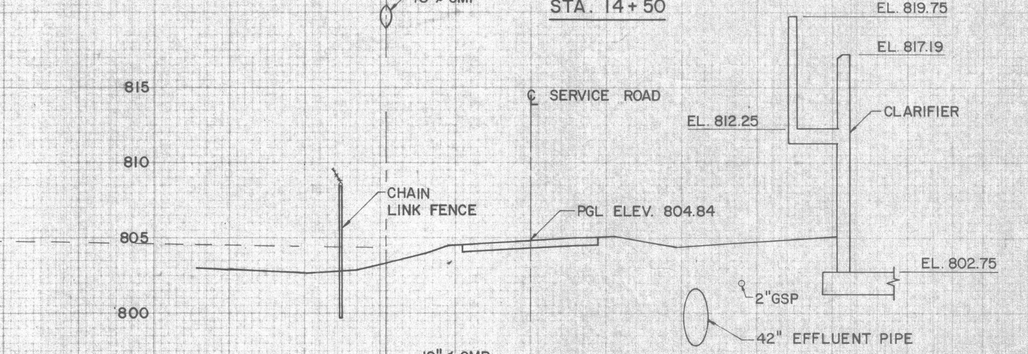
SCALE: VERT. – 1"=5'-0"
HORIZ.– 1"=10'-0"



STA. 14+00



STA. 14+50



STA. 15+00.70

NO.	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

CROSS SECTIONS II

JORDAN, JONES AND GOULDING – DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN K.L.W. APPROVED Delon Hampton
DRWN J.B.
CHKD R.R. SCALE AS NOTED DATE FEB., 1981

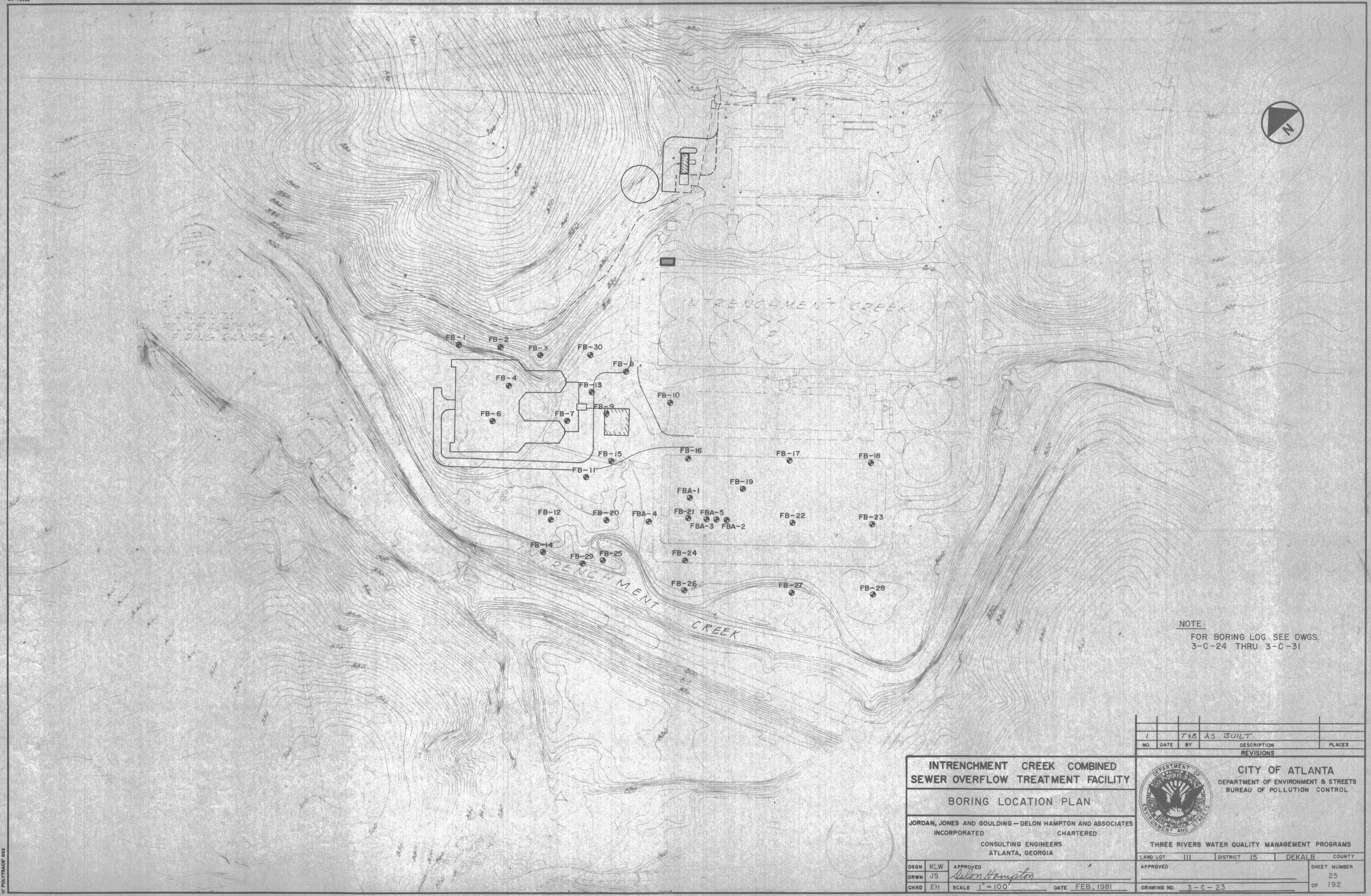
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 DISTRICT 15 DEKALB COUNTY
APPROVED
SHEET NUMBER 24 OF 192
DRAWING NO. 3-C-22

1 POLYTRACE 933

AF 14446



NOTE:
FOR BORING LOG, SEE DWGS.
3-C-24 THRU 3-C-31

NO.	DATE	BY	DESCRIPTION	PLACES
1		TSB	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

BORING LOCATION PLAN

JORDAN, JONES AND GOULDING – DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN KLW | APPROVED Delon Hampton
DRWN JS
CHKD EH | SCALE 1" = 100' | DATE FEB., 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 | DISTRICT 15 | DEKALB COUNTY

APPROVED

DRAWING NO. 3-C-23

SHEET NUMBER 25 OF 192

3 2 1

POLYTRACE 033

AF 14446

Law Engineering / Parametric, Inc.
Soil Test Boring Record

BORING NUMBER FB-1
DATE DRILLED 2/15/80
JOB NUMBER 8222 C
PAGE 1 OF 1

DEPTH (FT.)	DESCRIPTION
0	VERY STIFF GRAY BROWN MICACEOUS FINE SANDY SILT WITH ROCK FRAGMENTS
15.0	DENSE TO VERY DENSE TAN COARSE TO FINE SAND WITH ROCK FRAGMENTS
22.0	VERY HARD GRAY BROWN MICACEOUS FINE SANDY SILT
34.2	REFUSAL

ELEV. 822.5 — PENETRATION-BLOWS PER FOOT (5 10 20 30 40 50 60 80 100)
815 · 810 · 805 · 800 · 795 · 790 · 785
50/3" · 50/4"

REMARKS: HOLE CAVED PRIOR TO STABILIZED GROUNDWATER READING

Law Engineering / Parametric, Inc.
Soil Test Boring Record

BORING NUMBER FB-2
DATE DRILLED 2/19/80
JOB NUMBER 8222 C
PAGE 1 OF 1

DEPTH (FT.)	DESCRIPTION
0	STIFF TO VERY STIFF GRAY MICACEOUS FINE SANDY SILT
20.0	
21.0	VERY HARD GRAY MICACEOUS FINE SANDY SILT (PARTIALLY WEATHERED *)
	REFUSAL

ELEV. 828.4 — PENETRATION-BLOWS PER FOOT (5 10 20 30 40 50 60 80 100)
822 · 817 · 812 · 807 · 802
50/2"

REMARKS: * ROCK
HOLE CAVED PRIOR TO STABILIZED GROUNDWATER READING

Law Engineering / Parametric, Inc.
Soil Test Boring Record

BORING NUMBER FB-3
DATE DRILLED 2/18/80
JOB NUMBER 8222-C
PAGE 1 OF 1

DEPTH (FT.)	DESCRIPTION
0	GRAVEL FILL
2	FIRM GRAY BROWN MICACEOUS SILTY FINE SAND
8	VERY DENSE GRAY BROWN MICACEOUS SILTY FINE SAND
15	REFUSAL @ 15'

ELEV. 829.3 — PENETRATION-BLOWS PER FOOT (5 10 20 30 40 50 60 80 100)
822 · 817 · 812
10/4"

REMARKS: HOLE CAVED PRIOR TO STABILIZED GROUNDWATER READING

Law Engineering / Parametric, Inc.
Soil Test Boring Record

BORING NUMBER FB-4
DATE DRILLED 2/14/80
JOB NUMBER 8222 C
PAGE 1 OF 1

DEPTH (FT.)	DESCRIPTION
0	FIRM DARK BROWN FINE SANDY SILT - POSSIBLE FILL
8.0	STIFF BROWN TO GRAY MICACEOUS FINE SANDY SILT
20.3	REFUSAL

ELEV. 807.7 — PENETRATION-BLOWS PER FOOT (5 10 20 30 40 50 60 80 100)
799 · 794 · 789 · 784 · 779
50/3"

REMARKS: HOLE CAVED PRIOR TO STABILIZED GROUNDWATER READING

Law Engineering / Parametric, Inc.
Soil Test Boring Record

BORING NUMBER FB-6
DATE DRILLED 2/19/80
JOB NUMBER 8222 C
PAGE 1 OF 1

DEPTH (FT.)	DESCRIPTION
0	SLUDGE
7.0	FIRM GRAY BROWN MICACEOUS FINE SANDY SILT - ALLUVIUM
15.0	VERY HARD TAN MICACEOUS FINE SANDY SILT -PARTIALLY WEATHERED ROCK
23.5	REFUSAL

ELEV. 803.3 — PENETRATION-BLOWS PER FOOT (5 10 20 30 40 50 60 80 100)
797 · 792 · 787 · 782 · 777
10/3

REMARKS:

Law Engineering / Parametric, Inc.
Soil Test Boring Record

BORING NUMBER FB-7
DATE DRILLED 2/14/80
JOB NUMBER 8222 C
PAGE 1 OF 1

DEPTH (FT.)	DESCRIPTION
0	SOFT TO FIRM GRAY AND BROWN SLIGHTLY CLAYEY MICACEOUS COARSE TO FINE SANDY SILT - ALLUVIUM
15.0	VERY HARD DARK BROWN COARSE TO FINE SANDY SILT - PARTIALLY WEATHERED ROCK
23.0	REFUSAL

ELEV. 801.5 — PENETRATION-BLOWS PER FOOT (5 10 20 30 40 50 60 80 100)
796 · 791 · 786 · 781 · 776
50/1"

REMARKS:

NOTE:
FOR BORING LOCATIONS SEE DWG NO. 3-C-23.

NO	DATE	BY	DESCRIPTION	PLACES
1		T&B	AS BUILT	

REVISIONS

INTRENCHMENT CREEK COMBINED SEWER OVERFLOW TREATMENT FACILITY

BORING LOG I

JORDAN, JONES AND GOULDING — DELON HAMPTON AND ASSOCIATES
INCORPORATED CHARTERED
CONSULTING ENGINEERS
ATLANTA, GEORGIA

DSGN KLW · DRWN RF · CHKD EH · APPROVED Delon Hampton · SCALE NONE · DATE DEC 1981

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PROGRAMS

LAND LOT 111 · DISTRICT 15 · DEKALB COUNTY

APPROVED

DRAWING NO. 3-C-24

SHEET NUMBER 26 192

POLYTRACE 033

Exhibit C2

2001,2002 Custer Avenue CSO Storage and Dechlorination Facility

2008 Custer Avenue CSO Storage and Dechlorination Facility

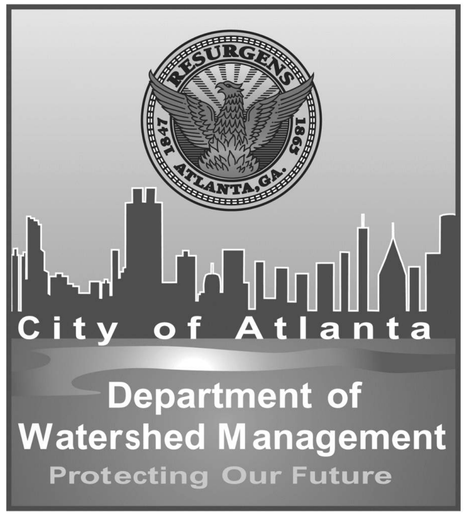
CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

INTRENCHMENT CREEK CSO TREATMENT PLANT

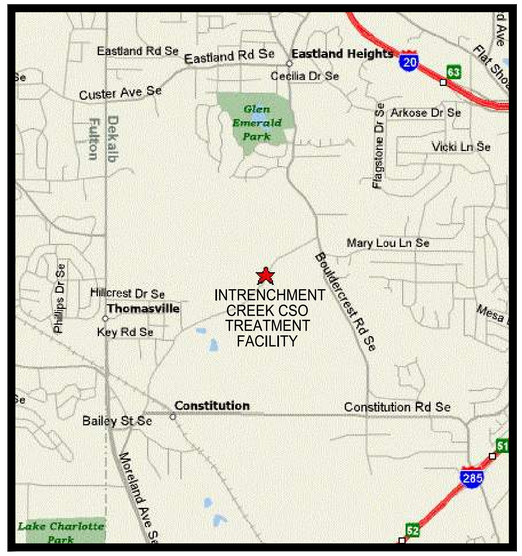
Volume 4 of 4

FC-3004007826

VICINITY MAP



AS-BUILTS
JANUARY 2008



LOCATION MAP

Metcalf & Eddy
a joint venture

SKING & Associates, Inc.
ENGINEERS • PLANNERS • MANAGERS

PLOT DATE: July 07, 2014 @ 03:02:49 pm
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GENERAL DRAWINGS

G-1	COVER SHEET
G-2	INDEX OF DRAWINGS
G-3	ABBREVIATIONS AND GENERAL SYMBOLS
G-4	PROCESS FLOW DIAGRAM
G-5	HYDRAULIC PROFILE

CIVIL

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C-2	CIVIL LEGEND
C-3	BORING LOCATION PLAN
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C-5	DEMOLITION PLAN 2
C-6	DEMOLITION PLAN 3
C-7	DEMOLITION PLAN 4
C-8	SITE LAYOUT, PAVING AND DIMENSION PLAN 1
C-9	SITE LAYOUT, PAVING AND DIMENSION PLAN 2
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C-40	CIVIL SECTIONS & DETAILS 1
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A-2	FILTER BUILDING-REFLECTED CEILING PLAN
A-3	FILTER BUILDING-ROOF PLAN
A-4	FILTER BUILDING-ELEVATIONS
A-5	FILTER BUILDING-SECTIONS 1
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A-7	FILTER BUILDING-WALL SECTION AND DETAILS
A-8	FILTER BUILDING-DETAILS
A-9	FILTER BUILDING-DETAILS AND SCHEDULES
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S-3	TUNNEL PUMPING STATION MODIFICATIONS - TOP PLAN
S-4	TUNNEL PUMPING STATION MODIFICATIONS - SECTIONS
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S-6	TUNNEL PUMPING STATION MODIFICATIONS - JIB CREANE PLAN & SECTIONS
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S-8	TUNNEL PUMPING STATION - ELECTRICAL BUILDING - PLANS & SECTIONS
S-9	NEW VALVE & METER VAULT - PLANS & SECTIONS
S-10	HEAD BOX - PLANS (VOID)
S-11	HEAD BOX - SECTIONS (VOID)
S-12	OVERHEAD CHANNEL - PLAN
S-13	OVERHEAD CHANNEL - ELEVATIONS
S-14	OVERHEAD CHANNEL - SECTIONS
S-15	OVERHEAD CHANNEL - SECTIONS
S-16	VORTEX SEPARATOR - PLANS
S-17	VORTEX SEPARATOR - PLANS
S-18	VORTEX SEPARATOR - SECTIONS
S-19	VORTEX SEPARATOR - SECTIONS
S-20	VORTEX SEPARATOR - SECTIONS
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S-24	FLOCCULATION BASIN MODIFICATIONS - PLAN
S-25	FLOCCULATION BASIN MODIFICATIONS - SECTIONS
S-26	FLOCCULATION BASIN MODIFICATIONS - SECTIONS & DETAILS
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S-34	FILTER BUILDING - MAIN LEVEL PLAN
S-35	FILTER BUILDING - PILING LAYOUT PLAN
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S-47	NEW ALUMINUM WALKWAY OVER PIPES AT EXISTING FLOCCULATORS - PLANS
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S-50	STANDARD DETAILS 2
S-51	STANDARD DETAILS 3
S-52	STANDARD DETAILS 4
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S-55	MANHOLE SECTION AND DETAIL

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M-1	MECHANICAL LEGEND AND NOTES
M-2	TUNNEL PUMPING STATION DEMOLITION BASE PLAN
M-3	TUNNEL PUMPING STATION DEMOLITION INTERMEDIATE PLAN
M-4	TUNNEL PUMPING STATION DEMOLITION GRADE PLAN
M-5	TUNNEL PUMPING STATION DEMOLITION SECTIONS
M-6	TUNNEL PUMPING STATION BASE PLAN
M-7	TUNNEL PUMPING STATION INTERMEDIATE PLAN
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M-9	TUNNEL PUMPING STATION SECTIONS
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M-14	VORTEX SEPARATOR PLANS
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M-16	RAPID MIX TANK MODIFICATIONS PLANS
M-17	RAPID MIX TANK MODIFICATIONS SECTIONS
M-18	FLOCCULATION BASIN DEMOLITION PLAN
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M-20	GRIT SETTLING BASINS GENERAL ARRANGEMENT PLAN
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M-22	GRIT SETTLING BASINS SECTIONS
M-23	GRIT SETTLING BASINS SECTIONS & DETAILS
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M-25	GRIT PUMP STATION PLANS & SECTIONS
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M-29	SLUDGE PUMP STATION MODIFICATION PLAN & SECTIONS
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M-31	FILTER BUILDING PARTIAL PLAN 1
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M-33	FILTER BUILDING SECTIONS 1
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M-37	CHEMICAL BUILDING FIRST FLOOR DEMOLITION PLAN
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M-40	NOT USED
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M-46	SODIUM BISULFITE SYSTEM ISOMETRIC
M-47	TANK SCHEDULES SCHEDULES AND DETAILS
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M-49	MISCELLANEOUS DETAILS 2
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MECHANICAL - HVAC

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H-3	CHEMICAL FEED BUILDING MODIFICATIONS - FIRST FLOOR
H-4	FILTER BUILDING VENTILATION PLAN
H-5	FILTER BUILDING VENTILATION - ENLARGED PLAN
H-6	FILTER BUILDING ELEVATIONS/SECTIONS
H-7	SLUDGE PUMP ROOM VENTILATION PLAN
H-8	TUNNEL PUMPING STATION - ELECTRICAL BUILDING HVAC PLAN
H-9	MISCELLANEOUS DETAILS

PLUMBING

P-1	PLUMBING LEGEND, NOTES & DETAILS
P-2	FILTER BUILDING PLUMBING PLAN
P-3	FILTER BUILDING PLUMBING ENLARGED PLANS
P-4	FILTER BUILDING-RISER DIAGRAMS
P-5	CHEMICAL FEED BUILDING MODIFICATIONS - FIRST FLOOR
P-6	CHEMICAL FEED BUILDING MODIFICATIONS - SECOND FLOOR

INSTRUMENTATION

I-1	I&C LEGEND
I-2	TUNNEL PUMPING STATION P&ID
I-3	VORTEX SEPARATOR P&ID
I-4	GRIT SETTLING BASIN 1 P&ID
I-5	GRIT SETTLING BASIN 2 P&ID
I-6	SLUDGE PUMPING P&ID
I-7	FILTER SYSTEM P&ID
I-8	TYPICAL FILTER P&ID
I-9	WASTE WASHWATER PUMPING STATION P&ID
I-10	WASTE WASHWATER BLOWERS & P&ID
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E-4	ELECTRICAL SITE PLAN 2-TUNNEL PUMPING STATION & CHEMICAL BUILDING
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E-6	ELECTRICAL SITE PLAN 3-FILTER BUILDING
E-7	SINGLE LINE DIAGRAM 1-MAIN SINGLE LINE
E-8	SINGLE LINE DIAGRAM 2-TUNNEL PUMPING STATION ELECTRICAL BUILDING - NEW MCC-PS
E-8A	SINGLE LINE DIAGRAM 2-TUNNEL PUMPING STATION ELECTRICAL BUILDING - NEW MCC-PS
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E-13	TUNNEL PUMPING STATION ELECTRICAL BUILDINGS POWER & CONTROL PLAN
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E-15	VORTEX SEPARATOR & RAPID MIX POWER & CONTROL PLAN
E-16	GRIT SETTLING BASINS POWER & CONTROL PLAN
E-17	SLUDGE PUMPING STATION POWER AND CONTROL PLAN
E-18	DETRITUS TANK & GRIT PUMPING STATION - NORTH POWER & CONTROL PLAN
E-19	DETRITUS TANK & GRIT PUMPING STATION - SOUTH POWER & CONTROL PLAN
E-20	FILTER BUILDING POWER & CONTROL PLAN 1
E-21	FILTER BUILDING POWER & CONTROL PLAN 2
E-22	FILTER BUILDING ELECTRICAL ROOM POWER & CONTROL PLAN
E-23	CHEMICAL BUILDING - FIRST FLOOR POWER & CONTROL PLAN
E-24	CHEMICAL BUILDING ELECTRICAL ROOM POWER & CONTROL PLAN
E-25	WASTE WASHWATER & SANITARY PUMPING STATIONS POWER & CONTROL PLAN
E-26	TUNNEL PUMPING STATION ELECTRICAL BUILDING LIGHTING & GROUNDING PLAN
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E-29	FILTER BUILDING LIGHTING SECTION
E-30	TUNNEL PUMPING STATION ELECTRICAL BUILDING - FIRE ALARM AND COMMUNICATION PLAN
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E-37	ELEMENTARY CONTROL DIAGRAMS 3
E-37A	ELEMENTARY CONTROL DIAGRAMS 3
E-38	ELEMENTARY CONTROL DIAGRAMS 4
E-39	ELEMENTARY CONTROL DIAGRAMS 5
E-40	ELEMENTARY CONTROL DIAGRAMS 6 - HVAC EQUIPMENT
E-41	ELEMENTARY CONTROL DIAGRAMS 7 - HVAC EQUIPMENT
E-42	FIRE ALARM & COMMUNICATION RISER DIAGRAMS
E-43	VALVE TWO WIRE NETWORK-RISER DIAGRAMS
E-44	LIGHTING FIXTURE SCHEDULE
E-45	CABLE SCHEDULE 1
E-45A	CABLE SCHEDULE 1
E-45B	CABLE SCHEDULE 1
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E-46A	CABLE SCHEDULE 2
E-46B	CABLE SCHEDULE 2
E-47	CABLE SCHEDULE 3
E-47A	CABLE SCHEDULE 3
E-48	CABLE SCHEDULE 4
E-48A	CABLE SCHEDULE 4
E-48B	CABLE SCHEDULE 4
E-49	CABLE SCHEDULE 5
E-49A	CABLE SCHEDULE 5
E-49B	CABLE SCHEDULE 5
E-50	CABLE SCHEDULE 6
E-50A	CABLE SCHEDULE 6
E-50B	CABLE SCHEDULE 6

ELECTRICAL

E-51	CABLE SCHEDULE 7
E-51A	CABLE SCHEDULE 7
E-51B	CABLE SCHEDULE 7
E-52	CABLE SCHEDULE 8
E-52A	CABLE SCHEDULE 8
E-52B	CABLE SCHEDULE 8
E-53	CABLE SCHEDULE 9
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E-56	MISCELLANEOUS DETAILS 1
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E-58	CONTROL NETWORK PLAN
E-59	ADMINISTRATION BUILDING CONTROL ROOM

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

City of Atlanta
Department of Watershed Management
Protecting Our Future

Metcalf & Eddy

SKING & Associates, Inc. ENGINEERS • PLANNERS • MANAGERS

REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY	A BLANTON
DEPT. CHECK	F. O'HARA
PROJ. CHECK	N. COOPER

SCALE: NTS

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

INDEX OF DRAWINGS

GENERAL NOVEMBER 2004

JOB	036202040
FILE NO.	
CADD FILE	GTETP002-100per.dwg
SHEET	G-2

PLOT DATE: July 07, 2014 @ 03:04:32 pm

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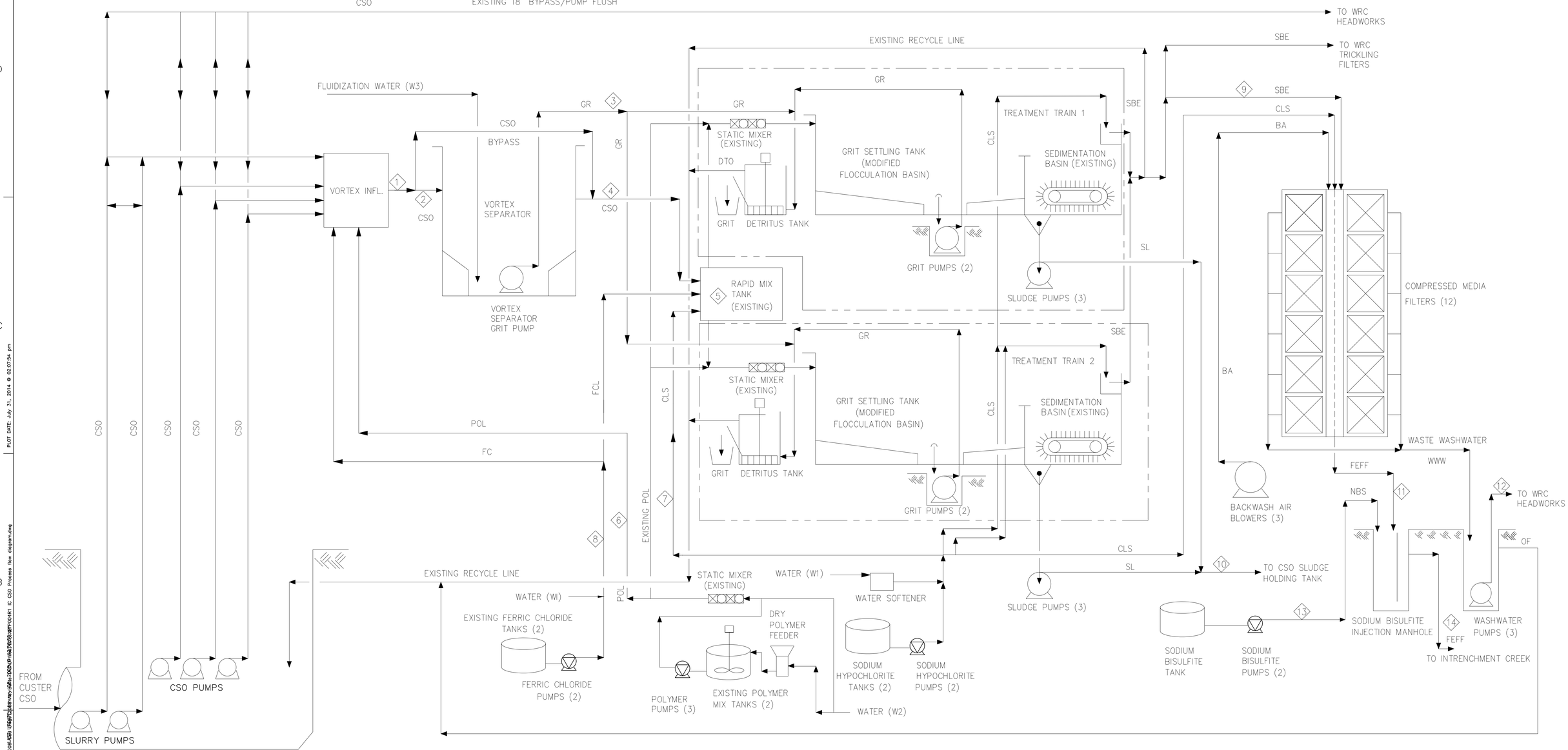

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

DRAWN BY	A. BLANTON
DEPT. CHECK	D. RUBIN
PROJ. CHECK	N. COOPER

SCALE: NOT TO SCALE

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

PROCESS FLOW DIAGRAM

GENERAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE GXETP004R1 IC CSO Proces
SHEET G-4

PLOT DATE: July 31, 2014 @ 02:07:54 pm
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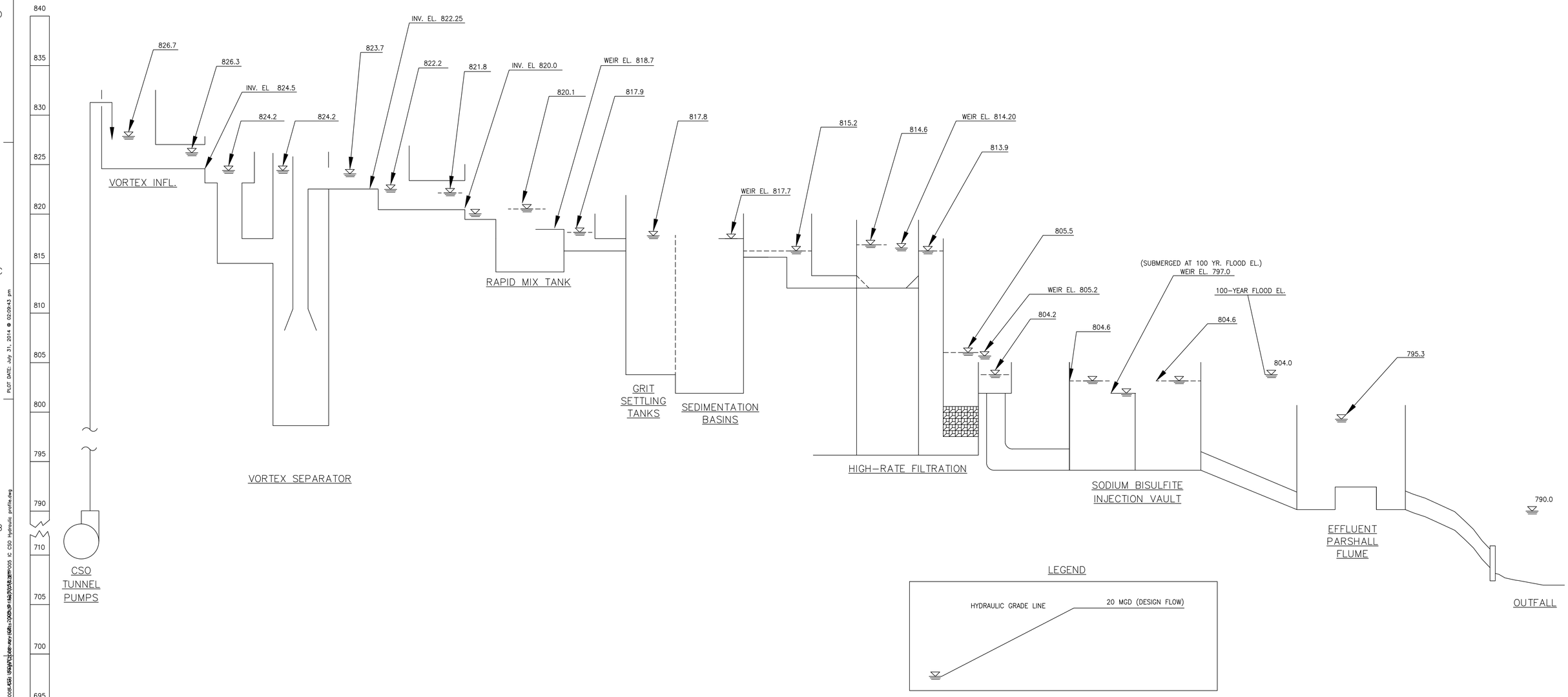

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

DRAWN BY: A. BLANTON

DEPT. CHECK: V. KUREK

PROJ. CHECK: N. COOPER

SCALE: NOT TO SCALE

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

HYDRAULIC PROFILE

GENERAL — NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE GZETP005 IC CSO Hydraulic

SHEET G-5

PATH/FILENAME: G:\Wem\QA8PA134 - CSO Group 1\3_DAT\Tr COA\08 EATP\Drawings\2008-ASBU WRAP\Cadd\GZETP005 IC CSO Hydraulic profile.dwg

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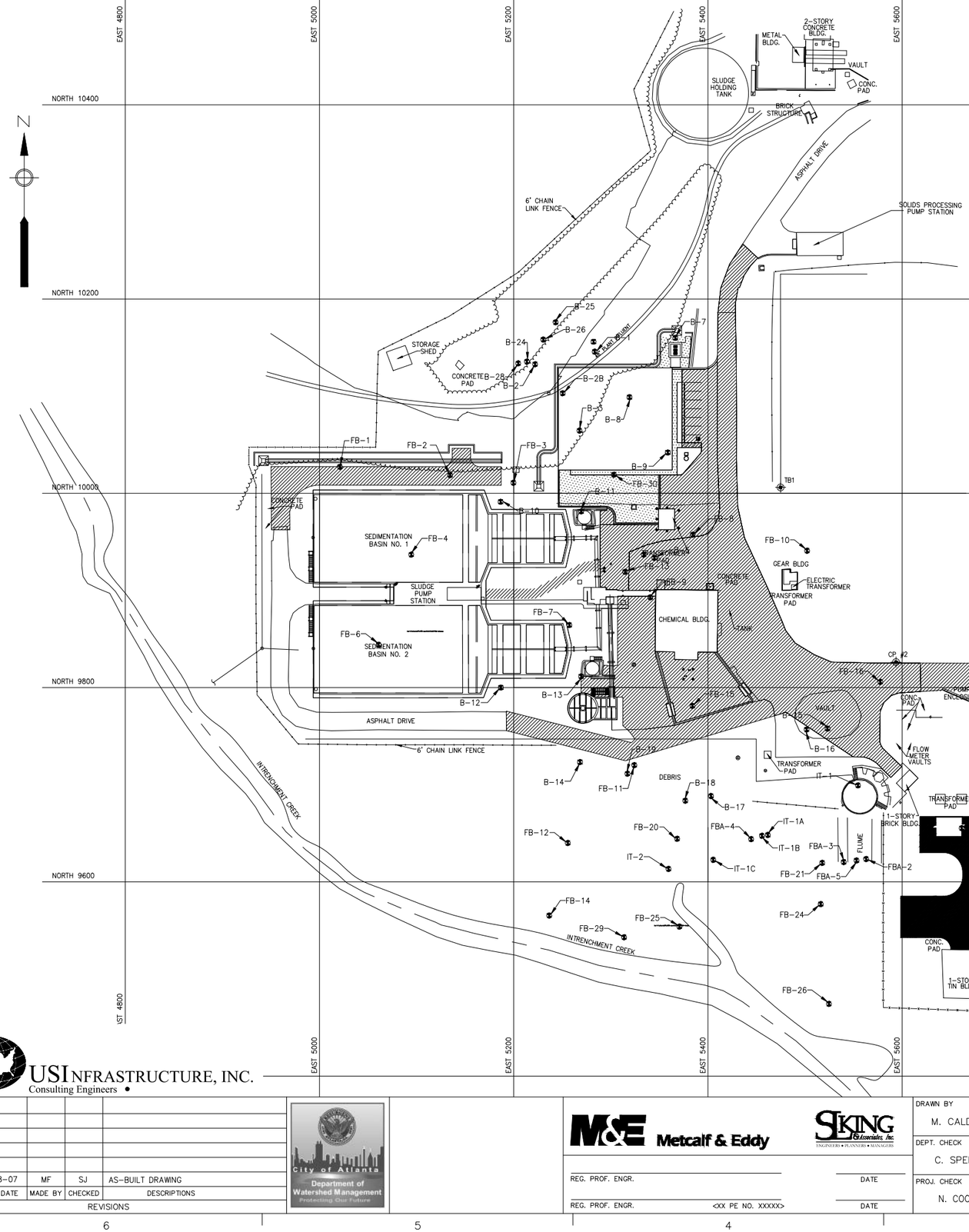

1980 BORINGS	NORTHING	EASTING
1. FB-1	10027	5021
2. FB-2	10019	5134
3. FB-3	10011	5200
4. FB-4	9937	5094
5. FB-6	9844	5061
6. FB-7	9864	5257
7. FB-8	9957	5384
8. FB-9	9893	5341
9. FB-10	9941	5502
10. FB-11	9720	5324
11. FB-12	9640	5256
12. FB-14	9565	5237
13. FB-15	9781	5385
14. FB-16	9806	5578
15. FB-17	9812	5787
16. FB-18	9822	5985
17. FB-19	9702	5706
18. FB-20	9644	5368
19. FB-21	9620	5518
20. FB-22	9646	5777
21. FB-23	9659	5989
22. FB-24	9577	5516
23. FB-25	9554	5371
24. FB-26	9474	5525
25. FB-27	9491	5872
26. FB-29	9543	5314
27. FB-30	10019	5303
28. FBA-2	9623	5563
29. FBA-3	9644	5540
30. FBA-4	9644	5444
31. FBA-5	9622	5553
32. IT-1	9699	5555
33. IT-1A	9648	5462
34. IT-1B	9647	5456
35. IT-1C	9623	5406
36. IT-2	9613	5360

2004 BORINGS	NORTHING	EASTING
1. B-1	10145	5283
2. B-2	10133	5222
3. B-3	10065	5269
4. B-7	10160	5366
5. B-8	10099	5319
6. B-9	10042	5359
7. B-10	9991	5187
8. B-11	9981	5269
9. B-12	9806	5187
10 B-13	9812	5269
11. B-14	9723	5268
12. B-15	9758	5523
13. B-16	9757	5502
14. B-17	9688	5403
15. B-18	9784	5377
16. B-19	9720	5316
17. B-24	10136	5214
18. B-25	10176	5243
19. B-26	10158	5377
20. B-27	9655	5316
21. B-28	10134	5205
22. B-2B	10103	5250

NOTE:
CONTRACTOR SHALL OBTAIN BORING LOG INFORMATION AND SOIL REPORTS FROM ENGINEER.

AS-BUILT

USI INFRASTRUCTURE, INC.
Consulting Engineers •

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1	8-07	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. <XX PE NO. XXXXX> DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: C. SPENCER
PROJ. CHECK: N. COOPER

SCALE: 60 0 60 120
Scale 1" = 60'
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

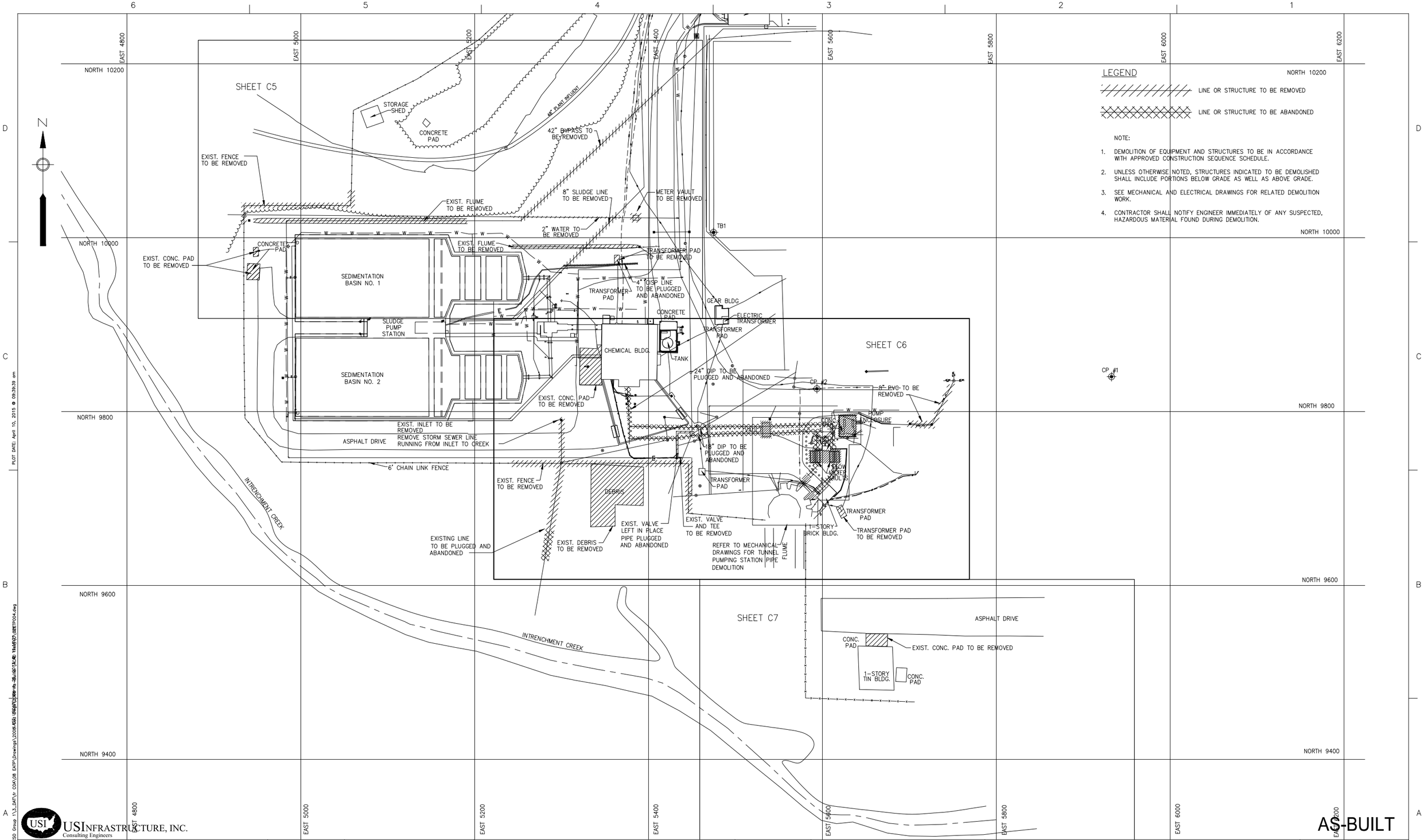
CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

BORING LOCATION PLAN

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE CZETP003.dwg
SHEET C-3

PLOT DATE: April 10, 2015 @ 09:58:21 am
PATH/FILENAME: G:\Wem\GA\SPA134 - CSO Group 1\3_DATA\Y- COA\08 EATP\Drawings\2008-ASBUILT\CZETP003.dwg



LEGEND

LINE OR STRUCTURE TO BE REMOVED

LINE OR STRUCTURE TO BE ABANDONED

NOTE:

1. DEMOLITION OF EQUIPMENT AND STRUCTURES TO BE IN ACCORDANCE WITH APPROVED CONSTRUCTION SEQUENCE SCHEDULE.
2. UNLESS OTHERWISE NOTED, STRUCTURES INDICATED TO BE DEMOLISHED SHALL INCLUDE PORTIONS BELOW GRADE AS WELL AS ABOVE GRADE.
3. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED DEMOLITION WORK.
4. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY SUSPECTED, HAZARDOUS MATERIAL FOUND DURING DEMOLITION.

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REG. PROF. ENGR. <XX PE NO. XXXXX> DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: C. SPENCER
PROJ. CHECK: N. COOPER

SCALE: 50 0 50 100
Scale 1" = 50'

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

DEMOLITION PLAN 1

CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE CZETP004.dwg
SHEET C-4

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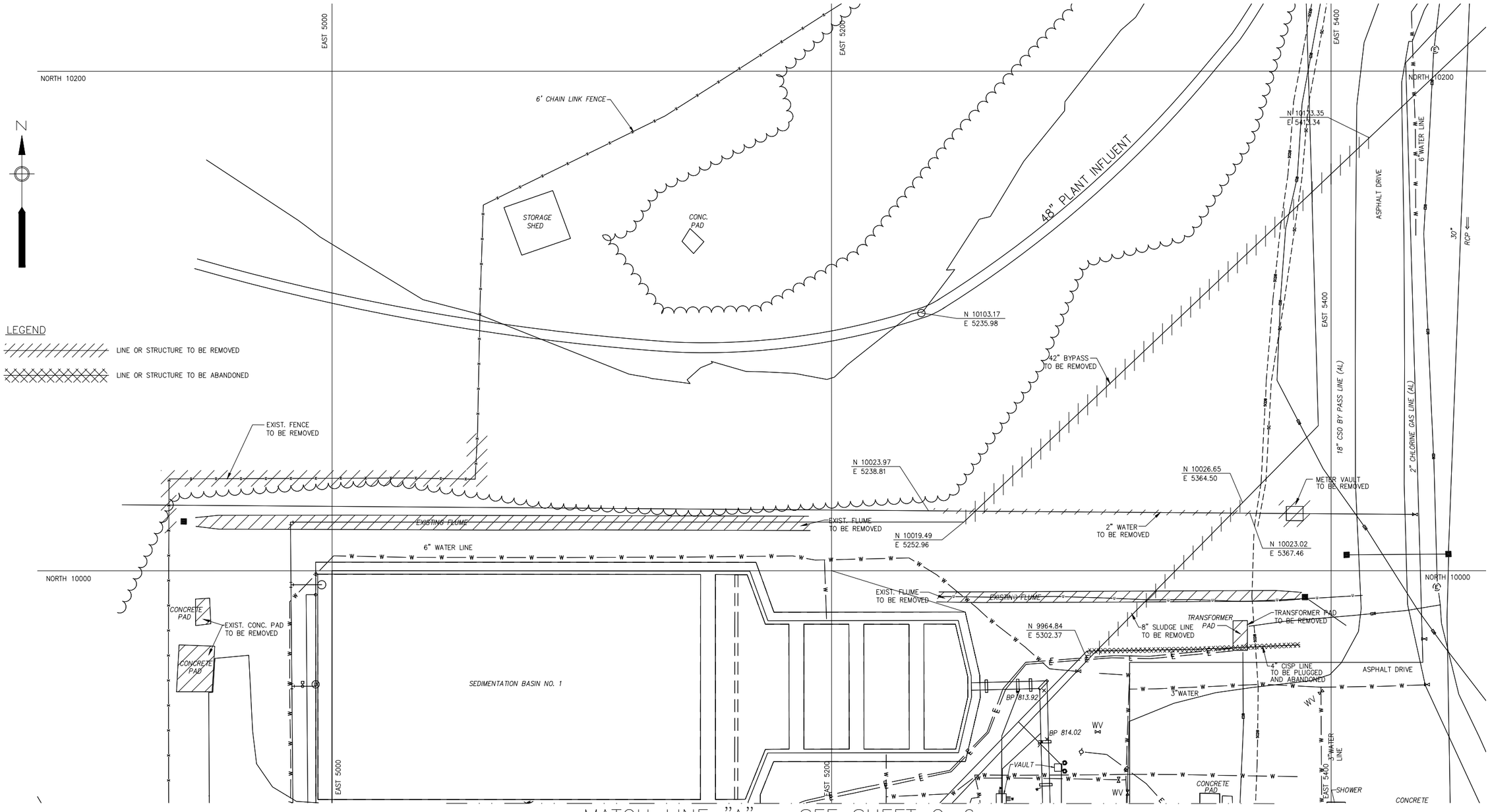

MATCH LINE "A" – SEE SHEET C-6

AS-BUILT

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1	8-07	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. <XX PE NO. XXXXX> DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: C. SPENCER
PROJ. CHECK: N. COOPER

SCALE: 20 0 20 40
Scale 1" = 20'
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

DEMOLITION PLAN 2

CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE CZETP005.dwg
SHEET C-5

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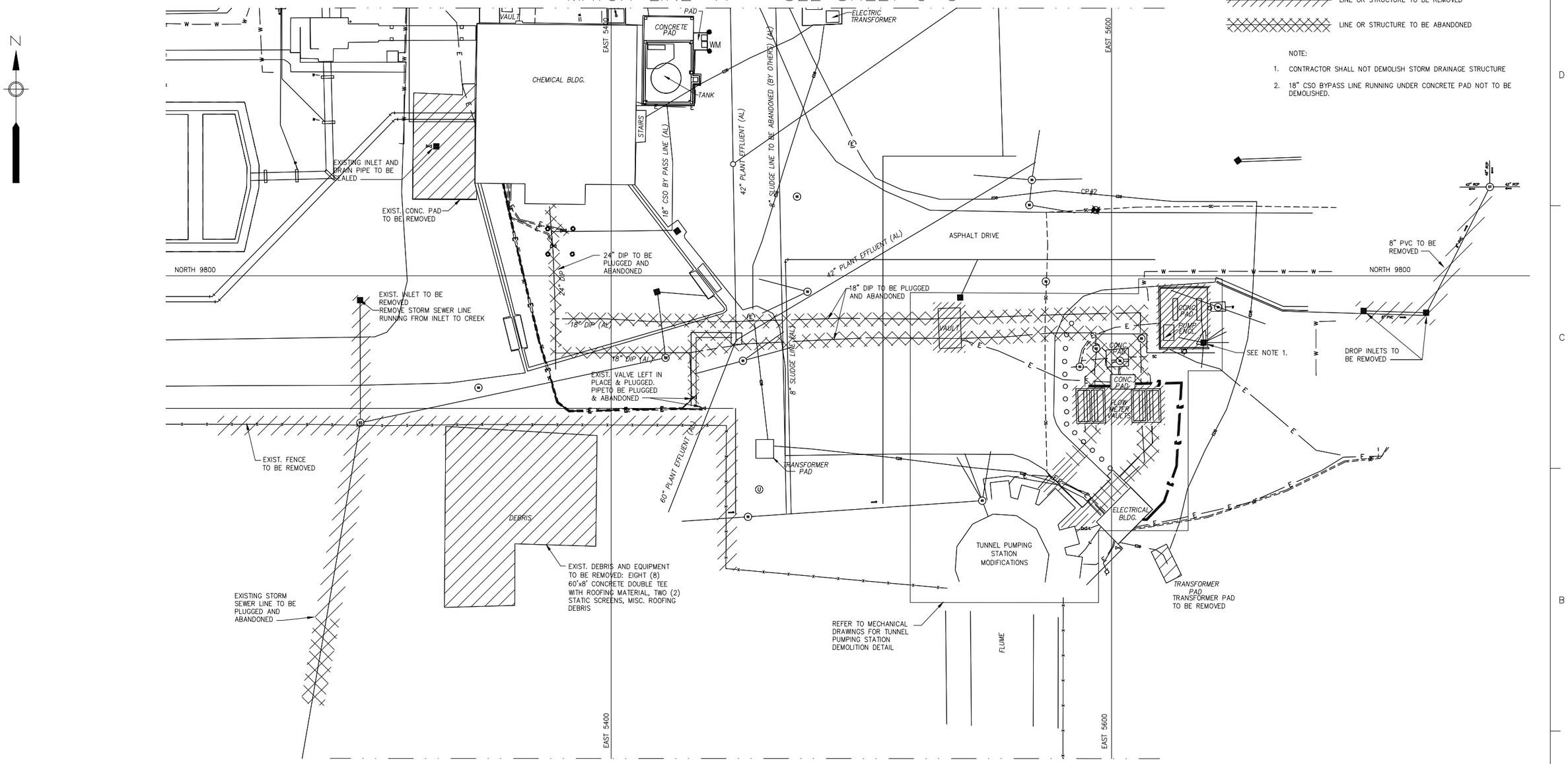
MATCH LINE "A" – SEE SHEET C-5



MATCH LINE "B" – SEE SHEET C-7

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DRAWN BY: M. CALDWELL
DEPT. CHECK: C. SPENCER
PROJ. CHECK: N. COOPER

SCALE: 20 0 20 40
Scale 1" = 20'
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

DEMOLITION PLAN 3

CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE CZETP006.dwg
SHEET C-6

PLOT DATE: April 10, 2015 @ 09:33:31 am
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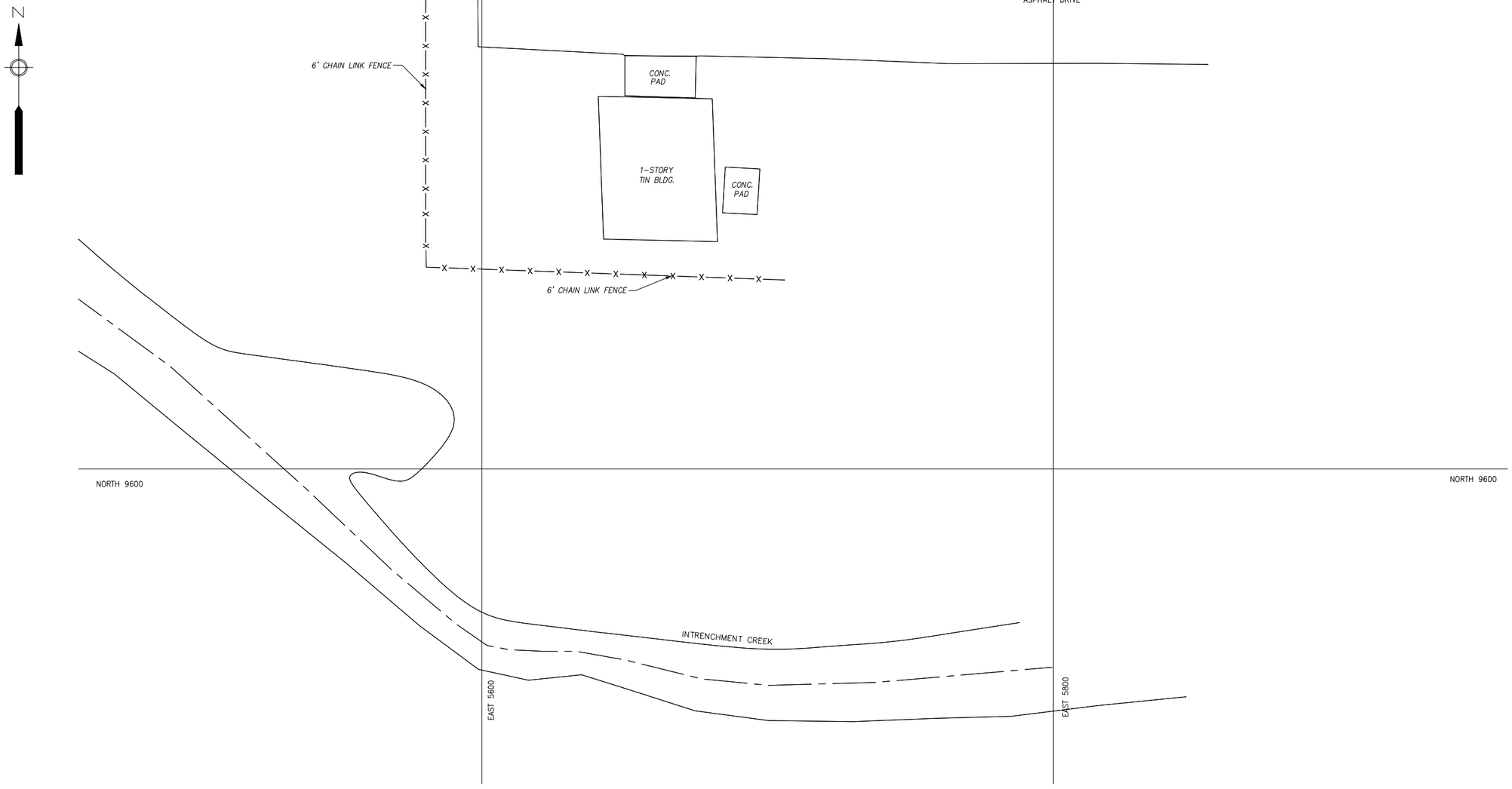
MATCH LINE "B" – SEE SHEET C-6

LEGEND

LINE OR STRUCTURE TO BE REMOVED

LINE OR STRUCTURE TO BE ABANDONED



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REG. PROF. ENGR. <XX PE NO. XXXXX> DATE _____

DRAWN BY: M. CALDWELL

DEPT. CHECK: C. SPENCER

PROJ. CHECK: N. COOPER

SCALE: 20 0 20 40

Scale 1" = 20'

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

DEMOLITION PLAN 4

CIVIL NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE czetp007.dwg

SHEET C-7

PLOT DATE: April 10, 2015 @ 09:34:58 am

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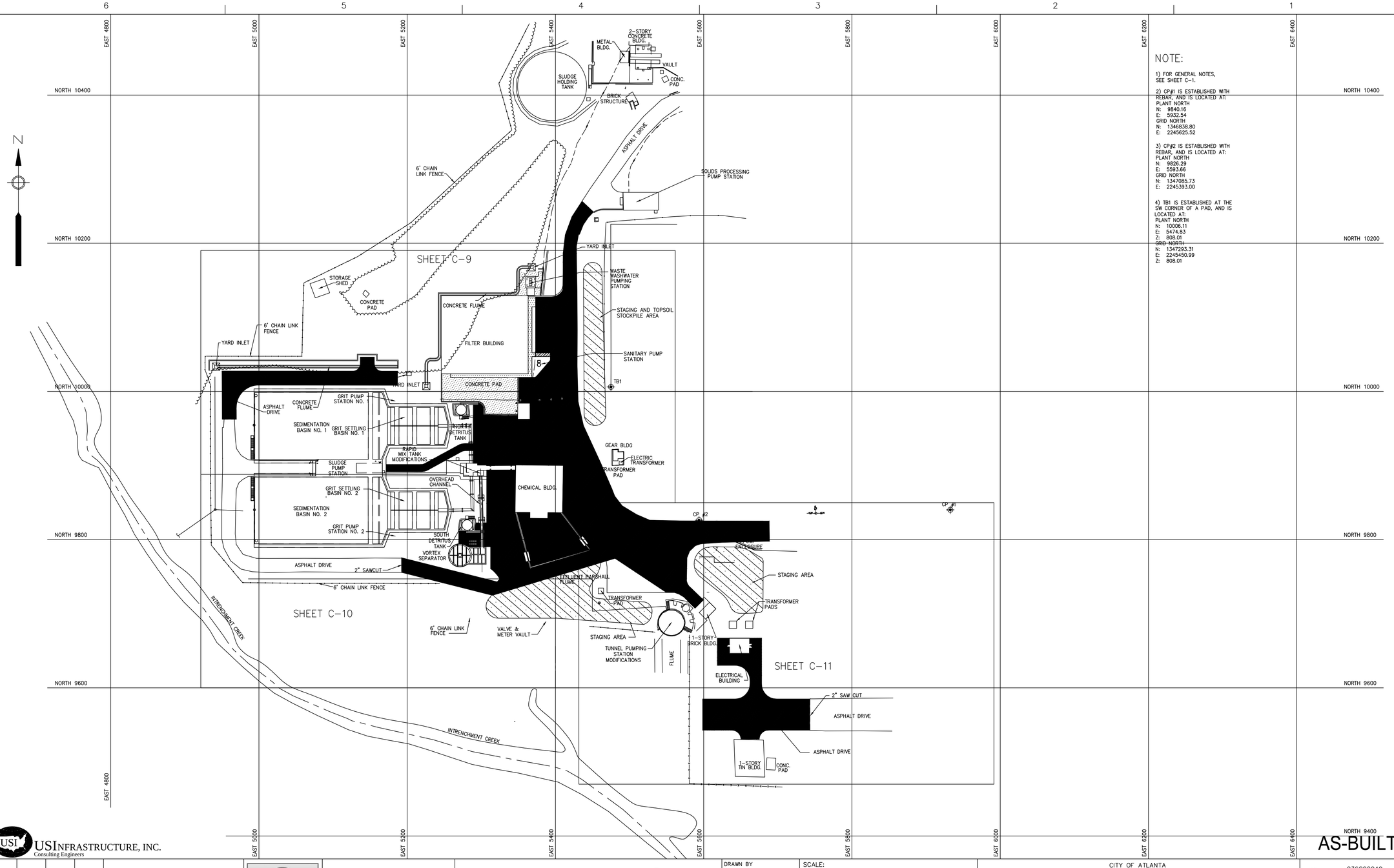

NOTE:

1) FOR GENERAL NOTES, SEE SHEET C-1.

2) CP#1 IS ESTABLISHED WITH REBAR, AND IS LOCATED AT:
PLANT NORTH
N: 9840.16
E: 5932.54
GRID NORTH
N: 1346838.80
E: 2245625.52

3) CP#2 IS ESTABLISHED WITH REBAR, AND IS LOCATED AT:
PLANT NORTH
N: 9826.29
E: 5593.66
GRID NORTH
N: 1347085.73
E: 2245393.00

4) TB1 IS ESTABLISHED AT THE SW CORNER OF A PAD, AND IS LOCATED AT:
PLANT NORTH
N: 10006.11
E: 5474.83
Z: 808.01
GRID NORTH
N: 1347293.31
E: 2245450.99
Z: 808.01

PLOT DATE: July 30, 2014 @ 06:13:50 pm

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DRAWN BY: M. CALDWELL
DEPT. CHECK: C. SPENCER
PROJ. CHECK: N. COOPER

SCALE:
60 0 60 120
Scale 1" = 60'
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

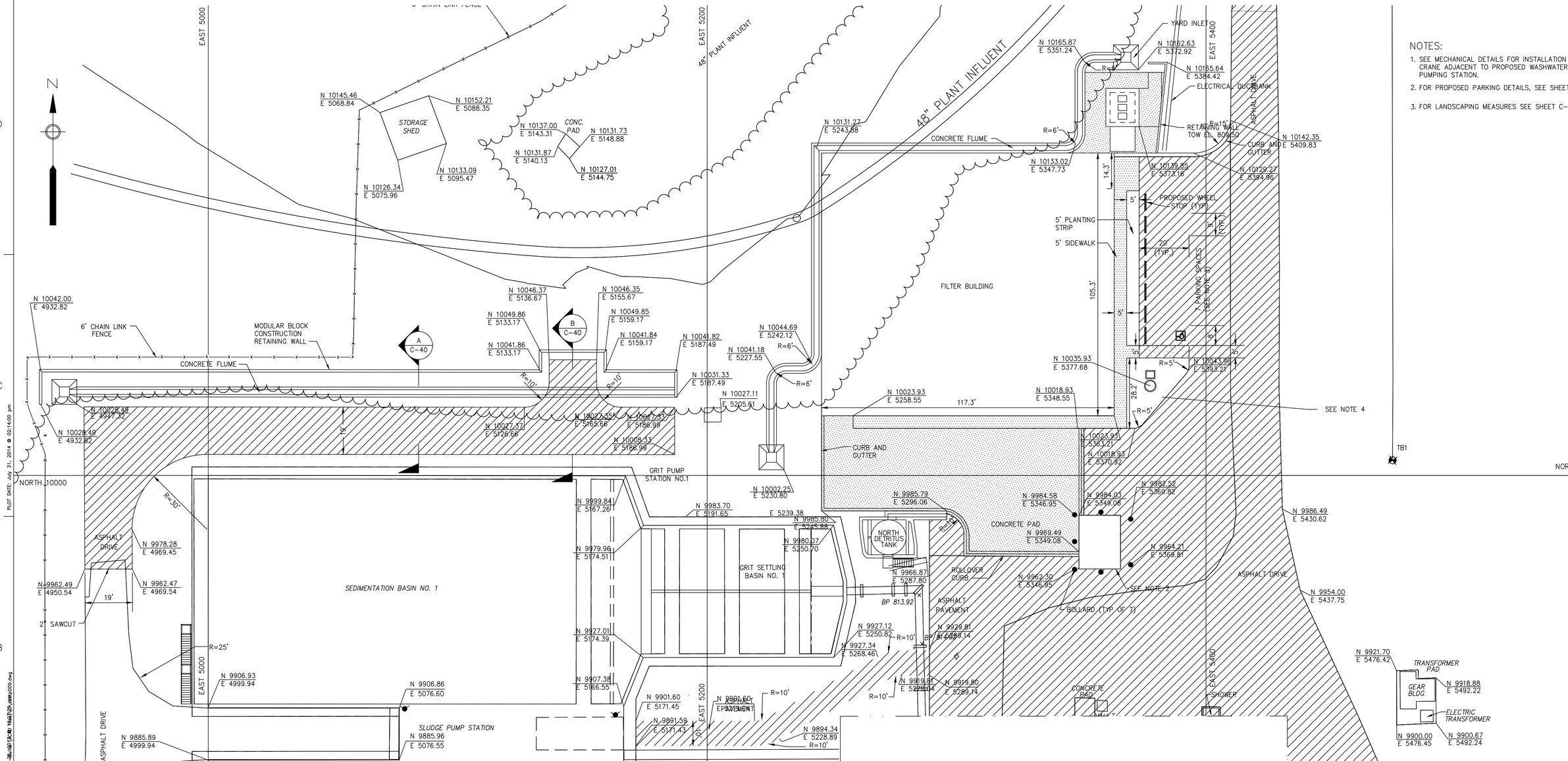
CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

SITE LAYOUT, PAVING AND DIMENSION PLAN 1

CIVIL NOVEMBER 2004

AS-BUILT

JOB 036202040
FILE NO.
CADD FILE czetp008.dwg
SHEET C-8



NOTES:

1. SEE MECHANICAL DETAILS FOR INSTALLATION OF JIB CRANE ADJACENT TO PROPOSED WASHWATER PUMPING STATION.
2. FOR PROPOSED PARKING DETAILS, SEE SHEET C-40.
3. FOR LANDSCAPING MEASURES SEE SHEET C-18

MATCH LINE "B" – SEE SHEET C-10

AS-BUILT

USI INFRASTRUCTURE, INC.
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NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	8-07	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. <XX PE NO. XXXXX> DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: C. SPENCER
PROJ. CHECK: N. COOPER

SCALE: 20 0 20 40
Scale 1" = 20'

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

SITE LAYOUT, PAVING AND DIMENSION PLAN 2

CIVIL

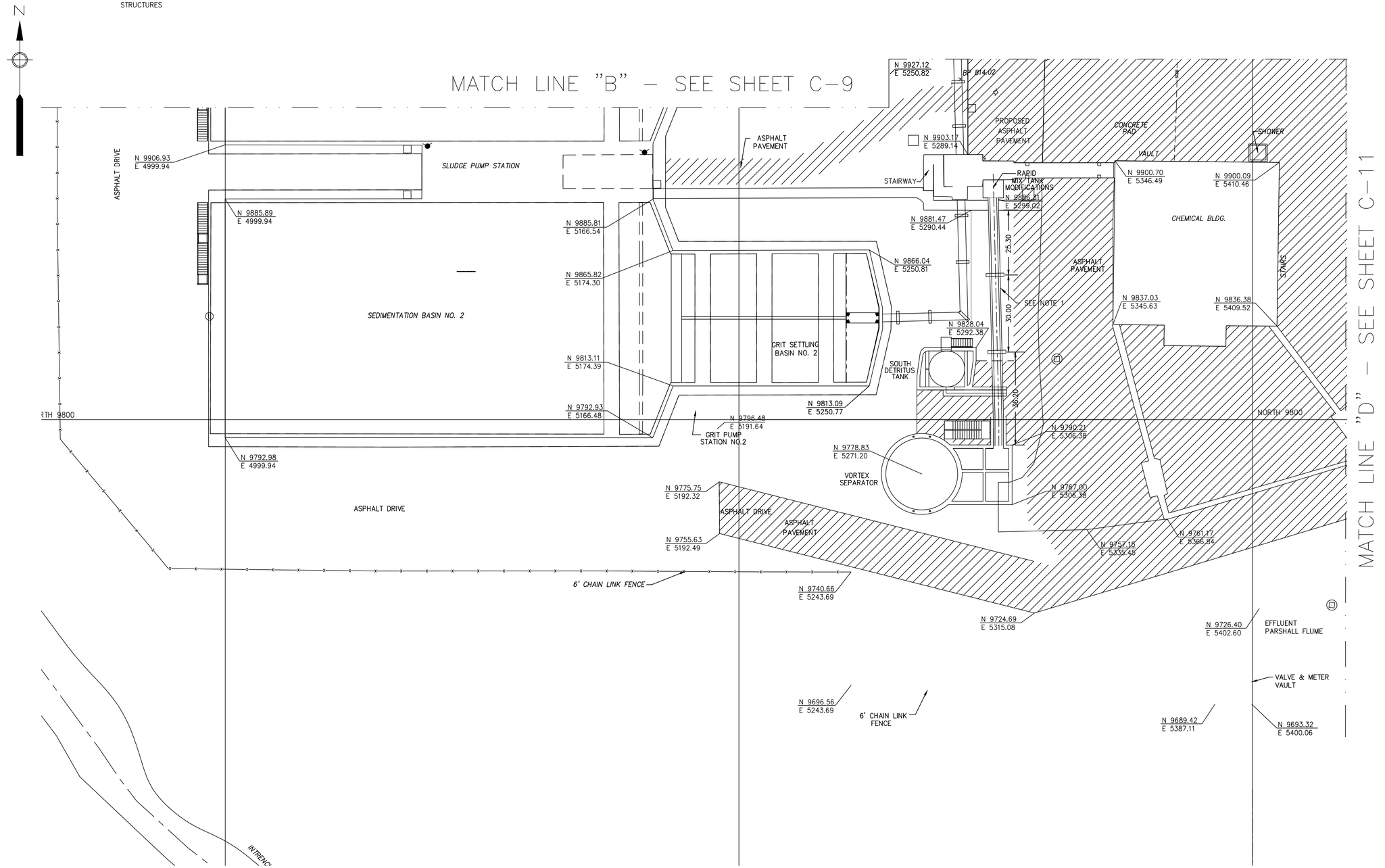
NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE czetp009.dwg
SHEET C-9

PLOT DATE: July 31, 2014 @ 02:14:00 pm
PATH/FILENAME: G:\Wwm\GASPA134 - CSO Group 1\3_DAT\Pr COA\08 EATP\Drawings\czetp009.dwg

NOTES:

1. SEE STRUCTURAL DRAWINGS FOR INFORMATION ON ELEVATED CHANNELS AND SUPPORTS.
2. CONCRETE AND ASPHALT PAVEMENT EXTENDS UNDERNEATH OVERHEAD STRUCTURES



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AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	8-07	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. <XX PE NO. XXXXX> DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: C. SPENCER
PROJ. CHECK: N. COOPER

SCALE:
20 0 20 40
Scale 1" = 20'
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

SITE LAYOUT, PAVING AND DIMENSION PLAN 3

CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE czetp010.dwg
SHEET C–10

PLOT DATE: July 31, 2014 @ 02:17:39 pm
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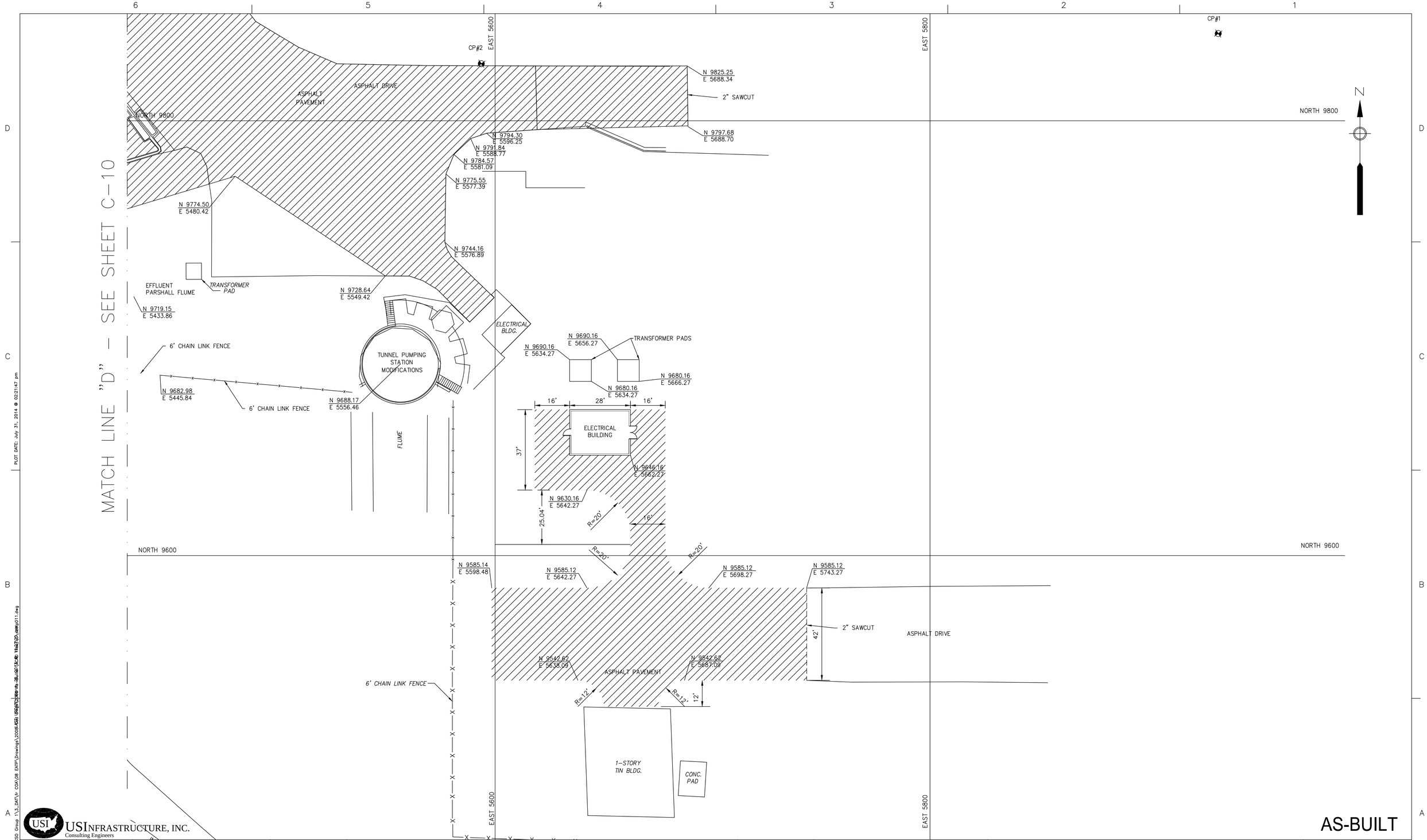

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1	8-07	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. <XX PE NO. XXXXX> DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: C. SPENCER
PROJ. CHECK: N. COOPER

SCALE: 20 0 20 40
Scale 1" = 20'
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

SITE LAYOUT,
PAVING AND DIMENSION PLAN 4

CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE czetp011.dwg
SHEET C-11

PLOT DATE: July 31, 2014 @ 02:21:47 pm
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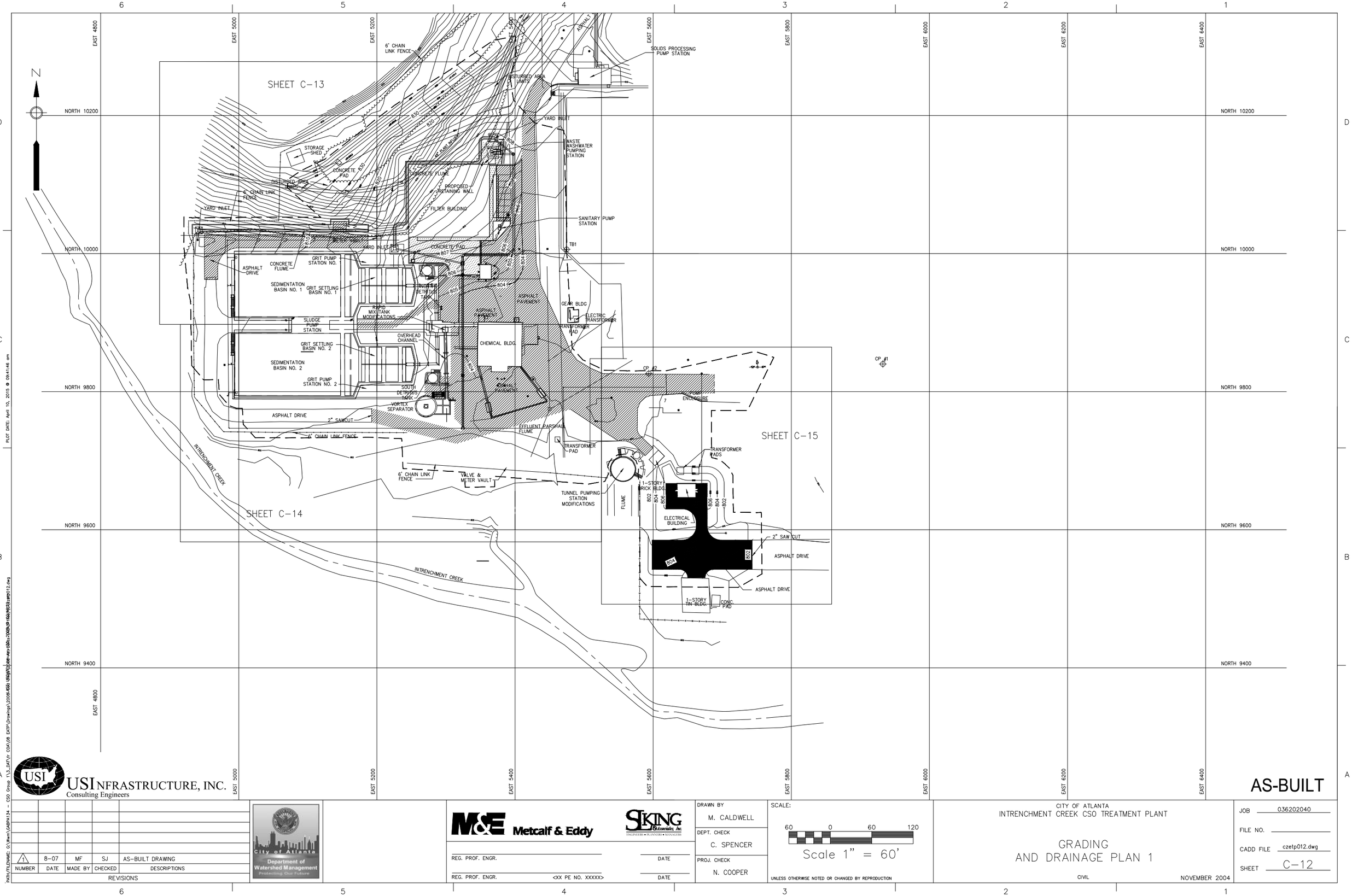

USI INFRASTRUCTURE, INC.
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AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
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REG. PROF. ENGR. <XX PE NO. XXXXX> DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: C. SPENCER
PROJ. CHECK: N. COOPER

SCALE: 60 0 60 120
Scale 1" = 60'

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

GRADING
AND DRAINAGE PLAN 1

CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE czetp012.dwg
SHEET C-12

PLOT DATE: April 10, 2015 @ 09:41:46 am
PATH/FILENAME: G:\Wwm\DABPA134 - CSO Group 1\3_DATV\ CDA\08 EATP\Drawings\2008 ASBI UPDATE\czetp012.dwg

NOTES:

1. EXISTING YARD INLET STRUCTURE TO BE HEAVILY CLEANED. CONTRACTOR TO RUN 12" RCP AT MINIMUM 1% SLOPE TO TIE INTO EXISTING YARD INLET STRUCTURE.
2. SEE CONCRETE PAD DETAIL, SHEET C-40 AND BLOWUP SHEET C-16.
3. ROLLOVER CURB TO BE RAISED 6 INCHES ABOVE PROPOSED GRADE. SEE DETAIL SHEET C-42.
4. 2"/sec MAXIMUM VIBRATION FOR 48" PLANT INFLUENT.
5. SEE BLOWUP SHEET C-16.

EAST 5000 | EAST 5200 | EAST 5400

NORTH 10200

N

6' CHAIN LINK FENCE

STORAGE SHED

CONC. PAD

xTP:835.0

xTP:834.0

DISTURBED AREA LIMITS

48" PLANT INFLUENT

SOLIDS PROCESSING PUMP STATION

2" SAWCUT

YARD INLET

YI-1 C-29

SEE NOTE 5

MH

MH-4 C-29

ASPHALT PAVE

FL 808.00

FG 807.75

WASTE WASHWATER PUMPING STATION

CONCRETE PAD

FL 809.00

CONC FLUME @ 0.98%

CONC FLUME @ 7.16%

TSW 807.95

TP 807.50

CONCRETE SIDEWALK

FILTER BUILDING F.F.E. = 808.00

MH-6 C-30

TOP OF WALL ELEV. = 825.00

TOP OF WALL ELEV. = 822.30

TOP OF WALL ELEV. = 821.00

TOP OF WALL ELEV. = 818.30

TOP OF WALL ELEV. = 815.00

FG 813.11

TP813.76

TP812.33

TP813.19

FG 813.41

YI-2 C-30

DI-1 C-30

TP 807.25

TSW 807.75

CURB AND GUTTER

CONCRETE CONTAINMENT AREA

ROLLOVER CURB

12" RCP @ 1.00%

YARD INLET TOP = 807.50 FL = 802.67

TP 806.52

TP 806.82

CONCRETE PAD

NORTH DETRITUS TANK

SEE NOTE 2

EXISTING INLET RAISE TOP ELEV TO 803.95

EXISTING INLET RAISE TOP ELEV TO 804.96

ASPHALT DRIVE

TB1

DISTURBED AREA LIMITS 6.82 ACRES

YARD INLET TOP = 803.00 FL = 797.42

6' CHAIN LINK FENCE

ELEV. = 808.00 TOP OF WALL

FG 802.53

ELEV. = 805.00 TOP OF WALL FG 804.00

SEE NOTE 1

EXISTING INLET TOP = ±802.70 INV. OUT =796.80

12" RCP @ MIN. SLOPE OF 1.00%

TP 811.56

TP 812.77

TP813.19

GRIT PUMP STATION NO.1

NORTH 10000

ASPHALT PAVEMENT

2" SAWCUT

SEDIMENTATION BASIN NO. 1

EAST 5000

GRIT SETTLING BASIN NO. 1

EAST 5200

ASPHALT PAVEMENT

SLUDGE PUMP STATION

BP 813.92

BP 814.02

BOLLARD (TYP OF 7)

CONCRETE PAD

VAULT

SHOWER

EAST 5400

MATCH LINE "A" – SEE SHEET C-14

AS-BUILT

USI INFRASTRUCTURE, INC.
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REG. PROF. ENGR. <XX PE NO. XXXXX> DATE _____

DRAWN BY	M. CALDWELL
DEPT. CHECK	C. SPENCER
PROJ. CHECK	N. COOPER

SCALE: 20 0 20 40

Scale 1" = 20'

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

GRADING AND DRAINAGE PLAN 2

CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE czetp013.dwg
SHEET C-13

PLOT DATE: April 10, 2015 @ 09:42:46 am
PATH/FILENAME: G:\Wwm\GA&PA134 - CSO Group 1\3_DAT\Yr COA\08 EATP\Drawings\2008ASBs (GRADING)\czetp013.dwg

MATCH LINE "A" – SEE SHEET C–13

MATCH LINE "B" – SEE SHEET C–15

N

ASPHALT

EAST 5000

EAST 5200

EAST 5400

SEDIMENTATION BASIN NO. 2

GRIT SETTLING BASIN NO. 2

SOUTH DETRITUS TANK

RAPID MIX TANK MODIFICATIONS

CHEMICAL BLDG.

OVERFLOW CHANNEL

ASPHALT PAVEMENT

STAIRS

MANHOLE TO BE EQUIPPED WITH GRATED COVER. TOP: 803.6

804

802

NORTH 9800

GRIT PUMP STATION NO.2

TR803.6

VORTEX SEPARATOR

ASPHALT DRIVE

2" SAWCUT

ASPHALT DRIVE

ASPHALT PAVEMENT

ASPHALT PAVEMENT

NORTH 9800

6' CHAIN LINK FENCE

DISTURBED AREA LIMITS

800

802

EFFLUENT PARSHALL FLUME

TRANSFORMER PAD

VALVE & METER VAULT

6' CHAIN LINK FENCE

6' CHAIN LINK FENCE

6' CHAIN LINK FENCE

INTRENCHMENT CREEK

800

NORTH 9600

EAST 5000

EAST 5200

EAST 5400

NORTH 9600

MATCH LINE

PLOT DATE: April 10, 2015 @ 09:57:03 am

PATH/FILENAME: G:\Wwm\GABP\134 - CSO Group 1\3_DAT\Fr CGA\08 EATP\Drawings\2008-456 (Grading and Drainage Plan 3).dwg

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REG. PROF. ENGR. <XX PE NO. XXXXX> DATE _____

DRAWN BY: M. CALDWELL

DEPT. CHECK: C. SPENCER

PROJ. CHECK: N. COOPER

SCALE: 20 0 20 40

Scale 1" = 20'

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

GRADING AND DRAINAGE PLAN 3

CIVIL

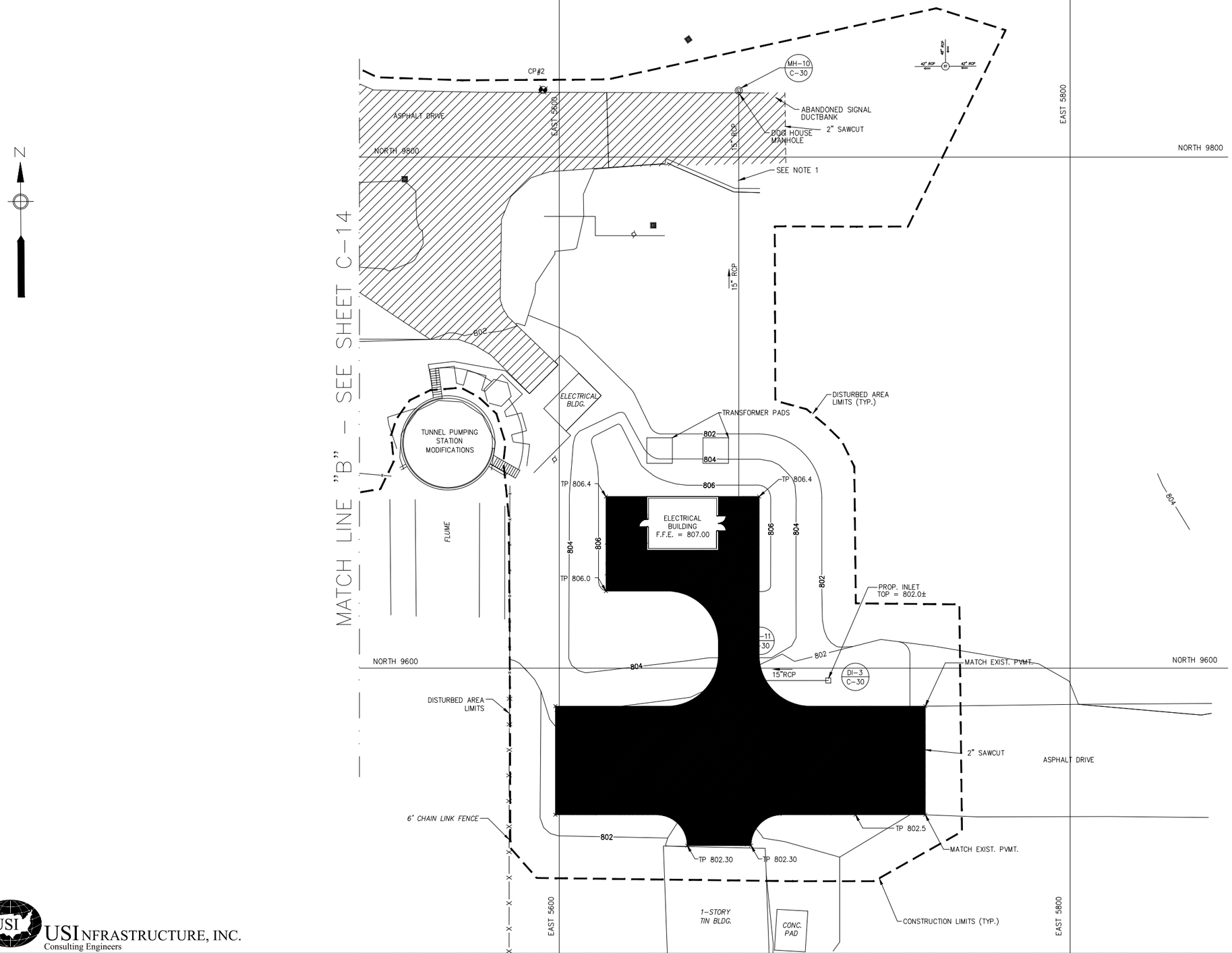
NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE czetp014.dwg

SHEET C–14



NOTES:

1. FINAL ALIGNMENT FOR 15" RCP TO BE FIELD VERIFIED.
2. REMOVE EXISTING ABANDONED SIGNAL DUCTBANK AS REQUIRED.

AS-BUILT

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REG. PROF. ENGR. <XX PE NO. XXXXX> DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: C. SPENCER
PROJ. CHECK: N. COOPER

SCALE: 20 0 20 40
Scale 1" = 20'
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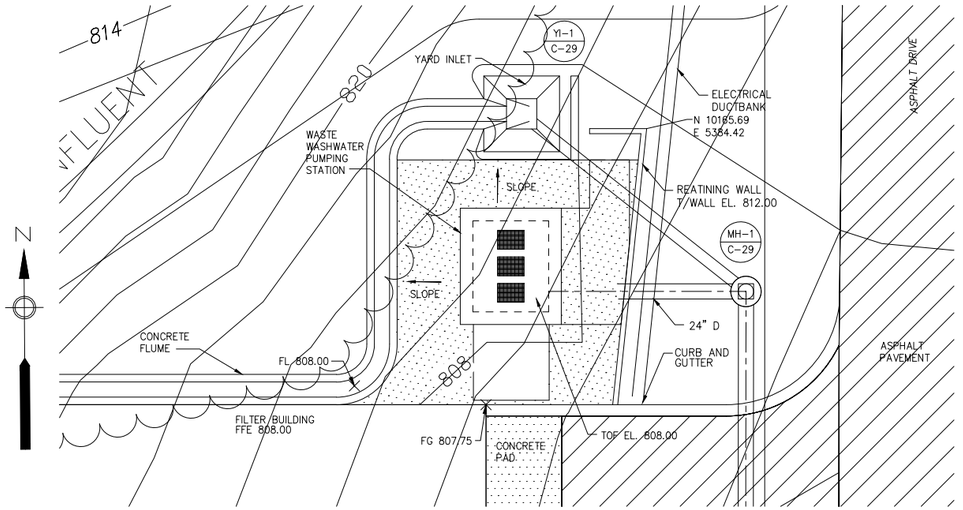
CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

GRADING
AND DRAINAGE PLAN 4

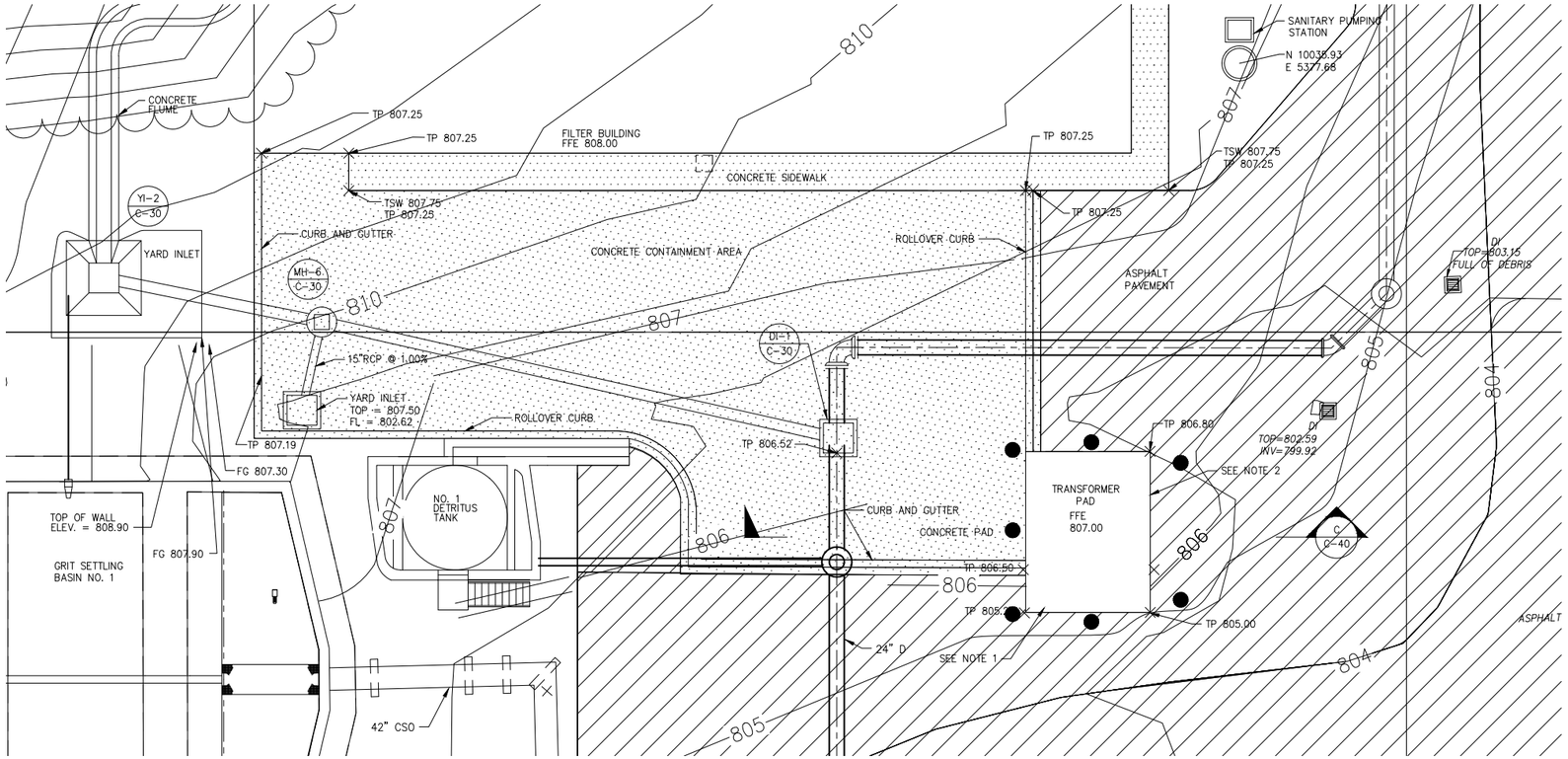
CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE czetp015.dwg
SHEET C-15

PATH/FILENAME: G:\Wem\GABPA134 – CSO Group 1\3_DATA\Fr CSO\08 EATP\Drawings\2008-ASBI USI\Project\czetp015.dwg
PLOT DATE: April 10, 2015 @ 10:10:29 am



DETAIL OF NORTHEAST CORNER OF FILTER BUILDING



DETAIL OF SOUTH SIDE OF FILTER BUILDING

NOTE:

1. HANDRAIL TO BE PLACED ALONG SOUTH SIDE OF PAD EXTENDING TO THE NORTH ON BOTH SIDES OF TRANSFORMER PAD TO TRANSFORMER DOOR HINGE.
2. HOLD EASTERN EDGE OF EXISTING TRANSFORMER PAD WHEN POURING NEW PAD.

AS-BUILT

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REG. PROF. ENGR. <XX PE NO. XXXXX> DATE _____

DRAWN BY: R. GARCIA
DEPT. CHECK: C. SPENCER
PROJ. CHECK: N. COOPER

SCALE: 10 0 10 20
Scale 1" = 10'

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

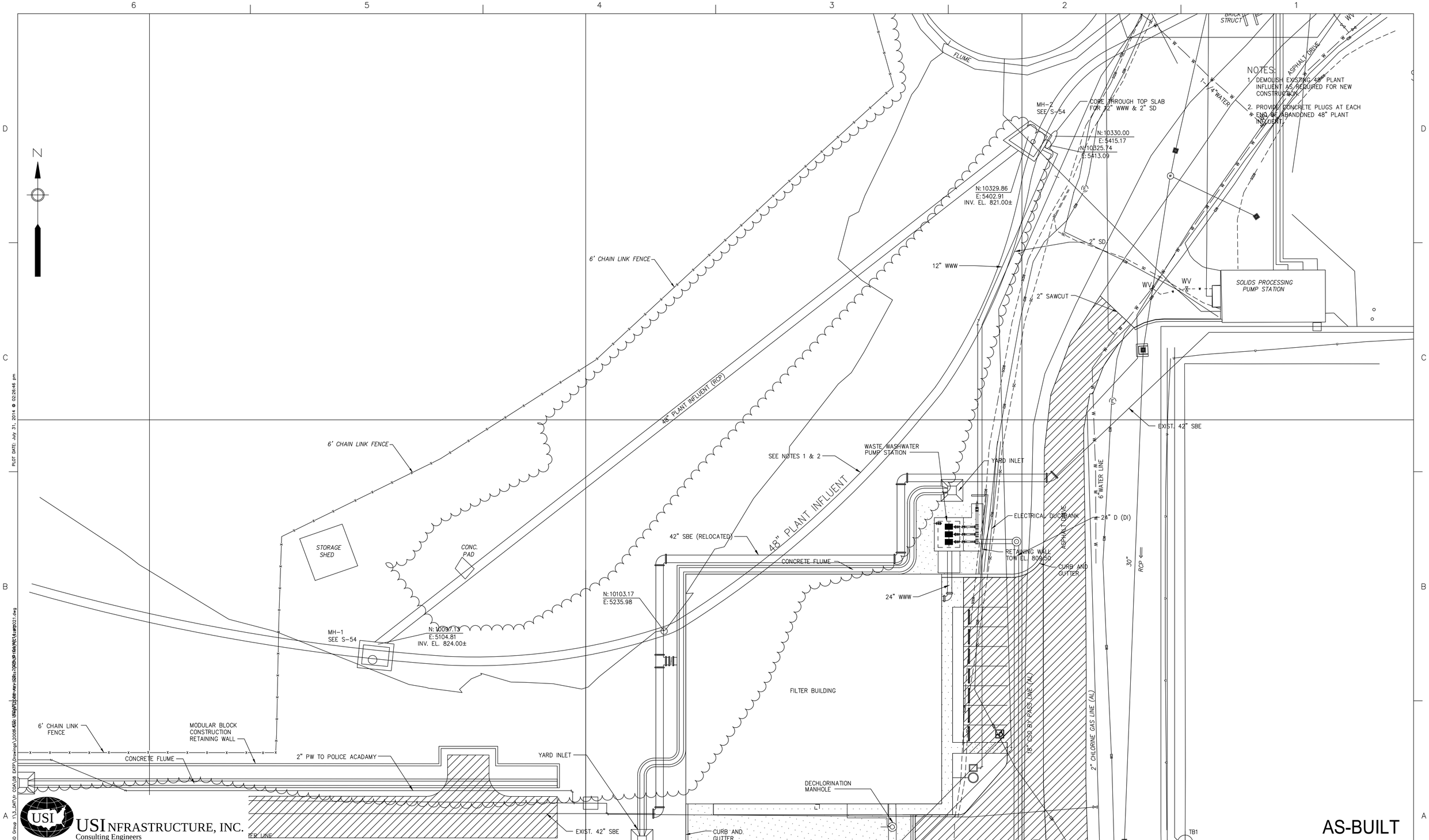
CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

GRADING
AND DRAINAGE PLAN 5

CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE czetp016.dwg
SHEET C-16

PLOT DATE: April 10, 2015 @ 10:15:33 am
PATH/FILENAME: G:\Wem\GA\BPA134 - CSO Group 1\3_DATV- COA\08 EATP\Drawing\2008ASBUILT\PLANS\czetp016.dwg



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NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
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DRAWN BY: M. CALDWELL
DEPT. CHECK: C. SPENCER
PROJ. CHECK: N. COOPER

SCALE:

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

OUTSIDE PIPING PLAN 1

CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE czetp021.dwg
SHEET C-21

PLOT DATE: July 31, 2014 @ 02:26:46 pm
PATH/FILENAME: G:\Wwm\GABPA134 - CSO Group 1\3_DATV\ COA\08 EATP\Drawings\2008\ASI Drawings\czetp021.dwg

PLOT DATE: July 31, 2014 @ 02:35:35 pm

PATH/FILENAME: G:\Www\QABPA134 - CSO Group 1\3_DAT\Fr COA\08 EATP\Drawings\2008 ASSI (Update)\Outside way\SOBIs-TOPOUTSIDE-way-ISSUE.dwg

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1	8-07	MF	SJ	AS-BUILT DRAWING

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DRAWN BY M. CALDWELL

DEPT. CHECK C. SPENCER

PROJ. CHECK N. COOPER

SCALE: 60 0 60 120 Scale 1" = 60'

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

OUTSIDE PIPING PLAN 1

CIVIL NOVEMBER 2004

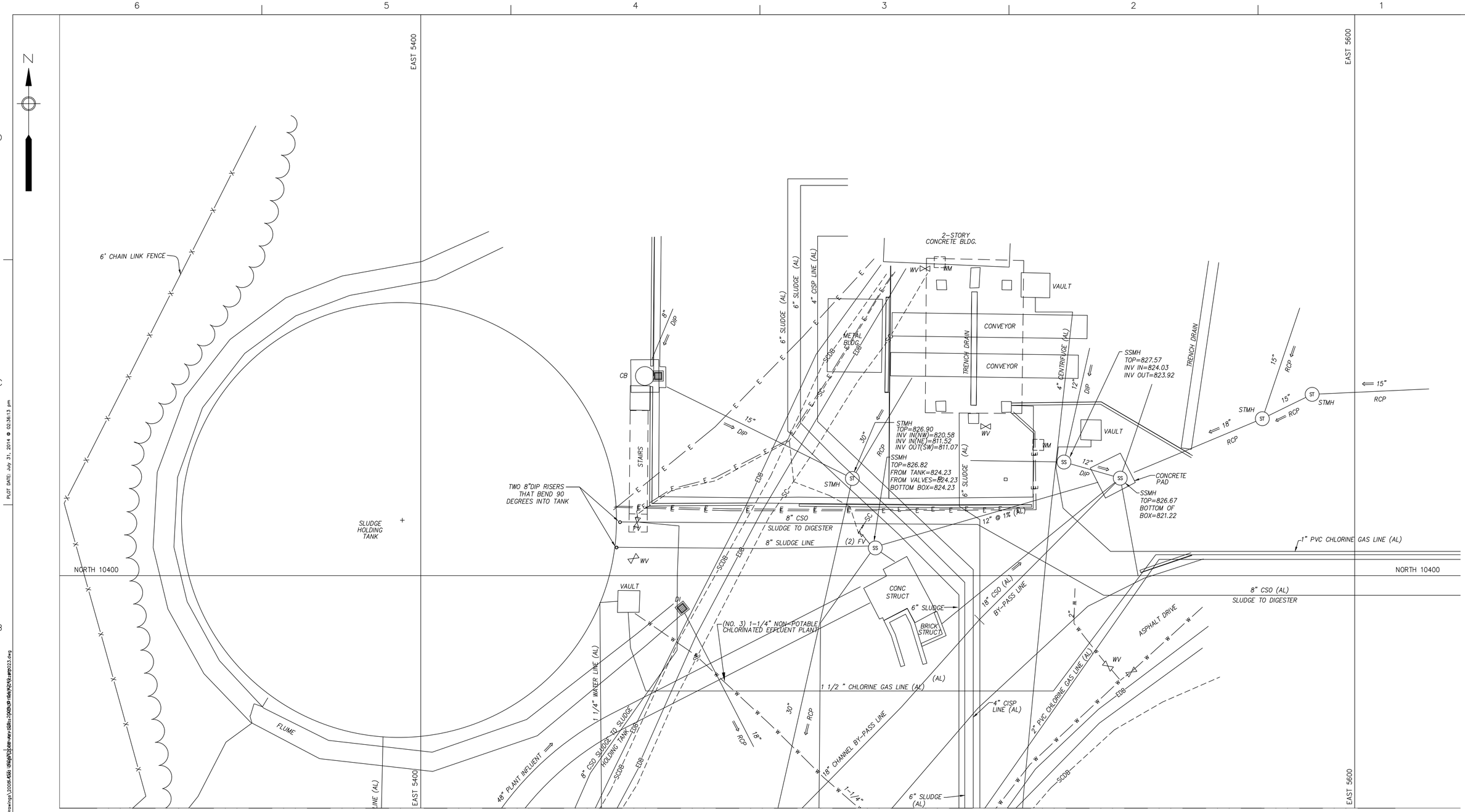
AS-BUILT

JOB 036202040

FILE NO.

CADD FILE czetp022.dwg

SHEET C-22



MATCH LINE "A" – SEE SHEET C-24

AS-BUILT

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1	8-07	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. <XX PE NO. XXXXX> DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: C. SPENCER
PROJ. CHECK: N. COOPER

SCALE: 10 0 10 20
Scale 1" = 10'
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

OUTSIDE PIPING PLAN 2

CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE czetp023.dwg
SHEET C-23

PLOT DATE: July 31, 2014 @ 02:36:13 pm
PATH/FILENAME: G:\Wwm\GaBPA134 - CSO Group 1\3_DATA\Project Data\08 EATP\Drawings\200805.ASE (05)\EATP\Drawings\200805-05-C23.dwg

MATCH LINE "A" – SEE SHEET C-23

N

8" SLUDGE

EAST 5400

INFLUENT JUNCTION BOX #2
N 10330.29
E 5413.91
N 10326.18
E 5408.00
N 10324.80
E 5407.12
N 10318.38
E 5405.54

8" CSO SLUDGE TO SLUDGE HOLDING TANK

6' CHAIN LINK FENCE

8" CSO SLUDGE TO SLUDGE HOLDING TANK (AL)

8" SLUDGE LINE (AL)

1 1/4" WATER LINE (AL)

DI
TOP=814.27
INV IN=809.19
INV OUT=809.17

STMH
TOP=815.46
INV IN(SE)=808.96
INV IN(NE)=808.37
INV OUT(SW)=808.26

30" RCP

18" RCP

ASPHALT DRIVE

2" CSP SUMP PUMP DISCHARGE (AL)

6" SLUDGE (AL)

6" SLUDGE (AL)

6" SLUDGE (AL)

4" CISP LINE (AL)

6" TEMP BYPASS LINE (AL)

8" SL

12" WWW

18" CSO

96FV0094
N 10255.44
E 5386.11
EL. 818.45
12" x 8" TEE

96FV0093

N 10247.83
E 5404.76
EL. 812.60
8" x 8" TEE

N 10244.16
E 5403.68
EL. 812.42
8" x 8" TEE

8" WWW

96FV0092

8" SL TO 18" TIE-IN

96FV0091

N 10242.65
E 5380.59
22.5° BEND
EL. 817.51
12" WWW
& 2" PD

* SEE NOTES 1 AND 2

N 10242.88
E 5408.05
EL. 812.34
8" VALVE

18" CSO BY-PASS LINE

N 10240.10
E 5418.93
EL. 806.08
18" x 8" TEE

SOLIDS PROCESSING PUMP STATION

C/O

12"CONCRETE WALL

8" SLUDGE LINE TO BE ABANDONED (BY OTHERS) (AL)

42" SBE

DI
TOP=806.71
INV IN=802.51
INV OUT=802.51

SETTLING TANK PAD

12" WWW

2" PD

8" SLUDGE LINE TO BE ABANDONED (BY OTHERS) (AL)

2" WATER LINE (AL)

1 1/2" GAS LINE (AL)

NORTH 10200

NORTH 10200

EAST 5400

NOTES:

1. MAINTAIN PROFILE CONTINUOUSLY RISING TO HEADWORKS
2. 12" WWW TO 2" PD TWO (2) FEET CENTER TO CENTER
3. FIELD LOCATE EXISTING PIPING BEFORE FINAL ROUTING AND TRENCH EXCAVATION FOR NEW OUTSIDE PIPING

MATCH LINE "B" – SEE SHEET C-25

AS-BUILT

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REG. PROF. ENGR. <XX PE NO. XXXXX> DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: C. SPENCER
PROJ. CHECK: N. COOPER

SCALE:
10 0 10 20
Scale 1" = 10'
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

OUTSIDE PIPING PLAN 3

CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE czetp024.dwg
SHEET C-24

PLOT DATE: July 31, 2014 @ 02:38:34 pm

PATH/FILENAME: G:\Wwm\DABPA134 - CSO Group 1\3_DATV\ COA\08 EXTP\Drawings\200802\ 1\1_Plan\ 08Plan200802EXTP 08A1 1\1-ep024.dwg

MATCH LINE "B" – SEE SHEET C-24

N

EAST 5200

48" PLANT INFLUENT

N 10172.68
E 5344.31
90° BEND

℄ EL. 802.93

YARD INLET

12" WWW

SCDB

EDB

2" PD

WASTE WASHWATER PUMPING STATION

W-1
C-29

MH-4
C-29

N 10173.35
E 5413.58
EL. 799.08

ASPHALT DRIVE

2" CHLORINE GAS LINE (AL)

ELECTRICAL DUCTBANK

N 10144.21
E 5397.53

24" D

YH

N 10136.62
E 5344.63
90° BEND

2" W3

℄ EL. 804.62

24" WWW
(DI)

ASPHALT PAVEMENT

48" CSO BY PASS LINE

N 10135.46
E 5233.54
90° BEND

℄ EL. 804.50

CONCRETE FLUME

42" SBE

TI-1
C-29

N 10120.75
E 5366.17
90° BEND
℄ EL. 798.14

8" CSO SLUDGE TO SLUDGE HOLDING TANK (AL)

NOTE:

1. CONTRACTOR SHALL LOCATE EXISTING 42" SBE LINE PRIOR TO ANY CONSTRUCTION ON ANY PROPOSED UNDERGROUND PIPING. CONTRACTOR SHALL PROVIDE ENGINEER WITH LOCATION INFORMATION FOR THIS LINE AS SOON AS THE LINE HAS BEEN IDENTIFIED AND PRIOR TO COMMENCING CONSTRUCTION OF ANY PROPOSED UNDERGROUND PIPING.
2. FIELD LOCATE EXISTING PIPING BEFORE FINAL ROUTING AND TRENCH EXCAVATION FOR NEW OUTSIDE PIPING
3. FIELD LOCATE ALL UTILITIES PRIOR TO ESTABLISHING FINAL ALIGNMENT.

30" RCP

8" SLUDGE LINE TO BE ABANDONED (AL)

1 1/2" GAS LINE (AL)

2" WATER LINE (AL)

FILTER BUILDING

℄ EL. 803.04

48" PLANT INFLUENT

N 10088.01
E 5233.73

6" W3

N 10037.48
E 5235.48
45° BEND
℄ EL. 804.55

SEE NOTE 3

METER VAULT

42" SBE

2" CLS/4"

42" SBE

42" SBE

TI-2
C-29

MH-7
C-29

2" CLS/4" (FUTURE)
IN FLOOR BOX
IN SIDEWALK

DECHLORINATION MANHOLE

SANITARY PUMP STATION

N 10248.66
E 5395.12
45° BEND

N 10023.03
E 5376.64
EL. 802.84

MH-3
C-29

WV

2" W1

N 10005.14
E 5397.34

DI
TOP=803.15
FULL OF DEBRIS

30" RCP

DI
TOP=803.79
INV IN(N)=795.95
INV IN(E)=796.85
INV OUT(S)=794.39

TB1

SETTLING TANK PAD

YARD INLET
N 10006.03
E 5234.64
℄ EL. 806.62

N 10019.30
E 5232.32
90° BEND

℄ EL. 800.69

N 10012.41
E 5312.44
℄ EL. 805.77

1" NBS/
4" CONTAINMENT

N 10013.13
E 5335.28
℄ EL. 805.80

SEE NOTE SHEET M-35 FOR DECHLORINATION MANHOLE DETAIL

N 10013.39
E 5340.58

42" FEFF

8" SL

1-1/2" CAU/3" TO MH

NORTH 10000

NORTH 10000

MATCH LINE "C" – SEE SHEET C-26

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REG. PROF. ENGR. <XX PE NO. XXXXX> DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: C. SPENCER
PROJ. CHECK: N. COOPER

SCALE:
10 0 10 20
Scale 1" = 10'

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

OUTSIDE PIPING PLAN 4

CIVIL NOVEMBER 2004

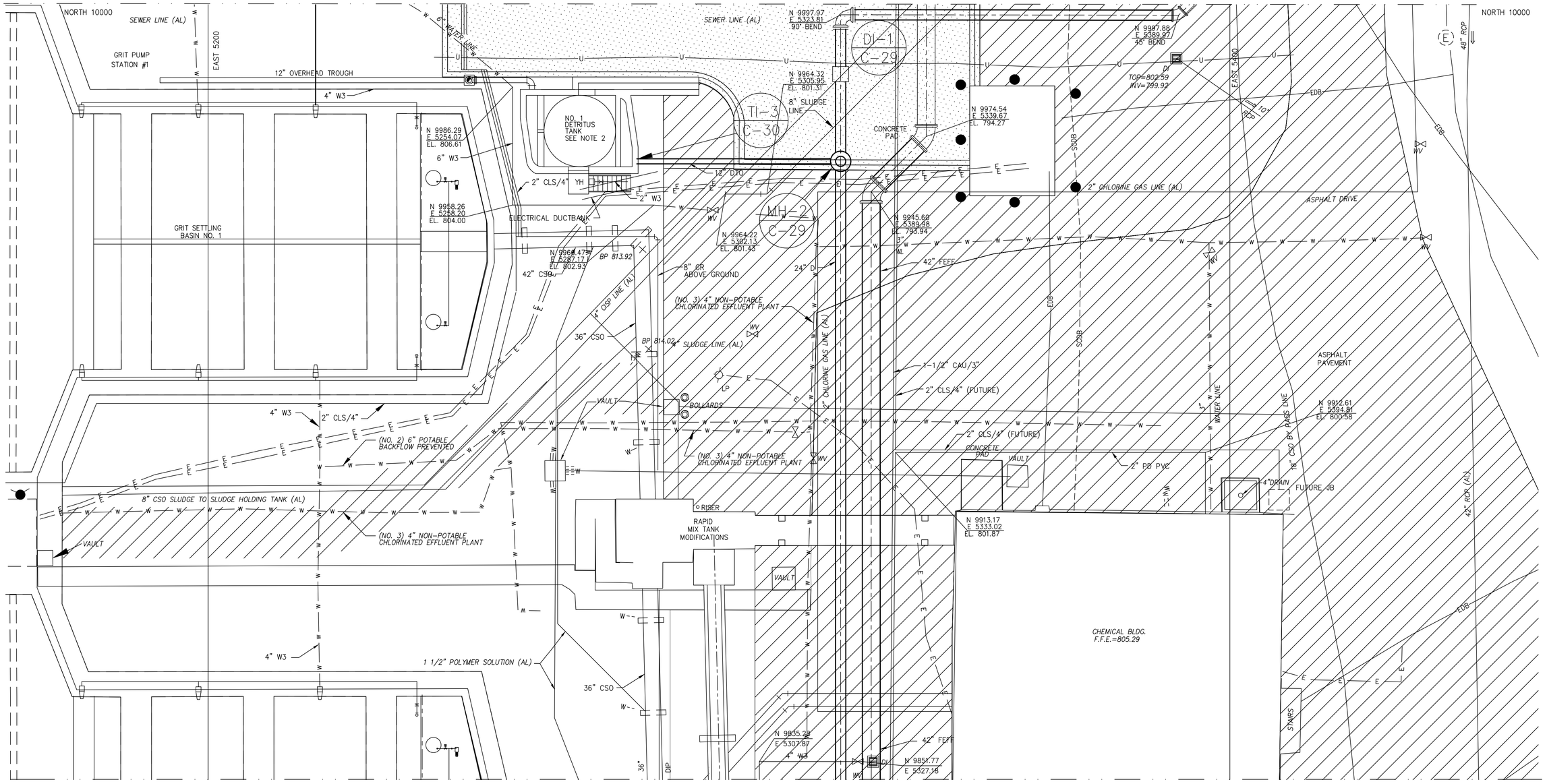
JOB 036202040
FILE NO.
CADD FILE czetp025.dwg
SHEET C-25

PLOT DATE: July 31, 2014 @ 02:39:05 pm
PATH/FILENAME: G:\Wwm\GABPA134 - CSO Group 1\3_DATA\r CDA\08 EATP\Drawings\200802.45G\ 08eatp025.dwg

NOTE:

1. FIELD LOCATE EXISTING PIPING BEFORE FINAL ROUTING AND TRENCH EXCAVATION FOR NEW OUTSIDE PIPING
2. RELOCATE CONFLICTING PIPING WHERE INTERFERING WITH DETRITOR CONSTRUCTION

MATCH LINE "C" – SEE SHEET C-25



MATCH LINE "E" – SEE SHEET C-27

USI INFRASTRUCTURE, INC.
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AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. <XX PE NO. XXXXX> DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: C. SPENCER
PROJ. CHECK: N. COOPER

SCALE:
10 0 10 20
Scale 1" = 10'
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

OUTSIDE PIPING PLAN 5

CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE czetp026.dwg
SHEET C-26

PLOT DATE: July 31, 2014 @ 02:41:04 pm
PATH/FILENAME: G:\Wwm\GABPA134 - CSO Group 1\3_DATV\r COA\08 EATP\Drawings\200804\ASBuilt\czetp026.dwg

MATCH LINE "D" – SEE SHEET C-26

MATCH LINE "F" – SEE SHEET C-28

GRIT SETTLING BASIN NO. 2

GRIT PUMP STATION #2

NO. 2 DETRITUS TANK SEE NOTE 2

VORTEX SEPARATOR

CHEMICAL BLDG.

ASPHALT PAVEMENT

ASPHALT DRIVE

BOLLARDS

VALVE & METER VAULT

EFFLUENT FLUME STRUCTURE

1-1/2" SAMPLE LINE

1-1/4" SCH 40 TYPE 304 SS PIPE

12" OVERHEAD TROUGH

8" GR ABOVE GROUND

1 1/2" SAMPLE LINE (AL)

1 1/2" SAMPLE LINE (AL)

42" CSO

4" W3

YH

SEE NOTE 4

12" DTC

2" PD PVC

42" FEFF

10" CSO

42" RCP (AL)

16" CSO BY-PASS LINE

1-1/2" CAU/3"

2" CAU/4"

SSMH

SSMH TOP=801.37 DEBRIS=795.78

SSMH TOP=801.42 INV=798.42 DEBRIS=788.50

20" CSO

24" SBE

6' CHAIN LINK FENCE

42" FEFF

60" RCP (AL)

60" PLANT EFFLUENT (AL)

24" RECIRCULATION TO TUNNEL @10% (AL)

36" RCP

8" CSO

4" DR

10" CSO

EAST 5200

EAST 5400

NORTH 9800

N 9834.47	E 5287.94			
N 9830.94	E 5257.30			
N 9816.38	E 5324.28			
N 9817.90	E 5403.70			
N 9803.46	E 5309.37			
N 9803.55	E 5271.20			
N 9801.55	E 5254.40			
N 9800.75	E 5403.84			
N 9794.91	E 5277.10			
N 9794.28	E 5307.99			
N 9788.44	E 5309.94			
N 9772.33	E 5308.34			
N 9770.92	E 5335.61			
N 9758.59	E 5336.67			
N 9756.21	E 5450.23			
N 9748.22	E 5323.62			
N 9745.69	E 5380.00			
N 9742.00	E 5297.75			
N 9742.00	E 5300.55			
N 9742.07	E 5303.38			
N 9735.18	E 5329.33	90° BEND		
N 9732.36	E 5403.26			
N 9713.00	E 5332.34			
N 9710.18	E 5332.37			
N 9707.38	E 5332.37			
N 9700.48	E 5403.14			
N 9697.48	E 5403.06			
N 9695.84	E 5398.93			
N 9690.03	E 5308.39			
N 9693.00	E 5380.06			

NOTE:

1. FIELD LOCATE EXISTING PIPING BEFORE FINAL ROUTING AND TRENCH EXCAVATION FOR NEW OUTSIDE PIPING
2. RELOCATE CONFLICTING PIPING WHERE INTERFERING WITH DETRITOR CONSTRUCTION
3. REFER TO STRUCTURAL DETAIL ON SHEET S-44
4. MANHOLE SHOULD BE EQUIPPED WITH GRATED COVER.

AS-BUILT

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NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	8-07	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. <XX PE NO. XXXXX> DATE _____

DRAWN BY M. CALDWELL

DEPT. CHECK C. SPENCER

PROJ. CHECK N. COOPER

SCALE: 10 0 10 20

Scale 1" = 10'

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

OUTSIDE PIPING PLAN 6

CIVIL NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE czetp027.dwg

SHEET C-27

PLOT DATE: July 31, 2014 @ 02:44:02 pm

PATH/FILENAME: G:\Www\GA8PA134 - CSO Group 1\3_DATA\fr COA\08 EATP\Drawings\2008 ASBI Drawings\Outside Piping\czetp027.dwg

NOTE:

1. FIELD LOCATE EXISTING PIPING BEFORE FINAL ROUTING AND TRENCH EXCAVATION FOR NEW OUTSIDE PIPING

N

MATCH LINE "F" – SEE SHEET C-27

SSMH TOP=801.66 DEBRIS=798.15

ASPHALT PAVEMENT

SSMH TOP=801.91 INV IN=794.66 INV OUT=794.59

8" RCP

8" RCP

42" PLANT EFFLUENT (AL)

8" SLUDGE LINE TO BE ABANDONED (AL)

8" SLUDGE LINE (AL)

2" WATER LINE (AL)

2" CAU/4"

N 9769.50 E 5477.88

2" PD PVC

RCP

42" DIP

42"

CP #2

SSMH TOP=801.26 INV IN=793.66 INV OUT=793.56

RCP

EAST 5600

SSMH TOP=801.59 FULL OF DEBRIS

10" RCP

DI

SSMH TOP=802.42 BOTTOM=798.67

CONC. PAD

4"PVC

RCP

2" CAUSTIC SODA/4" TIE INTO EXISTING 2" CAUSTIC SODA

PUMP ENCL.

N 9775.22 E 5595.60

DI TOP=801.91 ALL VISIBLE PIPES 2"PVC INV IN(NNE)=800.01 INV IN(E)=800.16 INV IN(SEE)=796.91 INV IN(SE)=800.21 INV IN(SW)=800.31 INV IN(NW)=800.11 DEBRIS=799.76

2" PVC

LP

TRANSFORMER PAD

ASPHALT PAVEMENT

N 9719.61 E 5568.37

N 9723.02 E 5569.26

N 9718.56 E 5555.59

N 9720.01 E 5538.46

N 9717.11 E 5554.73

20" CSO

20" CSO

20" CSO

8" CSO

8" CSO

36"RCP

N 9709.34 E 5547.08

4" DR

SSMH TOP=805.56 INV IN(W)=795.48 PIPE(N)=ENCLOSED TOP PIPE(NE&SW)=792.56 PIPE(NE)=ENCLOSED INV OUT(S)=791.21

N 9714.57 E 5557.26

N 9712.54 E 5565.94

N 9713.55 E 5561.63

TUNNEL PUMPING STATION MODIFICATIONS

N 9708.00 E 5581.98

N 9707.94 E 5584.33

N 9699.08 E 5581.98

N 9698.70 E 5584.34

N 9697.02 E 5579.92

N 9695.54 E 5581.81

ELECTRICAL BLDG. F.F.E.=803.34

TRANSFORMER PAD

6' CHAIN LINK FENCE

6' CHAIN LINK FENCE

EAST 5600

ASPHALT PAVEMENT

ELECTRICAL BLDG

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DRAWN BY M. CALDWELL

DEPT. CHECK C. SPENCER

PROJ. CHECK N. COOPER

SCALE:

10 0 10 20

Scale 1" = 10'

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

OUTSIDE PIPING PLAN 7

CIVIL NOVEMBER 2004

JOB 036202040

FILE NO.

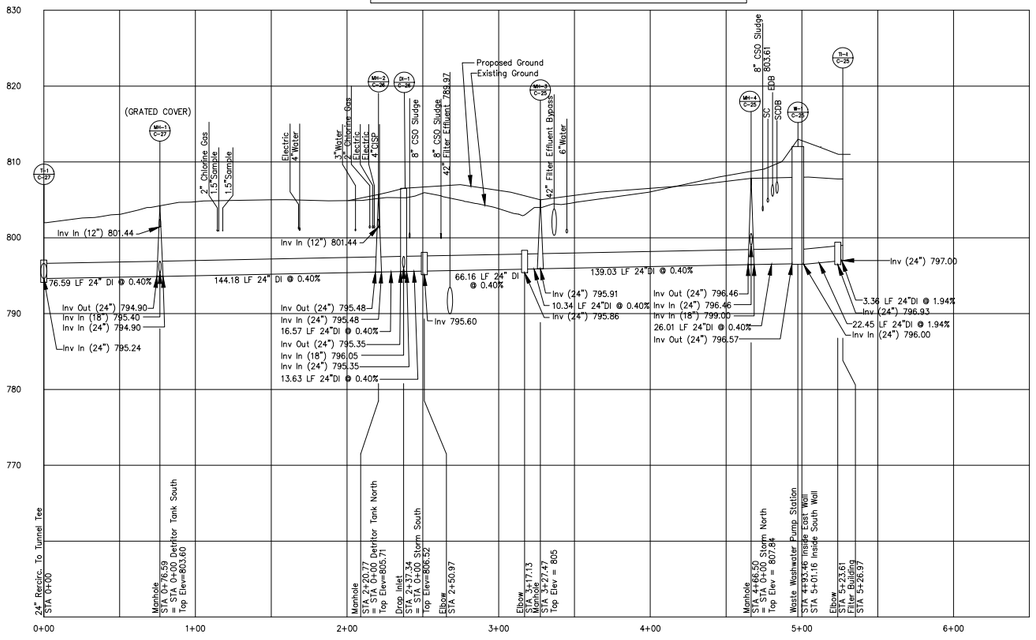
CADD FILE czetp028.dwg

SHEET C-28

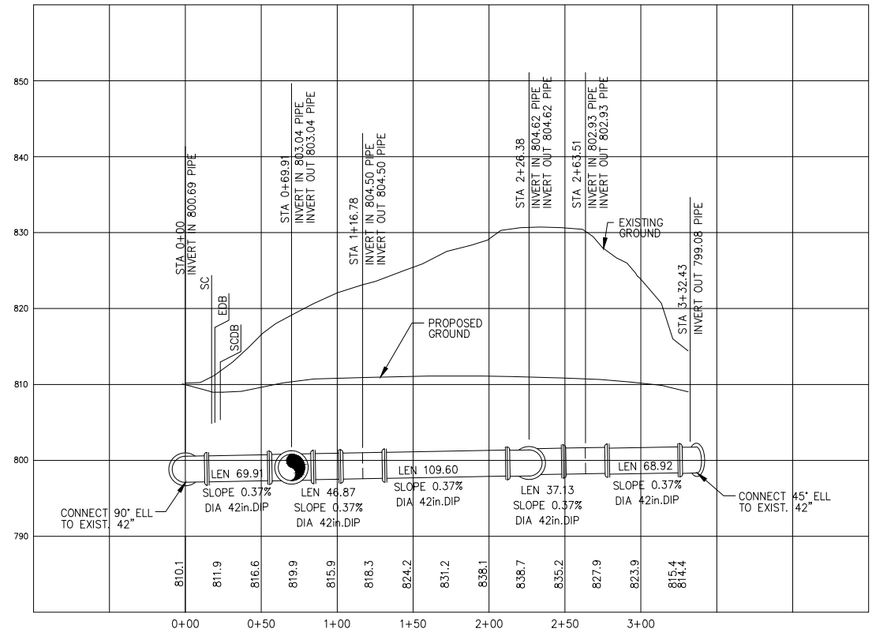
PLOT DATE: July 31, 2014 @ 02:45:30 pm

PATH/FILENAME: G:\Ww\GA\BPA134 - CSO Group 1\3_DMT\Cr CGA\08 EATP\Drawings\2008ASBI (Original)\Civil\Outside Piping\czetp028.dwg

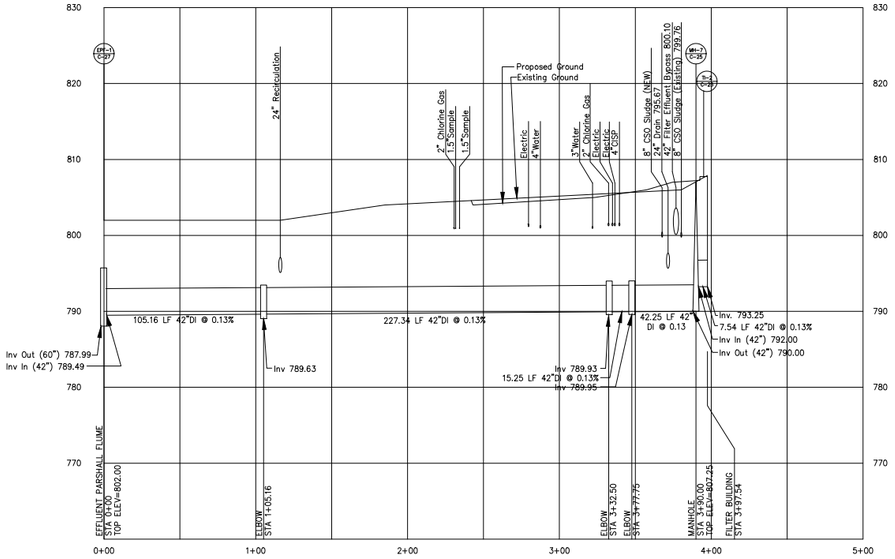
24" DRAIN(D)



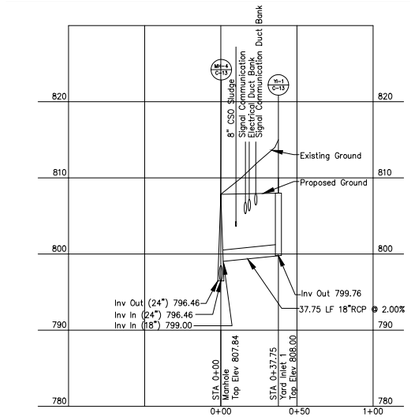
42" SBE



42" FINAL EFFLUENT (FEFF)



STORM NORTH



NOTE:

1. ENCASE 18" RCP AND 24" DI AT CONNECTION TO MANHOLE.

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AS-BUILT

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DRAWN BY: R. GARCIA
DEPT. CHECK: C. SPENCER
PROJ. CHECK: N. COOPER

SCALE:
Vertical Scale 1" = 10'
10 0 10 20
Horizontal Scale 1" = 50'
50 0 50 100

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

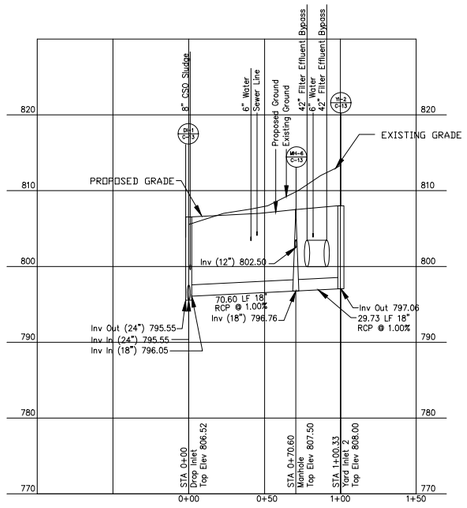
OUTSIDE PIPING PROFILES 1

CIVIL NOVEMBER 2004

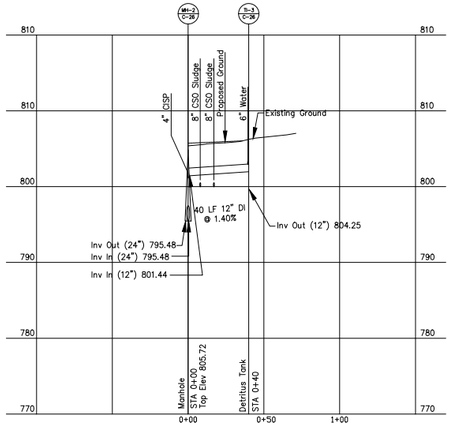
JOB 036202040
FILE NO.
CADD FILE czetp029.dwg
SHEET C-29

PLOT DATE: April 10, 2015 @ 10:16:43 am
PATH/FILENAME: G:\Wem\CARPA134 - CSO Group 1\3_DATA\Engineering\CAD\08_EATP\Drawings\2008-ASBUILT DRAWINGS\Civil\Profiles\czetp029.dwg

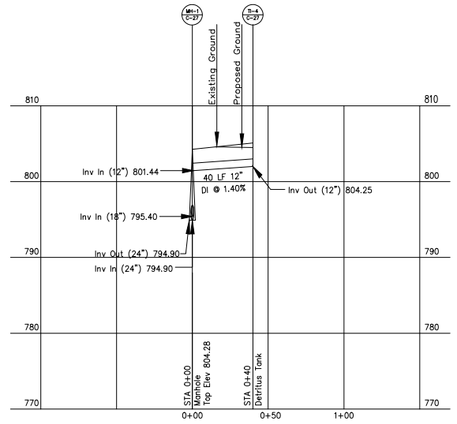
STORM SOUTH



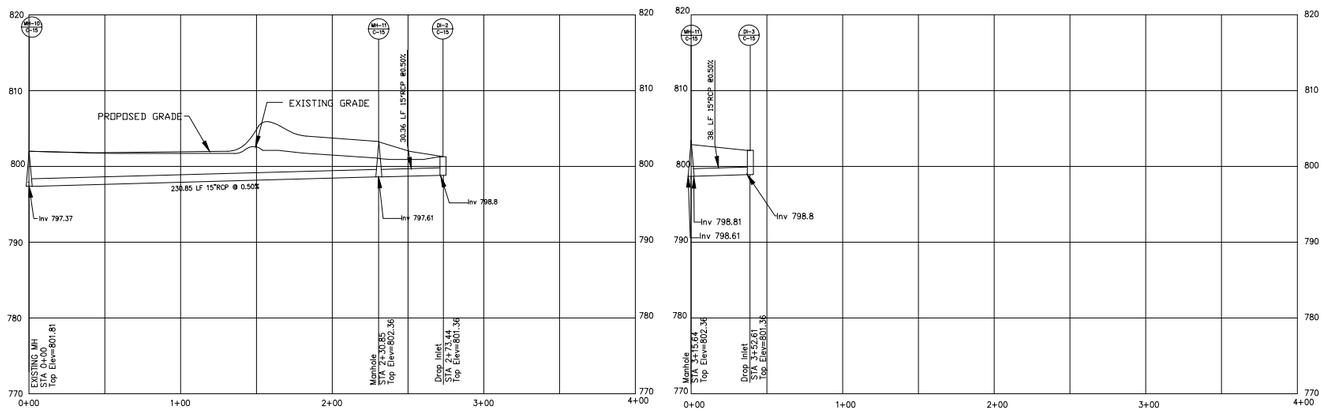
DETRITUS TANK NORTH



DETRITUS TANK SOUTH



ELECTRICAL BUILDING STORM



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Consulting Engineers •

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NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	8-07	MF	SJ	AS-BUILT DRAWING

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DRAWN BY: R. GARCIA
DEPT. CHECK: C. SPENCER
PROJ. CHECK: N. COOPER

SCALE:
Vertical Scale 1" = 10'
10 0 10 20
50 0 50 100
Horizontal Scale 1" = 50'

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

OUTSIDE PIPING PROFILES 2

CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE czetp030.dwg
SHEET C-30

PLOT DATE: April 10, 2015 @ 10:17:34 am
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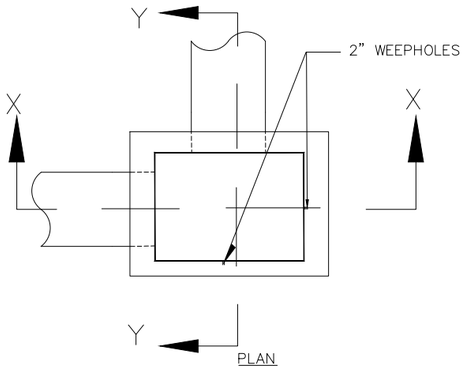
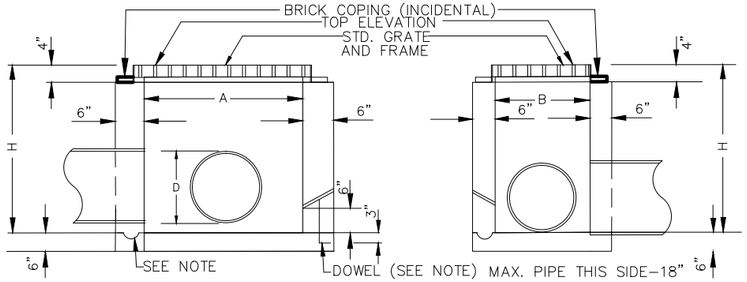
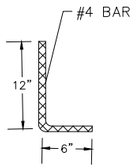


PLAN
WITH GRATE AND FRAME REMOVED



SECTION X–X

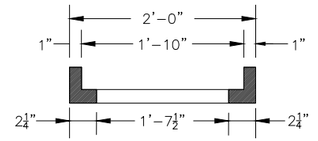
SECTION Y–Y



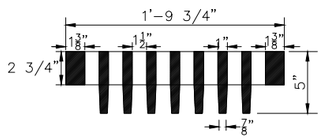
DOWEL

DIMENSIONS AND QUANTITIES FOR DROP INLET (BASED ON MIN. HEIGHT, H)								
DIMENSIONS OF BOX & PIPE				CUBIC YARDS			DEDUCTIONS FOR	
PIPE	SPAN	WIDTH	MIN. HEIGHT	CONC. IN BOX			ONE PIPE	
				BOTTOM	WALL PER	TOTAL CONC.		
D	A	B	H	SLAB	FT.HT	FOR MIN.HEIGHT, H	C.M	R.C
12"	3'-0"	2'-0"	2'-0"	0.222	0.222	0.592	0.015	0.026
15"			2'-3"			0.648	0.028	0.036
18"			2'-6"			0.703	0.033	0.049
24"			3'-0"			0.814	0.059	0.085
30"	3'-0"	2'-0"	3'-6"	0.222	0.222	0.925	0.092	0.127

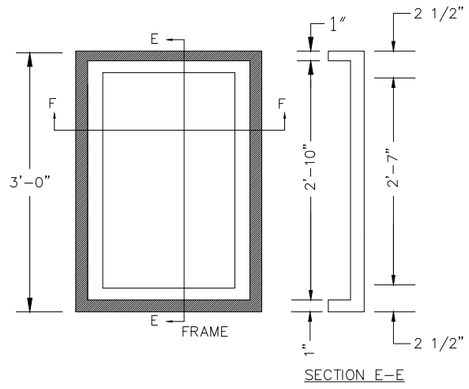
GENERAL NOTES:
1. USE CLASS "AA–1", VIBRATED, AIR ENTRAINED CONCRETE THROUGH OUT.
2. OPTIONAL CONSTRUCTION. MONOLITHIC POUR 2" KEYWAY OR #4 BAR DOWELS AT 12" CENTERS AS DIRECTED BY THE ENGINEER.
3. PROVIDE ALL DROP INLETS 3'–6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH C–36 (PP–2).
4. USE FORMS FOR THE CONSTRUCTION OF THE BOTTOM SLAB.
5. CONSTRUCT WITH PIPE CROWNS MATCHING UNLESS OTHERWISE SHOWN ON PLANS.
6. INSTALL 2" WEEPHOLES AS DIRECTED BY THE ENGINEER.
7. INSTALL STONE DRAINS OF A MINIMUM OF 1 CUBIC FOOT OF NO. 57 STONE IN A POROUS FABRIC BAG OR WRAP, AT EACH WEEP HOLE OR AS DIRECTED BY THE ENGINEER
8. CHAMFER ALL EXPOSED CORNERS 1".
9. DRAWING NOT TO SCALE.



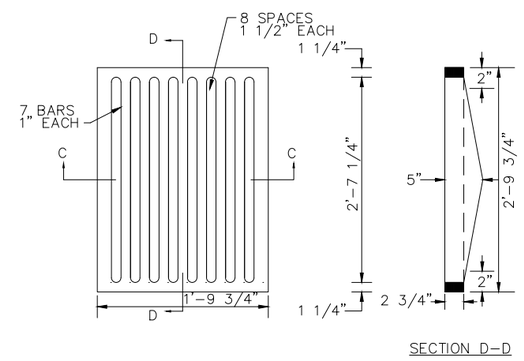
SECTION F–F



SECTION C–C



SECTION E–E



SECTION D–D

STANDARD GRATE & FRAME TYPE "B" CATCH BASIN

USI INFRASTRUCTURE, INC.
Consulting Engineers

1 STANDARD DROP INLET

2 STANDARD GRATE AND FRAME TYPE "B"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	8-07	MF	SJ	AS–BUILT DRAWING

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PROJ. CHECK	N. COOPER

SCALE: NOT TO SCALE

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

OUTSIDE PIPING DETAILS 1

CIVIL NOVEMBER 2004

JOB	036202040
FILE NO.	
CADD FILE	czetp034.dwg
SHEET	C–34

PLOT DATE: April 10, 2015 @ 10:18:33 am

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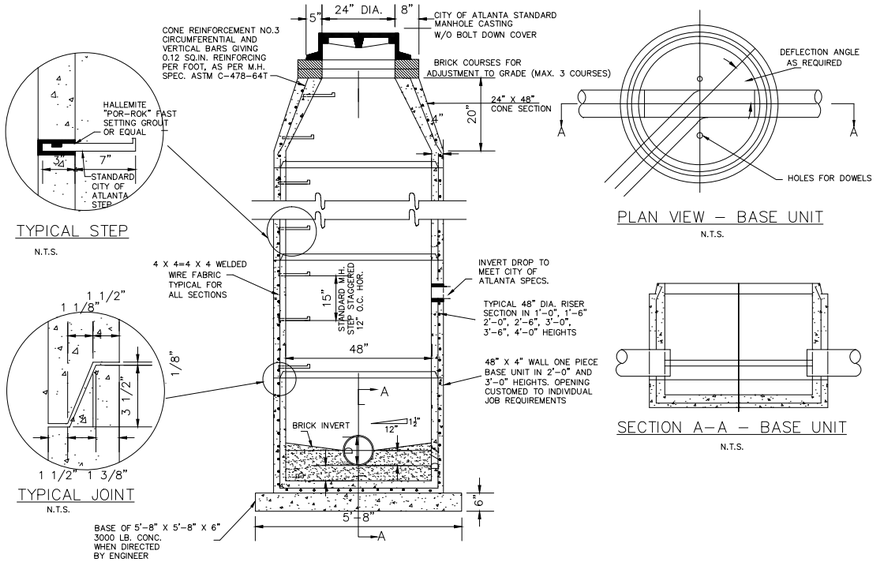

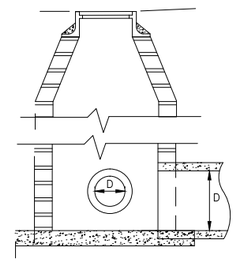

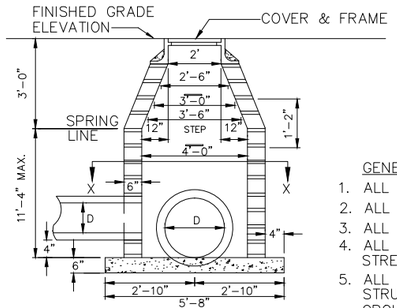

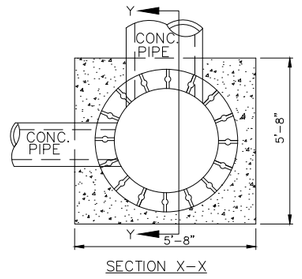

GENERAL NOTES:

1. ALL MORTAR JOINTS TO BE 1/2" (+/–) 1/8"
2. ALL EXPOSED JOINTS WILL BE CONCAVE TOOLED.
3. ALL SLABS SHALL BE FORMED.
4. ALL CONCRETE TO BE 3600 P.S.I. COMPRESSIVE STRENGTH.
5. ALL PIPE IN STORM DRAIN STRUCTURES SHALL BE STRUCK EVEN WITH THE INSIDE WALL, GROUTED AND BRUSHED SMOOTH.
6. MANHOLES OVER 3'–6" IN DEPTH SHALL BE PROVIDED WITH STEPS 1'–2" ON CENTERS.
7. STEPS TO BE IN ACCORDANCE WITH PP–1, SHEET C–36
8. FOR RING AND COVER SEE SHEET C–38

USI INFRASTRUCTURE, INC.
Consulting Engineers

1	STANDARD 48" PRECAST CONCRETE MANHOLE
2	BLOCK MANHOLE 15" THRU 36" PIPE FOR USE IN UNPAVED AREAS

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	8–07	MF	SJ	AS–BUILT DRAWING

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REG. PROF. ENGR. <XX PE NO. XXXXX> DATE _____

DRAWN BY	R. GARCIA
DEPT. CHECK	C. SPENCER
PROJ. CHECK	N. COOPER

SCALE: NOT TO SCALE

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

OUTSIDE PIPING DETAILS 2

CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE czetp035.dwg
SHEET C–35

PLOT DATE: April 10, 2015 @ 10:21:24 am
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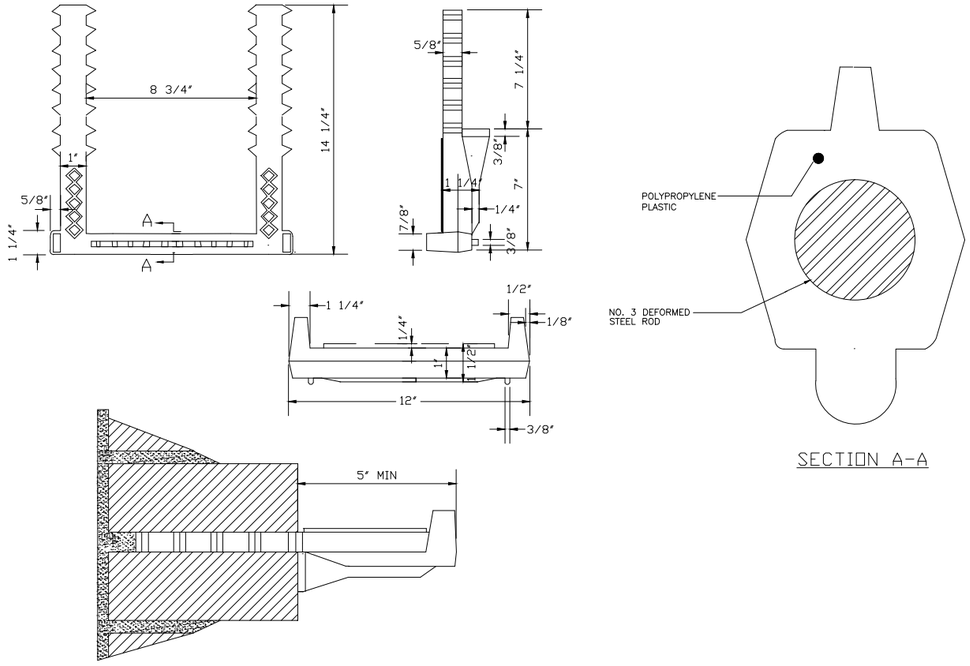
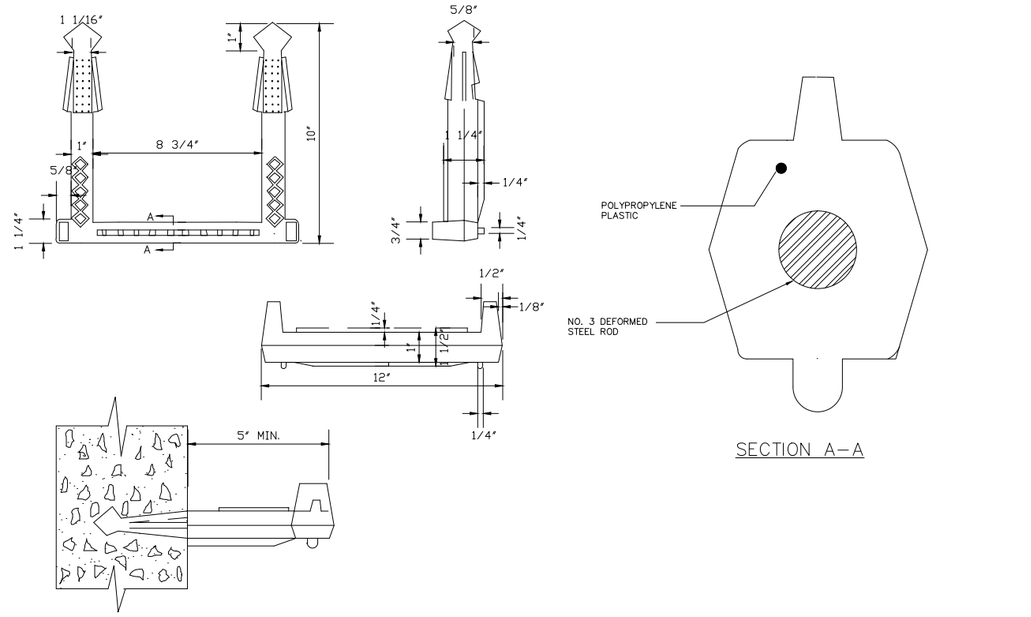


SECTION A-A

STEP TO BE INSTALLED IN MORTAR JOINT OF BRICK OR BLOCK MANHOLES

1 | PP-1 MANHOLE STEP



SECTION A-A

STEPS SHALL BE PLACED INTO WET CONCRETE WALL DURING MANUFACTURE OR MORTED INTO HOLES AFTER CONCRETE HAS SET

2 | PP-2 MANHOLE STEP

AS-BUILT

USI INFRASTRUCTURE, INC.
Consulting Engineers

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	8-07	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. <XX PE NO. XXXXX> DATE _____

DRAWN BY: R. GARCIA
DEPT. CHECK: C. SPENCER
PROJ. CHECK: N. COOPER

SCALE: NOT TO SCALE

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

OUTSIDE PIPING DETAILS 3

CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE czetp036.dwg
SHEET C-36

PATH/FILENAME: G:\Mem\GAEPA134 - CSO Group 1\3_DATA\c CGA\08 EATP\Drawings\2004\ASBUILT\PP\czetp036.dwg
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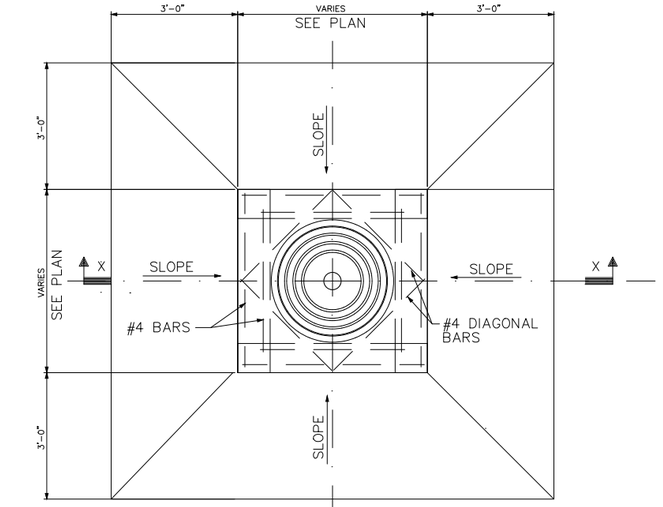
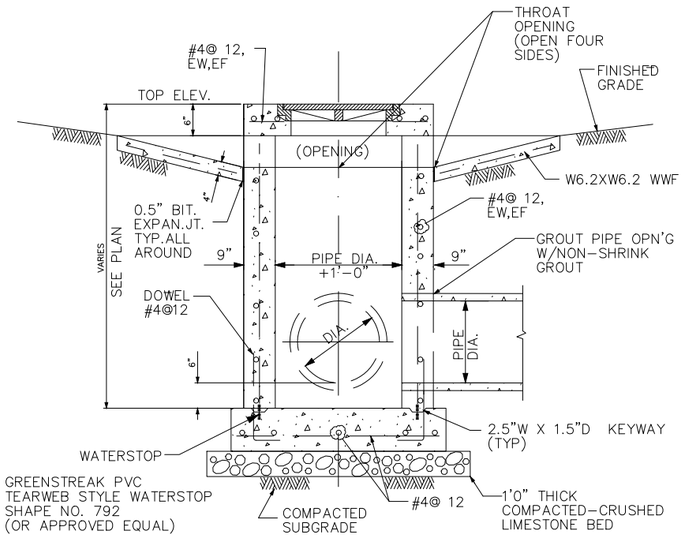


CITY OF ATLANTA
STANDARD MANHOLE CASTING

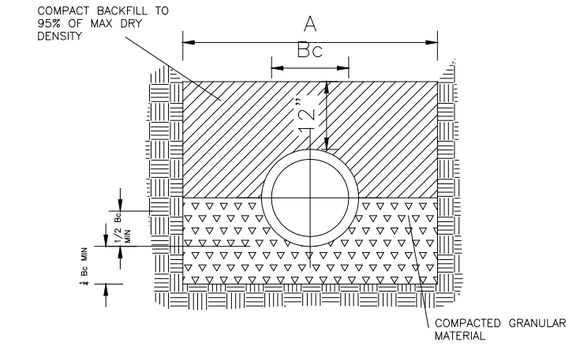
PLAN



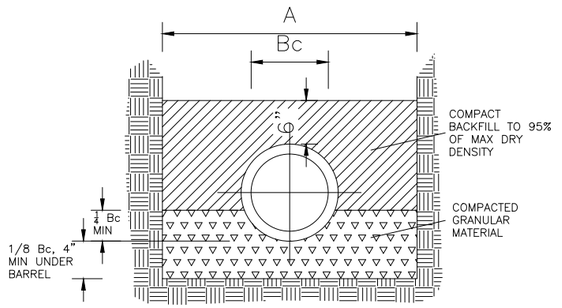
SECTION X-X

YARD INLET DETAIL

N.T.S.



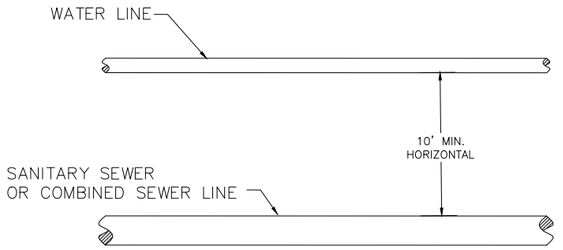
CLASS "B" PIPE BEDDING



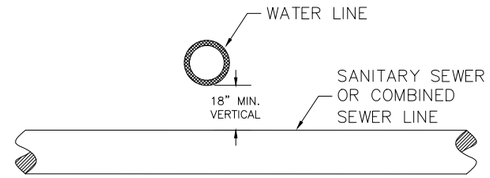
CLASS "C" PIPE BEDDING

USE CLASS "C" ONLY WHEN NOTED ON PLANS

PIPE DIAMETER Bc	MAXIMUM TRENCH WIDTH A
8"	2'-0"
10"	2'-0"
12"	2'-0"
15"	2'-6"
18"	2'-10"
24"	3'-6"
30"	4'-2"
36"	4'-10"
42"	5'-8"
48"	6'-2"
54"	7'-0"
60"	7'-6"
72"	8'-8"
78"	10'-0"



PLAN



SECTION

USI INFRASTRUCTURE, INC.
Consulting Engineers

1 YARD INLET DETAIL

2 STANDARD PIPE BEDDING

3 SEPARATION DETAIL WATER/SEWER

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	8-07	MF	SJ	AS-BUILT DRAWING

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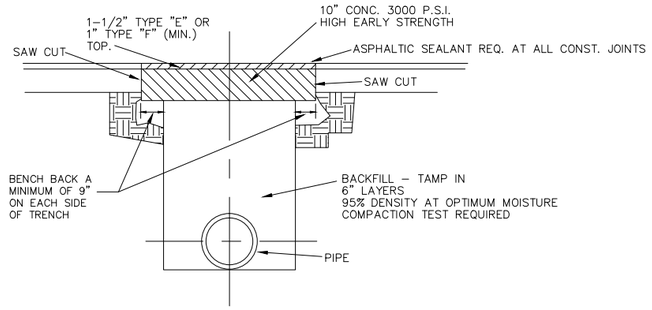
CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

OUTSIDE PIPING DETAILS 4

CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE czetp037.dwg
SHEET C-37

PLOT DATE: April 10, 2015 @ 10:22:05 am
PATH/FILENAME: G:\Wem\GABPA134 - CSO Group 13_DATA\C. CDA\08 EXPA\Drawings\2006\ASBUILT\PIPING\czetp037.dwg

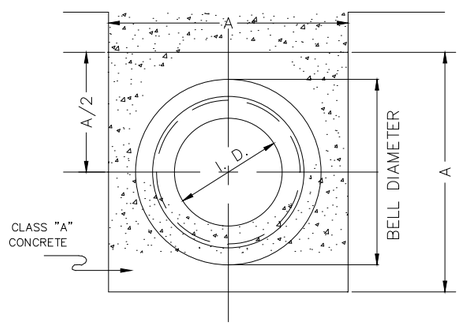


ON LONGITUDINAL CUTS EXCEEDING 150 FT. IN LENGTH, THE CONCRETE IN THE TRENCH WILL BE BROUGHT FLUSH WITH THE EXISTING PAVEMENT AND THE ENTIRE WIDTH OF ROADWAY RESURFACED WITH A MINIMUM OF 1" OF TYPE "E" ASPHALT TOPPING OR SURFACE COURSE.

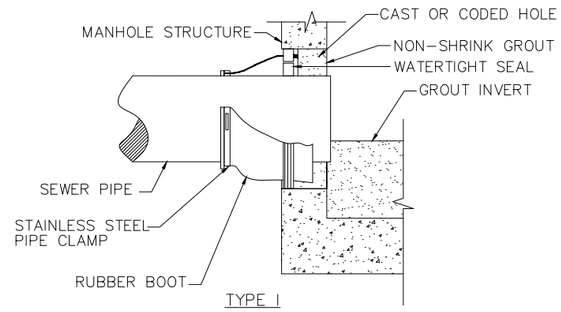
NOTE: ALL LATERAL STREET CUTS MUST BE COVERED WITH STEEL PLATES OF SUFFICIENT THICKNESS TO SPAN THE CUT WITHOUT NOTICEABLE DEFLECTION. PLATES TO REMAIN IN PLACE UNTIL THE CONCRETE BASE HAS GAINED SUFFICIENT STRENGTH TO WITHSTAND TRAFFIC LOADS (24 HR. MINIMUM).

1 | BACKFILLING UTILITY CUTS & REPLACING PAVEMENT

SECTION THROUGH BELL



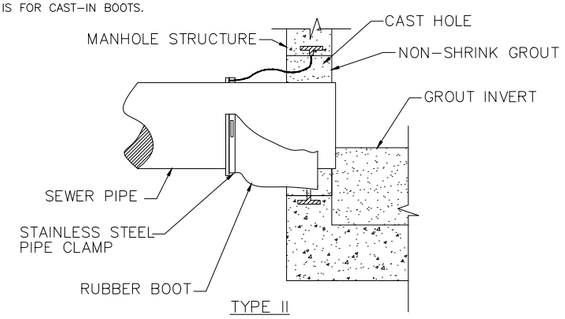
INSIDE DIAMETER	BELL DIAMETER	A
8"	12.75"	2'
10"	14.87"	2'
12"	19.62"	2'-2"
15"	23.50"	2'-6"
18"	27.37"	2'-10"
21"	30.87"	3'-1"
24"	34.75"	3'-5"
30"	36.00"	4'-0"
36"	42.63"	4'-6"
42"	49.13"	5'-0"
48"	54.75"	5'-6"
54"	61.60"	6'-0"



TYPE I

NOTES:

1. USE BOOTS FOR PIPES ≤ 42" DIAMETER.
2. TYPE I IS FOR MECHANICALLY ATTACHED TYPE BOOTS.
3. TYPE II IS FOR CAST-IN BOOTS.



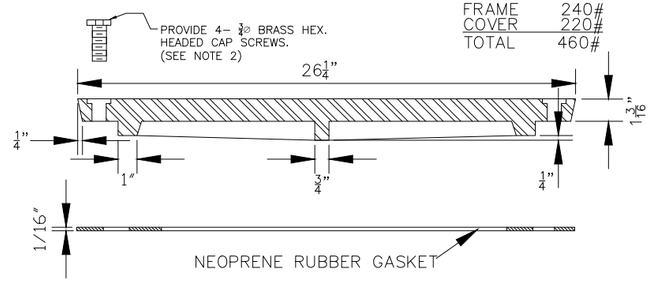
TYPE II

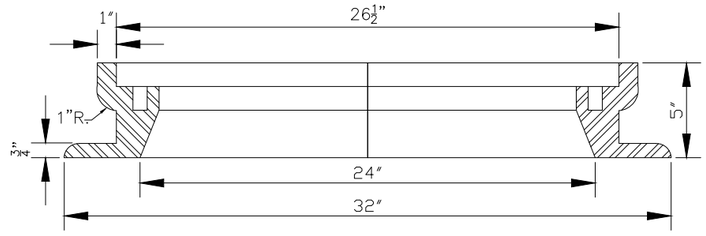
NOTES:

1. PROVIDE RAISED MATCH MARKS ON FRAME & COVER; TWO PICK HOLES SIDE OF COVER & CORRUGATIONS. NO PERFORATIONS. USE GRAY IRON CASTING ACCORDING TO ASTM-A-30.
2. BOLT DOWN COVER NOT REQUIRED.

APPROX. WEIGHTS

FRAME	240#
COVER	220#
TOTAL	460#





2 | STANDARD ENCASEMENT

3 | STANDARD DETAILS FOR BOOT CONNECTION

4 | STANDARD MANHOLE CASTING FOR USE IN FLOOD HAZARD AREAS

AS-BUILT

USI INFRASTRUCTURE, INC.
Consulting Engineers

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

OUTSIDE PIPING DETAILS 5

CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE czetp038.dwg
SHEET C-38

PLOT DATE: April 10, 2015 @ 10:22:23 am
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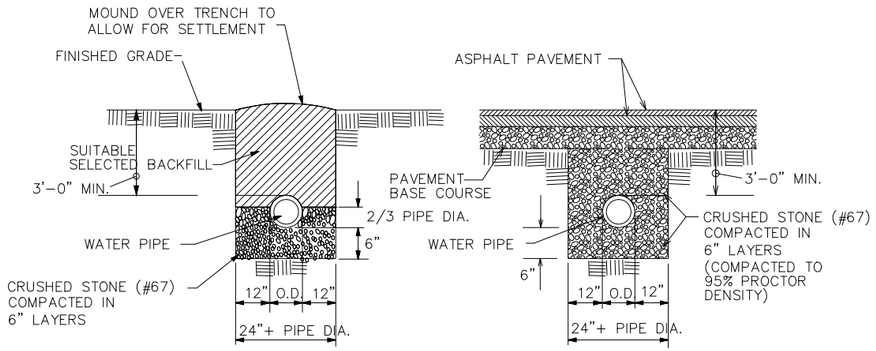
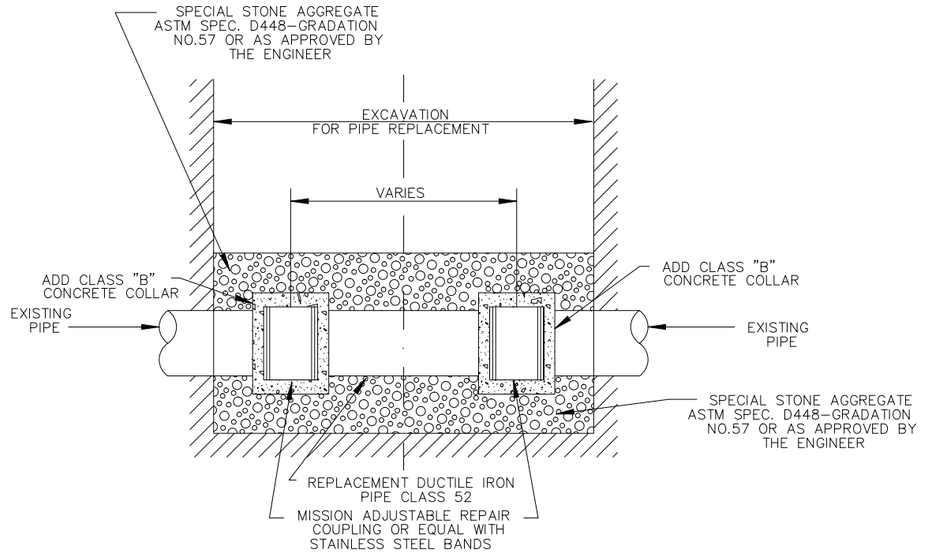


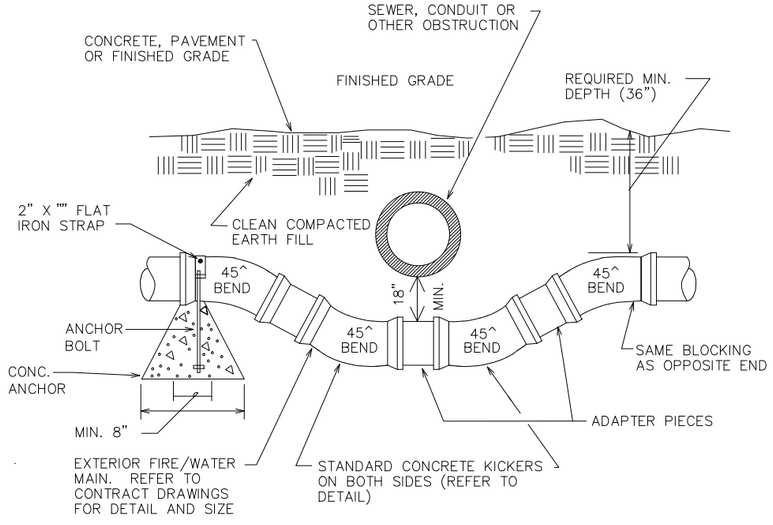
FOR GRASSED AREAS FOR PAVED AREAS

TYPICAL WATER LINE TRENCH

1 | TYPICAL WATER LINE TRENCH



2 | MAINLINE POINT REPAIR



WATER LINE CROSSING UNDER OBSTRUCTIONS

3 | WATER LINE CROSSING UNDER OBSTRUCTIONS

AS-BUILT

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NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	8-07	MF	SJ	AS-BUILT DRAWING

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PROJ. CHECK: N. COOPER

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

OUTSIDE PIPING DETAILS 6

CIVIL NOVEMBER 2004

JOB 036202040
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CADD FILE czetp039.dwg
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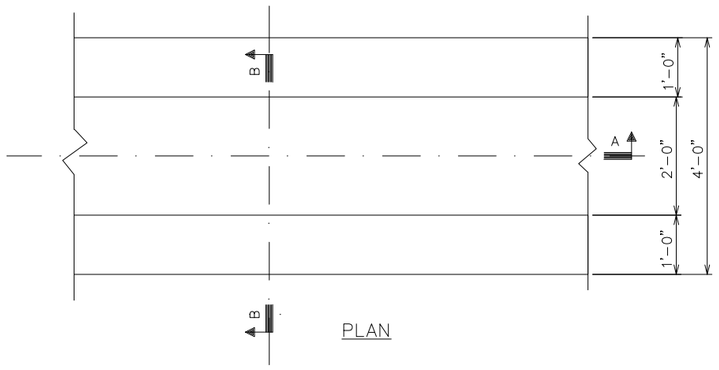
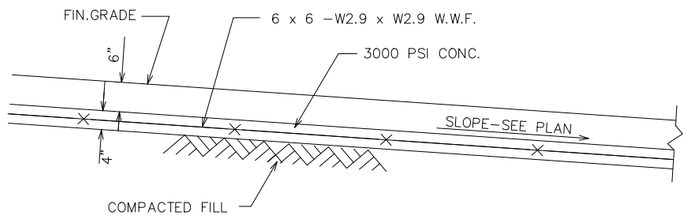


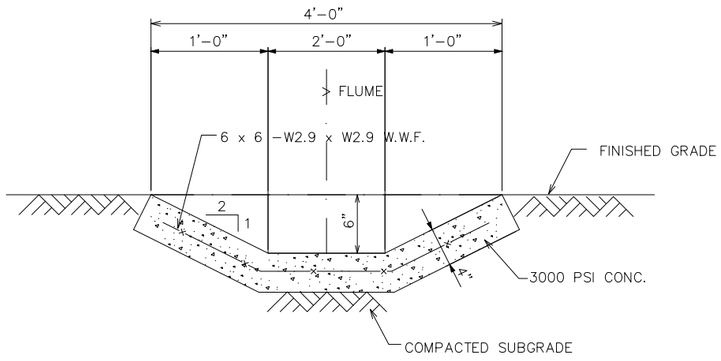
PLAN



NOTE

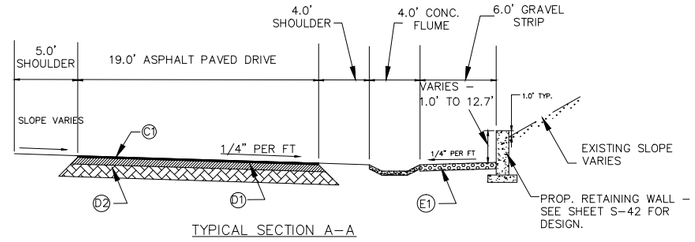
CONC. FLUME SHALL HAVE 0.5" BITUMINOUS PREFORMED EXPANSION JOINTS SPACED AT 20' C/C, CONTROL JOINTS @ 10' C/C

SECTION A–A



SECTION B–B

CONCRETE FLUME DETAILS

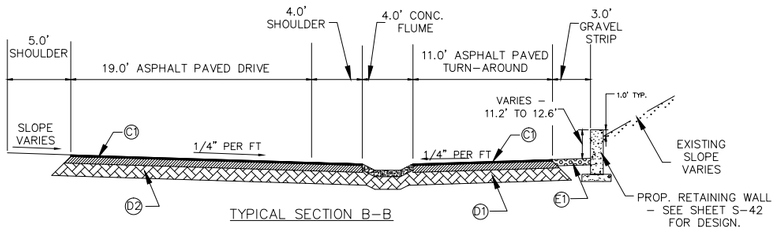


TYPICAL SECTION A–A

DRIVE BEHIND SEDIMENTATION BASIN NO. 1

PAVING SCHEDULE

- (C1) PROP. 3.0" GEORGIA DOT TYPE F ASPHALTIC CONCRETE SURFACE COURSE.
- (D1) PROP. 8.0" GEORGIA DOT GRADED AGGREGATE BASE COMPACTED TO 98 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.
- (D2) 6" SUBBASE (NATURAL GROUND) COMPACTED TO 98 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.
- (E1) PROP. 6" #57 WASHED CLEAN STONE GRAVEL COMPACTED TO 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.



TYPICAL SECTION B–B

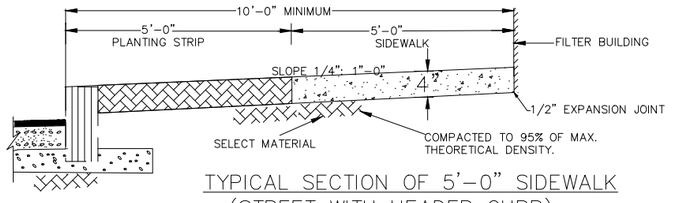
DRIVE BEHIND SEDIMENTATION BASIN NO. 1 @ TURNAROUND

PAVING SCHEDULE

- (C1) PROP. 3.0" GEORGIA DOT TYPE F ASPHALTIC CONCRETE SURFACE COURSE.
- (D1) PROP. 8.0" GEORGIA DOT GRADED AGGREGATE BASE COMPACTED TO 98 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.
- (D2) 6" SUBBASE (NATURAL GROUND) COMPACTED TO 98 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.
- (E1) PROP. 6" #57 WASHED CLEAN STONE GRAVEL COMPACTED TO 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.

PAVING MATERIALS AND PROCEDURES SHOULD CONFORM TO THE LATEST EDITION OF THE GEORGIA DOT "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES".

2 | DRIVE BEHIND SEDIMENTATION BASIN

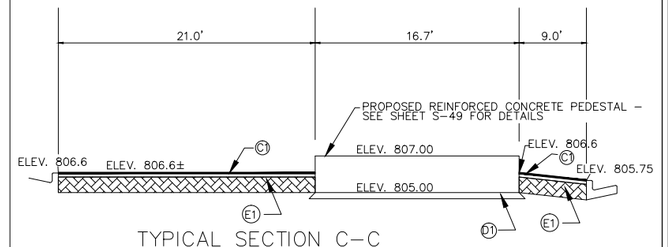


TYPICAL SECTION OF 5'–0" SIDEWALK (STREET WITH HEADER CURB)

NOTE:
1/2" PREMOULDED EXPANSION JOINT AT DRIVEWAYS, CURBS ETC. SIDEWALK CUT AT 5'–0" INTERVALS 1 1/2" GROOVES.

NOTE:
SIDEWALK TO BE CONSTRUCTED OF CLASS "A"–3000 P.S.I. CONCRETE.

NOTE:
MATERIAL OF 95 / CU. FT. OR BETTER IS SELECT MATERIAL. ALL EXPOSED UNPAVED AREAS ARE ADDRESSED ON EROSION AND SEDIMENTATION CONTROL PLANS

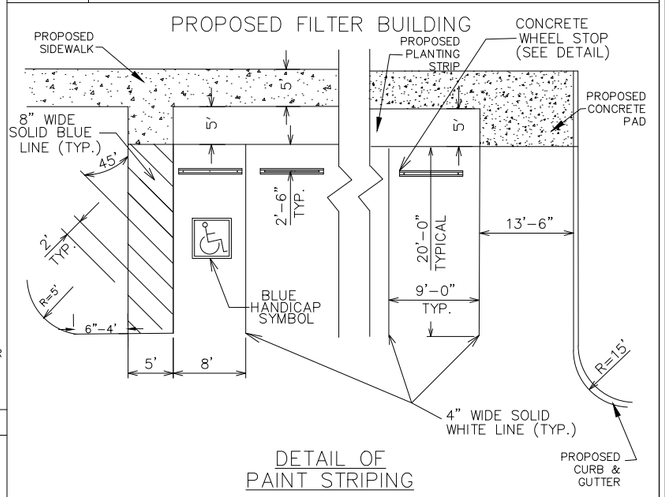


TYPICAL SECTION C–C
LOOKING NORTH
ELECTRICAL PAD
NORTH OF CHEMICAL
BUILDING

PAVING SCHEDULE

- (C1) PROP. 4" CONCRETE
- (D1) PROP. 6" CRUSHED AGGREGATE BASE - COMPACTED TO 95% MODIFIED PROCTOR DENSITY
- (E1) COMPACTED SUBBASE - 95% MODIFIED PROCTOR DRY DENSITY

3 | PROPOSED CONCRETE PAD



DETAIL OF PAINT STRIPING

N.T.S.

NOTES:

1. TOTAL PARKING SPACES PROVIDED FOR 7 INCLUDING 1 HANDI–CAP.
2. PAVEMENT STRIPING & MARKINGS SHALL BE PAINTED WITH TRAFFIC PAINT AS CALLED FOR IN THE SPECIFICATIONS, AND SHALL BE APPLIED ACCORDING TO THE MFGR'S. RECOMMENDATIONS.
   - PARKING SPACE LINES SHALL BE 4" WIDE X 20' LONG.
   - PAINTED ISLAND DIAGONAL LINES SHALL BE 8" WIDE AND SPACED 2'–0" O.C. THE OUTLINE, (OUTSIDE LINE) OF THE ISLAND SHALL BE 4" WIDE.

5 | DETAILS OF PAINT STRIPING

AS-BUILT

USI INFRASTRUCTURE, INC.
Consulting Engineers

1 | CONCRETE FLUME DETAILS

4 | STANDARD SIDEWALK SECTION

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	8-07	MF	SJ	AS-BUILT DRAWING

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

CIVIL SECTIONS & DETAILS 1

CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE czetp040.dwg
SHEET C–40

PLOT DATE: April 10, 2015 @ 10:23:10 am
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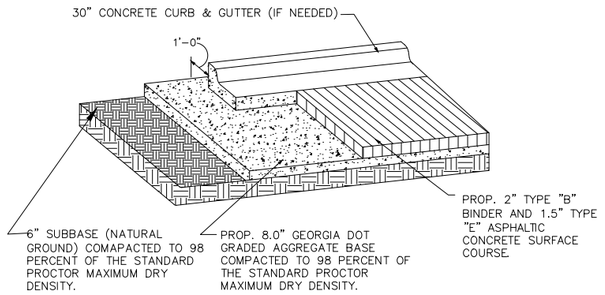
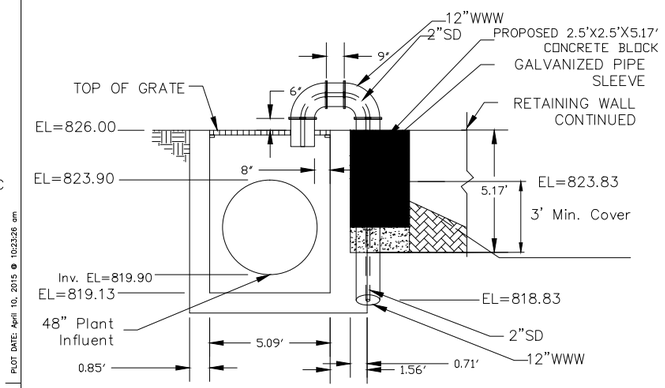


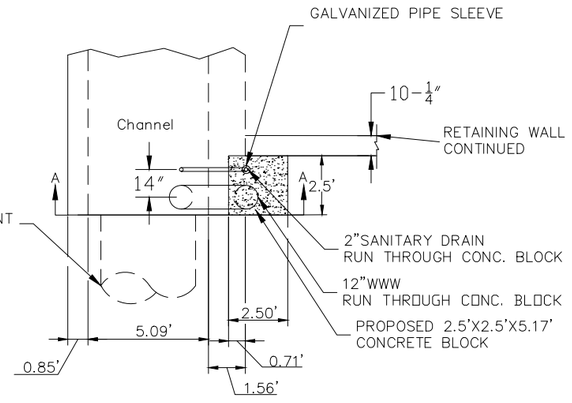
PAVING MATERIALS AND PROCEDURES SHOULD CONFORM TO THE LATEST EDITION OF THE GEORGIA DOT "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES".

1 | STREET PAVEMENT SECTION



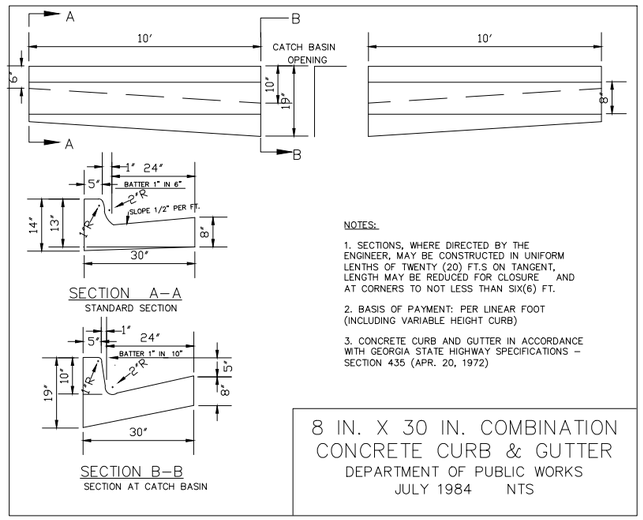
SECTION A–A

NOTE: ALL ELEVATIONS ARE APPROXIMATE



PIPING SHOULD HAVE 3" MINIMUM OF CONCRETE COVER ON ALL SIDES WITHIN CONCRETE BLOCK.

4 | JUNCTION STRUCTURE

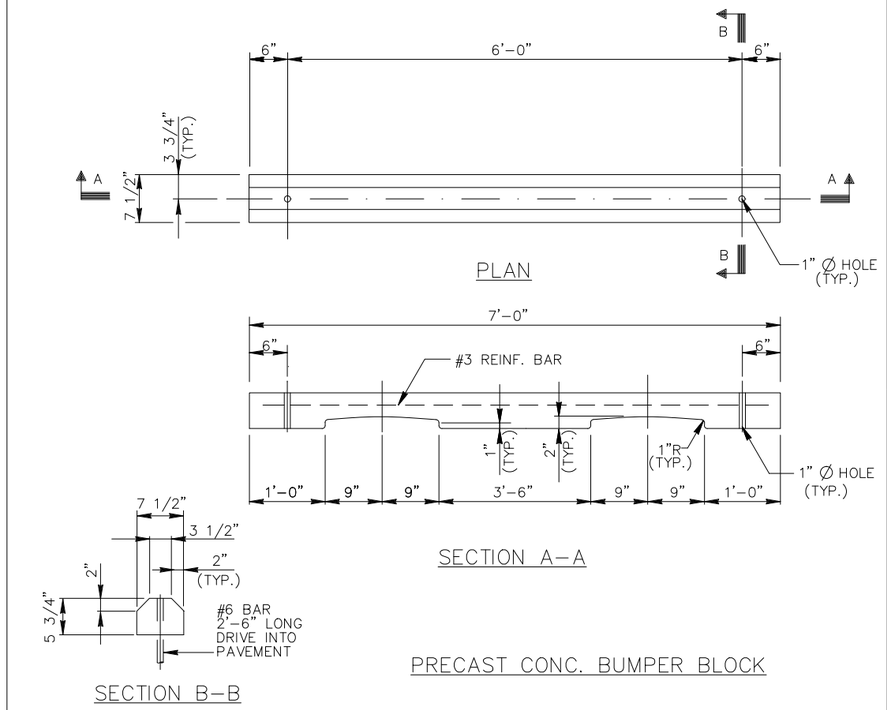


NOTES:

1. SECTIONS, WHERE DIRECTED BY THE ENGINEER, MAY BE CONSTRUCTED IN UNIFORM LENTHS OF TWENTY (20) FT.S ON TANGENT, LENGTH MAY BE REDUCED FOR CLOSURE AND AT CORNERS TO NOT LESS THAN SIX(6) FT.
2. BASIS OF PAYMENT: PER LINEAR FOOT (INCLUDING VARIABLE HEIGHT CURB)
3. CONCRETE CURB AND GUTTER IN ACCORDANCE WITH GEORGIA STATE HIGHWAY SPECIFICATIONS – SECTION 435 (APR. 20, 1972)

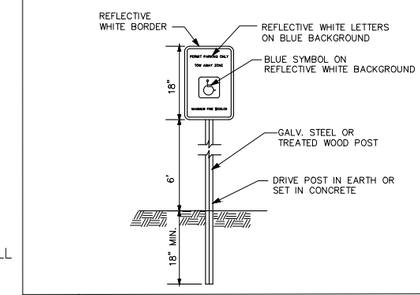
8 IN. X 30 IN. COMBINATION CONCRETE CURB & GUTTER
DEPARTMENT OF PUBLIC WORKS
JULY 1984 NTS

2 | 8"X30" COMBINATION CONCRETE CURB & GUTTER

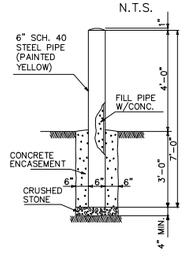


PRECAST CONC. BUMPER BLOCK

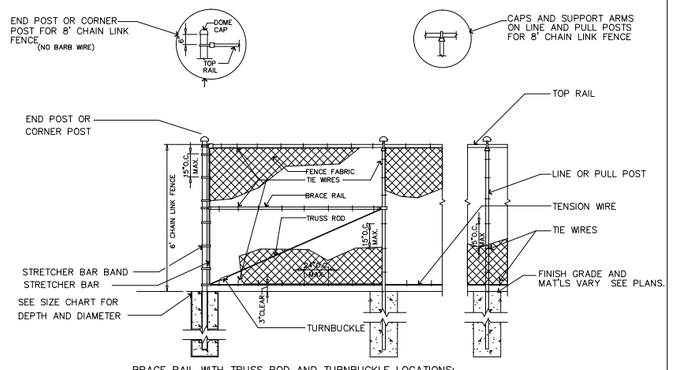
3 | PRECAST CONCRETE BUMPER BLOCK



5 | SIGN AT HANDICAP PARKING SPACE



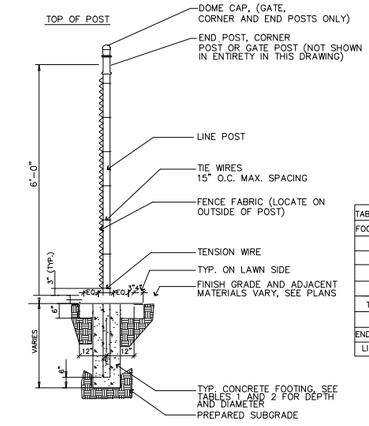
6 | GUARDPOST DETAIL



BRACE RAIL WITH TRUSS ROD AND TURNBUCKLE LOCATIONS:
1. BOTH SIDES OF CORNER POSTS
2. AT END POSTS
3. SUPPORT SIDE OF PULL POSTS
4. AT GATE POSTS

LINE ELEVATION

7 | 6' HIGH CHAIN LINK FENCE



END ELEVATION

TABLE 1: SHALLOW DEPTH FOOTINGS FOR CHAIN LINK FENCE

FOOTING DEPTH	FOOTING DIAMETER	POST EMBEDDED LENGTH
3'–6"	10"	3'–0"
3"–0"	14"	2'–6"
2'–6"	16"	2'–0"
2'–0"	19"	1'–6"

TABLE 2: TYPICAL FOOTINGS FOR CHAIN LINK FENCE

	FOOTING DEPTH	FOOTING DIAMETER
END, CORNER & PULL POSTS	48"	10" MIN.
LINE POSTS	42"	10" MIN.

NOTE:
WHERE UNDERGROUND OBSTRUCTION OTHER THAN ROCK OR LEDGE IS ENCOUNTERED, UTILIZE SHALLOW DEPTH FOOTINGS.

8 | 6' HIGH CHAIN LINK FENCE

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PROJ. CHECK: N. COOPER

SCALE: NOT TO SCALE

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CIVIL SECTIONS & DETAILS 2

CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE czetp041.dwg
SHEET C–41

PLOT DATE: April 10, 2015 @ 10:23:26 am
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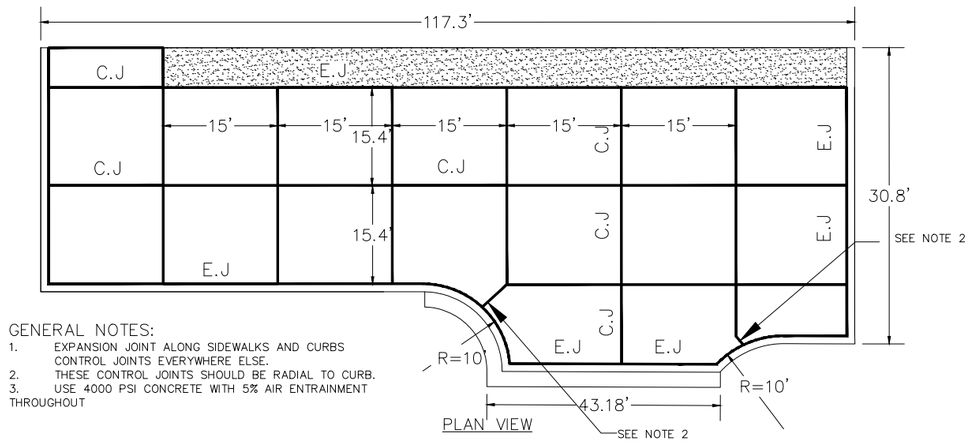
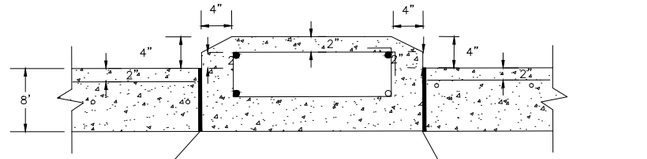


GENERAL NOTES:
1. EXPANSION JOINT ALONG SIDEWALKS AND CURBS CONTROL JOINTS EVERYWHERE ELSE.
2. THESE CONTROL JOINTS SHOULD BE RADIAL TO CURB.
3. USE 4000 PSI CONCRETE WITH 5% AIR ENTRAINMENT THROUGHOUT

PLAN VIEW

NOT TO SCALE

1 PROPOSED CONCRETE PAVEMENT ADJACENT TO PROPOSED FILTER BUILDING

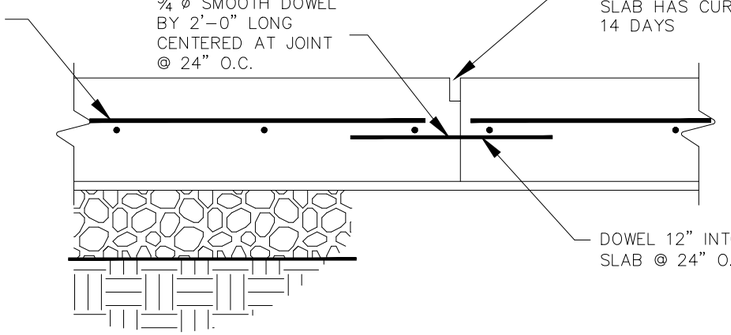


FURNISH AND INSTALL #3 BARS LONGITUDINALLY, SPACED EVENLY W/#3 HOOPS @ 12" O.C., WITH 2" CLEARANCE FROM THE TOP.

SECTION OF OIL CONTAINMENT CURB

NOT TO SCALE

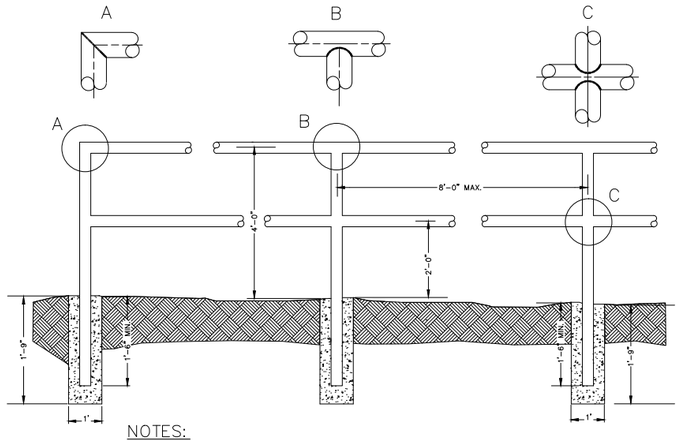
2 CONTAINMENT CURB



NOTES:
1) CONSTRUCTION JOINT MAY REPLACE CONTROL JOINT.
2) FILL JOINT WITH BACKER ROD AND SEALANT AFTER SLAB HAS BEEN CURED. RECESS SEALANT 1/4" BELOW TOP OF SLAB SURFACE.
3) USE 4000 PSI CONCRETE WITH 5% AIR ENTRAINMENT THROUGHOUT

NOT TO SCALE

3 CONTROL JOINT AND PAVEMENT DESIGN FOR CONCRETE PAVEMENT



NOTES:
1.ALL CONCRETE TO BE 3600 P.S.I. COMPRESSIVE STRENGTH.
2.TYPE OF PIPE TO BE USED IS 1-5/8" MAX. O.D. BLACK IRON, LOW CARBON PIPE.
3.ALL JOINTS TO HAVE A 1/2" FILLET WELD AT ALL JOINTS.
4.AFTER INSTALLATION PAINT ASSEMBLY WITH BLACK ALL WEATHER ENAMEL.

NOT TO SCALE

4 TYPICAL HANDRAIL

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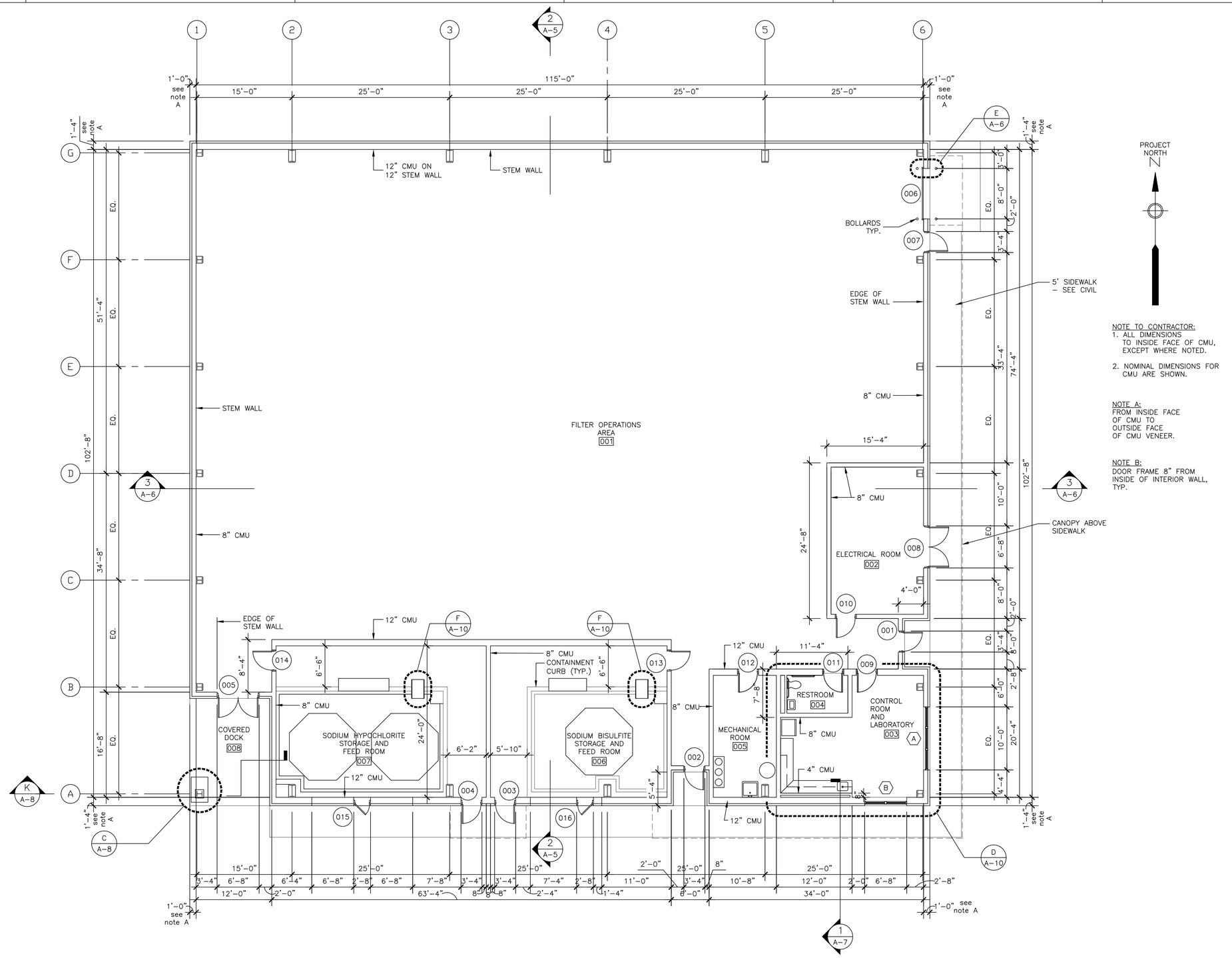
CIVIL SECTIONS & DETAILS 3

CIVIL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE czetp042.dwg
SHEET C-42

PLOT DATE: April 10, 2015 @ 10:23:41 am
PATH/FILENAME: G:\Mem\GABP4134 - CSO Group 1\3_DATA\v COA\08 EATP\Drawings\2008\ASBI (Working)\Civil\czetp042.dwg



AS-BUILT

ROSSINI ARCHITECTURE, Inc.
2035 MANCHESTER ST.
ATLANTA, GA. 30324-2226.
T/ 404.888.9926
F/ 404.888.9928
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SCALE: 1/8"=1'-0" (0 4 8 12 16 20 24 SCALE FEET)

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FILTER BUILDING
FLOOR PLAN

ARCHITECTURAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE AZETP001.dwg
SHEET A-1

PLOT DATE: July 31, 2014 @ 02:53:35 pm
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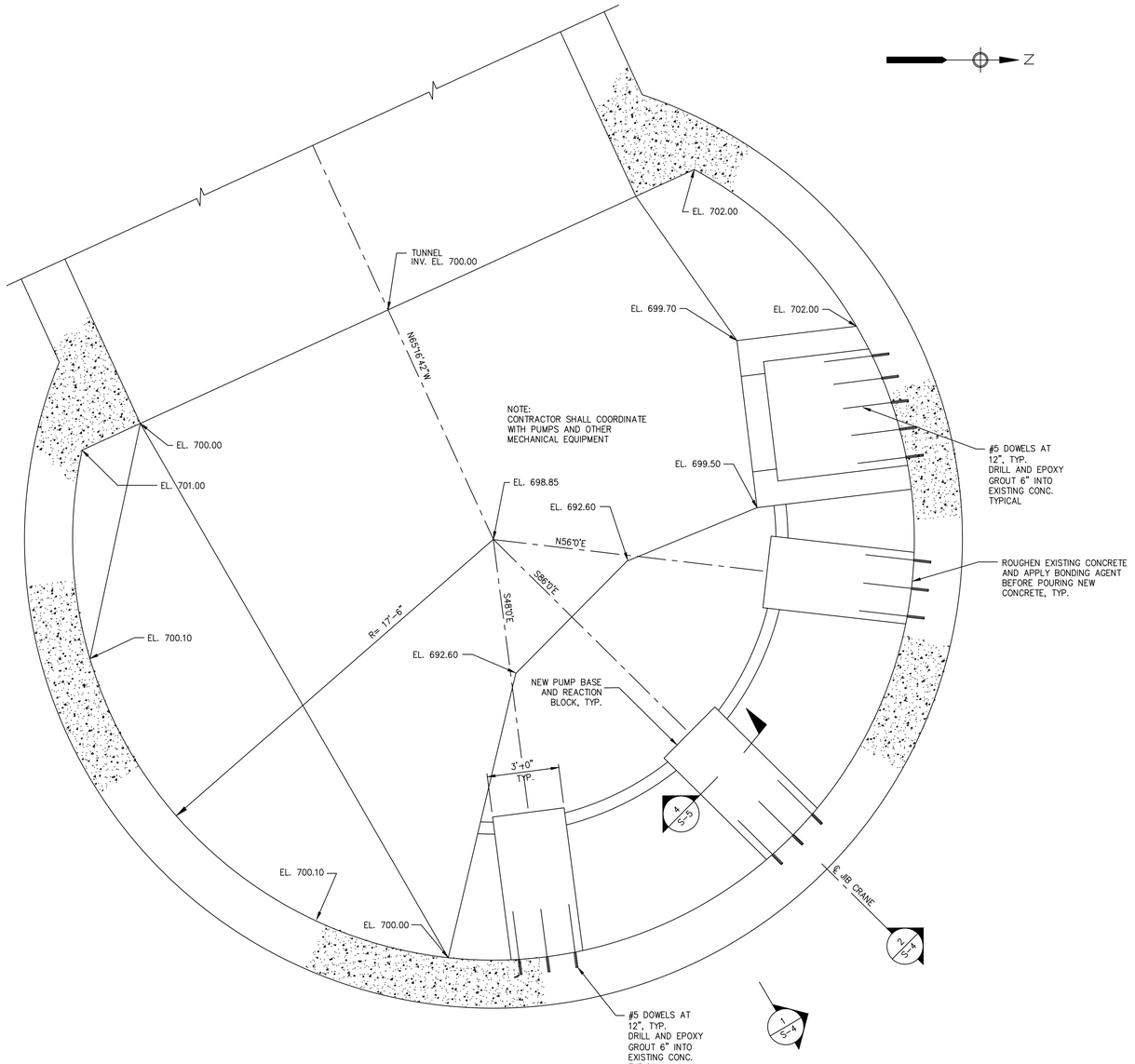

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SCALE:
3/8"=1'-0"
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SCALE FEET

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TUNNEL PUMPING STATION MODIFICATIONS
BASE PLAN

NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE SZETP002.dwg

SHEET S-2

PLOT DATE: August 04, 2014 @ 07:36:18 cm

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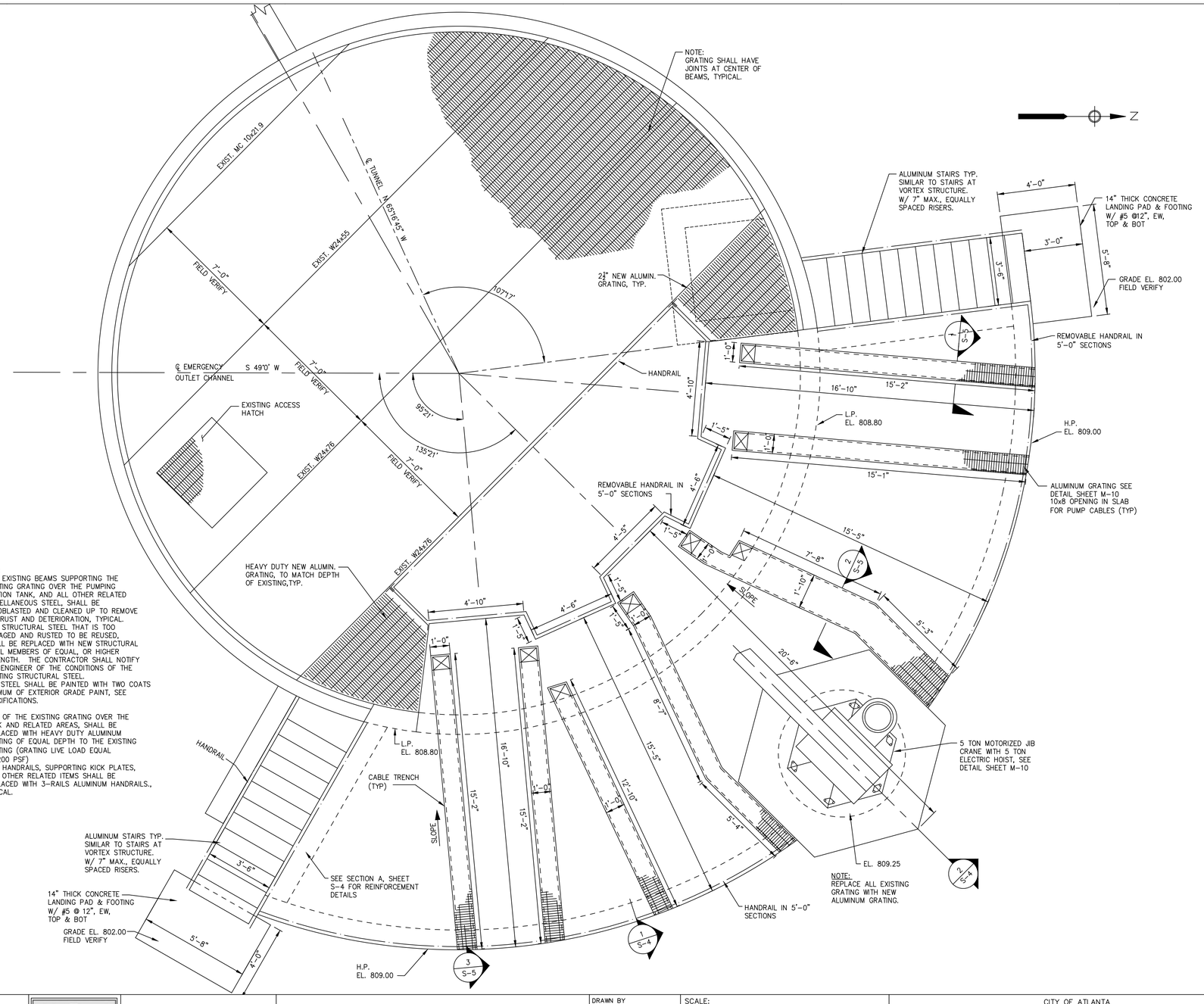

NOTES:
1. THE EXISTING BEAMS SUPPORTING THE EXISTING GRATING OVER THE PUMPING STATION TANK, AND ALL OTHER RELATED MISCELLANEOUS STEEL, SHALL BE SANDBLASTED AND CLEANED UP TO REMOVE ALL RUST AND DETERIORATION, TYPICAL. ANY STRUCTURAL STEEL THAT IS TOO DAMAGED AND RUSTED TO BE REUSED, SHALL BE REPLACED WITH NEW STRUCTURAL STEEL MEMBERS OF EQUAL, OR HIGHER STRENGTH. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE CONDITIONS OF THE EXISTING STRUCTURAL STEEL. THE STEEL SHALL BE PAINTED WITH TWO COATS MINIMUM OF EXTERIOR GRADE PAINT, SEE SPECIFICATIONS.
2. ALL OF THE EXISTING GRATING OVER THE TANK AND RELATED AREAS, SHALL BE REPLACED WITH HEAVY DUTY ALUMINUM GRATING OF EQUAL DEPTH TO THE EXISTING GRATING (GRATING LIVE LOAD EQUAL TO 200 PSF)
3. ALL HANDRAILS, SUPPORTING KICK PLATES, AND OTHER RELATED ITEMS SHALL BE REPLACED WITH 3-RAILS ALUMINUM HANDRAILS., TYPICAL.

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N. COOPER

SCALE:
3/8"=1'-0"
0 2 4 6 8
SCALE FEET

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INTRENCHMENT CREEK CSO TREATMENT PLANT

TUNNEL PUMPING STATION MODIFICATIONS
TOP PLAN

STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
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SHEET S-3

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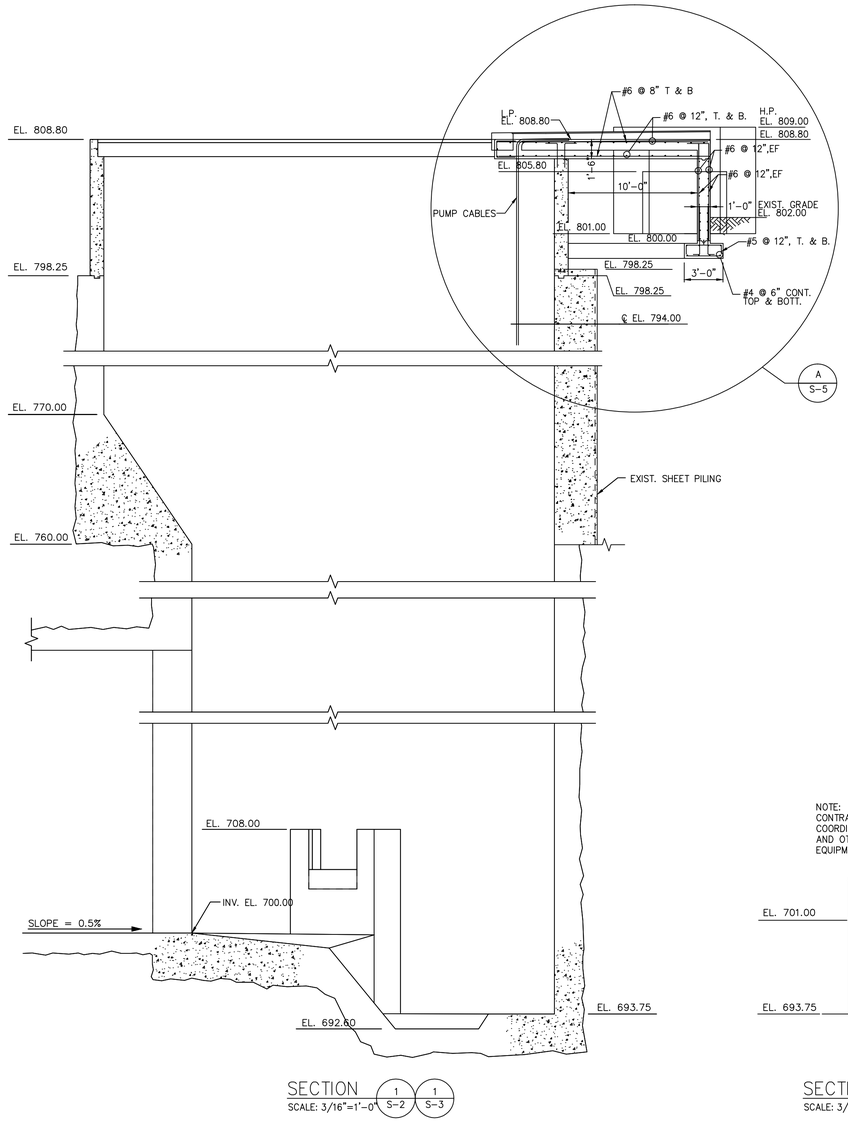
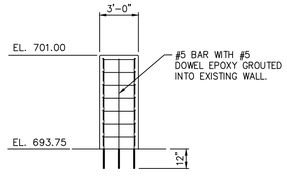


SECTION 1 S-2 / 1 S-3
SCALE: 3/16"=1'-0"

NOTE:
CONTRACTOR SHALL
COORDINATE WITH PUMPS
AND OTHER MECHANICAL
EQUIPMENT



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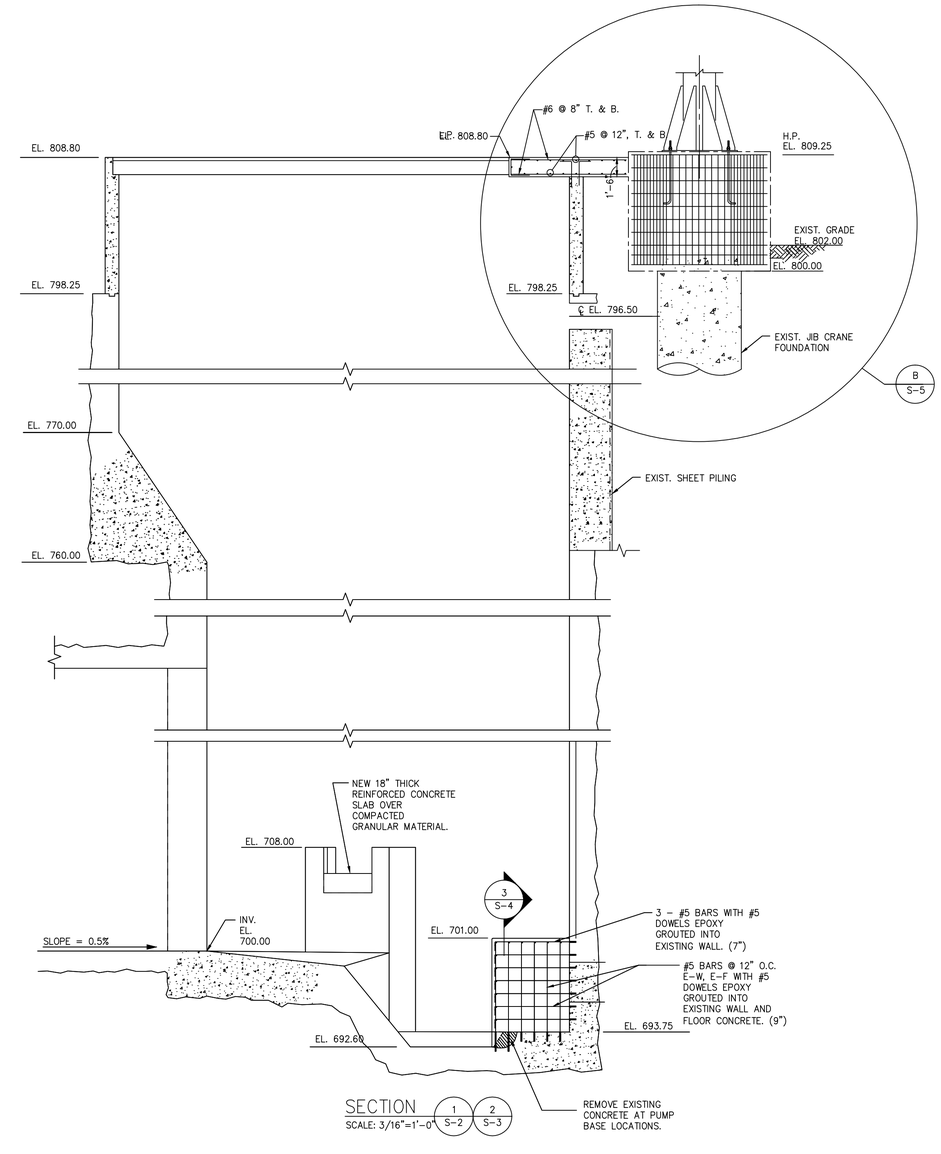

SECTION 1 S-2 / 2 S-3
SCALE: 3/16"=1'-0"

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SCALE:
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TUNNEL PUMPING STATION MODIFICATIONS
SECTIONS

STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
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PLOT DATE: August 04, 2014 @ 07:35:06 am
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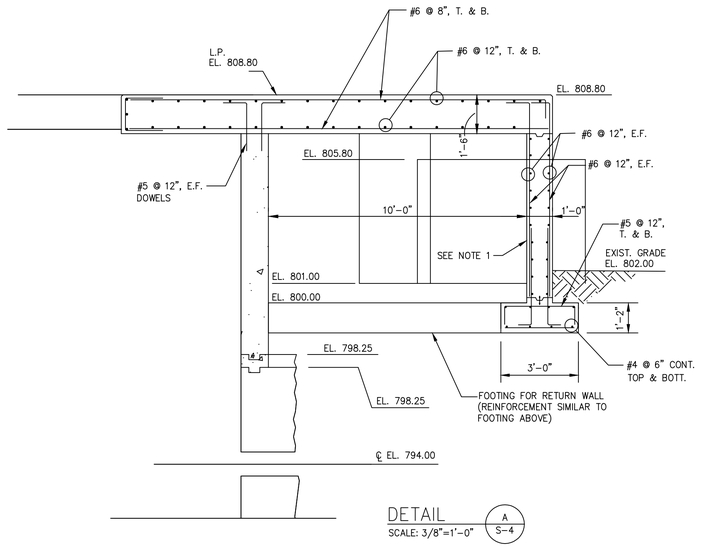
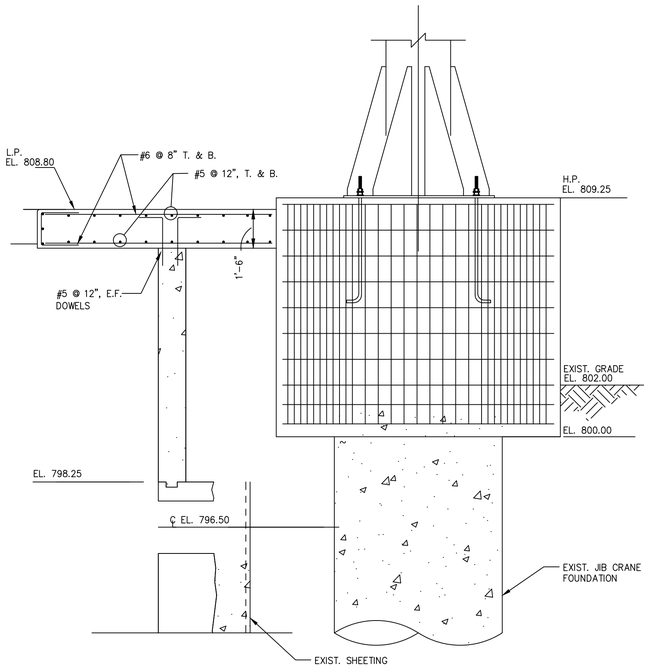


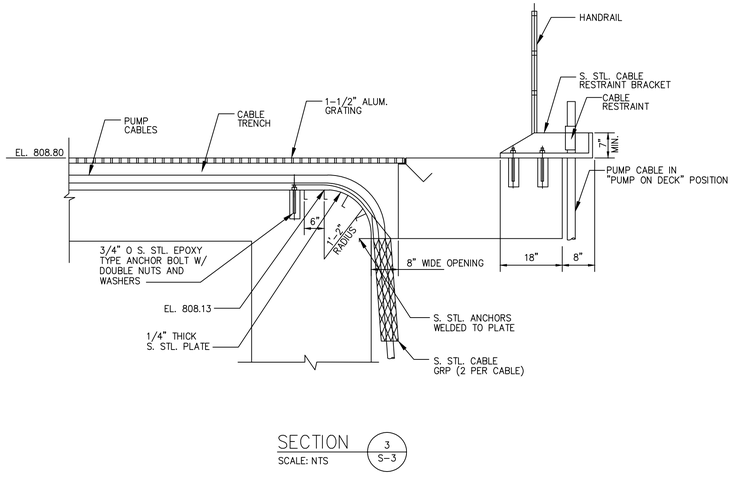
DETAIL A S-4
SCALE: 3/8"=1'-0"

NOTES:

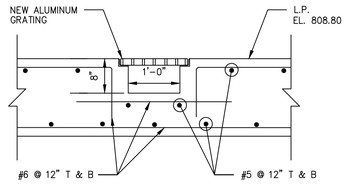
1. STRUCTURAL DETAILS FOR END WALLS, (NEAR STEPS) SIMILAR.



DETAIL B S-4
SCALE: NTS



SECTION 3 S-3
SCALE: NTS



SECTION 1 S-3
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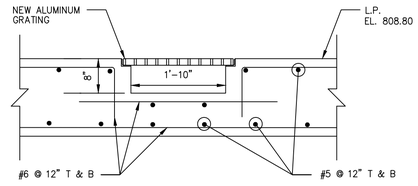

SECTION 2 S-3
SCALE: 3/4"=1'-0"

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SCALE:
0 2 4 6 8
3/8"=1'-0"
SCALE FEET

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PUMP STATION
SECTIONS

STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP005.dwg
SHEET S-5

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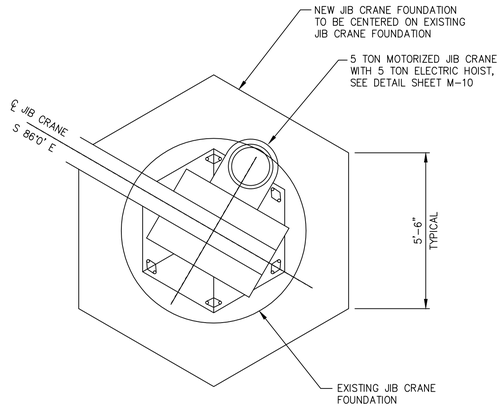
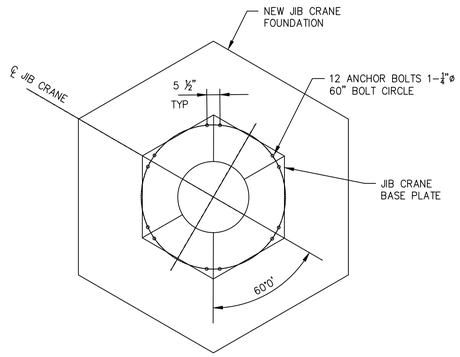
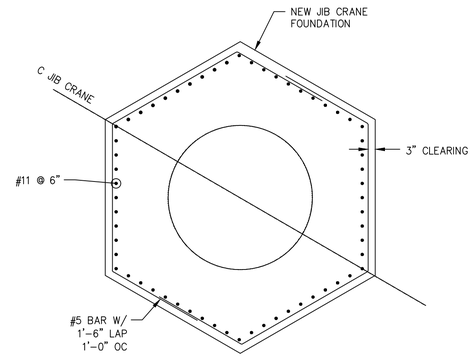


PUMP STATION JIB CRANE FOUNDATION PLAN



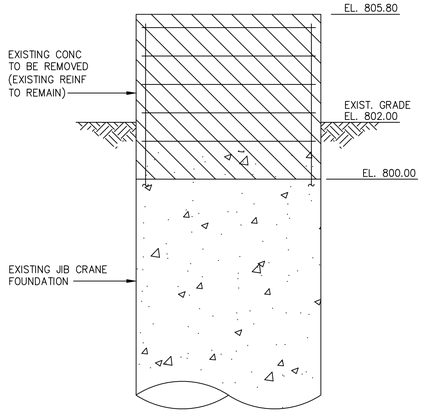
PUMP STATION JIB CRANE ANCHOR BOLT LAYOUT



PUMP STATION JIB CRANE REINFORCEMENT LAYOUT

NOTES:

1. ANCHOR BOLTS SHALL BE L-SHAPED AND INSTALLED (SET) WITH NEW CONCRETE.
2. DRILLING OF NEW CONCRETE TO PLACE THE ANCHOR BOLTS WILL NOT BE ALLOWED.
3. EXISTING REINFORCEMENT TO BE CLEANED AFTER THE EXISTING CONCRETE HAS BEEN REMOVED.



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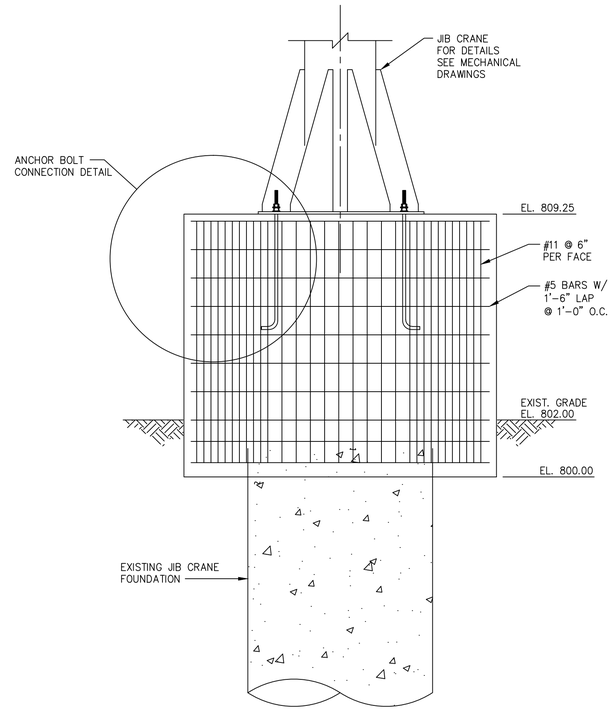
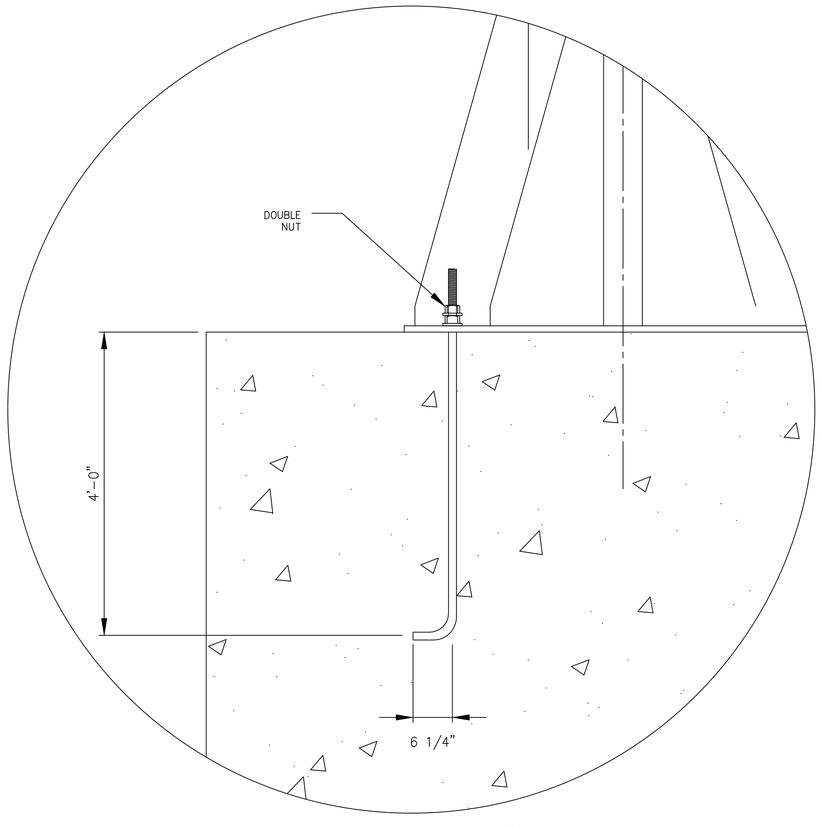


MODIFICATIONS



CONNECTION DETAIL
SCALE: 1/2" = 1'-0"

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DRAWN BY

DEPT. CHECK

PROJ. CHECK
N. COOPER

SCALE:
3/8"=1'-0"
0 2 4 6 8
SCALE FEET

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TUNNEL PUMPING STATION MODIFICATIONS
JIB CRANE PLAN & SECTIONS

STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP006.dwg
SHEET S-6

PLOT DATE: July 31, 2014 @ 04:42:18 pm
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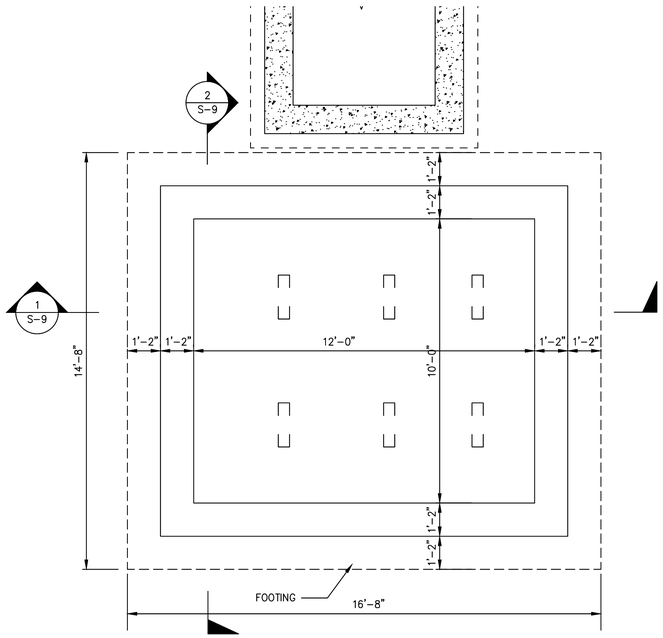
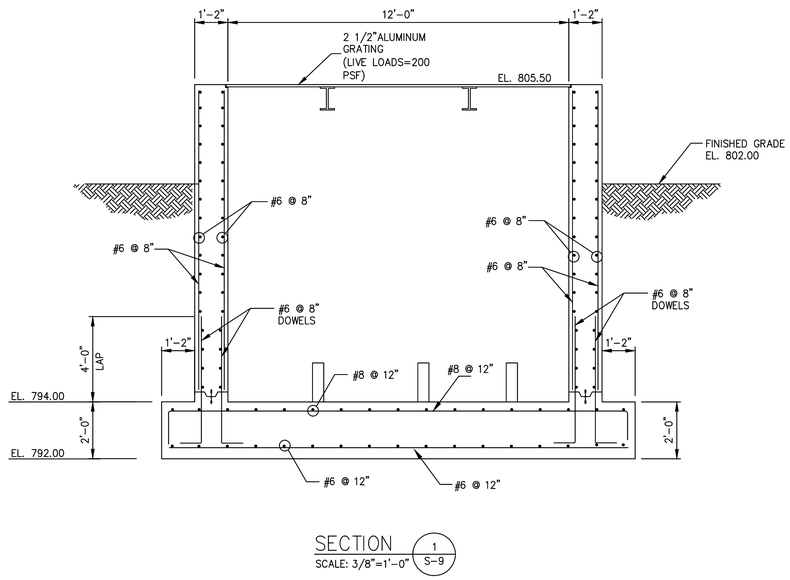


NEW VALVE & METER VAULT
FOOTING PLAN
SCALE: 3/8"=1'-0"



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SCALE: 3/8"=1'-0"
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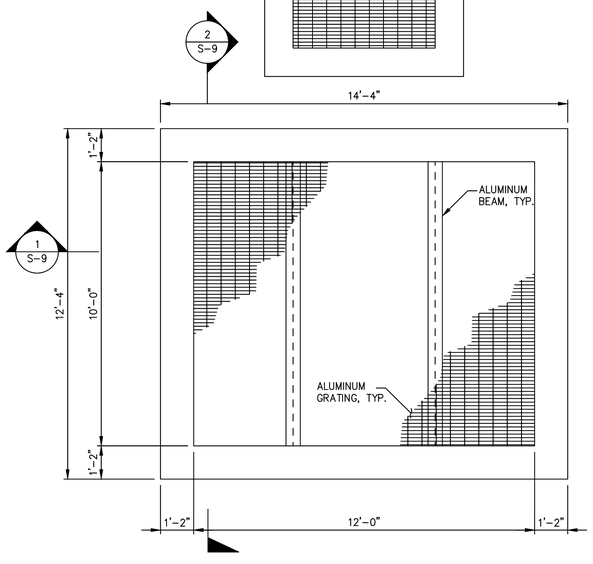
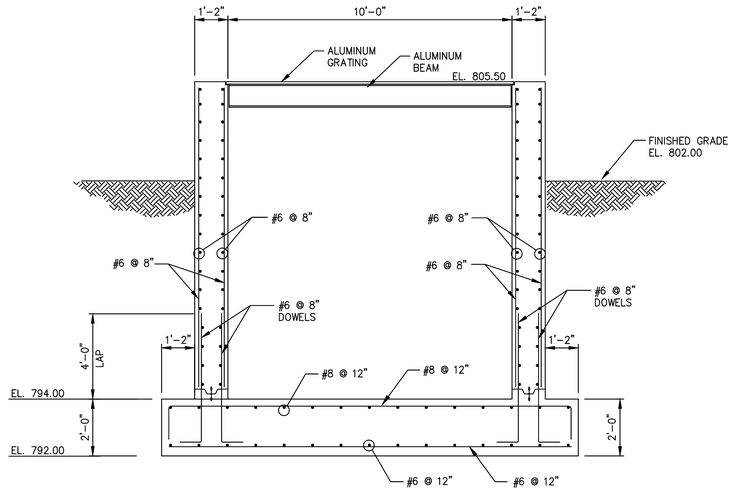
S-9



NEW VALVE & METER VAULT
TOP PLAN
SCALE: 3/8"=1'-0"



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2
S-9

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
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PROJ. CHECK
N. COOPER

SCALE:
3/8"=1'-0"
0 2 4 6 8
SCALE FEET

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

NEW VALVE & METER VAULT
PLANS & SECTIONS

STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
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SHEET S-9

PLOT DATE: July 31, 2014 @ 04:42:47 pm
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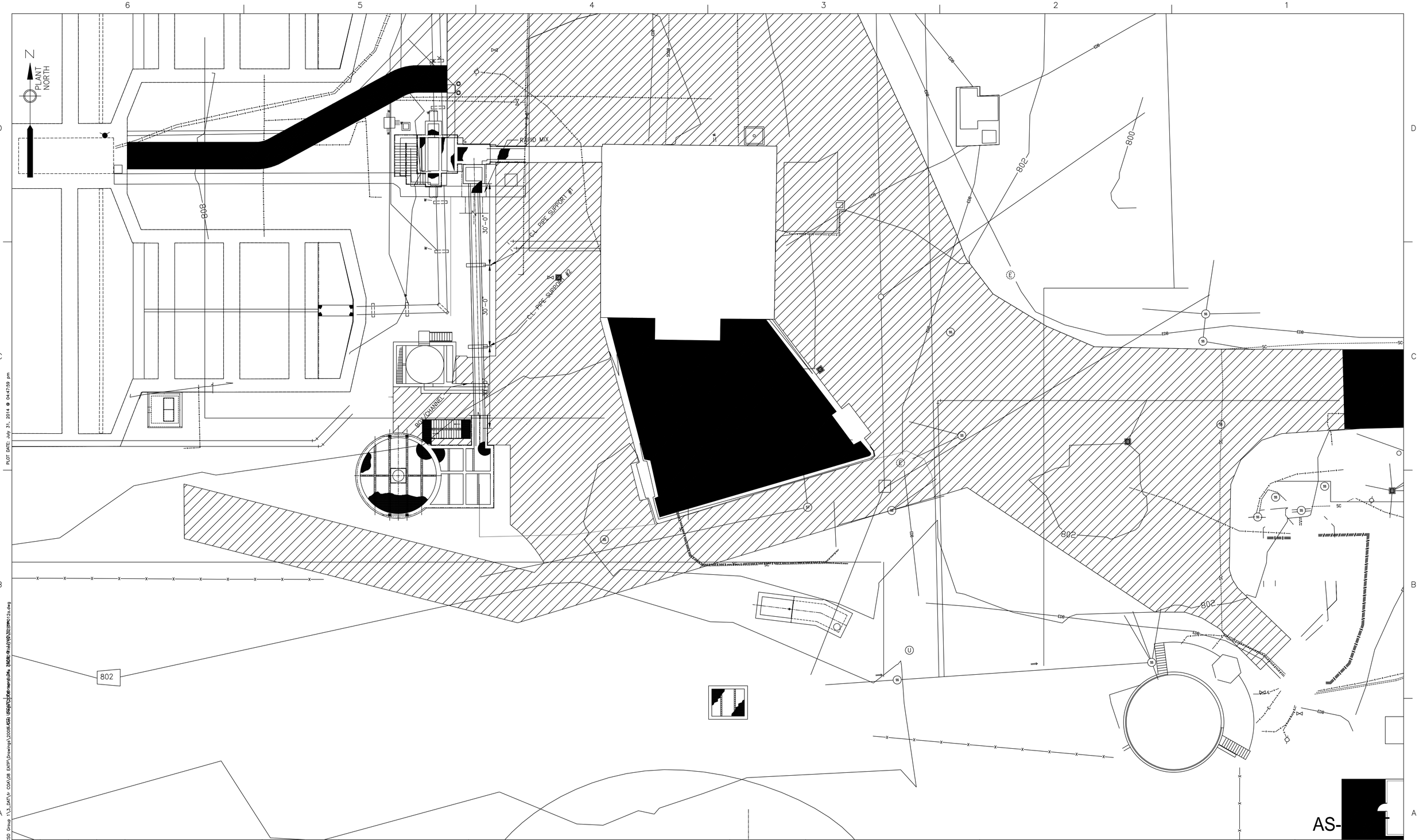

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

City of Atlanta
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PROJ. CHECK
N. COOPER

SCALE:
1/16"=1'-0"
0 16 32 48
SCALE FEET

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

OVERHEAD CHANNEL PLAN

STRUCTURAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP012a.dwg
SHEET S-12

PLOT DATE: July 31, 2014 @ 04:47:59 pm
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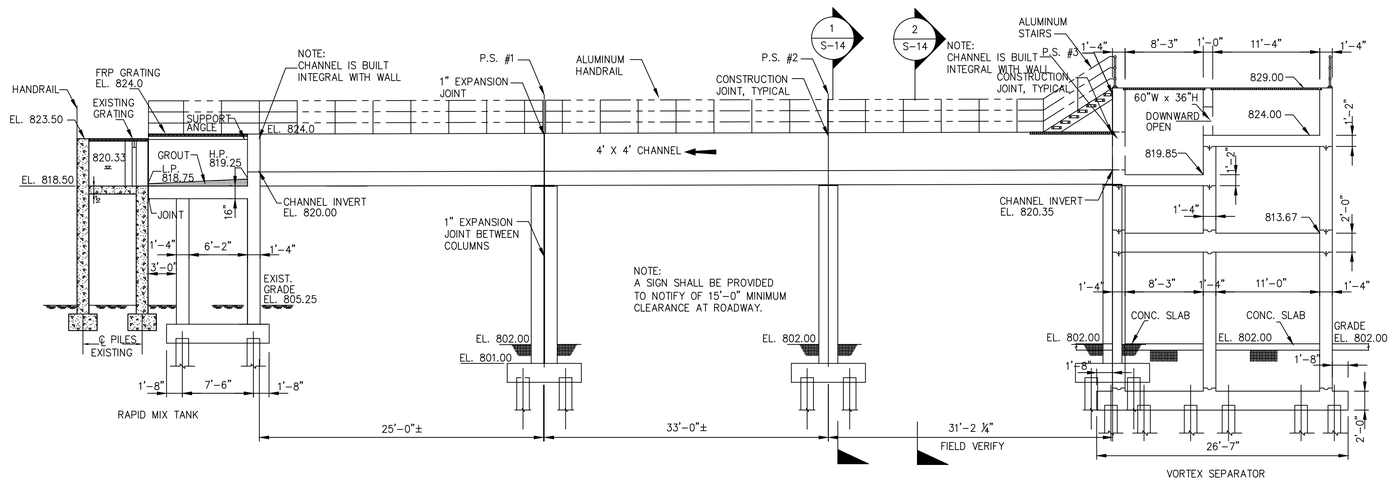
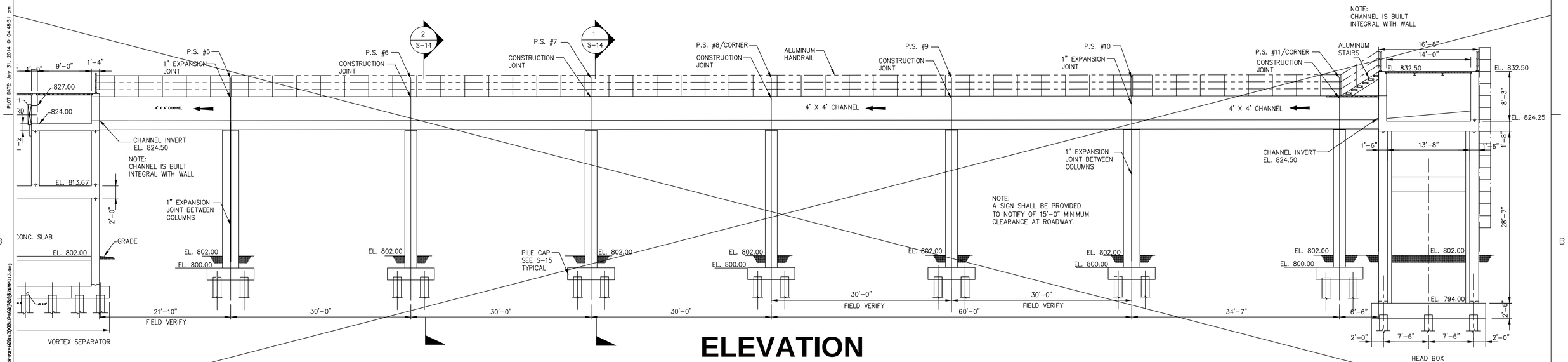


ELEVATION – OVERHEAD CHANNEL



ELEVATION DELETED

ELEVATION – OVERHEAD CHANNEL

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

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DEPT. CHECK

PROJ. CHECK N. COOPER

SCALE: 1/8"=1'-0" (0 4 8 12 16 20 24 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

OVERHEAD CHANNEL ELEVATIONS

STRUCTURAL NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE SZETP013.dwg

SHEET S-13

PLOT DATE: July 31, 2014 @ 04:48:31 pm
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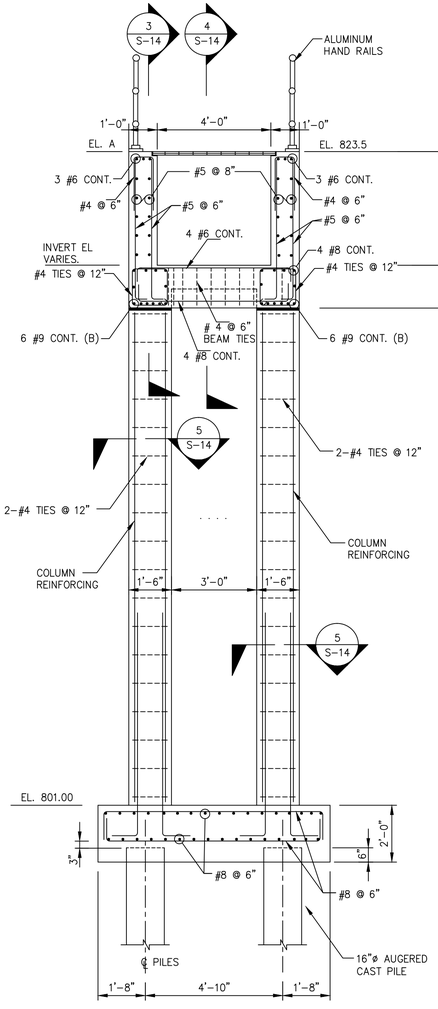
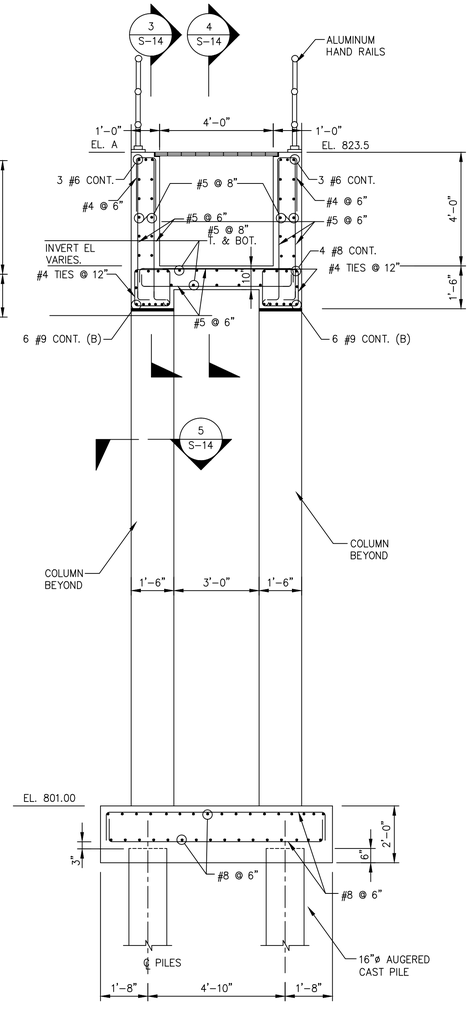
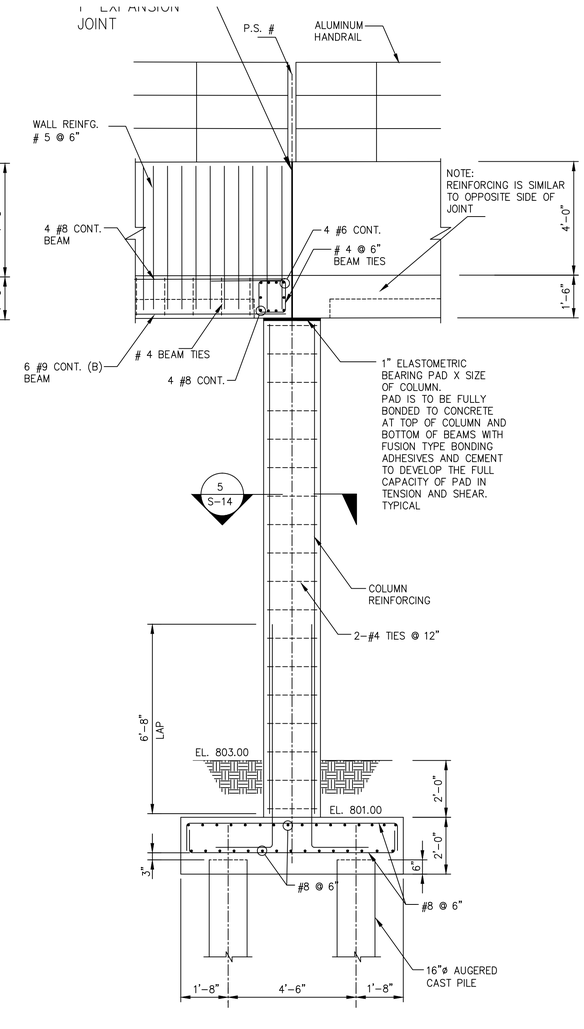


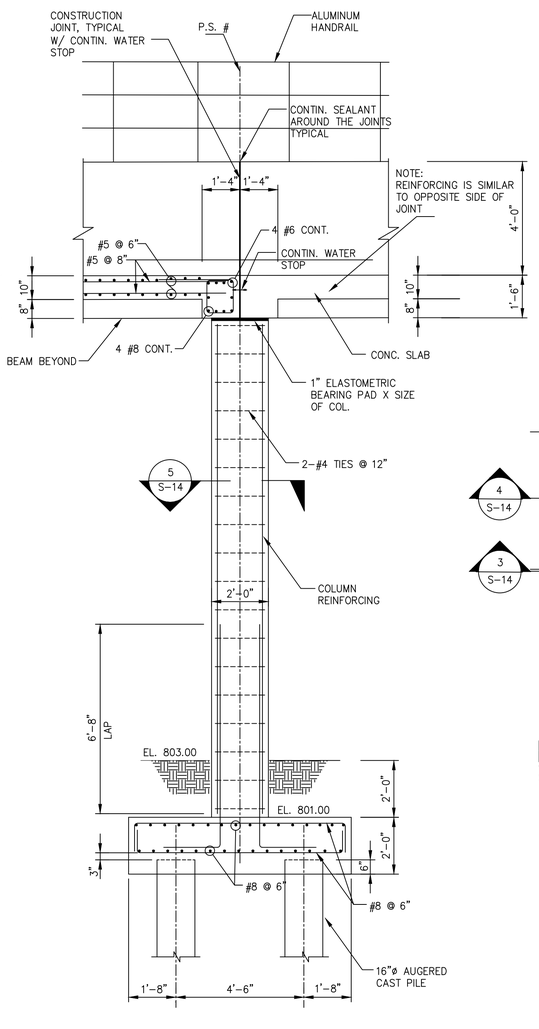
SECTION
SCALE: 3/8" = 1'-0"
1 S-13 / 1 S-14



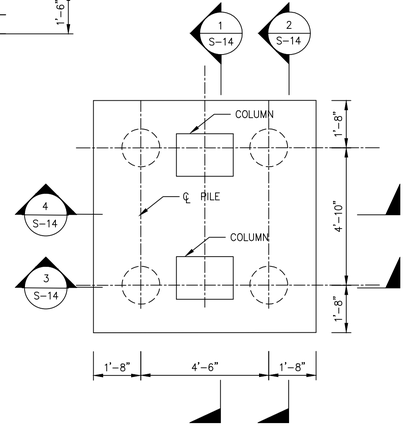
SECTION
SCALE: 3/8" = 1'-0"
2 S-13 / 2 S-14



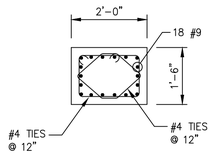
SECTION
SCALE: 3/8" = 1'-0"
3 S-14



SECTION
SCALE: 3/8" = 1'-0"
4 S-14



FOUNDATION PLAN
SCALE: 3/8" = 1'-0"



SECTION
SCALE: 1/2" = 1'-0"
5 S-14

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. DATE

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DEPT. CHECK

PROJ. CHECK
N. COOPER

SCALE:
3/8"=1'-0"
0 2 4 6 8
SCALE FEET

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

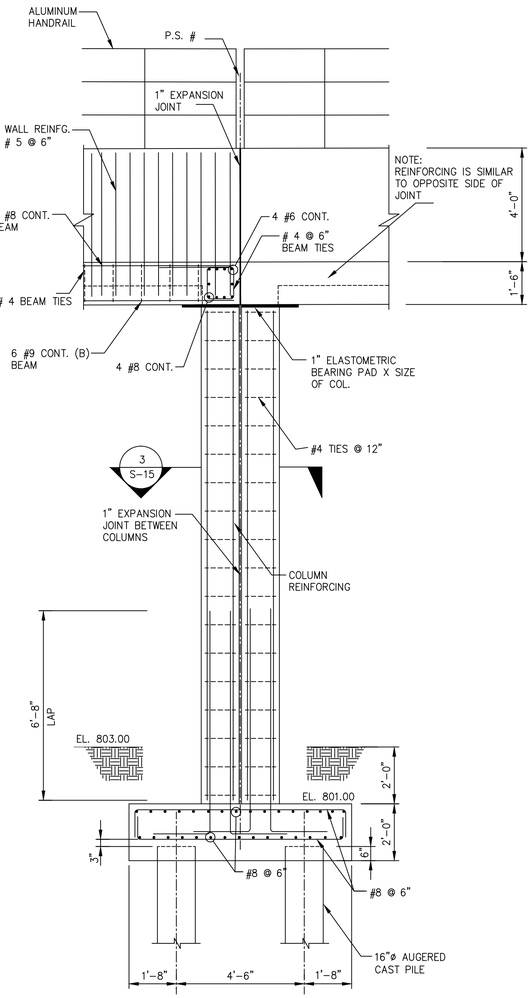
CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

OVERHEAD CHANNEL SECTIONS

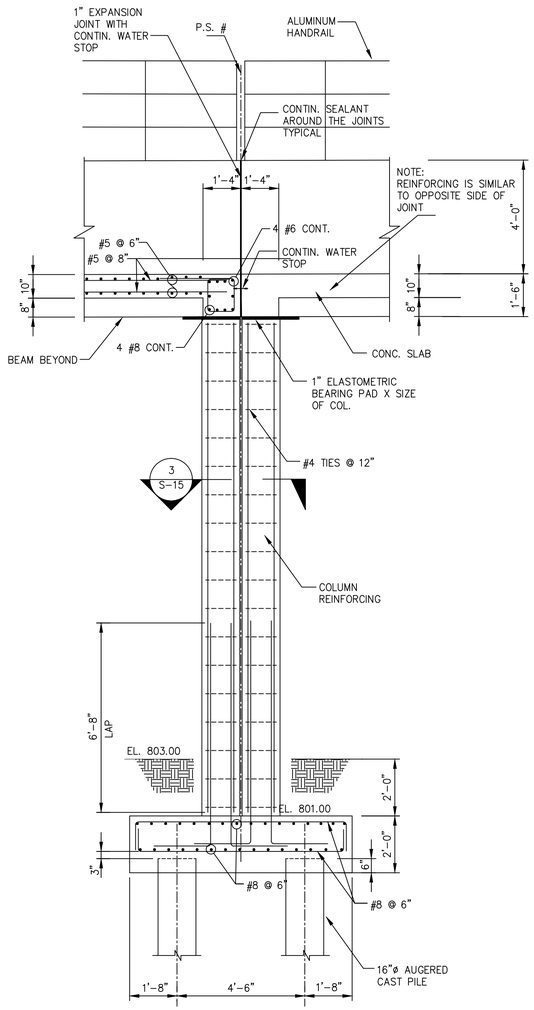
STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP014.dwg
SHEET S-14

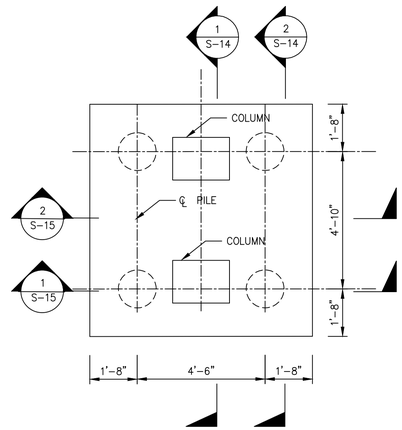
PATH/FILENAME: G:\Wwm\GABP\134 - CSO Group 1\3_DAT\Fr CGA\08 EATP\Drawings\2008-456 OVERALL\Sheet\2008456 overall S14 SZETP014.dwg
PLOT DATE: July 31, 2014 @ 04:48:55 pm



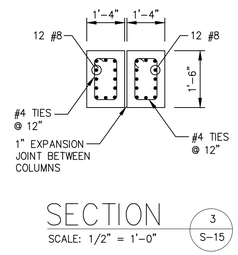
SECTION
SCALE: 3/8" = 1'-0"
1 S-15



SECTION
SCALE: 3/8" = 1'-0"
2 S-15



FOUNDATION PLAN
AT EXPANSION JOINT
SCALE: 3/8" = 1'-0"



SECTION
SCALE: 1/2" = 1'-0"
3 S-15

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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N. COOPER

SCALE:
0 2 4 6 8
3/8"=1'-0"
SCALE FEET

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

OVERHEAD CHANNEL SECTIONS

STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP015.dwg
SHEET S-15

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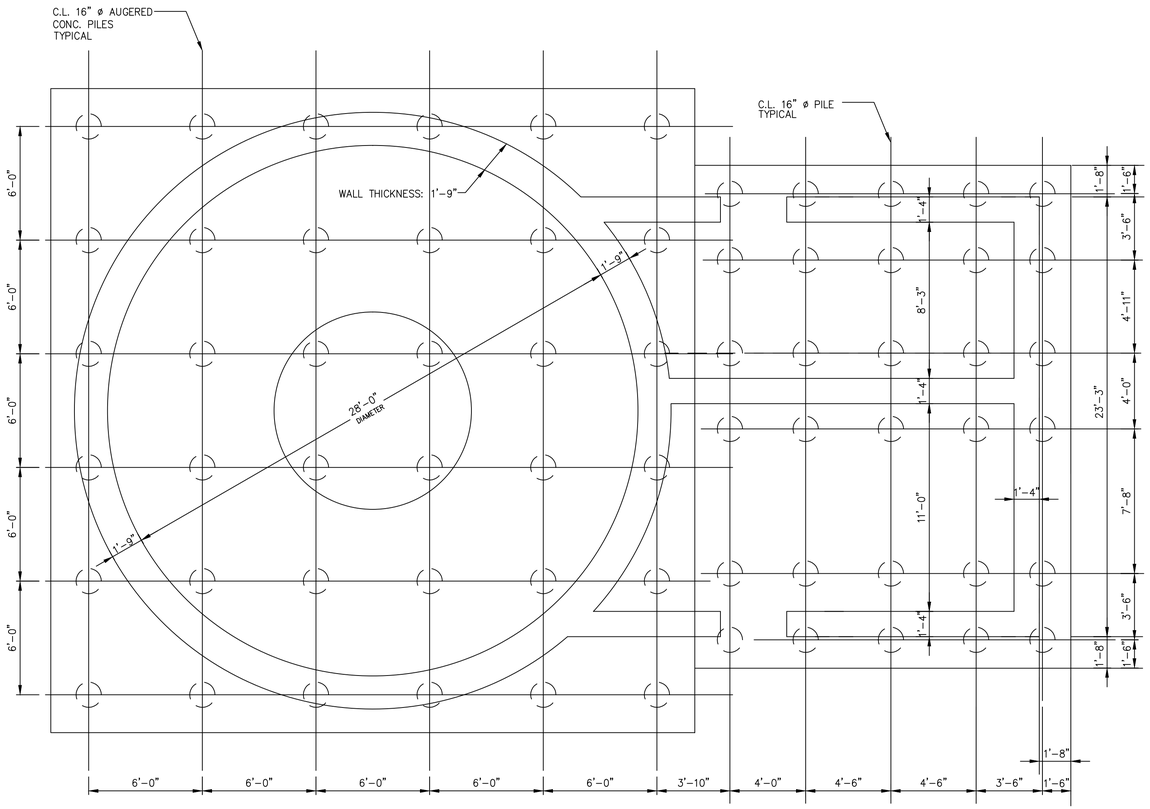


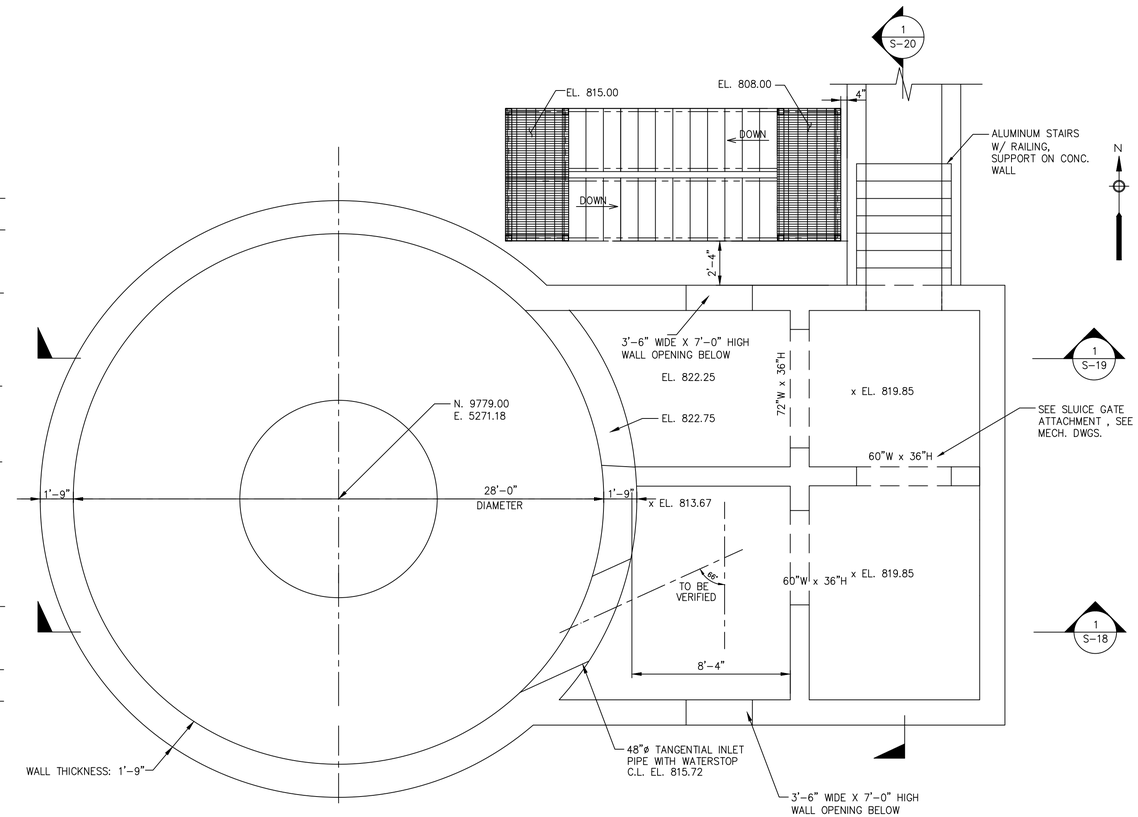
PLAN DRIVING OBJECTIVE

ALL PILES SHALL BE DRIVEN TO AUGER REFUSAL/ROCK.
MINIMUM DEPTH OF PILE EMBEDMENT SHALL BE 15 FT.
TYPICAL DESIGN CAPACITY OF AUGER CAST PILES IS 100 TONS.

APPROXIMATE ROCK EL. 767.00

ALL PILES SHALL BE 16 INCH DIA. AUGER-CAST PILES.

PILE LAYOUT PLAN
SCALE: 1/4" = 1'-0"



INTERMEDIATE PLAN
SCALE: 1/4" = 1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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N. COOPER

SCALE:
1/4"=1'-0"
0 4 8 12
SCALE FEET

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

VORTEX SEPARATOR PLANS

STRUCTURAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP016.dwg
SHEET S-16

PLOT DATE: July 31, 2014 @ 04:52:39 pm
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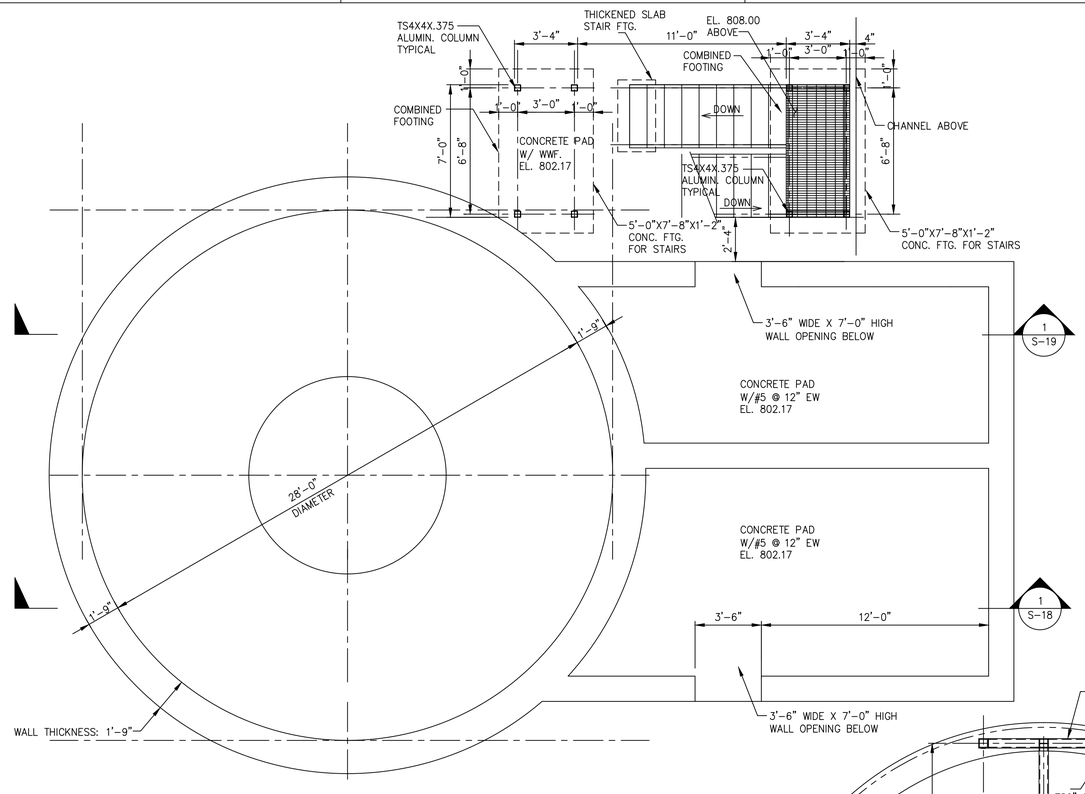
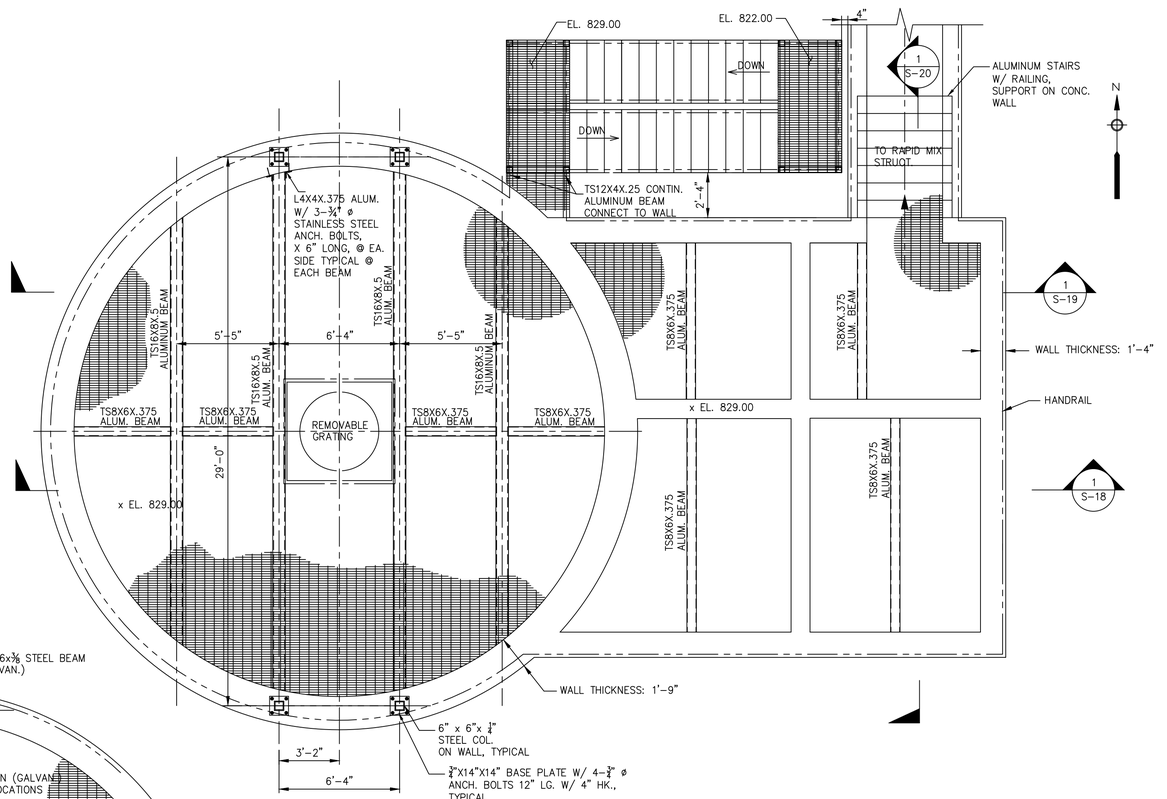


PLAN AT GRADE LEVEL
SCALE: 1/4" = 1'-0"



TOP PLAN
SCALE: 1/4" = 1'-0"

PLAN AT MONORAIL
SCALE: 1/4" = 1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

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PROJ. CHECK N. COOPER

SCALE: 1/4"=1'-0"
0 4 8 12
SCALE FEET

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

VORTEX SEPERATOR PLANS

STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP017.dwg
SHEET S-17

PLOT DATE: July 31, 2014 @ 04:53:05 pm
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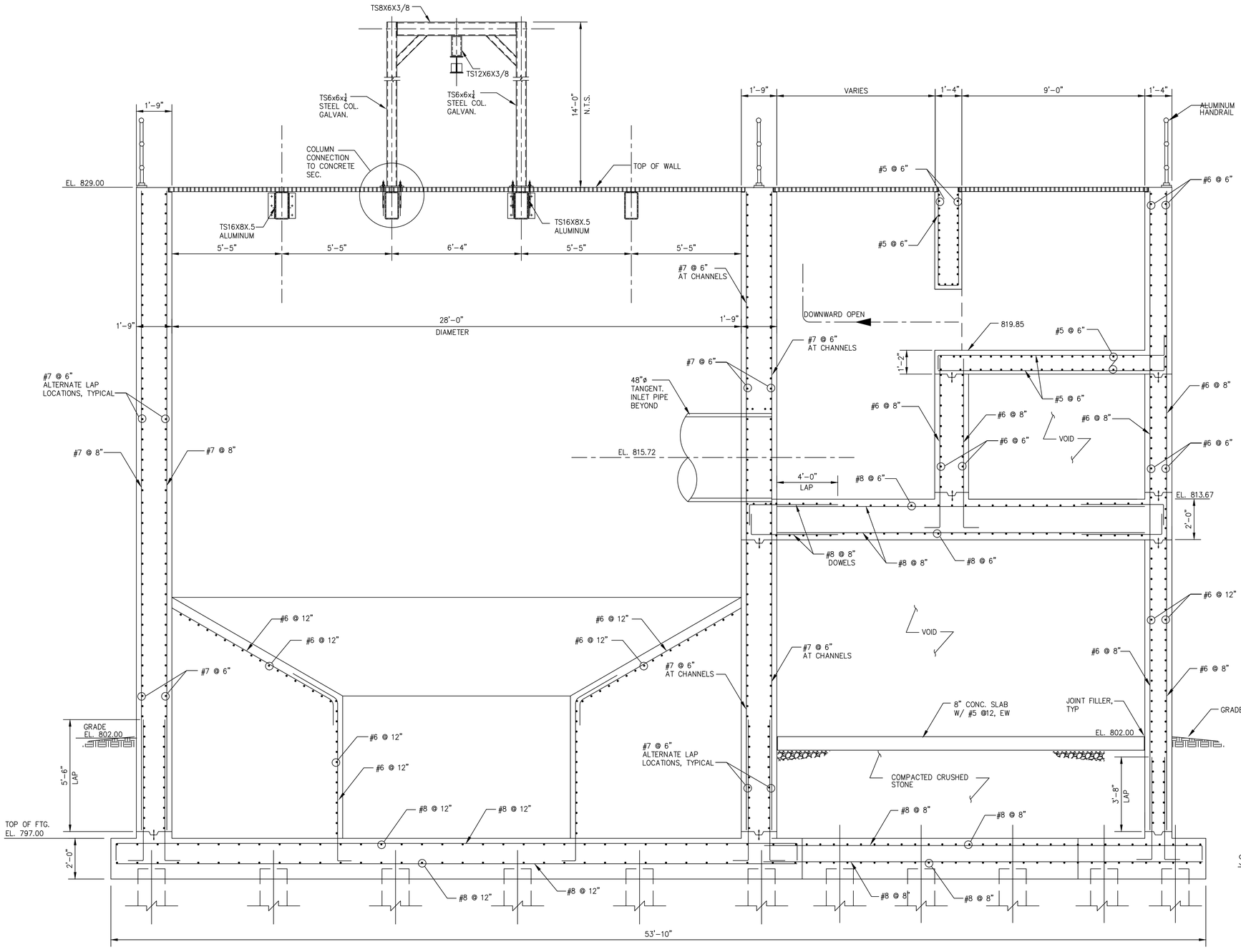

SECTIONAL ELEVATION

SECTION 1/S-16 1/S-17

SCALE: 3/8"=1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

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PROJ. CHECK N. COOPER

SCALE: 3/8"=1'-0" (0 2 4 6 8 SCALE FEET)

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

VORTEX SEPARATOR SECTIONS

STRUCTURAL

NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE SZETP018.dwg

SHEET S-18

PLOT DATE: July 31, 2014 @ 04:53:32 pm

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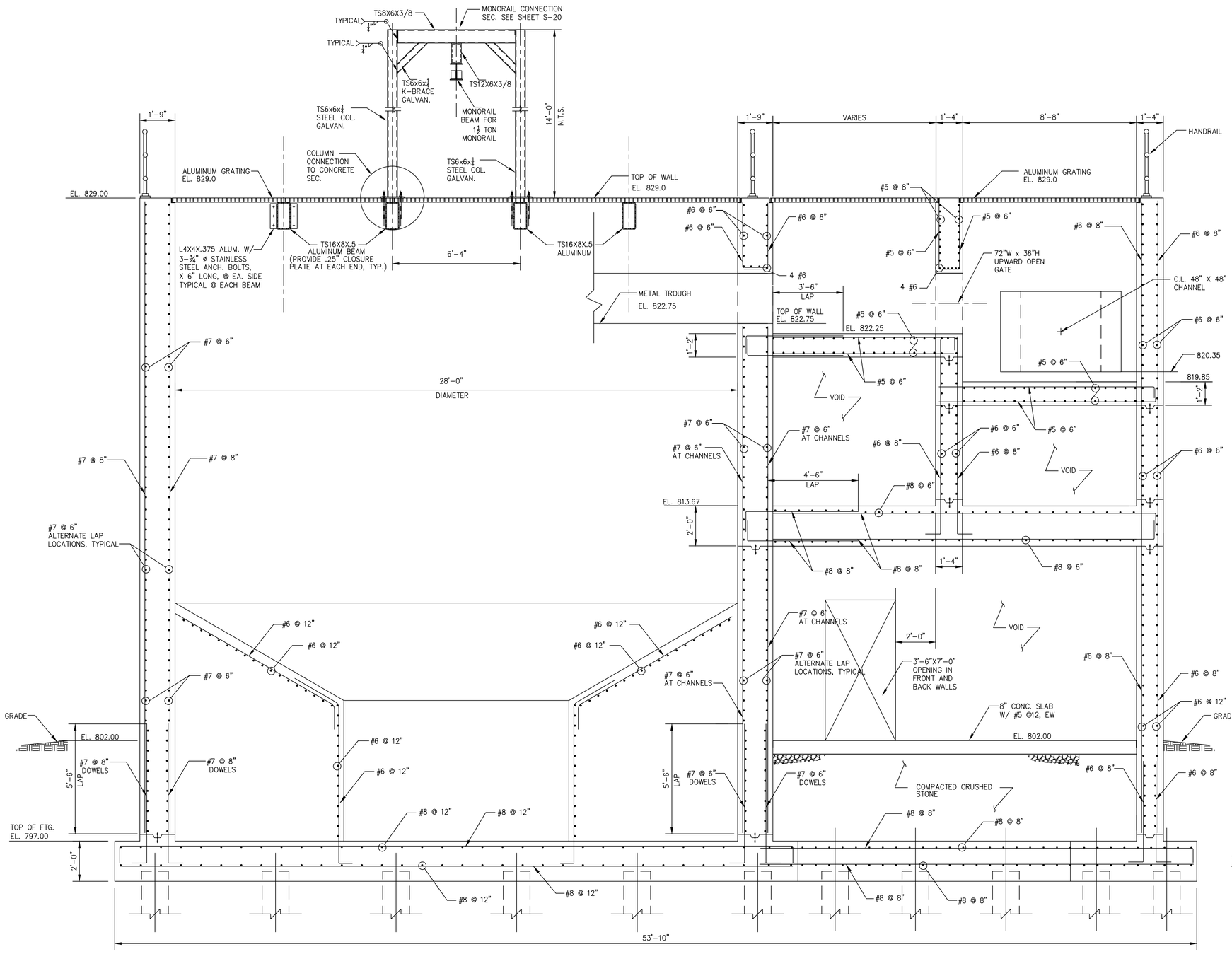

SECTIONAL ELEVATION

SECTION 1/S-16 1/S-17

SCALE: 3/8"=1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. DATE

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DEPT. CHECK

PROJ. CHECK N. COOPER

SCALE: 3/8"=1'-0" 0 2 4 6 8 SCALE FEET

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

VORTEX SEPARATOR SECTIONS

STRUCTURAL NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE SZETP019.dwg

SHEET S-19

PLOT DATE: July 31, 2014 @ 04:53:56 pm

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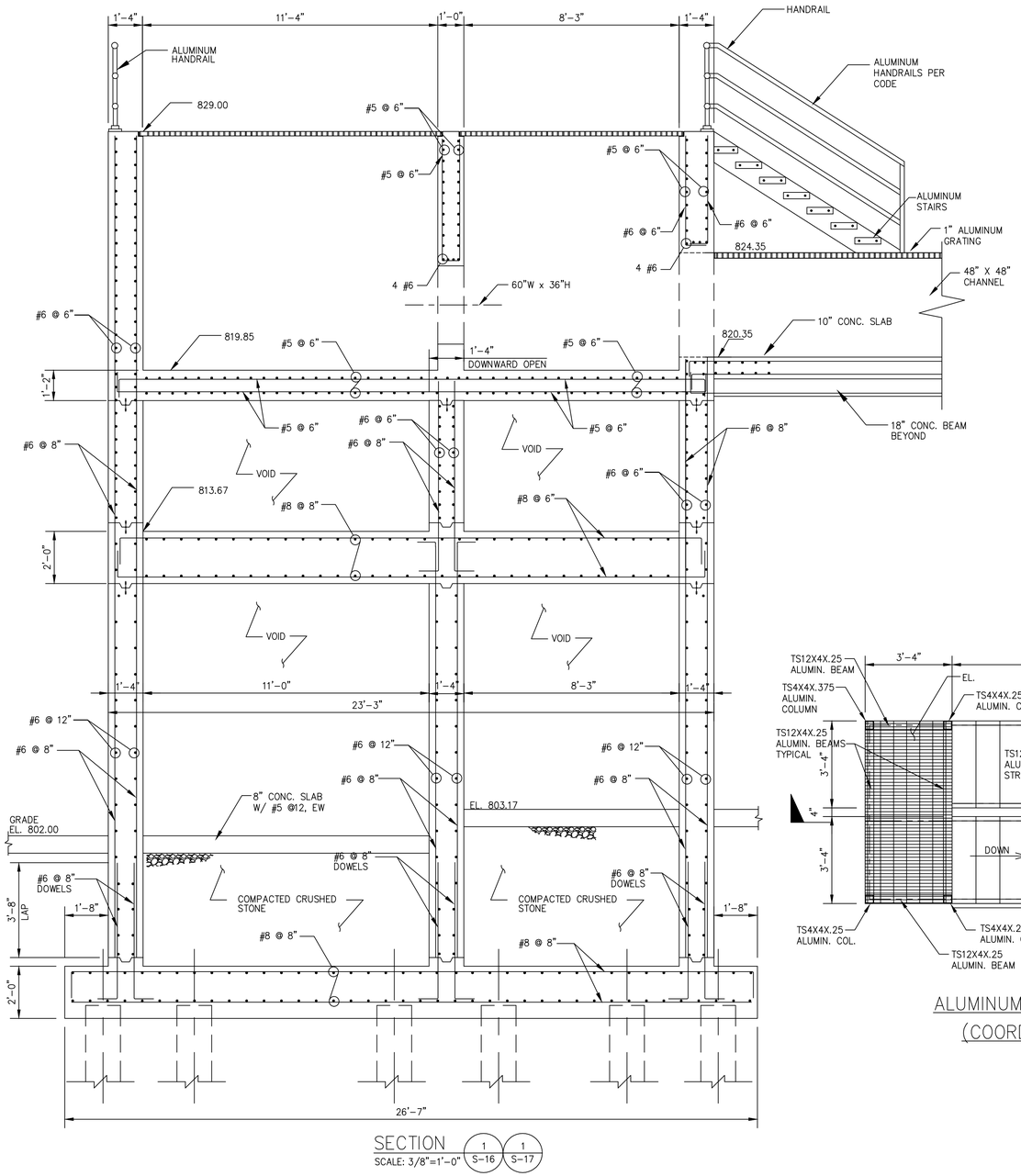
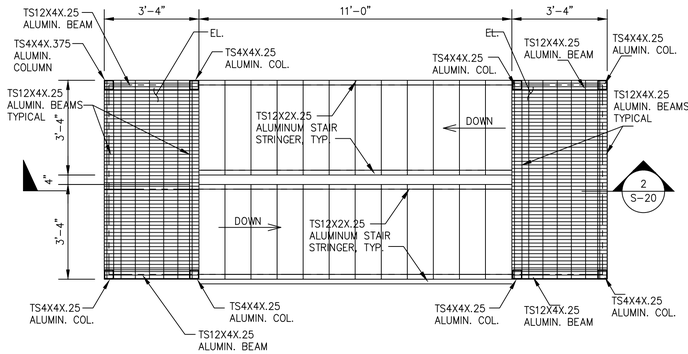
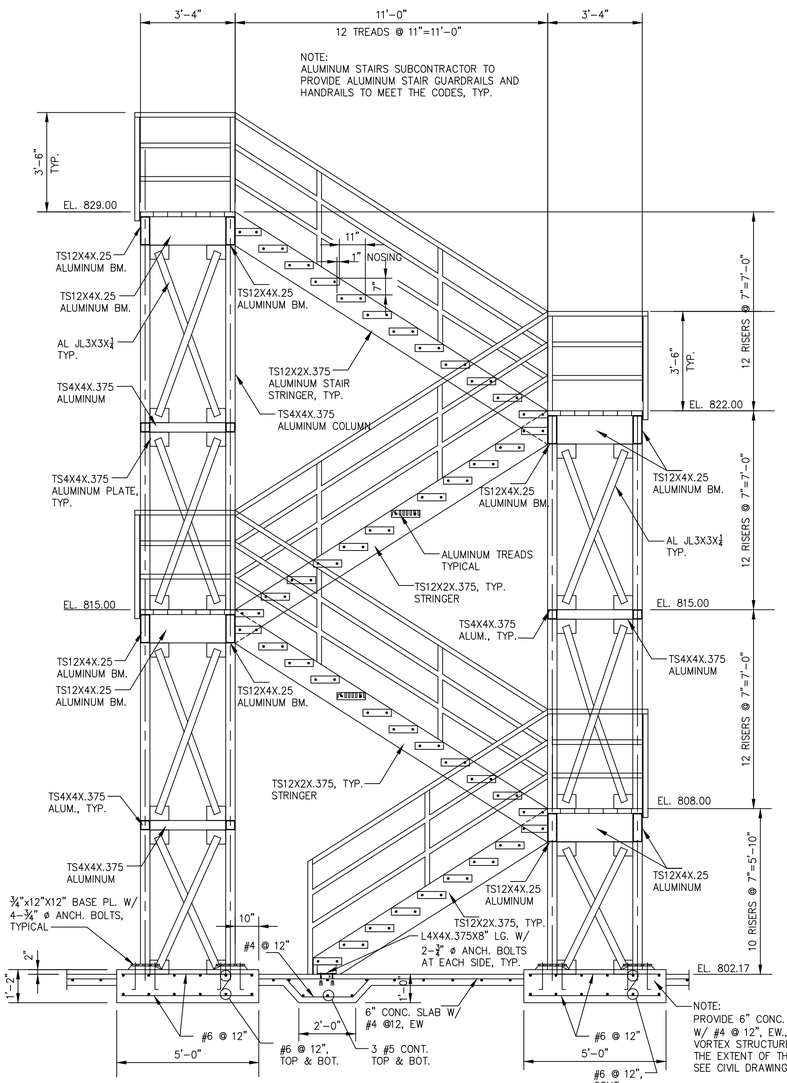


SECTION
SCALE: 3/8"=1'-0" (1 / S-16) (1 / S-17)



ALUMINUM STAIRS FRAMING PLAN
(COORDINATE WITH PLANS)
SCALE: 3/8" = 1'-0"



SECTION
SCALE: 3/8"=1'-0" (2 / S-20)

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

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DEPT. CHECK

PROJ. CHECK
N. COOPER

SCALE:
3/8"=1'-0"
0 2 4 6 8
SCALE FEET

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

VORTEX SEPARATOR SECTIONS

STRUCTURAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP020.dwg
SHEET S-20

PLOT DATE: July 31, 2014 @ 04:54:26 pm
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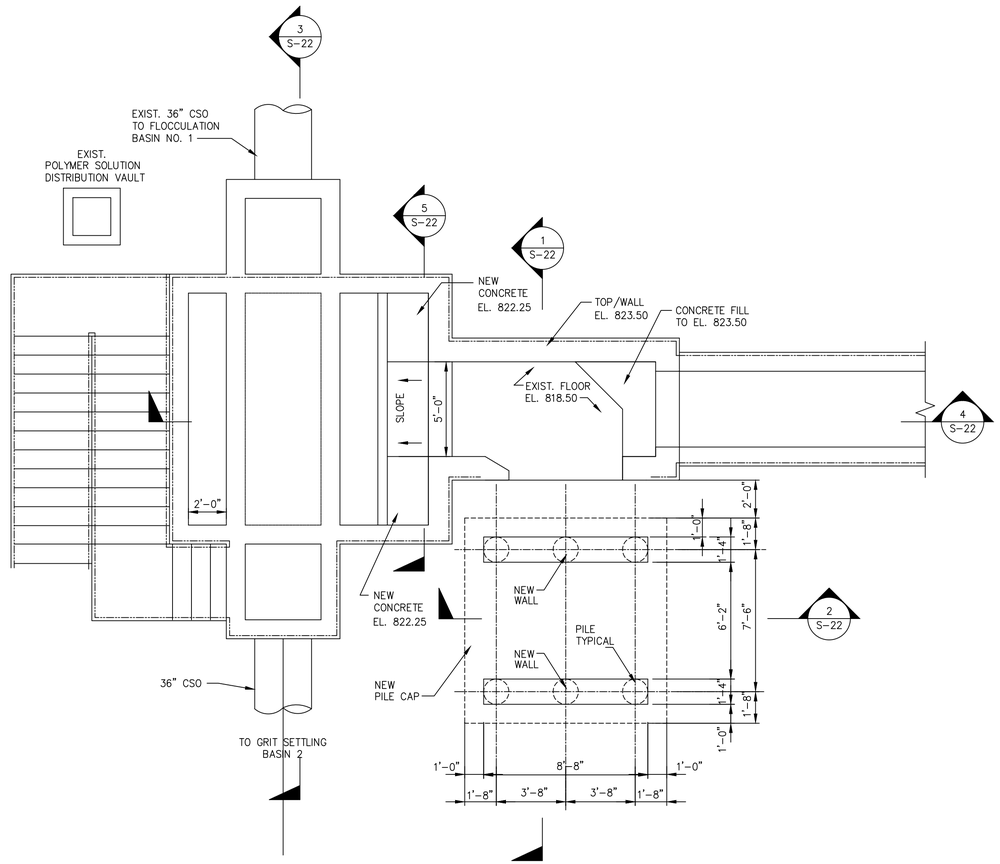
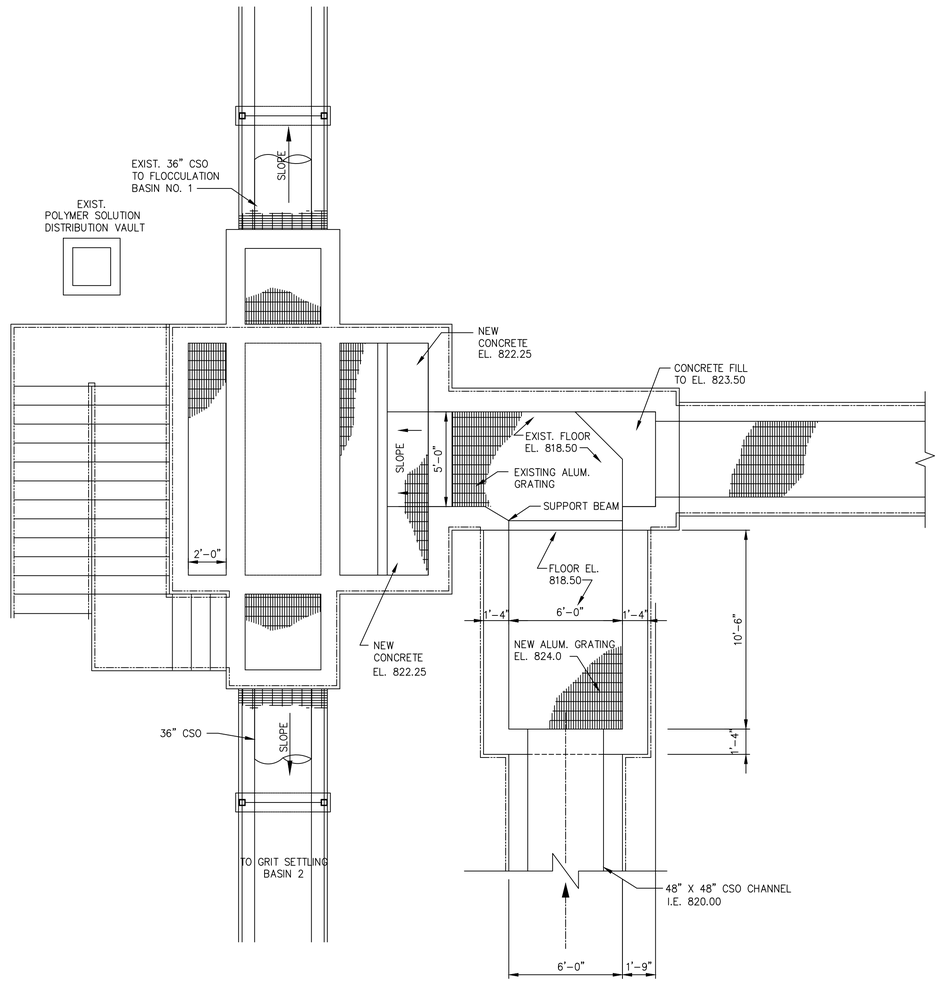


FOUNDATION PLAN
RAPID MIX TANK
SCALE: 1/4" = 1'-0"



TOP PLAN
RAPID MIX TANK
SCALE: 1/4" = 1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

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DEPT. CHECK

PROJ. CHECK
N. COOPER

SCALE:
1/4"=1'-0"
0 4 8 12
SCALE FEET

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

RAPID MIX TANK MODIFICATIONS PLANS

STRUCTURAL

NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE SZETP021.dwg

SHEET S-21

PLOT DATE: July 31, 2014 @ 04:54:31 pm

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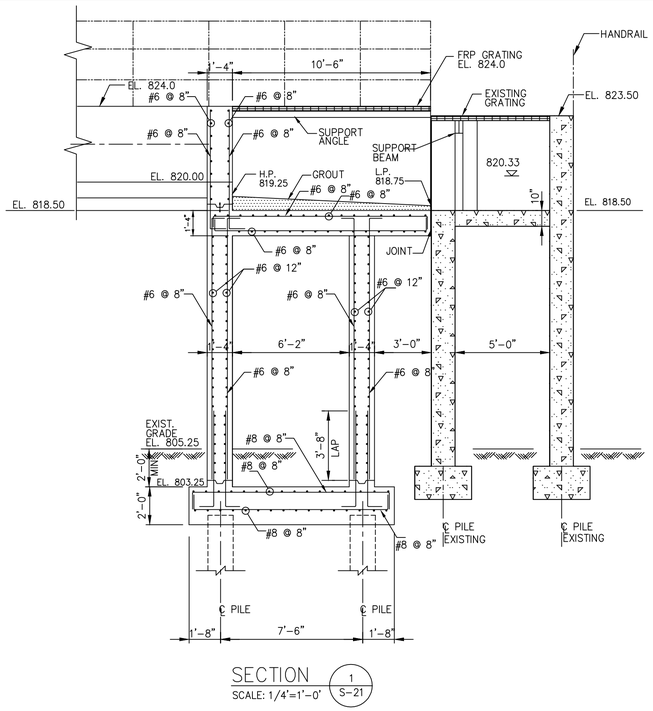
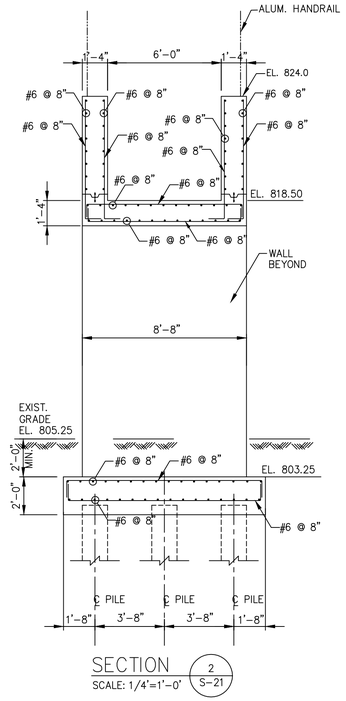
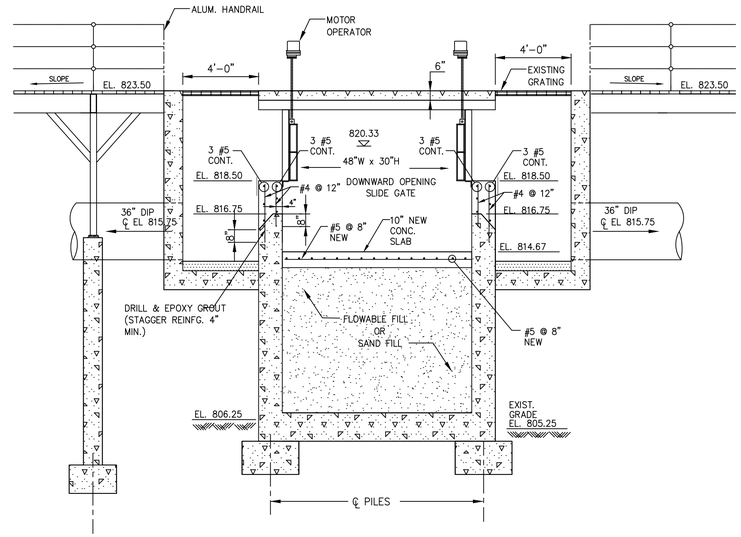


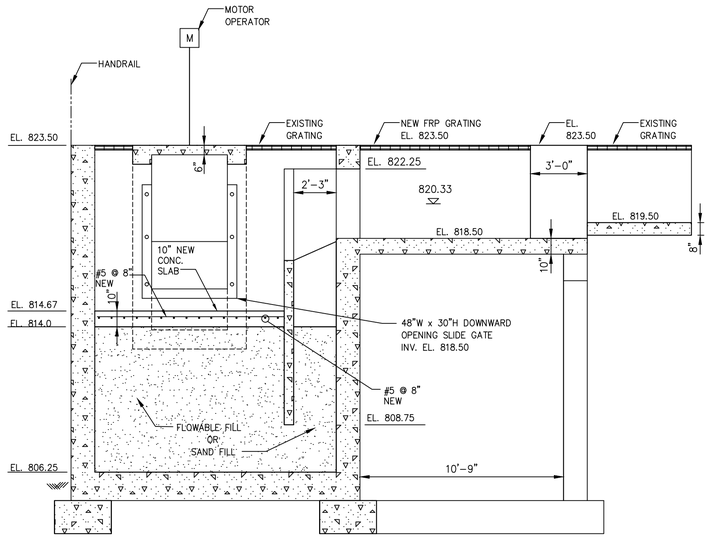
SECTION 1 S-21
SCALE: 1/4"=1'-0"



SECTION 2 S-21
SCALE: 1/4"=1'-0"



SECTION 3 S-21
SCALE: 1/4"=1'-0"



SECTION 4 S-21
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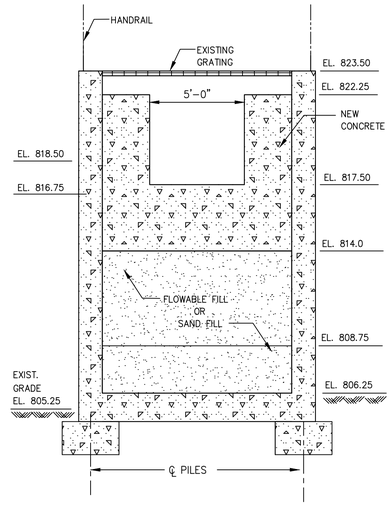

SECTION 5 S-21
SCALE: 1/4"=1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
REVISIONS				
1	1-2008	MF	SJ	AS-BUILT DRAWING

City of Atlanta
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REG. PROF. ENGR. DATE

REG. PROF. ENGR. DATE

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PROJ. CHECK
N. COOPER

SCALE:
0 4 8 12
1/4"=1'-0"
SCALE FEET

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

RAPID MIX TANK MODIFICATIONS SECTIONS

STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP022.dwg
SHEET S-22

PLOT DATE: July 31, 2014 @ 04:56:54 pm
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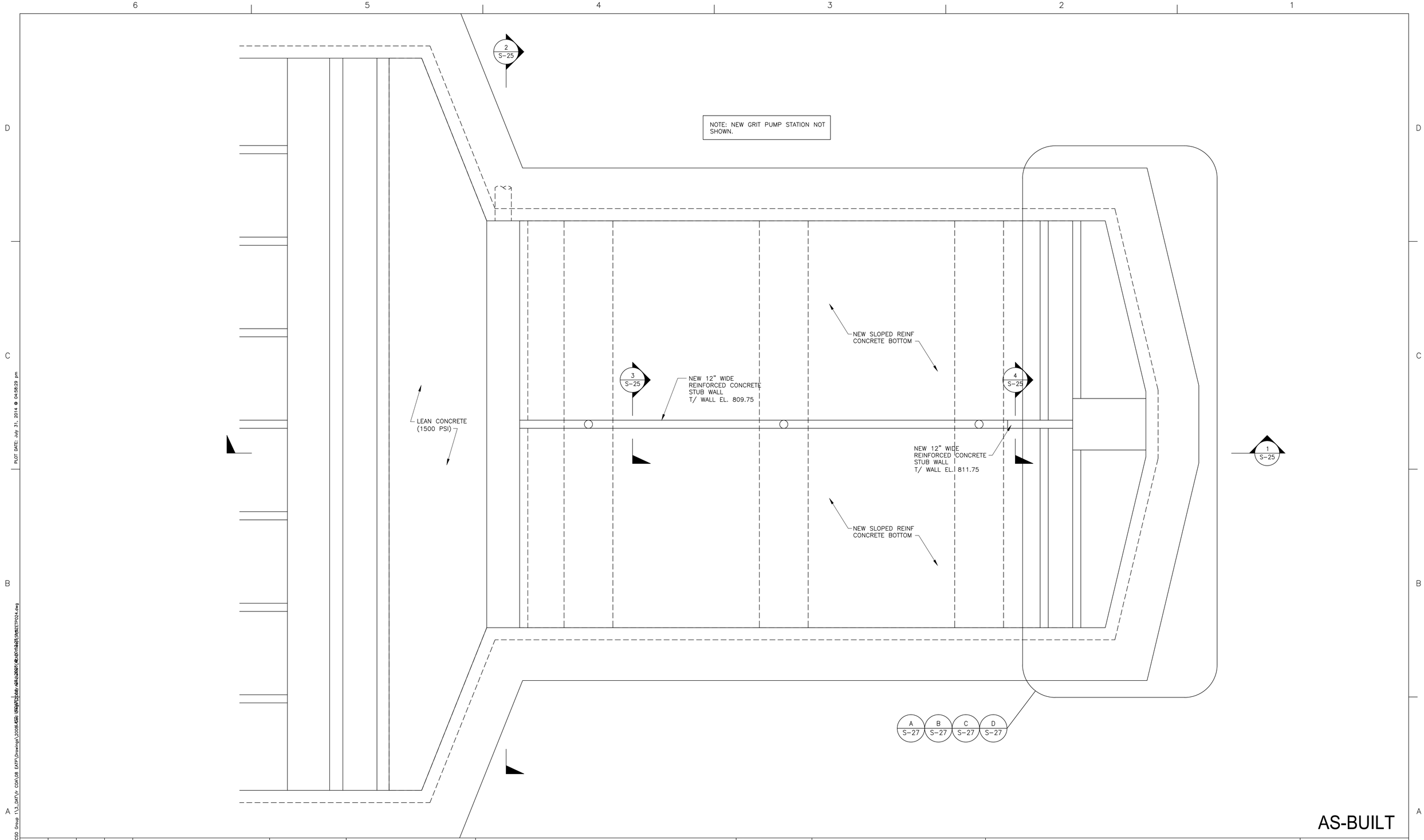

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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PROJ. CHECK
N. COOPER

SCALE:
3/16"=1'-0"
0 4 8 12 16
SCALE FEET

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FLOCCULATION BASIN MODIFICATIONS PLAN

STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP024.dwg
SHEET S-24

PLOT DATE: July 31, 2014 @ 04:58:29 pm

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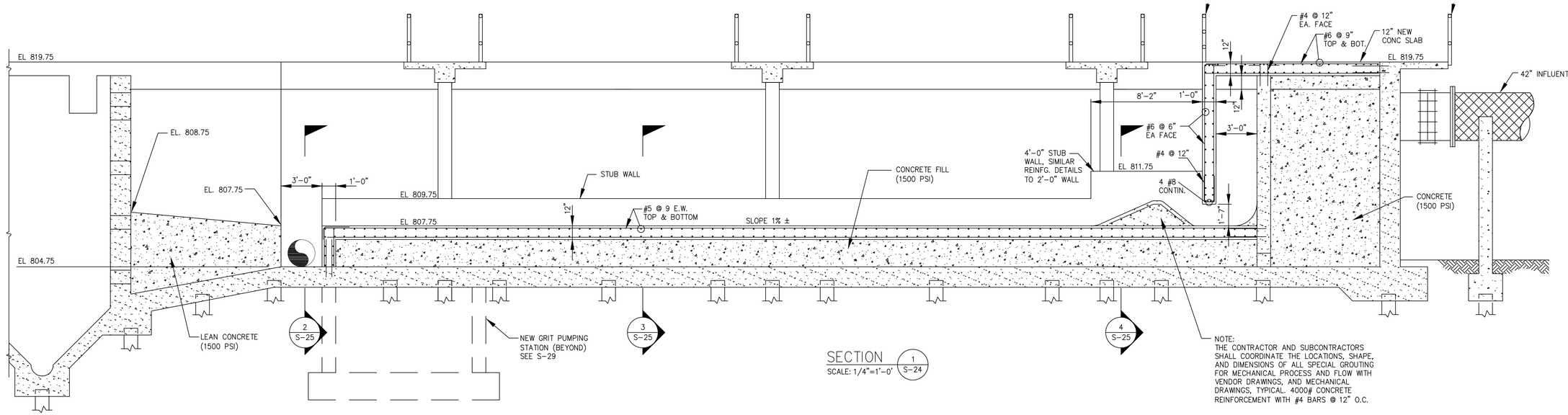

SECTION 1 / S-24
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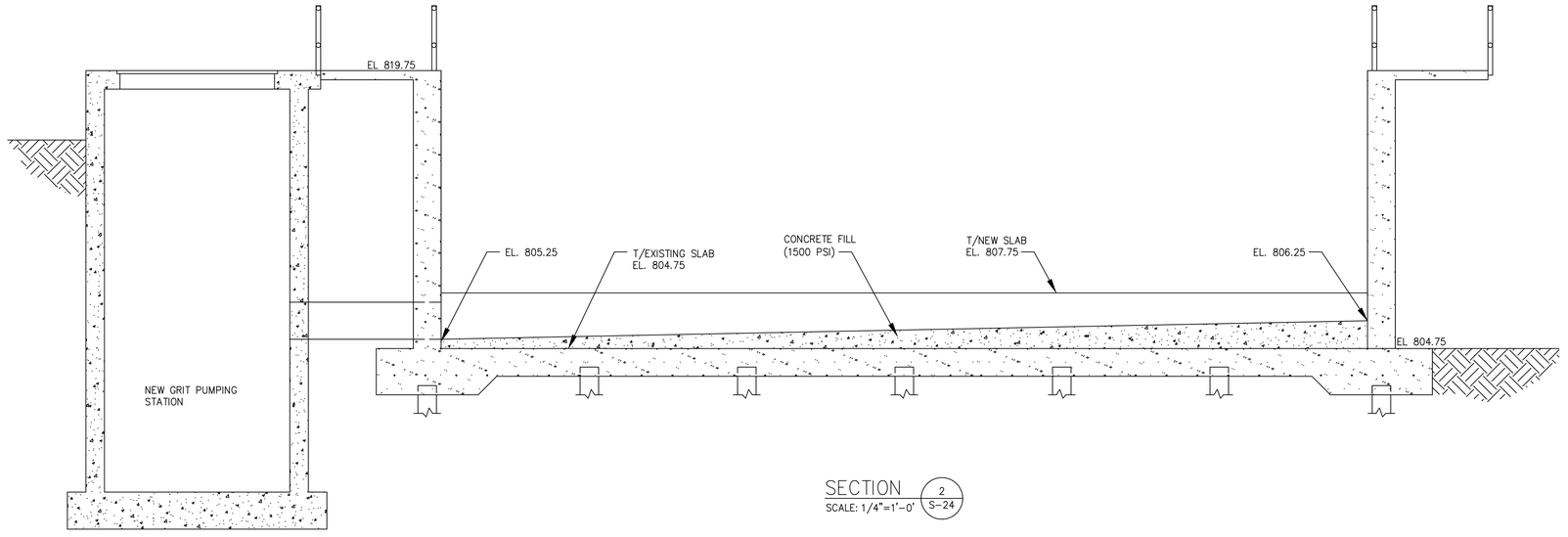

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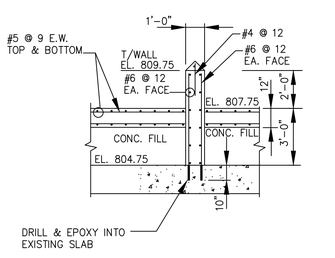
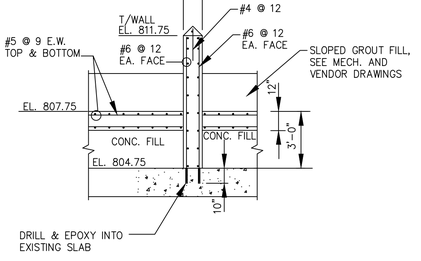


SECTION 3 / S-24
SCALE: 1/4"=1'-0"



SECTION 4 / S-24
SCALE: 1/4"=1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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N. COOPER

SCALE:
1/4"=1'-0"
0 4 8 12
SCALE FEET

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FLOCCULATION BASIN MODIFICATIONS
SECTIONS

STRUCTURAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP025.dwg
SHEET S-25

PLOT DATE: July 31, 2014 @ 04:58:53 pm
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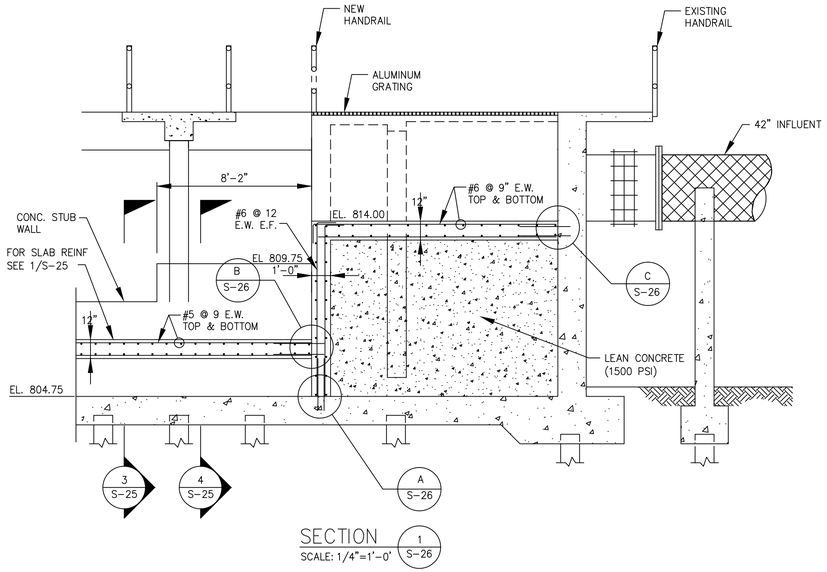
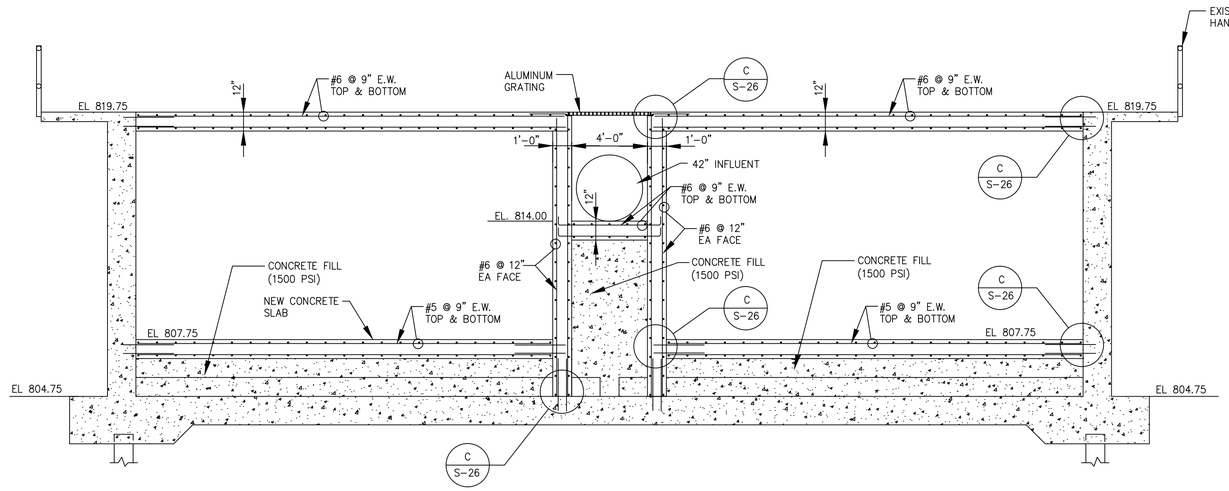
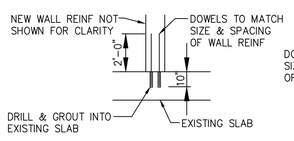


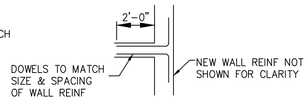
SECTION 1 S-26
SCALE: 1/4"=1'-0"



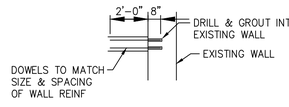
SECTION 2 S-26
SCALE: 1/4"=1'-0"



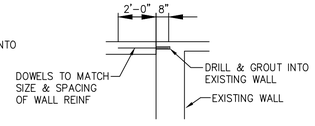
DETAIL A S-26
SCALE: NTS



DETAIL B S-26
SCALE: NTS



DETAIL C S-26
SCALE: NTS



DETAIL D S-26
SCALE: NTS

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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N. COOPER

SCALE:
0 4 8 12
1/4"=1'-0"
SCALE FEET

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FLOCCULATION BASIN MODIFICATIONS SECTIONS & DETAILS

STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP026.dwg
SHEET S-26

PLOT DATE: July 31, 2014 @ 05:00:05 pm
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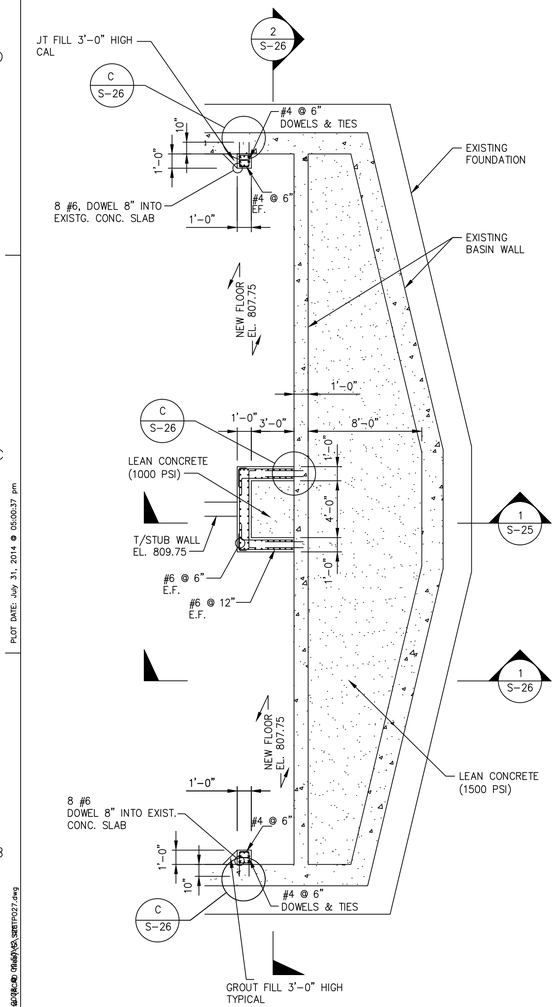
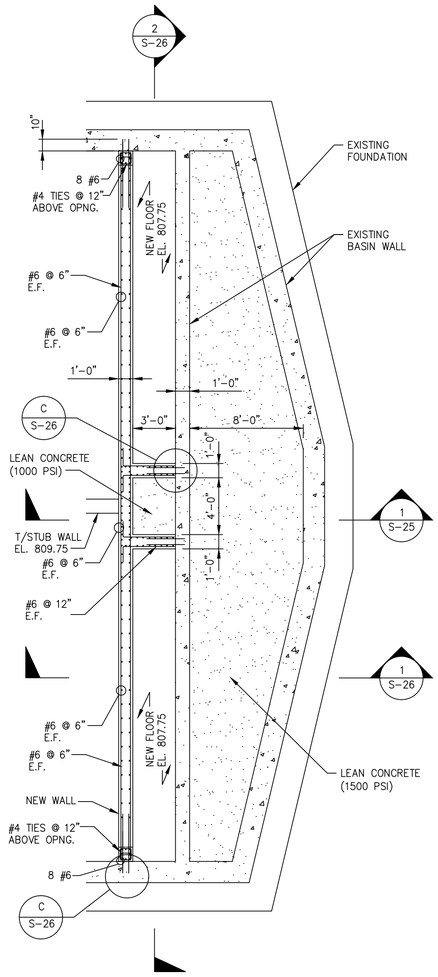
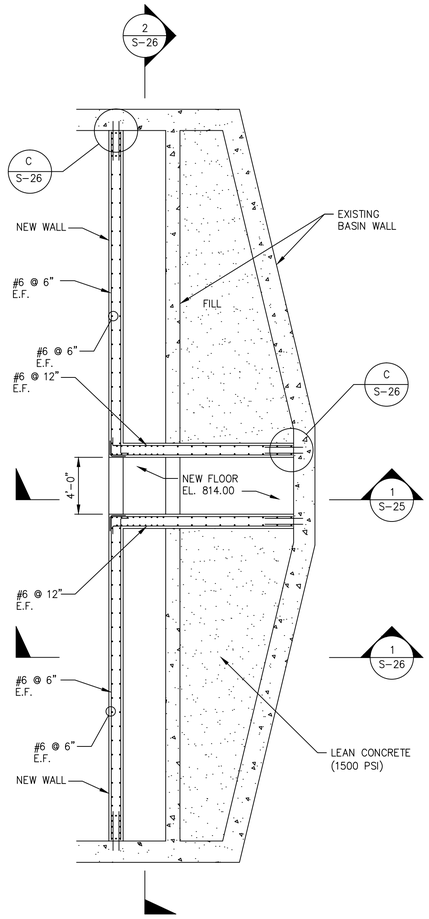


PART PLAN – EL. 805.00 (A S-27)
3/16" = 1'-0"



PART PLAN – EL. 810.00 (B S-27)
3/16" = 1'-0"



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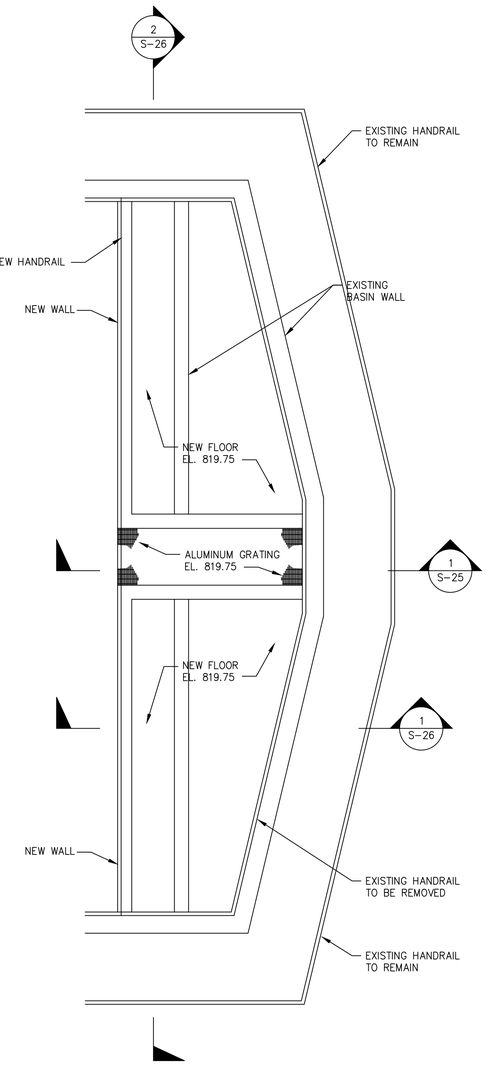
3/16" = 1'-0"



PART PLAN – EL. 819.75 (D S-27)
3/16" = 1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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N. COOPER

SCALE:
3/16"=1'-0"
0 4 8 12 16
SCALE FEET

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FLOCULATION BASIN MODIFICATIONS SECTIONS & DETAILS

STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP027.dwg
SHEET S-27

PLOT DATE: July 31, 2014 @ 05:00:37 pm
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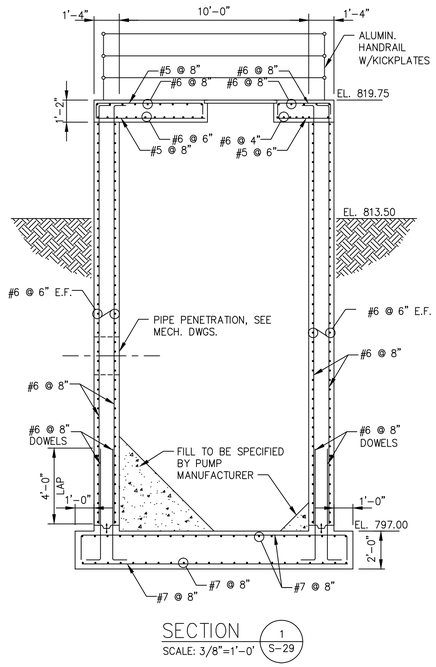
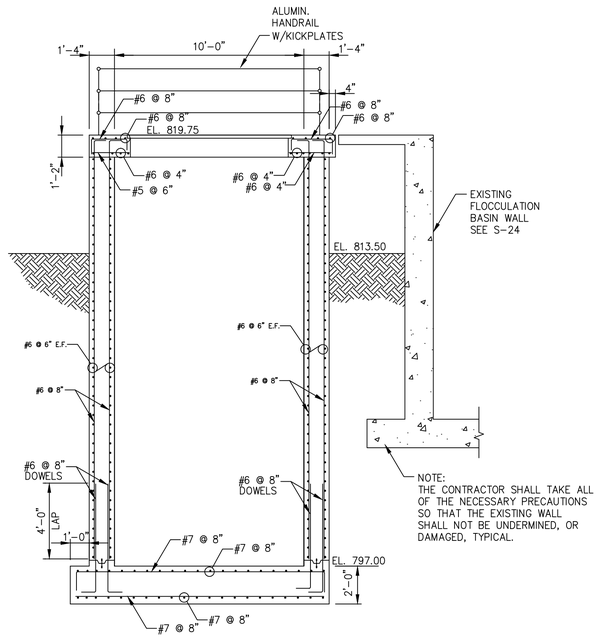
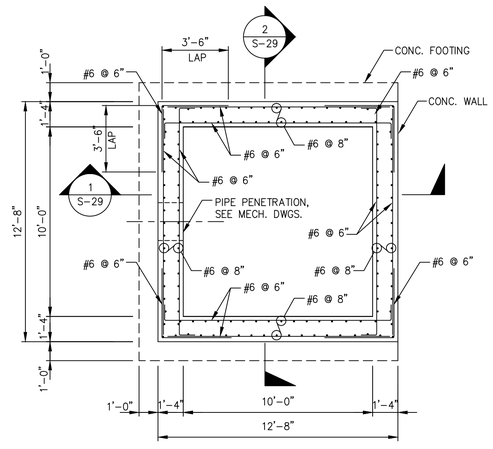


SECTION 1 / S-29
SCALE: 3/8"=1'-0"



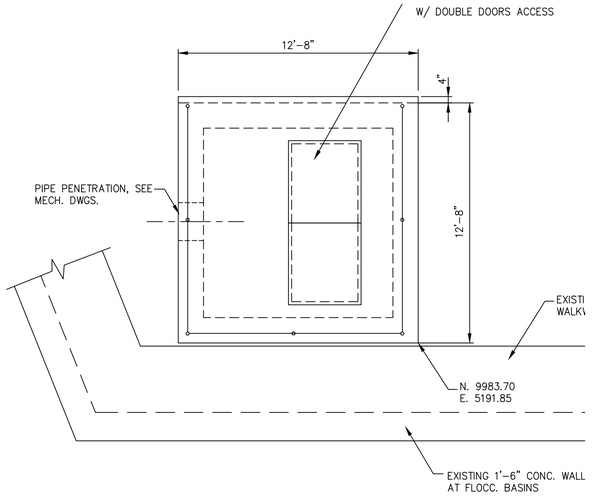
SECTION 2 / S-29
SCALE: 3/8"=1'-0"



PLAN DRIVING OBJECTIVE

THE SPREAD FOOTINGS ARE DESIGNED FOR A BEARING PRESSURE OF 1 TON PER SQUARE FOOT.

BOTTOM PLAN
GRIT PUMP STATION – NORTH



TOP PLAN
GRIT PUMP STATION – NORTH

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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PROJ. CHECK
N. COOPER

SCALE:
1/4"=1'-0"
0 4 8 12
SCALE FEET

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

GRIT PUMPING STATION – NORTH
PLANS & SECTIONS

STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP029.dwg
SHEET S-29

PLOT DATE: July 31, 2014 @ 05:05:28 pm
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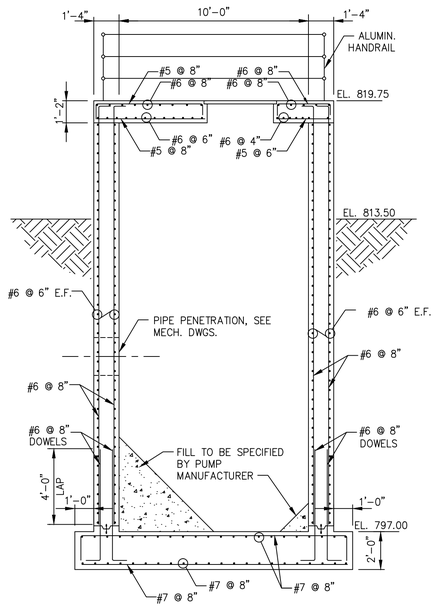
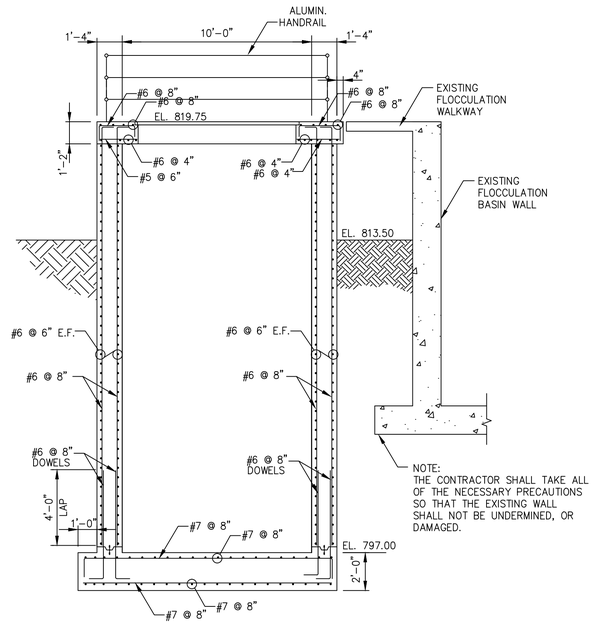
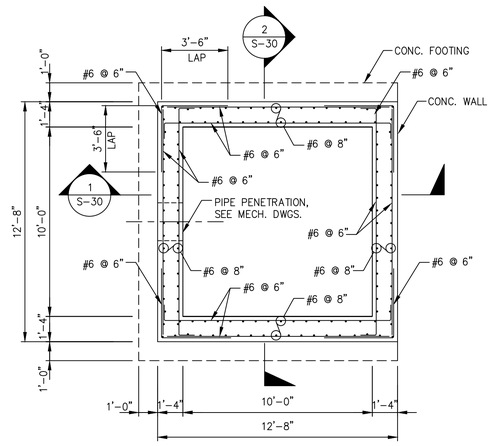


SECTION 1 / S-30
SCALE: 3/8"=1'-0"



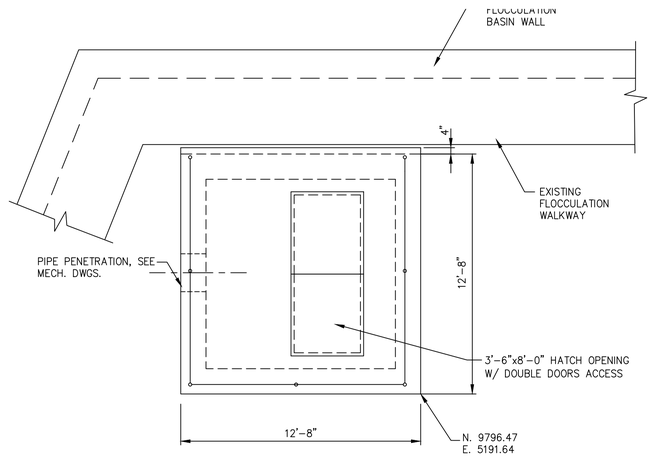
SECTION 2 / S-30
SCALE: 3/8"=1'-0"



PLAN DRIVING OBJECTIVE

THE SPREAD FOOTINGS ARE DESIGNED FOR A BEARING PRESSURE OF 1 TON PER SQUARE FOOT.

BOTTOM PLAN
GRIT PUMP STATION – SOUTH



TOP PLAN
GRIT PUMP STATION – SOUTH

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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N. COOPER

SCALE:
0 4 8 12
1/4"=1'-0"
SCALE FEET

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

GRIT PUMPING STATION – SOUTH
PLANS & SECTIONS

STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP030.dwg
SHEET S-30

PLOT DATE: July 31, 2014 @ 05:07:53 pm
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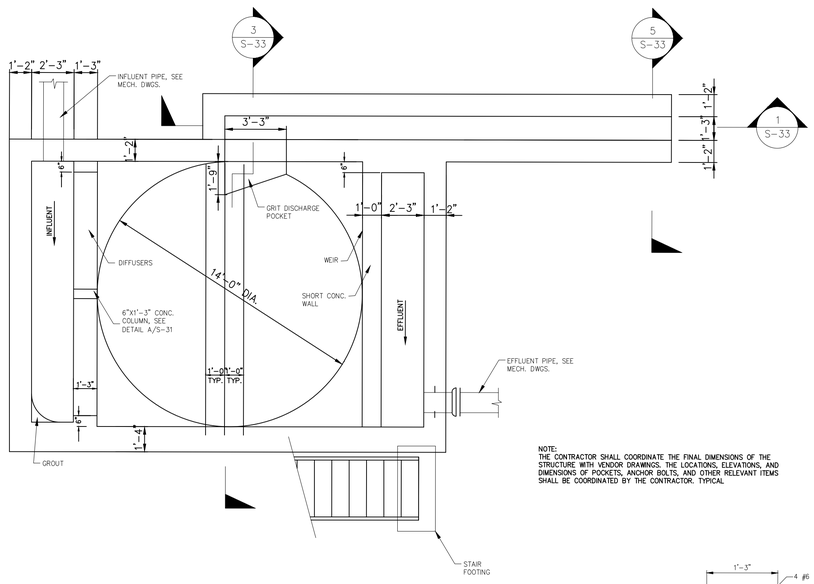
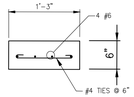
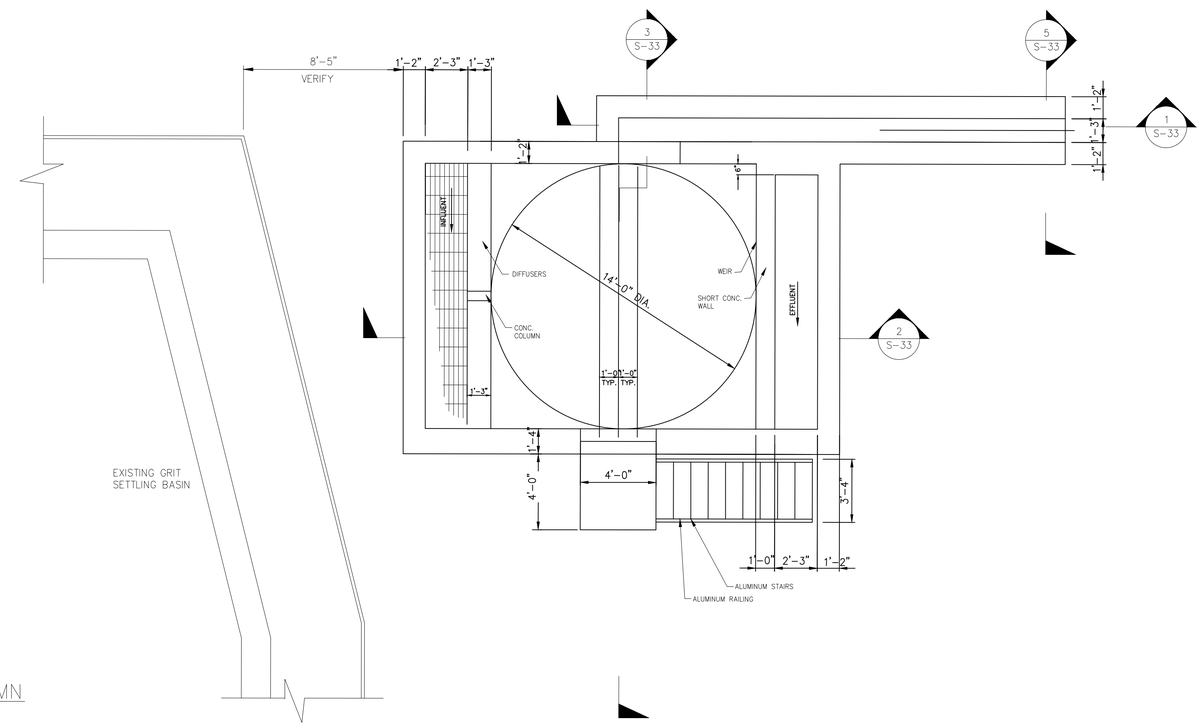


NOTE:
THE CONTRACTOR SHALL COORDINATE THE FINAL DIMENSIONS OF THE STRUCTURE WITH VENDOR DRAWINGS. THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF POCKETS, ANCHOR BOLTS, AND OTHER RELEVANT ITEMS SHALL BE COORDINATED BY THE CONTRACTOR. TYPICAL



PLAN – CONC. COLUMN
SCALE: 3/4"=1'-0"

BOTTOM PLAN – DETRITUS TANK NO. 1
SCALE: 1/4"=1'-0"



TOP PLAN – DETRITUS TANK NO. 1
SCALE: 1/4"=1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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N. COOPER

SCALE:
0 4 8 12
1/4"=1'-0"
SCALE FEET

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

DETRITUS TANK NO. 1
PLANS

STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP031.dwg
SHEET S-31

PLOT DATE: July 31, 2014 @ 05:08:55 pm
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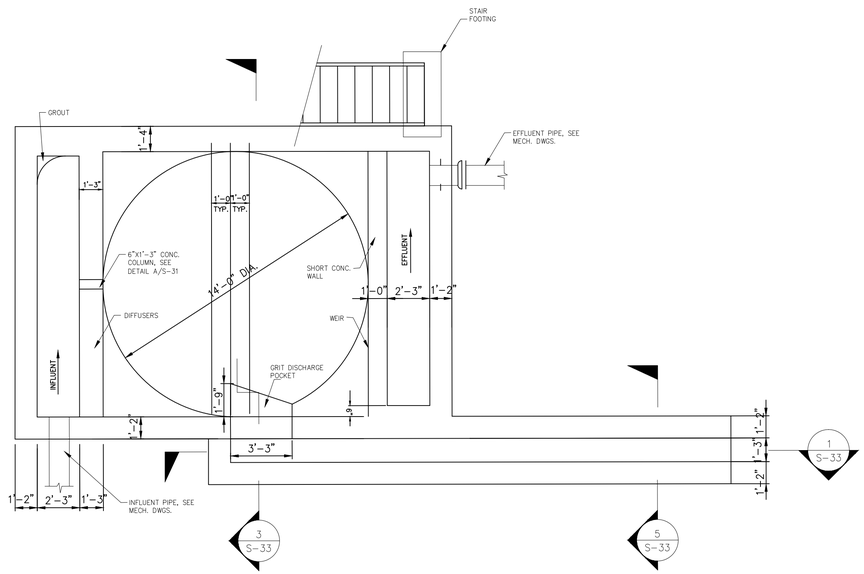
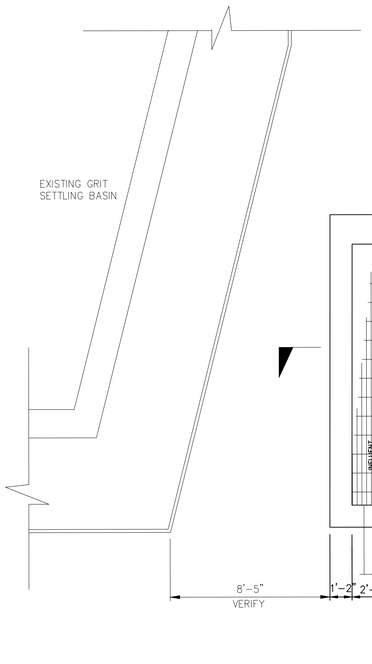
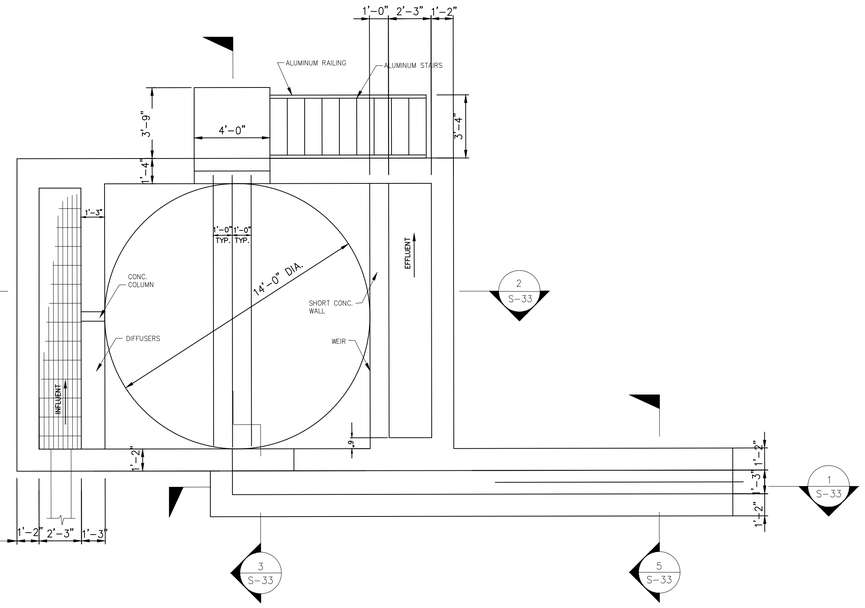


BOTTOM PLAN – DETRITUS TANK NO. 2

SCALE: 1/4"=1'-0"





TOP PLAN – DETRITUS TANK NO. 2

SCALE: 1/4"=1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

DRAWN BY

DEPT. CHECK

PROJ. CHECK
N. COOPER

SCALE:
1/4"=1'-0"
0 4 8 12
SCALE FEET

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

DETRITUS TANK NO. 2
PLANS

STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP032.dwg
SHEET S-32

PLOT DATE: July 31, 2014 @ 05:09:24 pm

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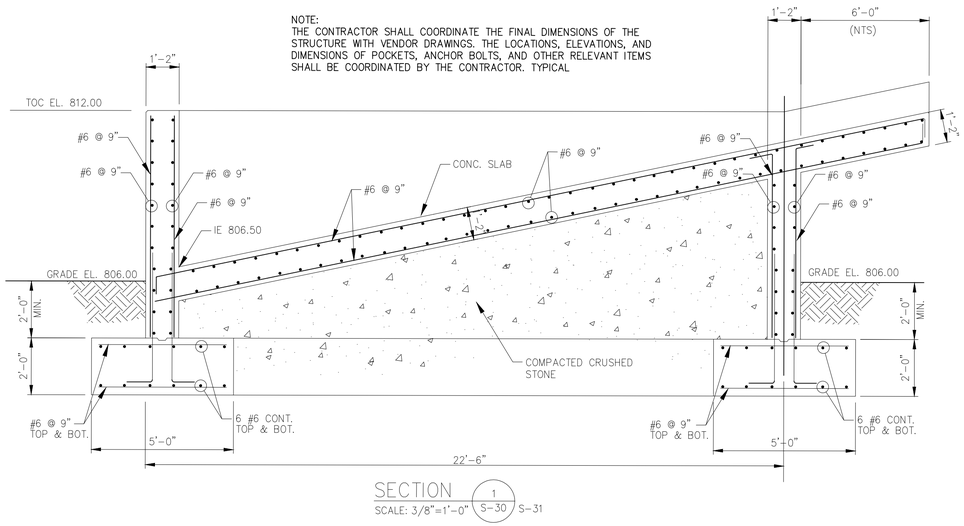
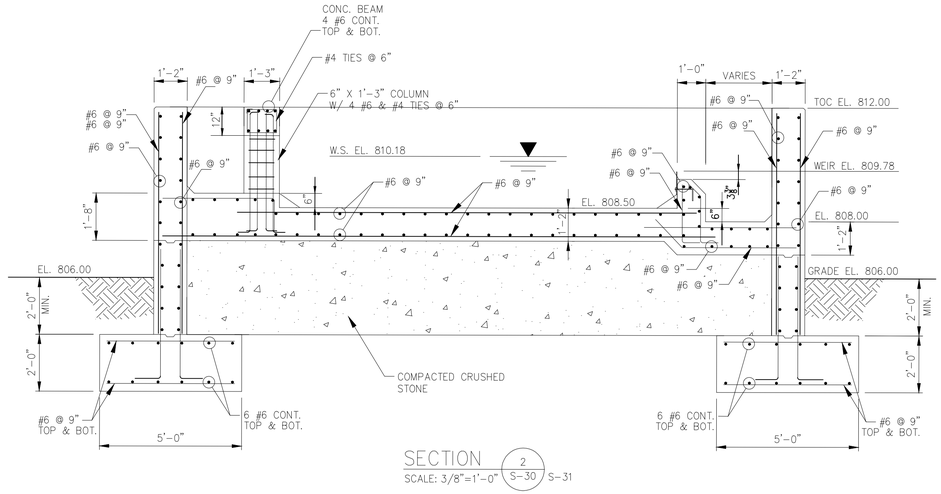


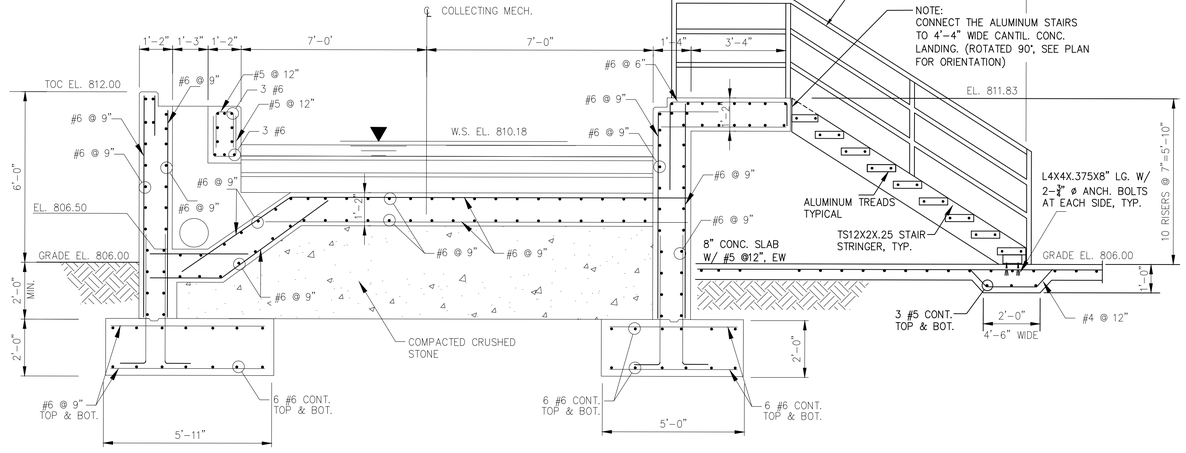
SECTION 1 S-30 S-31
SCALE: 3/8"=1'-0"



SECTION 2 S-30 S-31
SCALE: 3/8"=1'-0"

PLAN DRIVING OBJECTIVE

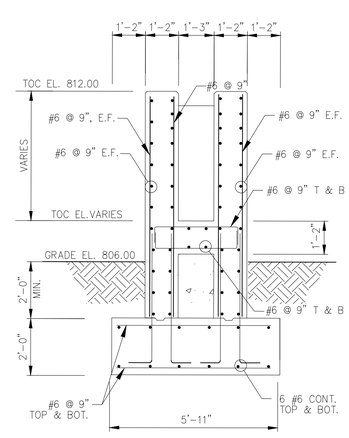
THE SPREAD FOOTING ARE DESIGNED FOR A BEARING PRESSURE OF 1.5 TON PER SQARE FOOT.



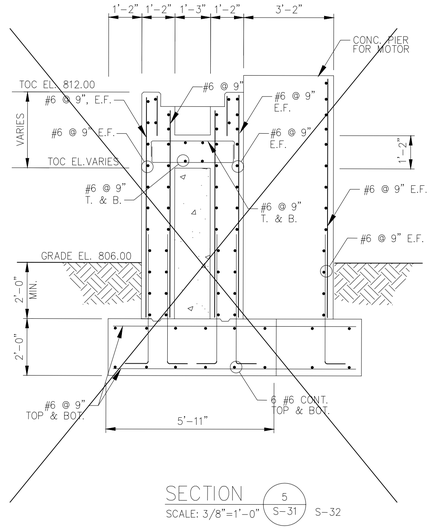
NOTE:
THE CONTRACTOR SHALL COORDINATE THE FINAL DIMENSIONS OF THE STRUCTURE WITH VENDOR DRAWINGS. THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF POCKETS, ANCHOR BOLTS, AND OTHER RELEVANT ITEMS SHALL BE COORDINATED BY THE CONTRACTOR. TYPICAL

SECTION 3 S-30 S-31
SCALE: 3/8"=1'-0"

NOTE:
THE ALUMINUM STAIRS SUBCONTRACTOR TO FULLY DESIGN, DETAIL AND PROVIDE THE ALUMINUM STAIRS AND HANDRAILS, BASED ON THE APPLICABLE CODES. THE STAIRS TO BE 3'-4" WIDE. FOR ADDITIONAL INFORMATION, SEE STAIRS AT VORTEX STRUCTURE. ORIENTATION PER PLAN VIEWS.



SECTION 4 S-30 S-31
SCALE: 3/8"=1'-0"



SECTION 5 S-31 S-32
SCALE: 3/8"=1'-0"

DETAIL DELETED

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

City of Atlanta
Department of Watershed Management
Protecting Our Future

Metcalf & Eddy

SKING & Associates, Inc. ENGINEERS PLANNERS MANAGERS

REG. PROF. ENGR. DATE

REG. PROF. ENGR. DATE

DRAWN BY

DEPT. CHECK

PROJ. CHECK N. COOPER

SCALE: 3/8"=1'-0" (0 2 4 6 8 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

DETRITUS TANKS NO. 1 & NO. 2
SECTIONS

STRUCTURAL NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE SZETP033.dwg

SHEET S-33

PLOT DATE: July 31, 2014 @ 05:10:30 pm

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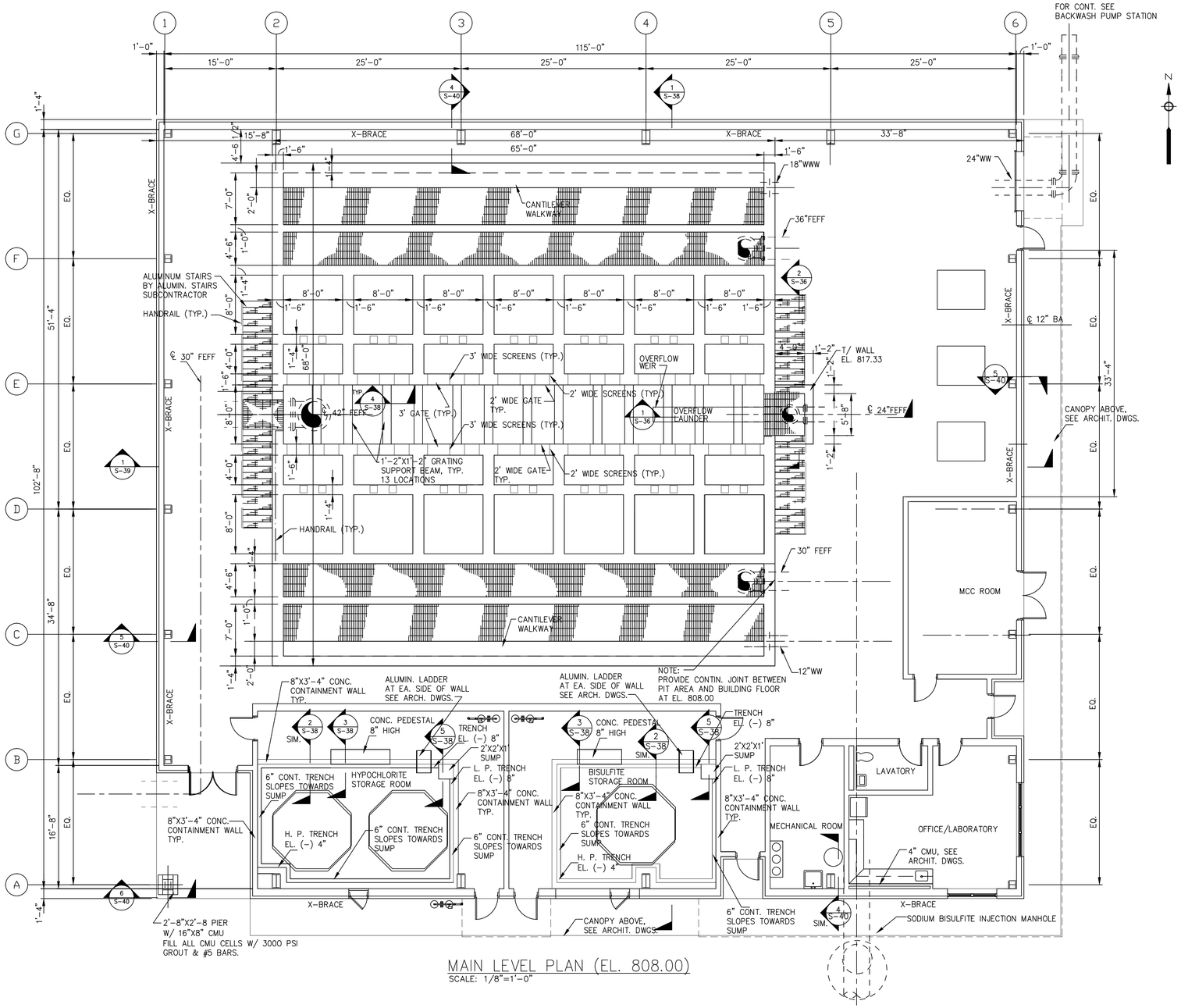

MAIN LEVEL PLAN (EL. 808.00)
SCALE: 1/8"=1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY

DEPT. CHECK

PROJ. CHECK
N. COOPER

SCALE:
1/8"=1'-0"
0 4 8 12 16 20 24
SCALE FEET

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING
MAIN LEVEL PLAN

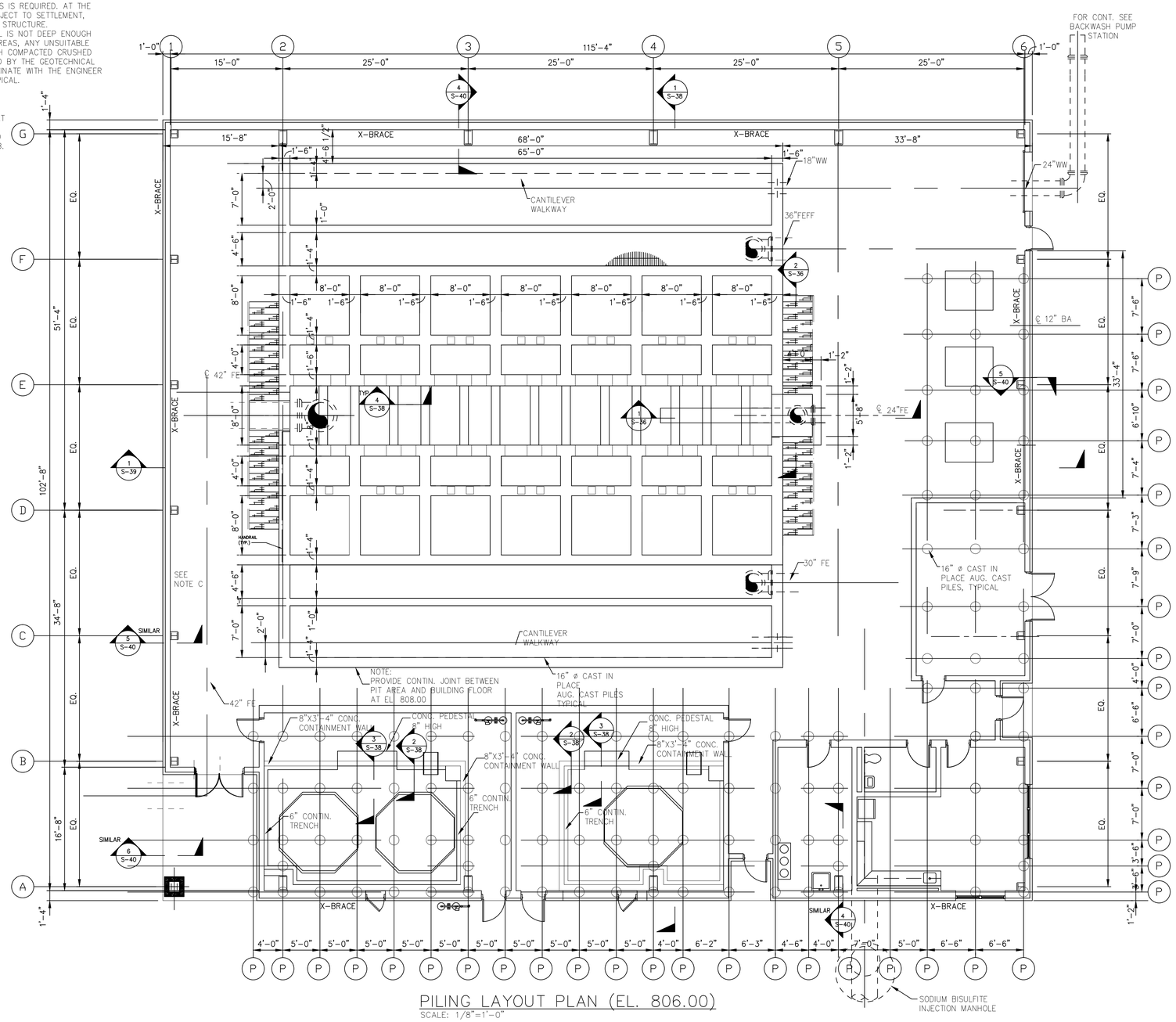
STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP034.dwg
SHEET S-34

PLOT DATE: July 31, 2014 @ 05:11:03 pm
PATH/FILENAME: G:\Wem\GA8PA134 - CSO Group 1\3_DAT\Fr COA\08 EATP\Drawings\2008 ASC Updates\Arch\SZETP034.dwg

NOTE B:
THE SOIL CONSISTENCY UNDER THE FILTER BUILDING IS VERY UNUSUAL. AT THE NORTHWEST SIDE OF THE BUILDING, THE STRUCTURE IS SUPPORTED ON ROCK, AND THEREFORE NO SUPPORT FROM PILES IS REQUIRED. AT THE SOUTHEAST SIDE OF THE BUILDING THE SOIL IS SUBJECT TO SETTLEMENT, AND THEREFORE PILES ARE USED TO SUPPORT THE STRUCTURE. THERE IS AN AREA OF TRANSITION, WHERE THE SOIL IS NOT DEEP ENOUGH TO ACCOMMODATE REGULAR PILES. WITHIN THESE AREAS, ANY UNSUITABLE MATERIAL HAS TO BE REMOVED AND REPLACED WITH COMPACTED CRUSHED STONE, OR OTHER SUITABLE MATERIAL, AS DIRECTED BY THE GEOTECHNICAL ENGINEER IN THE FIELD. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER OF RECORD, AND THE GEOTECHNICAL ENGINEER. TYPICAL.

NOTE C:
BACK FILLED AND COMPACTED TO 95% COMPACTION PER SPEC; LAST 3' – 4' FILLED WITH #57 STONE AT THE ENTIRE WEST SECTION OF BUILDING. IN OTHER AREAS WHERE PILES WERE WERE DELETED, CRUSHED STONE FILLED BETWEEN ROCK BED AND FLOOR SLAB.



PILING LAYOUT PLAN (EL. 806.00)
SCALE: 1/8"=1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____
REG. PROF. ENGR. _____ DATE _____

DRAWN BY
DEPT. CHECK
PROJ. CHECK N. COOPER

SCALE: 1/8"=1'-0" (0 4 8 12 16 20 24 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING
PILING LAYOUT PLAN

STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP035.dwg
SHEET S-35

PLOT DATE: July 31, 2014 @ 05:11:52 pm
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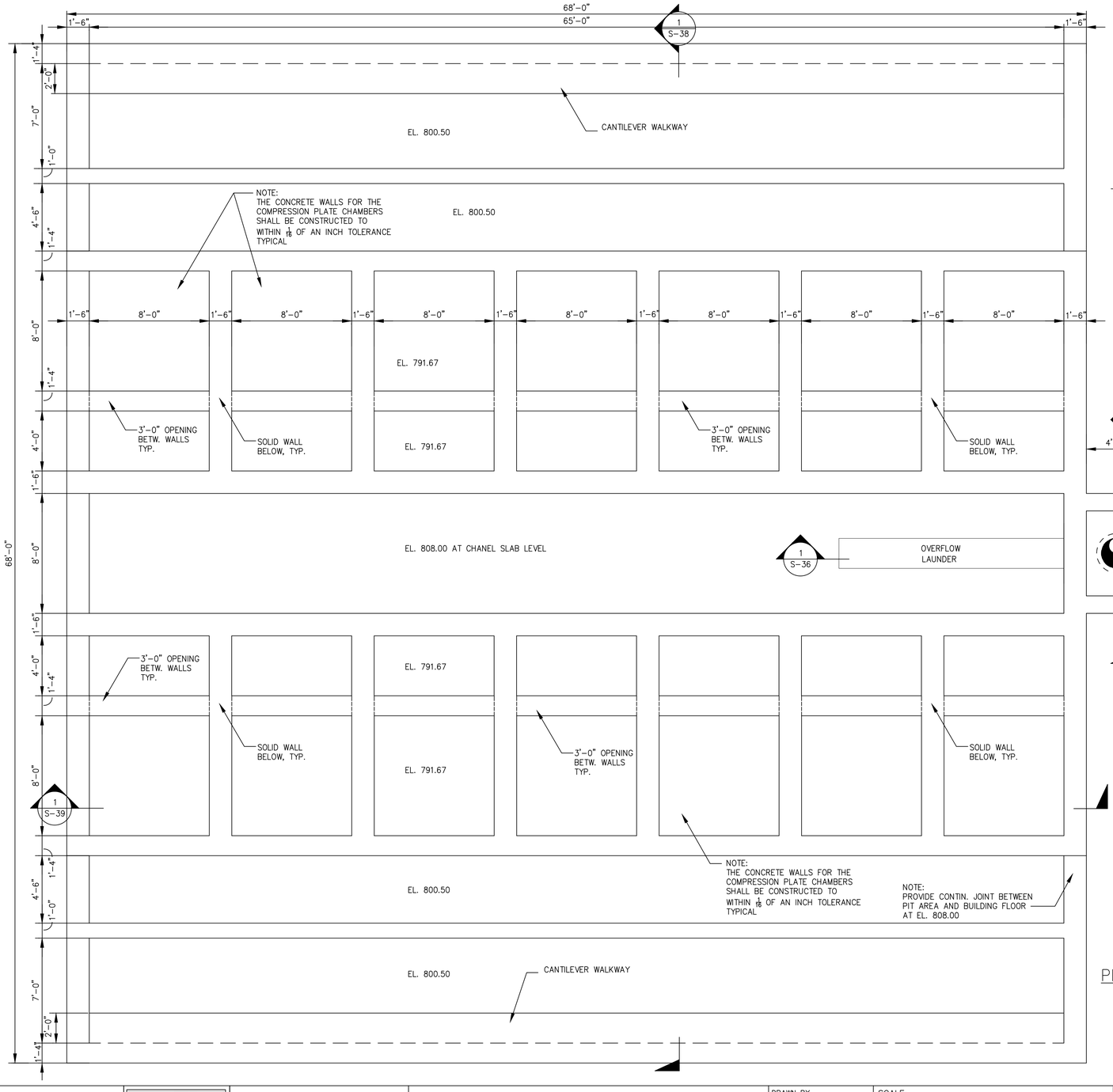

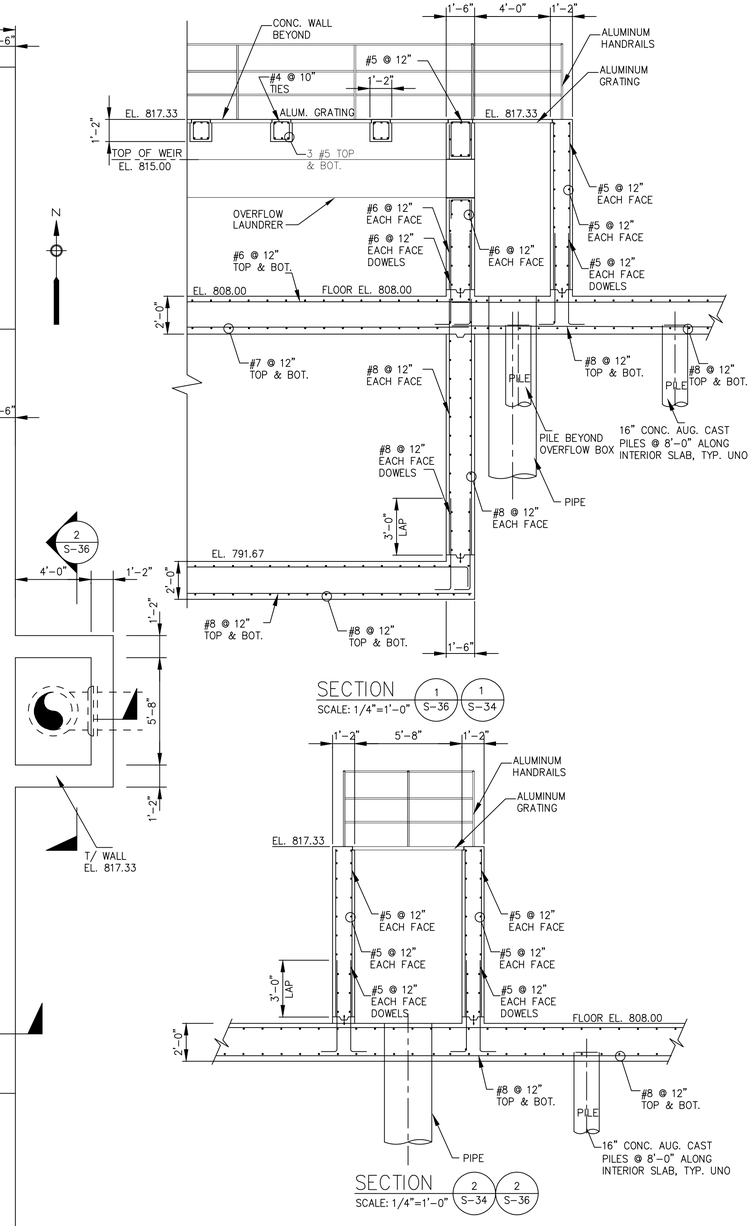

SECTION (1 S-36 / 1 S-34)
SCALE: 1/4"=1'-0"

SECTION (2 S-34 / 2 S-36)
SCALE: 1/4"=1'-0"

PLAN – FILTER LOWER LEVEL (EL. 800.50)

SCALE: 1/4"=1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY

DEPT. CHECK

PROJ. CHECK N. COOPER

SCALE: 1/4"=1'-0" (0 4 8 12 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING
FILTER LOWER LEVEL
PLAN & SECTIONS

STRUCTURAL — NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP036.dwg
SHEET S-36

PLOT DATE: July 31, 2014 @ 05:20:39 pm
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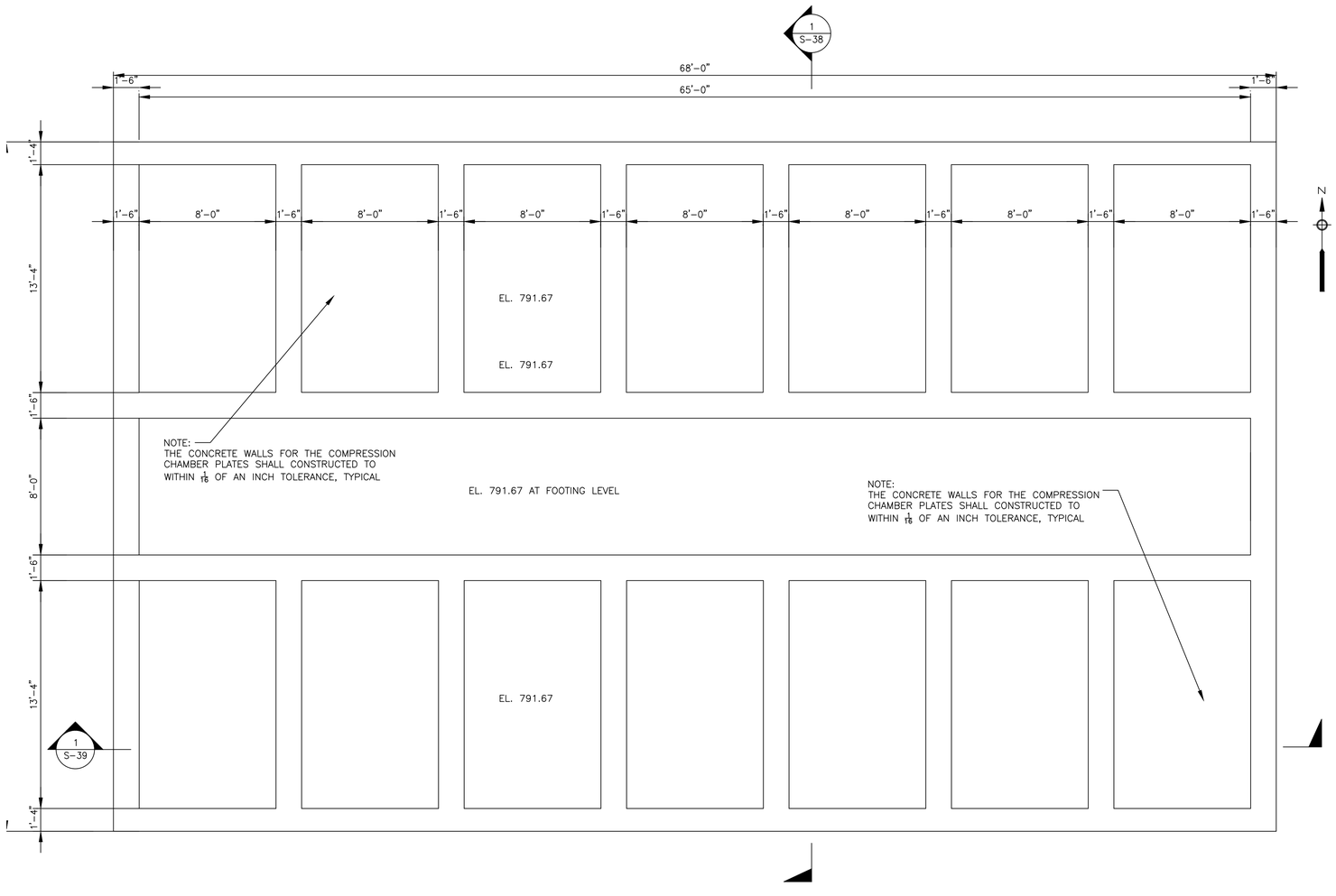
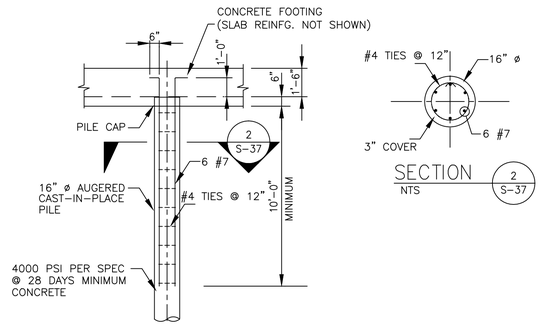


PLAN – FILTER OPERATION AREA LOWER PIT LEVEL
(EL. 791.67)
SCALE: 1/4"=1'-0"



SECTION
NTS
2
S-37

TYPICAL PILE REINFORCING DETAIL

SECTION
NTS
1
S-37

NOTE A:

CAST IN PLACE PILES:

1. AUGERED, CAST IN PLACE PILES SHALL BE 16" DIAMETER.
2. THE LOAD CAPACITY FOR 16" AUG. CAST PILES INSTALLED TO REFUSAL IS SPECIFIED IN GEOTECHNICAL SOILS REPORT AT 100 TONS.
3. THE TYPICAL DETAILS FOR PILES SHOWN ON DRAWING S-49 APPLY TO THE OTHER STRUCTURES SUPPORTED ON PILES ON THIS PROJECT.

NOTE B:

1. THE SOIL CONSISTENCY UNDER THE FILTER BUILDING IS VERY UNUSUAL. AT THE NORTHWEST SIDE OF THE BUILDING, THE STRUCTURE IS SUPPORTED ON ROCK, AND THEREFORE NO SUPPORT FROM PILES IS REQUIRED. AT THE SOUTHEAST SIDE OF THE BUILDING THE SOIL IS SUBJECT TO SETTLEMENT, AND THEREFORE PILES ARE USED TO SUPPORT THE STRUCTURE. THERE IS AN AREA OF TRANSITION, WHERE THE SOIL IS NOT DEEP ENOUGH TO ACCOMMODATE REGULAR PILES. WITHIN THESE AREAS, ANY UNSUITABLE MATERIAL HAS TO BE REMOVED AND REPLACED WITH COMPACTED CRUSHED STONE, OR OTHER SUITABLE MATERIAL, AS DIRECTED BY THE GEOTECHNICAL ENGINEER IN THE FIELD. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER OF RECORD, AND THE GEOTECHNICAL ENGINEER. TYPICAL.

2. THE SOIL BORING LOCATIONS, BORING LOGS, AND THREE SECTIONS SHOWING THE TRANSITION FROM ROCK TO BE EXCAVATED ON NW SIDE OF THE BUILDING, TO PILES TO BE PLACED TO REFUSAL ELEVATION 768.00, AT SW SIDE OF THE BUILDING ARE DOCUMENTED IN THE GEOTECHNICAL SOILS REPORT. THE REPORT INCLUDES ADDITIONAL DATA AND RECOMMENDATIONS.
COPIES OF THE GEOTECHNICAL SOILS REPORT CAN BE OBTAINED FROM THE CITY OF ATLANTA BY THE CONTRACTOR AND THE SUBCONTRACTORS BIDDING ON ITEMS CONCERNING PILES, ROCK AND SOIL EXCAVATION, AND OTHER ITEMS RELATED TO CONSTRUCTION ISSUES. THE INFORMATION WILL BE USEFUL IN ESTIMATING THE DEPTH OF THE PILING AND AMOUNT OF EXCAVATIONS.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

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REG. PROF. ENGR. _____ DATE _____
REG. PROF. ENGR. _____ DATE _____

DRAWN BY
DEPT. CHECK
PROJ. CHECK N. COOPER

SCALE:
0 4 8 12
1/4"=1'-0"
SCALE FEET

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING
OPERATION AREA LOWER PIT LEVEL (EL. 791.67)
PLAN AND TYP. PILE DETAILS

STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP037.dwg
SHEET S-37

PLOT DATE: July 31, 2014 @ 0521:04 pm
PATH/FILENAME: G:\Wwm\GASP\134 - CSO Group 1\3_DATA\P CON\08 EATP\Drawings\2008-ASP-1134-P037.dwg

105'-4"

CONC. BEAM 1'-2" #4 @ 10" TIES GRATING 3 #5 TOP & BOT. 1'-2"

SECTION 1/4"=1'-0" (4 / S-34)

PRE-ENGINEERED BUILDING

PRE-ENGINEERED BUILDING ROOF, SEE ARCHIT. DRAWINGS, AND PRE-ENGIN. BUILDING DRAWINGS

PRE-ENGINEERED FRAME

12 / 4

8" 6" CONTAINMENT CONC. WALL EL. 811.33 #4 @ 8, EF." #4 @ 8" CONT., EF. CONT. TRENCH SLOPES FROM (–) 4" TO (–) 8" EL. 808.00

SECTION 1/4"=1'-0" (2 / S-34)

2'-0" PUMP PEDESTAL COORD. W/ EQUIPMENT #4 @ 8" 2 #4 CONT. CONTAINMENT CONC. WALL & PUMP SUPPORT EL. 811.33 6" CONT. TRENCH SLOPES FROM (–) 4" TO (–) 8" #5 @ 8, EF." EL. 808.00 #4 @ 8 CONT., EF.

SECTION 1/4"=1'-0" (3 / S-34)

MC18X42.7 CONT. W/. L8X8X½ CONT. SPAN BETWEEN PRE-ENGINEERED BLDG. COLUMNS. WELD ANGLE TO MC18 AND CONNECT TO COLUMNS. TYPICAL.

ROOF BEAM, SEE PRE-ENGINEERED ROOF DRAWINGS

NOTE: PROVIDE SIMILAR 8" HOLLOW CORE SLAB INTERIOR ROOF CLOSURE AT THE OFFICE ROOMS AND AT THE MCC ROOM. THE TOP OF HOLLOW CORE SLAB ELEVATION SHALL BE AT 16'-0".

NOTE: THE PRE-ENGINEERED BUILDING SHALL BE DESIGNED TO MEET THE 2000 INTERNATIONAL BUILDING CODE REQUIREMENTS, TAKING INTO CONSIDERATION THAT THE BUILDING IS ENCLOSED BY CONCRETE MASONRY WALLS. MAXIMUM ALLOWABLE LATERAL DEFLECTION SHALL NOT EXCEED L/480.

NOTE: VERTICAL JOINTS SHALL BE PROVIDED IN THE CMU WALLS AND 4" SPLIT FACE BLOCK AT EACH COLUMN, TYPICAL. CMU WALL SHALL BE TIED INTO THE PRE-ENGINEERED COLUMNS AT EACH SIDE OF THE JOINT WITH BUTTERFLY TYPE CMU TIES WELDED TO THE COLUMNS.

ROOF BEAM, SEE PRE-ENGINEERED ROOF DRAWINGS

MC18X42.7 CONT. W/. L8X8X½ CONT. SPAN BETWEEN PRE-ENGINEERED BLDG. COLUMNS. WELD ANGLE TO MC18 AND CONNECT TO COLUMNS. TYPICAL.

EL.=18'-0"

#4 @ 16" DOWELS EMBED INTO CORES TYPICAL

8" PRECAST CONC. HOLLOW CORE SLAB (100 PSF LIVE LOADS)

#4 @ 1'-4" O.C. DOWELS

2" CONC. TOPPING

1'-6" LEG HORIZONTA PLANE, TYP.

EL. 826.00

EL. 825.34

8"

1'-6" LEG HORIZONTA PLANE, TYP.

NOTE: BRACE CMU WALLS AGAINST MC18x42.7, TYPICAL

EL. 822.67, TOP OF REMOVABLE CMU WALL

16" BOND BEAM, FILL CELLS W/ GROUT & 2 #6 CONT., TOP & BOT. TYPICAL

¾" EXP. ANCH. BOLTS, TYP.

ALUM. CANOPY W/ TS2X2X¼ MEMBERS COORD. W/ ARCHT. DWGS.

NOTE: THERE ARE ONE 16'-0" AND ONE 11'-4" WIDE PART OF CMU WALL THAT SHALL BE REMOVABLE IN FUTURE TO EL. 822.68. PROVIDE TS16X12X3/8 LINTEL BEAMS W/ 3/8" CONT. STL. PLATE FOR 4" SFB SUPPORT ABOVE THE OPENINGS. COORDINATE W/ ARCHIT. DWGS., TYP.

NOTE: PROVIDE HORIZONTAL TRUSS TIE REINFORCING AT 16". TYPICAL FOR ALL CMU & SFB WALLS.

12" CMU, FILL CELLS W/ GROUT & #5 @ 16"

12" CMU, FILL CELLS W/ GROUT & #5 @ 16"

25'-0"

8" 6" CONTAINMENT 8" CONC. WALL EL. 811.33 #4 @ 8, EF." #4 @ 8" CONT., EF. CONT. TRENCH SLOPES FROM (–) 4" TO (–) 8" #4 @ 8, EF." #4 @ 8" CONT., EF.

GRADE, SEE CIVIS & ARCHIT. DWGS. TYPICAL

FLOOR EL. 808.00

2'-0"

#6 @ 12" 1'-4" #8 @ 12" TOP & BOT.

PILE

16" CONC. AUG. CAST PILES, SEE PLANS, TYP.

1'-2" 7'-0" 7'-0" 7'-0" 6'-6"

8" 6" CONTAINMENT CONC. WALL EL. 811.33 #4 @ 8, EF." #4 @ 8" CONT., EF. TRENCH BEYOND 2'X2'X1' SUMP EL. 808.00

SECTION 1/4"=1'-0" (5 / S-34)

NOTE: PILES IN THIS AREA SHALL BE PROVIDED ONLY IF REQUIRED BY SOIL CONDITIONS, AND BASED ON DETERMINATION BY GEOTECHNICAL ENGINEER DURING CONSTRUCTION. SEE NOTE B, S-37.

ALUMIN. HANDRAIL WEIR SOLID WALL BETWEEN WEIR LOCATIONS 2½" ALUMIN. GRATING, (LIVE LOADS = 150 PSF) #5 @ 12" ALUMIN. HANDRAIL

1'-4" 7'-0" 1'-0" 4'-6" 1'-4" 8'-0" 1'-4" 4'-0" 1'-6" 8'-0" 1'-6" 4'-0" 1'-4" 8'-0" 1'-4" 4'-6" 1'-0" 7'-0" 1'-4" 4'-6 1/2"

2'-0"

EL. 817.33

ALUM. HANDRAIL TYP.

2 1/2" ALUMIN. GRATING, (LIVE LOADS = 150 PSF) TYPICAL

#5 @ 6" 1'-0"

EL. 814.00

#5 @ 12" #6 @ 12" EACH FACE #8 @ 12" EACH FACE" #6 @ 12" EACH FACE

18" x 18" #7 @ 12" TOP & BOT.

EL. 808.00

2'-0"

#6 @ 12" TOP & BOT.

EL. 806.00 EL. 805.00

4 #6 CONT. TOP & BOT.

#5 @ 12" EACH FACE #5 @ 12" EACH FACE

#6 @ 12" EACH FACE #8 @ 12" EACH FACE #8 @ 12" EACH FACE #8 @ 12" EACH FACE DOWELS 4 #8 CONT.

EL. 794.67

NOTE: FILL THIS AREA WITH SAND TO EL. 806.00

3'-0" LAP 4"

EL. 791.67

2'-0"

#8 @ 12 EACH FACE #8 @ 12" TOP & BOT.

4'-0" 7'-6"

16" CONC. AUG. CAST PILES, SEE PLANS, TYP.

SECTION 1/4"=1'-0" (1 / S-34)

2'-0" ALUM. HANDRAIL TYP. ALUM. GRATING TYPICAL #5 @ 6" FLOOR EL. 808.00 EL. 806.00 EL. 805.00 (FULL WIDTH OF OPENING) (TYP.) #5 @ 12" EACH FACE 4 #6 CONT. TOP & BOT. #6 @ 12" EACH FACE #5 @ 12" EACH FACE #8 @ 12" EACH FACE #8 @ 12" TOP & BOT. #8 @ 12" EACH FACE #8 @ 12" TOP & BOT.

12" CONC. WALL #5 @ 16" EACH FACE #5 @ 12" CONT. EACH FACE EL. 813.33 VENEER, SEE ARCHIT. DRAWINGS 1'-4" 2'-0" #6 @ 12" #8 @ 12" TOP & BOT. PILE 16" CONC. AUG. CAST PILES, SEE PLANS, TYP. EL. 800.50

NOTE: PILES IN THIS AREA SHALL BE PROVIDED ONLY IF REQUIRED BY SOIL CONDITIONS, AND BASED ON DETERMINATION BY GEOTECHNICAL ENGINEER DURING CONSTRUCTION. SEE NOTE B, S-37.

3'-0" 3'-0" 1'-2"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. DATE

REG. PROF. ENGR. DATE

DRAWN BY

DEPT. CHECK

PROJ. CHECK N. COOPER

SCALE: 1/4"=1'-0" 0 4 8 12 SCALE FEET

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING SECTIONS

STRUCTURAL NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE SZETP038.dwg

SHEET S-38

PLOT DATE: July 31, 2014 @ 0521:30 pm

PATH/FILENAME: G:\Work\GABPA134 - CSO Group 1\3_DATA\Yr CON\08 EXTP\Drawings\2008 ISSUE\PDF\SZETP038.dwg

PRE-ENGINEERED BUILDING

NOTE:
THE PRE-ENGINEERED BUILDING SHALL BE DESIGNED TO MEET THE 2000 INTERNATIONAL BUILDING CODE REQUIREMENTS, TAKING INTO CONSIDERATION THAT THE BUILDING IS ENCLOSED BY CONCRETE MASONRY WALLS. MAXIMUM ALLOWABLE LATERAL DEFLECTION SHALL NOT EXCEED L/480.

NOTE:
VERTICAL JOINTS SHALL BE PROVIDED IN THE CMU WALLS AND 4" SPLIT FACE BLOCK AT EACH COLUMN, TYPICAL.
CMU WALL SHALL BE TIED INTO THE PRE-ENGINEERED COLUMNS AT EACH SIDE OF THE JOINT WITH BUTTERFLY TYPE CMU TIES WELDED TO THE COLUMNS.

NOTE:
THE ALUMINUM STAIR SUBCONTRACTOR IS RESPONSIBLE TO COMPLETELY DESIGN AND DETAIL THE STAIRS BASED ON THE APPLICABLE CODE REQUIREMENTS. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE ENGINEER OF RECORD. LANDING, HANDRAILS AND GUIDERAILS SHALL BE INCLUDED AND DESIGNED PER CODE REQUIREMENTS.

PRE-ENGINEERED BLDG. COLUMN

MC13X31.8 CONT. W/. L8X8X$\frac{3}{4}$ CONT. SPAN BETWEEN PRE-ENGINEERED BLDG. COLUMNS. WELD ANGLE TO MC13 AND CONNECT TO COLUMNS. TYPICAL.

EL.=18'-0"

NOTE:
BRACE CMU WALLS AGAINST MC13, TYPICAL

16" BOND BEAM, FILL CELLS W/ GROUT & #6 CONT., TOP & BOT. TYPICAL

NEER, SEE CHIT. DWGS.

8" CMU, FILL CELLS W/ GROUT & #5 @ 2'-8" TYPICAL, UNLESS SHOWN OTHERWISE

ALUMINUM HANDRAILS

EL. 817.33

ALUMINUM STAIRS

813.33

#5 @ 16"

#5 @ 12" CONT.

#6 @ 12"

EL. 808.00

2'-0"

1'-4"

#7 @ 12" TOP & BOT.

#8 @ 12" TOP & BOT.

#8 @ 12" EACH FACE

2½" ALUMINUM GRATING (LIVE LOADS = 150 PSF) TYPICAL

#5 @ 12"

1'-6"

8'-0"

FLOOR EL. 808.00

#8 @ 12" EACH FACE DOWELS

3'-0" LAP

EL. 791.67

2'-0"

EL. 794.67

OPEN

#8 @ 12" TOP & BOT.

CONC. WALL BEYOND

ALUMINUM STAIRS

#4 @ 16" DOWELS EMBED INTO CORES. TYPICAL

1'-6" LEG HORIZONTAL PLANE, TYP.

1'-6" LEG HORIZONTAL PLANE

EL.=16'-0"

8" PRECAST CONC. HOLLOW CORE SLAB BEYOND. (100 PSF LIVE LOADS)

16" BOND BEAM, FILL CELLS W/ GROUT & #6 CONT., TOP & BOT. TYPICAL

8" CMU, FILL CELLS W/ GROUT & #5 @ 16"

8" CMU, FILL CELLS W/ GROUT & #5 @ 16" ALONG HOLLOW CORE SLAB. FILL CELLS W/ GROUT & # 5 @ 2'-8" BEYOND HCS.

PRE-ENGINEERED BLDG. COLUMN

MC13X31.8 CONT. W/. L8X8X$\frac{3}{4}$ CONT. SPAN BETWEEN PRE-ENGINEERED BLDG. COLUMNS. WELD ANGLE TO MC13 AND CONNECT TO COLUMNS. TYPICAL.

EL.=18'-0"

NOTE:
BRACE CMU WALLS AGAINST MC13, TYPICAL

GRADE, SEE CIVIL & ARCHIT. DWGS. TYPICAL

FLOOR EL. 808.00

PILE

#8 @ 12" TOP & BOT.

#6 @ 12"

16" CONC. AUG. CAST PILES, SEE PLAN, TYP.

INVERTED KEYWAY IN LIEU OF STARTER WALL (TYP. AT ALL WALLS IN BUILDING)

6'-6"

1'-2"

15'-8"

1'-6"

65'-0"

33'-8"

117'-4"

SECTION 1/S-34
1/4"=1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

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DEPT. CHECK

PROJ. CHECK N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING SECTIONS

STRUCTURAL NOVEMBER 2004

JOB 036202040

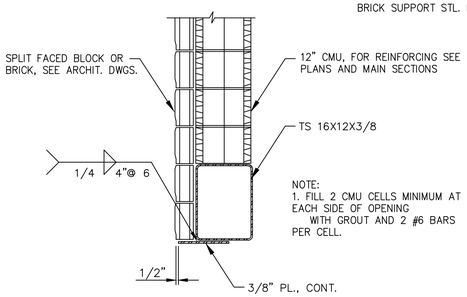
FILE NO. _____

CADD FILE SZETP039.dwg

SHEET S-39

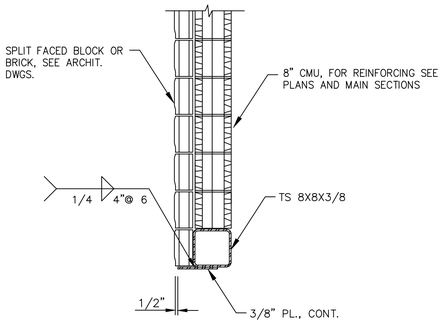
PLOT DATE: July 31, 2014 @ 0522:06 pm

PATH/FILENAME: G:\Wwm\CAD\PA134 - CSO Group 1\3_DATV\ CCA\08 EXPT\Drawings\20085-555 (PWP)(Z)(dwg to .dgn (@)(@)(@)(@) Tim(1)\S_SZETP039.dwg



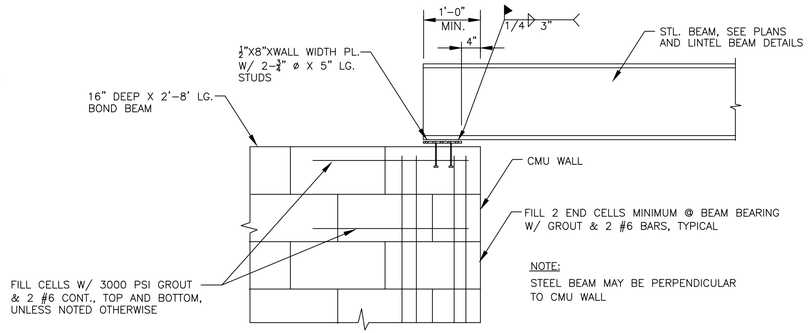
TYPICAL STEEL LINTEL, SPANS 8'–6" TO 16'–0"

SECTION 1 S–40
3/4"=1'–0"



TYPICAL STEEL LINTEL, SPANS 8'–6" TO 14'–0"

SECTION 2 S–40
3/4"=1'–0"



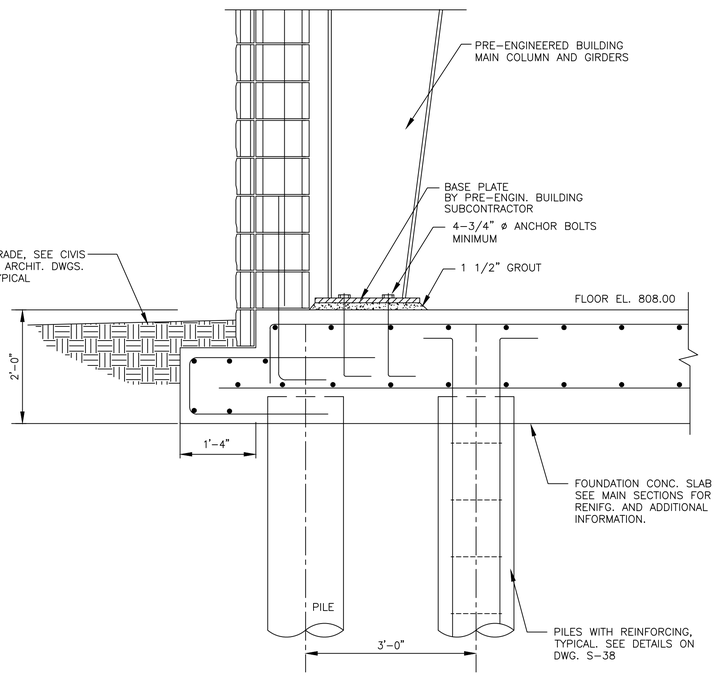
TYP. BRG. DETAIL FOR STL. BM. ON CMU WALL

SECTION 3 S–40
NTS

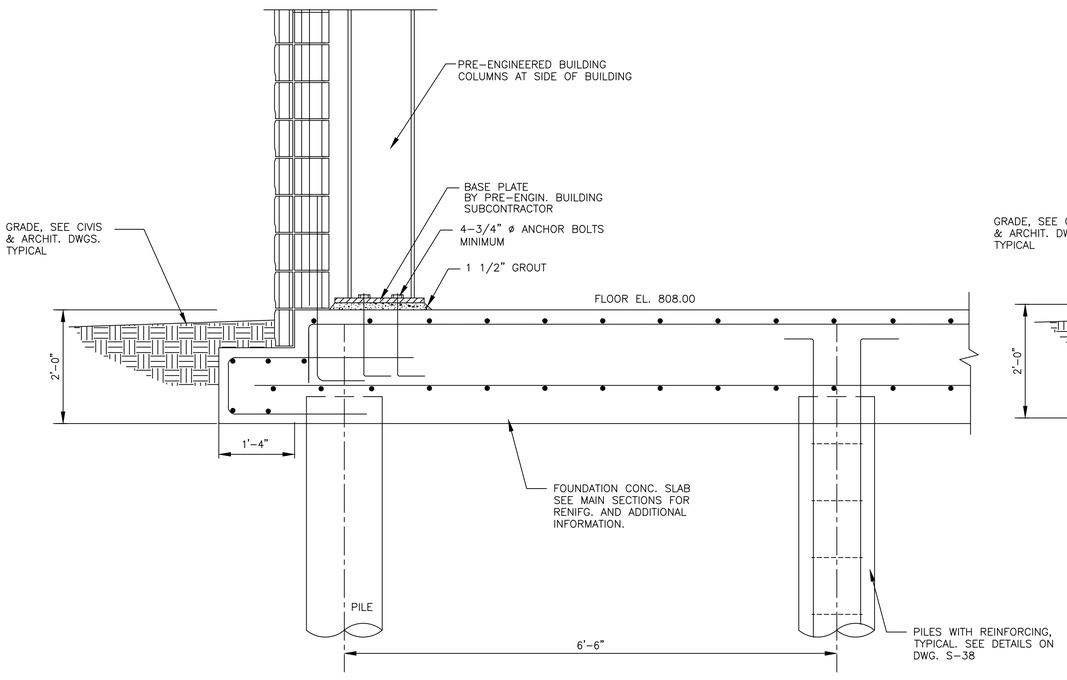
CONCRETE MASONRY LINTEL SCHEDULE				
SPAN	DEPTH	REINFORCING		
		6" WALL	8" WALL	12" WALL
0 TO 4'–0"	16"	1 – #5 T&B	2 – #5 T&B	2 – #5 TOP 2 – #6 BOT.
4'–2" TO 5'–6"	16"	1 – #5 T&B	2 – #5 T&B	2 – #5 TOP 2 – #6 BOT.
6'–0" TO 8'–0"	24"	1 – #6 T&B	2 – #5 T&B	2 – #6 TOP 2 – #7 BOT.

NOTES:
1. PROVIDE 16" BEARING (MIN) AT EACH SIDE OF OPENING
2. 16" DEEP LINTEL MAY BE CONSTRUCTED OF 8" 'U' BLOCK BELOW AND 8" STD BLOCK WITH BREAK TOP PART OF WEB
3. COVER TO BOTTOM REINFORCING SHALL BE 2 1/2" FROM BOTTOM OF LINTEL

4" BRICK OR SPLIT FACED BLOCK LINTEL SCHEDULE	
OPENING	LINTEL SIZE
0 TO 4'–0"	L 4 X 4 X 5/16
4'–2" TO 6'–0"	L 6 X 4 X 5/16 (LLV)
6'–2" TO 8'–0"	L 6 X 4 X 3/8 (LLV)
CURB SUPPORT @ ROOF	L 6 X 4 X 3/8 (LLV)
LINTEL BEARING OF 8" ON EACH SIDE OF OPENING (TYP.)	



SECTION 4 S–34
3/4"=1'–0"



SECTION 5 S–34
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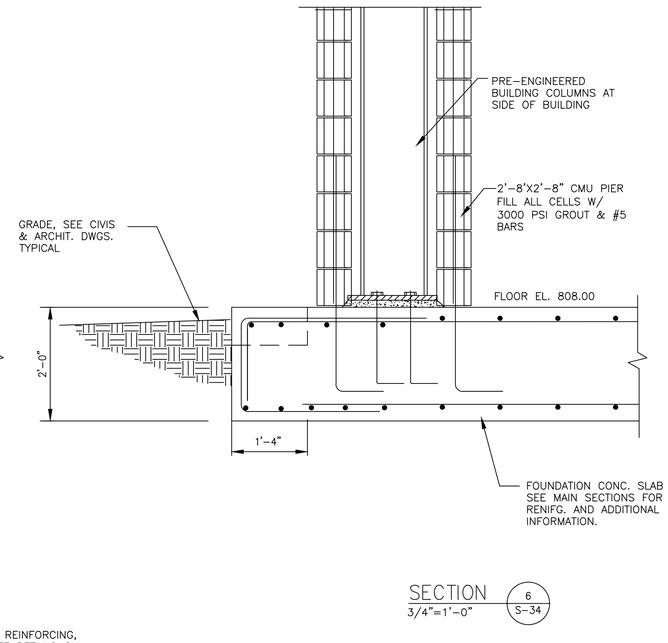

SECTION 6 S–34
3/4"=1'–0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1–2008	MF	SJ	AS–BUILT DRAWING

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SCALE: 1/4"=1'–0" (0, 4, 8, 12 SCALE FEET)

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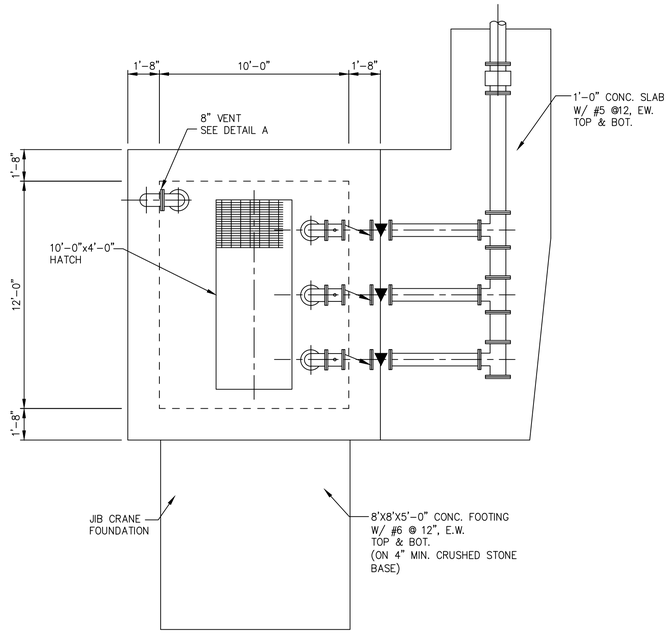
CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING SECTIONS

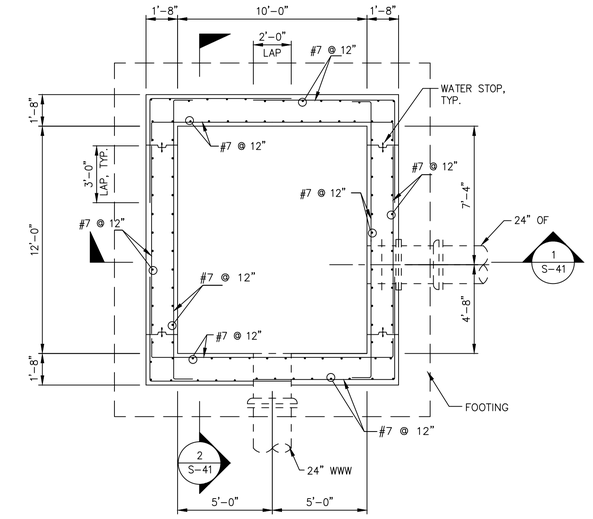
STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP040.dwg
SHEET S–40

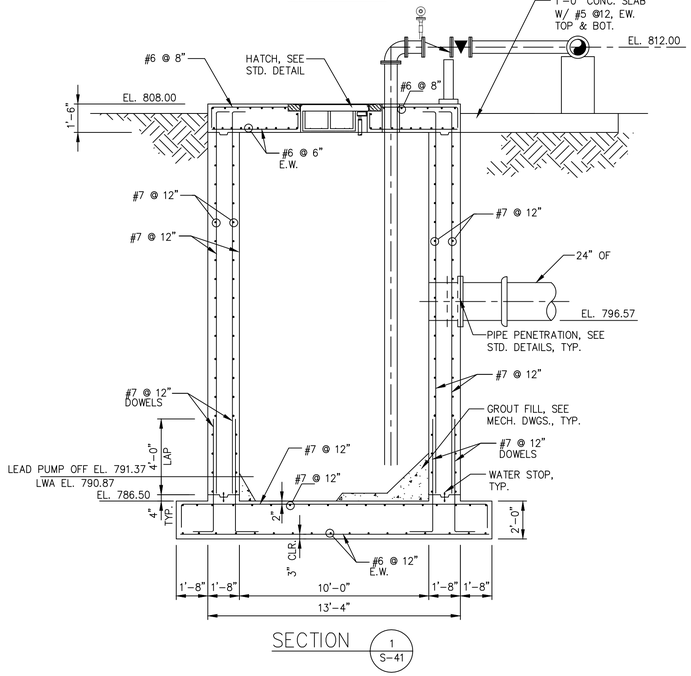
PLOT DATE: July 31, 2014 @ 05:22:56 pm
PATH/FILENAME: G:\Wem\G4BP4134 – CSO Group 1\1_DATA\c. COA\08 EAP\Drawings\2006\SZETP040.dwg



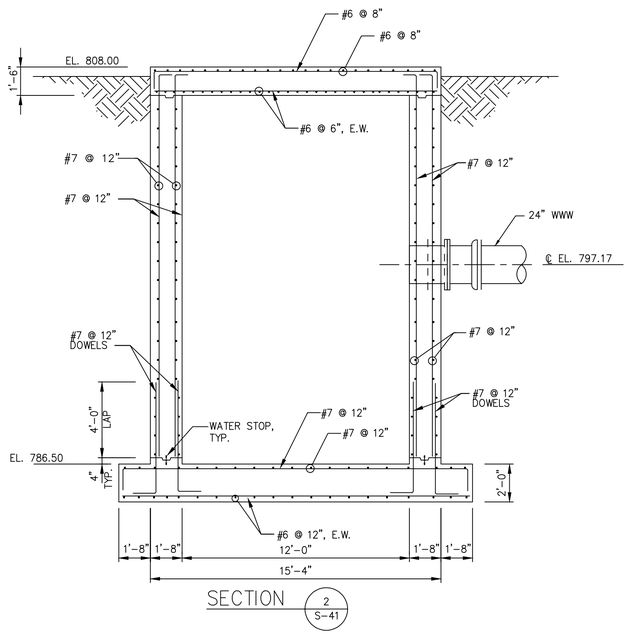
PUMP STATION
TOP PLAN



PUMP STATION
BOTTOM PLAN



SECTION 1 S-41



SECTION 2 S-41

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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N. COOPER

SCALE:
0 4 8 12
1/4"=1'-0"
SCALE FEET

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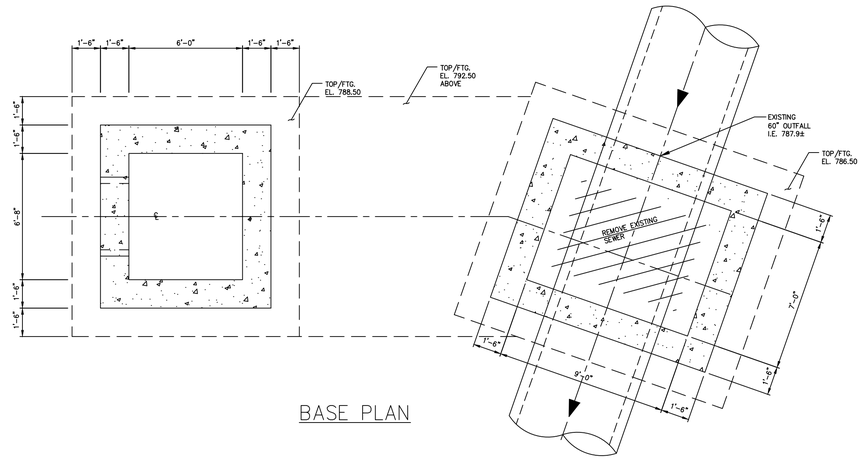
CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

WASTE WASHWATER PUMPING STATION
PLANS AND SECTIONS

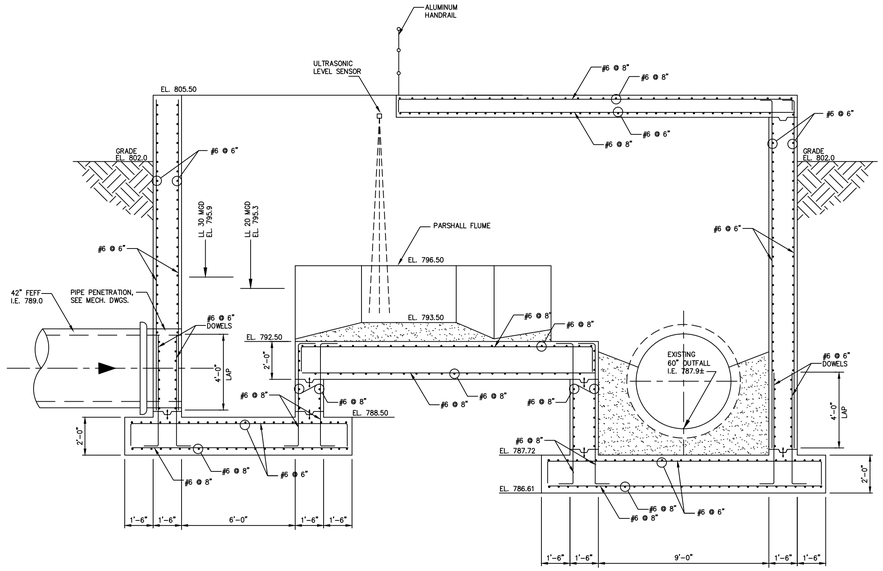
STRUCTURAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE SZETP041.dwg
SHEET S-41

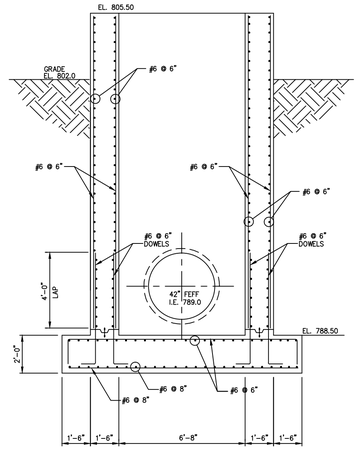
PLOT DATE: July 31, 2014 @ 05:23:28 pm
PATH/FILENAME: G:\Wem\GAEPA134 - CSO Group 1\3_DATA\c CGA\08 EATP\Drawings\2008 AS-BUILTS\SZETP041.dwg



BASE PLAN



SECTION 1 S-44
SCALE: 1"=1'-0"



SECTION 2 S-44
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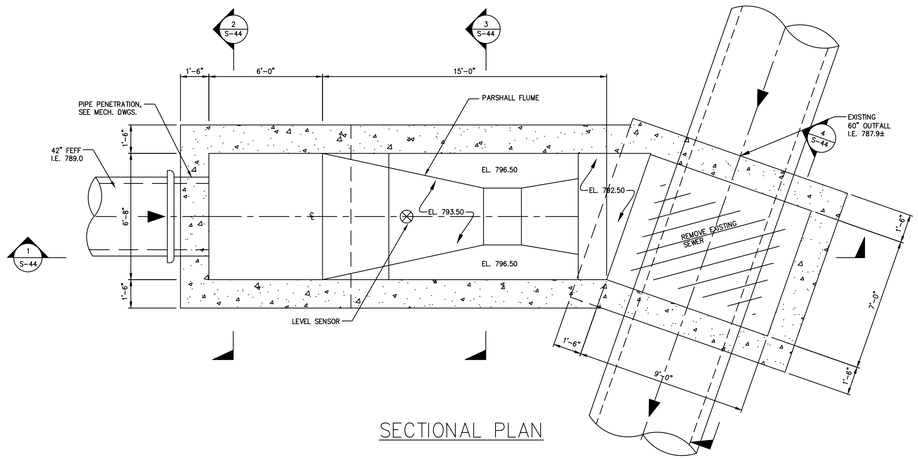
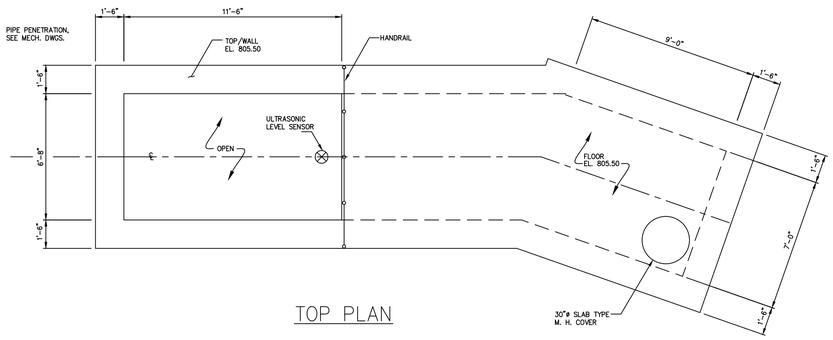
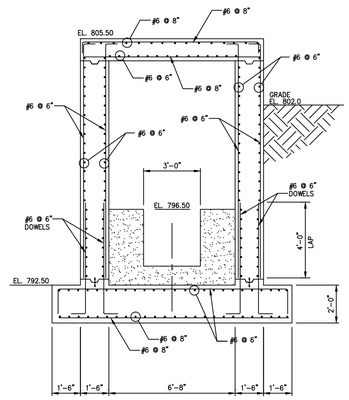


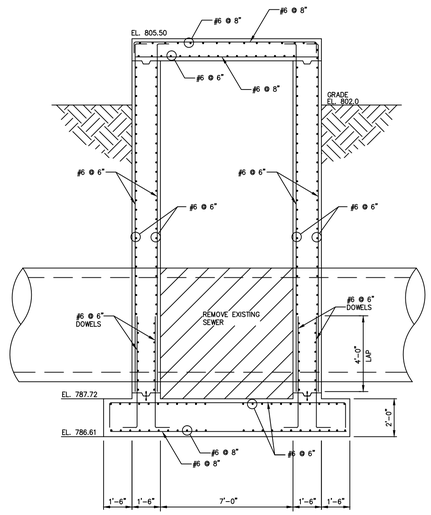
SECTIONAL PLAN



TOP PLAN



SECTION 3 S-44
SCALE: 1"=1'-0"



SECTION 4 S-44
SCALE: 1"=1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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N. COOPER

SCALE:
1/4"=1'-0"
0 4 8 12
SCALE FEET

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

EFFLUENT PARSHALL FLUME

STRUCTURAL

NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE SZETP044.dwg

SHEET S-44

PLOT DATE: July 31, 2014 @ 05:24:22 pm

PATH/FILENAME: G:\Wem\SABPA134 - CSO Group 1\3_DAT\r COA\08 EATP\Drawings\2008\ASBUILT\SZETP044.dwg

DWG. ABBREV.	ITEM	SYMBOL
	GATE VALVE	
	KNIFE VALVE	K
	PLUG VALVE	
	BUTTERFLY VALVE	
	BALL VALVE	
	BALL CHECK VALVE	
	3-WAY BALL VALVE	
	DIAPHRAGM VALVE	
	HOSE BIBB	HB
	PRESSURE REDUCING VALVE	
	BACK PRESSURE VALVE	
	GLOBE VALVE	
	3-WAY PLUG VALVE	
	ANGLE VALVE	
	CHECK VALVE	
	NEEDLE VALVE	
	RELIEF VALVE	
	PINCH VALVE	
	ROTAMETER	
	UNION	
	INSECT SCREEN	
	FLEXIBLE HOSE	
SG	SLUICE GATE	
SLG	FABRICATED SLIDE GATE	
	PULSATION DAMPENER	
	CALIBRATION STANDPIPE (COLUMN)	
W	WEIR	W
	QUICK DISCONNECT COUPLING	
	STATIC MIXER	
	SPLIT SLEEVE COUPLING	
	DEMISTER	

DWG. ABBREV.	ITEM	SYMBOL
	TELESCOPING VALVE	T
	FLAP VALVE	
	MUD VALVE	
WS	WATER SURFACE	
	ORIFICE PLATE	
	PIPE: 6" & SMALLER	
	PIPE: 8" & LARGER	
	FLANGE	
BF	BLIND FLANGE	BF / BF
PO	PUSH ON JOINT	
	SLEEVE COUPLING	
	RESTRAINED SLEEVE COUPLING	
FE	FLOW RATE CONTROLLER	
FE	VENTURI FLOW METER	
FE	MAGNETIC FLOW METER	
	WELDED	
	EXISTING PIPE & FACILITIES	
	PROPOSED PIPE & FACILITIES	
	EXISTING PIPE & FACILITIES TO BE REMOVED	
	EXISTING PIPE & FACILITIES TO BE ABANDONED	
	INSULATION (PIPE 8" & SMALLER)	
	INSULATION (PIPE 10" & LARGER)	
GR	GROOVED COUPLING (PIPE 8" & SMALLER)	
GR	GROOVED COUPLING (PIPE 10" & LARGER)	
	FLEXIBLE CONNECTOR	
	FLEX. CONN. W/ CONTROL RODS	

DWG. ABBREV.	ITEM	SYMBOL
	WYE STRAINER	
G	GAUGE	
	DIRECTION OF FLOW	
	PITCH PIPE DOWN IN DIRECTION OF ARROW	
	CONCENTRIC REDUCER	
F.O.T.	ECCENTRIC REDUCER FLAT ON TOP	
F.O.B.	ECCENTRIC REDUCER FLAT ON BOTTOM	
A	ANCHOR	
	SPECTACLE FLANGE	
	LIMITS OF WORK (TRADE, CONTRACT, ETC.)	
	POINT OF CONNECTION NEW WORK TO EXISTING WORK	
	NEW CONCRETE	
	EXISTING CONCRETE	

ACTUATORS

	MOTOR OPERATED	M
	SOLENOID OPERATED	S
	DIAPHRAGM	D
	CYLINDER – HYDRAULIC	H
	CYLINDER – PNEUMATIC	P
	EQUIPMENT MOTOR	M

WALL CASTINGS

FLG x PO	FLANGE AND PUSH ON JOINT	WATERSTOP
PO x PO	PUSH ON JOINT AND PUSH ON JOINT	
PO x PE	PUSH ON JOINT AND PLAIN END	
FLG x FLG	FLANGE AND FLANGE	
FLG x PE	FLANGE AND PLAIN END	

CHEMICAL NOTES

1. ALL EQUIPMENT PADS EXCEPT STORAGE TANKS SHALL BE THE SAME HEIGHT AS THE HEIGHT OF CONTAINMENT CURBS UNLESS OTHERWISE INDICATED ON DRAWINGS.
2. ALL VERTICAL PIPE PENETRATIONS IN CURBED AREAS SHALL HAVE SLEEVES OF THE SAME HEIGHT AS THE HEIGHT OF THE CURBS. FOR ADDITIONAL INFORMATION ON THE SLEEVES REFER TO STANDARD DETAILS.
3. EXCEPT WHERE SPECIFICALLY SHOWN ON THE DRAWINGS ALL PIPE ELEVATIONS ARE TO BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
4. EXCEPT WHERE SPECIFICALLY SHOWN ON THE DRAWINGS, PIPE ROUTING IS TO BE DETERMINED BY THE CONTRACTOR SUBJECT TO APPROVAL BY THE ENGINEER. SMALL PIPE ROUTING MUST NOT INTERFERE WITH ACCESS TO OR OPERATION OF ANY OTHER PIPE, VALVE, OR EQUIPMENT.
5. PIPE UNIONS SHALL BE PROVIDED AT ALL PIPING CONNECTIONS TO AND FROM EQUIPMENT AND AS SHOWN ON SYSTEM SCHEMATICS.
6. LOCATE BACK PRESSURE VALVES, VENT VALVES, AND ASSOCIATED ITEMS NO HIGHER THAN 6 FT ABOVE THE OPERATING LEVEL. ALL EXCEPTIONS SHALL BE APPROVED BY THE ENGINEER.
7. HORIZONTAL RUNS OF CPVC, PVC AND ALL OTHER PLASTIC PIPE OR TUBING SHALL BE SUPPORTED ON FIBERGLASS ANGLE OR UNISTRUT WITH A MAXIMUM HANGER SPACING OF 5 FT. SUPPORT VERTICAL RUNS WITH CLAMPS AT A MAXIMUM SPACING OF 3 FT. ON CENTER, SEE SPECIFICATIONS.
8. ALL EQUIPMENT REQUIRING VENTING TO ATMOSPHERE SHALL HAVE VENTS LOCATED AWAY FROM ANY BUILDING OPENINGS.
9. FOR TANK DETAILS, SEE TANK SCHEDULE AND STANDARD DETAILS.
10. PROVIDE HOSE ON ALL DRAINS FOR METERING PUMP DISCHARGE LINES OF THE SAME SIZE AS INDICATED ON DRAWINGS AND TERMINATED 12" ABOVE FINISHED FLOOR.
11. INSTALL TRANSFER PUMPS DISCHARGE HEADER MIN. 6" ABOVE STORAGE TANK MAXIMUM LIQUID LEVEL.

GENERAL NOTES

1. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE STANDARD MECHANICAL DETAILS WHICH ARE PART OF THE CONTRACT DRAWINGS.
2. THE CONTRACTOR SHALL MAKE ALL REQUIRED FIELD MEASUREMENTS TO VERIFY EXISTING AND CONTRACT INTERFACE DIMENSIONS, LOCATIONS, AND OTHER CONDITIONS.
3. WHEN MAKING NEW CONNECTIONS TO EXISTING PIPING, THE CONTRACTOR MAY, AT HIS OPTION:
   A. REPLACE PIPING BACK TO NEAREST FITTING.
   B. USE SLEEVE COUPLING OR FLANGE ADAPTERS (RESTRAINED ON PRESSURE LINES).
4. REFER TO STRUCTURAL AND ARCHITECTURAL DRAWINGS FOR COVER PLATES, HATCHES, GRATING AND RAILING DETAILS.
5. ALL PIPING UNDER CONCRETE SLABS OR STRUCTURES SHALL BE ENCASED IN CONCRETE, UNLESS OTHERWISE NOTED, REFER TO STRUCTURAL DRAWINGS.
6. ALL PIPING ENCASED IN CONCRETE SHALL HAVE PUSH-ON JOINTS AT ALL STRUCTURAL EXPANSION JOINTS.
7. PROVIDE EXPANSION JOINTS WITH CONTROL RODS FOR ALL EXPOSED PIPING CROSSING STRUCTURAL EXPANSION JOINTS.
8. ALL DIMENSIONS LOCATING EQUIPMENT ARE FROM FINISHED WALL SURFACES OR COLUMN CENTERLINES.
9. PROVIDE LIFTING HOOKS ABOVE ALL VALVES 8-INCH AND LARGER WHERE VALVES ARE LOCATED 8 FT. AND HIGHER ABOVE OPERATING FLOOR. FOR DETAILS REFER TO STRUCTURAL DRAWINGS.
10. REFER TO INSTRUMENTATION DRAWINGS FOR INSTRUMENTATION AND CONTROL SYSTEMS. INSTRUMENT LOCATIONS ARE INDICATED ON MECHANICAL-PROCESS DRAWINGS IN APPROXIMATE LOCATION ONLY.
11. IN-LINE INSTRUMENTATION SHALL BE PROVIDED WITH ISOLATED PRESSURE CONNECTIONS, SEE INSTRUMENTATION DRAWINGS.
12. FOR CONTINUATION OF PIPING OUTSIDE STRUCTURES, SEE CIVIL DRAWINGS.

GENERAL NOTES CON'T

13. WALL AND FLOOR SLEEVES SHALL BE LARGE ENOUGH TO ACCOMMODATE FLANGES IF REQUIRED. FLOOR SLEEVES SHALL PROJECT AT LEAST 4-IN. ABOVE FINISHED FLOOR UNLESS OTHERWISE SHOWN, REFER TO DETAILS.
14. PROVIDE WALL FITTINGS WITH WATERSTOP FOR ALL BURIED AND SUBMERGED PIPELINES AND FOR PIPING LOCATED WITHIN 2 FT. OF MAXIMUM WATER SURFACE. WALL FITTINGS 4-IN AND LARGER – DUCTILE IRON, 3-IN AND SMALLER – 316L STAINLESS STEEL.
15. ALL PIPE PENETRATIONS THROUGH INTERIOR AND EXTERIOR WALLS AND FLOORS SHALL BE SEALED WATERTIGHT. ROOF PENETRATIONS SHALL BE SEALED IN ACCORDANCE WITH ARCHITECTURAL DETAILS.
16. SLEEVE OR GROOVED COUPLINGS MAY BE USED WHERE SHOWN OR SCHEDULED.
17. ALL FLEXIBLE CONNECTORS, INCLUDING EXPANSION JOINTS AND SLEEVE COUPLINGS SUBJECT TO PRESSURE SHALL BE RESTRAINED AS INDICATED OR AS REQUIRED FOR EXPANSION AND FOR FLEXIBILITY.
18. PROVIDE ALL LIQUID PIPING WITH 3/4 " LOW POINT DRAINS AND 3/4 " HIGH POINT VENTS. DRAINS AND VENTS TO INCLUDE BALL VALVE AND CAP.
19. PROVIDE 1-1/4" GATE VALVE AT INVERT OF ALL BLIND FLANGES ON SLUDGE LINES.
20. PROVIDE 2" BALL VALVE WITH 1-1/4" HOSE CONN. ADAPTER AT HORIZONTAL CENTERLINE OF PIPE FOR SAMPLE CONNECTIONS WHERE SHOWN.
21. ALL HOSE GATES SHALL BE CLEARLY LABELED INDICATING TYPE OF SERVICE (W3, ETC.). SEE SPECIFICATIONS.
22. SMALL PIPING (SAMPLE, SERVICE WATER, ETC.) IS SHOWN DIAGRAMATICALLY: FIELD SUBJECT TO APPROVAL OF THE ENGINEER. SMALL PIPE ROUTING MUST NOT INTERFERE WITH ACCESS TO OR OPERATION OF ANY OTHER PIPE, VALVE, OR EQUIPMENT.
23. PORTIONS OF NON-PROCESS PIPING (PLUMBING, HVAC, CIVIL) ARE SHOWN FOR CLARITY OF DESIGN ONLY: REFER TO APPROPRIATE DRAWINGS AND SPECIFICATIONS FOR REQUIREMENTS.
24. ALL PROCESS EQUIPMENT, INCLUDING BLOWERS, PUMPS AND COMPRESSORS, SHALL BE ISOLATED FROM PIPING LOADS AND DYNAMICS BY FLEXIBLE CONNECTORS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AS SPECIFIED, EXCEPT AS OTHERWISE REQUIRED.
25. CONTRACTOR SHALL PROTECT ALL EQUIPMENT, PIPING, AND VALVES FROM DAMAGE DURING DEMOLITION OF DEFECTIVE WORK. ALL REPAIRS TO DAMAGED EQUIPMENT, PIPE, AND VALVES SHALL BE PREFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
26. BASE ELBOWS AND PIPE BRACES SHOWN ARE FOR PURPOSES OF ILLUSTRATION ONLY.
27. ALL PIPE PENETRATIONS INTO THE FOLLOWING AREAS SHALL BE SEALED GASTIGHT:
    A. ALL AREAS DESIGNATED CLASS 1, DIV 1
28. PROVIDE WALL MOUNTED SIGNS, IN ACCORDANCE WITH SPECIFIED ARCHITECTURAL REQUIREMENTS FOR ALL EXTERIOR WALL PENETRATIONS, INDICATING PIPE ORIGIN OR DESTINATION AND PIPE LABEL.
29. FOR PUMP SEAL WATER, VENT, DRAIN, PRESSURE GAUGE, VALVING AND PIPING SEE DETAILS.
30. PROVIDE CONCRETE PADS FOR ALL FLOOR MOUNTED PROCESS EQUIPMENT, REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
31. PER RFI #10, CSO PIPING AND GRIT PIPING IS ACIPCO'S PROTECTED COATED. ALL OTHER DUCTILE IRON PIPING IS CEMENT LINED AND COATED AS PER SPECS.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

City of Atlanta
Department of Watershed Management
Protecting Our Future

Metcalf & Eddy

SKING Associates, Inc. ENGINEERS · PLANNERS · MANAGERS

REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY	A. BLANTON
DEPT. CHECK	F. O'HARA
PROJ. CHECK	N. COOPER

SCALE: NONE

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

MECHANICAL LEGEND AND NOTES

MECHANICAL NOVEMBER 2004

JOB	036202040
FILE NO.	
CADD FILE	MZETP001.dwg
SHEET	M-1

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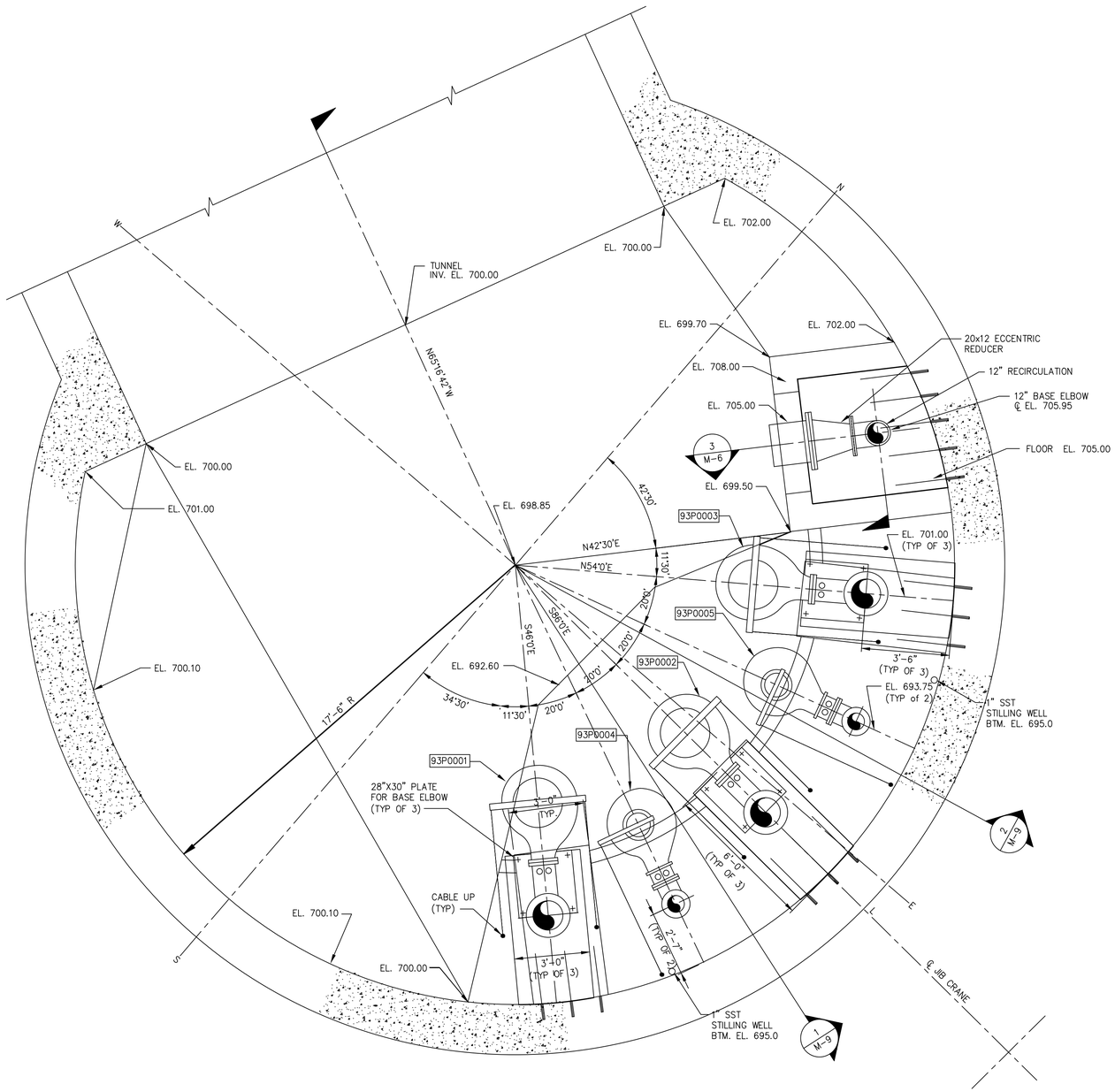

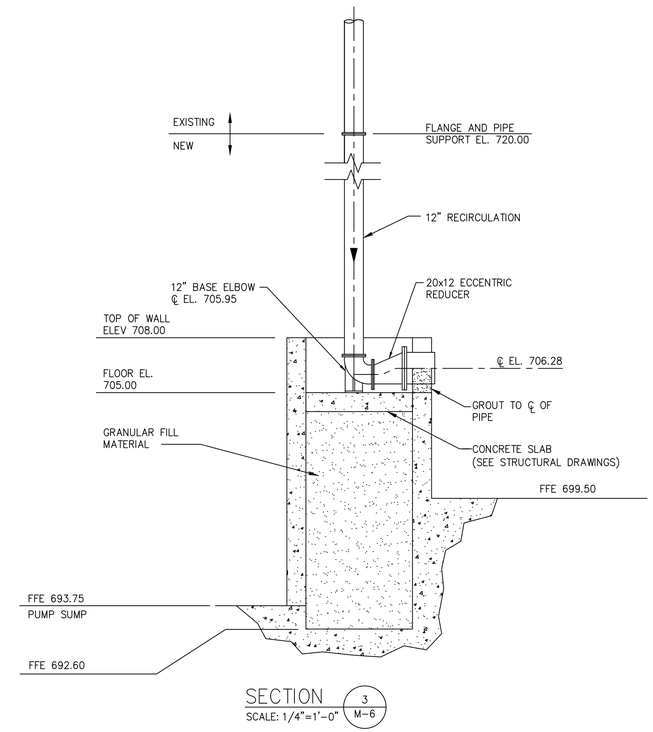

SECTION (3 / M-6)
SCALE: 1/4"=1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: B. STOLT
PROJ. CHECK: N. COOPER

SCALE: 3/8"=1'-0" (0 2 4 6 8 SCALE FEET)

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

TUNNEL PUMPING STATION
BASE PLAN

MECHANICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP006.dwg
SHEET M-6

PLOT DATE: July 31, 2014 @ 03:09:28 pm

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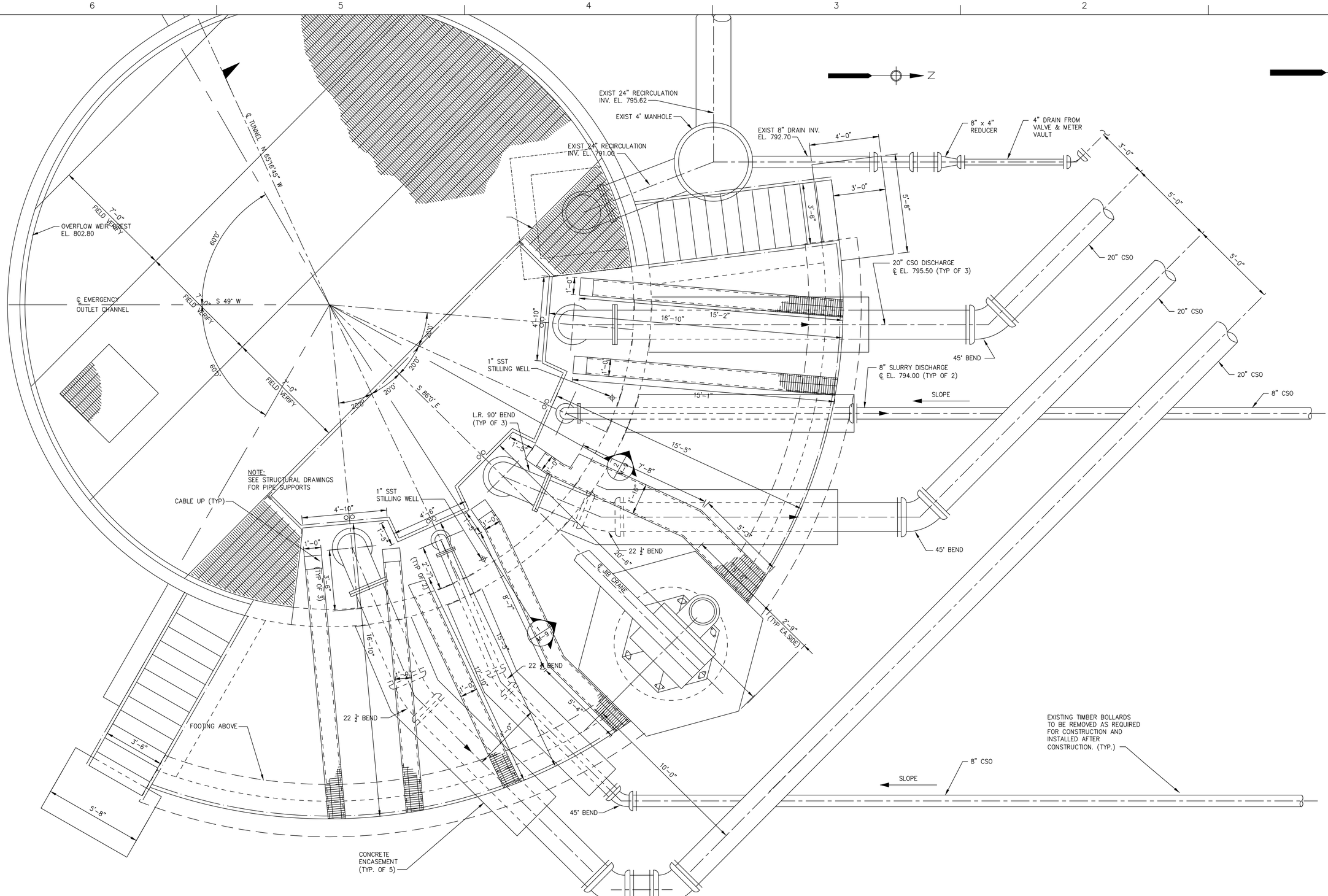

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: M. CALDWELL

DEPT. CHECK: B. STOLT

PROJ. CHECK: N. COOPER

SCALE: 3/8"=1'-0" (0 2 4 6 8 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

TUNNEL PUMPING STATION
INTERMEDIATE PLAN

MECHANICAL

NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE MZETP007.dwg

SHEET M-7

PLOT DATE: July 31, 2014 @ 03:11:07 pm

PATH/FILENAME: G:\Ww\\GA8PA134 - CSO Group 1\3_DMTV\ CGA\08 EATP\Drawings\2008-ASSI (Group 1)\MZETP007.dwg

EXIST 24" RECIRCULATION
INV. EL. 795.62

8" DRAIN INV.
EL. 792.70

4'-0"

3'-0"

3'-6"

5'-8"

NEW ALUM
GRATING

CABLE RESTRAINT
BRACKETS, SEE DETAIL
SHEET M-10

HANDRAIL

1'-0"

4'-10"

16'-10"

15'-2"

10x8 OPENING IN
SLAB FOR PUMP
CABLES (TYP)

L.P.
EL. 808.80

H.P.
EL. 809.00

1'-5"

15'-1"

ALUM GRATING SEE
DETAIL SHEET M-10

HANDRAIL IN 5'-0"
SECTIONS

4'-5"

1'-5"

15'-5"

7'-8"

1'-10"

1'-10"

5'-3"

6" SCH. 80 PVC
STILLING WELL

3" S. STL GUIDE
BARS (TYP)

4'-10"

4'-10"

4'-6"

1'-10"

1'-0"

4'-6"
(TYP OF 2)

SLOPE

20'-6"

1'-8"

2
M-9

5 TON MOTORIZED JIB
CRANE WITH 5 TON
ELECTRIC HOIST, SEE
DETAIL SHEET M-10

93CRN0020

EL. 809.25

1
M-9

NEW ALUM
GRATING

8'-7"

15'-5"

16'-10"

L.P.
EL. 808.80

1'-0"

12'-10"

1'-0"

5'-4"

1'-10"

10"

CABLE TRENCH
(TYP)

LOP

3'-6"

SLOPE

5'-8"

H.P.
EL. 809.00

10"

3'-8"

4'-6"

10"

HANDRAIL IN
5'-0" SECTIONS

EXIST. MC 10x21.9

℄ TUNNEL N 65°16'45" W

7'-0"
FIELD VERIFY

EXIST. W24x55

℄ EMERGENCY
OUTLET CHANNEL

S 49°08'15" W

7'-0"
FIELD VERIFY

EXIST.
HATCH

EXIST. W24x76

7'-0"
FIELD VERIFY

20'0"

20'0"

52'0"

20'0"

20'0"

52'0"

EXIST. W24x76

Z

Z

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: M. CALDWELL

DEPT. CHECK: B. STOLT

PROJ. CHECK: N. COOPER

SCALE:
3/8"=1'-0"
0 2 4 6 8
SCALE FEET

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

TUNNEL PUMPING STATION
GRADE PLAN

MECHANICAL

NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE MZETP008.dwg

SHEET M-8

PLOT DATE: July 31, 2014 @ 03:11:47 pm

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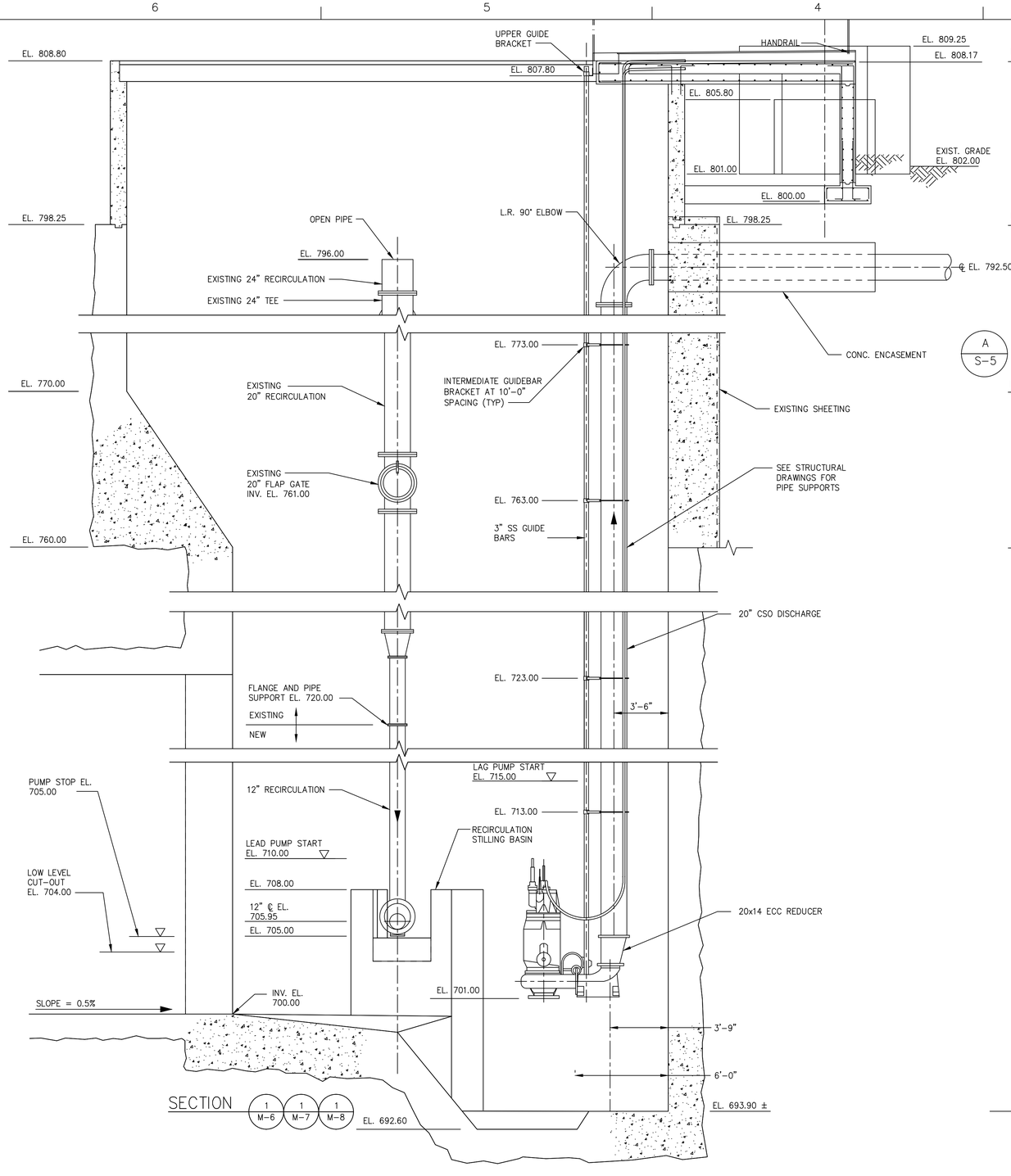

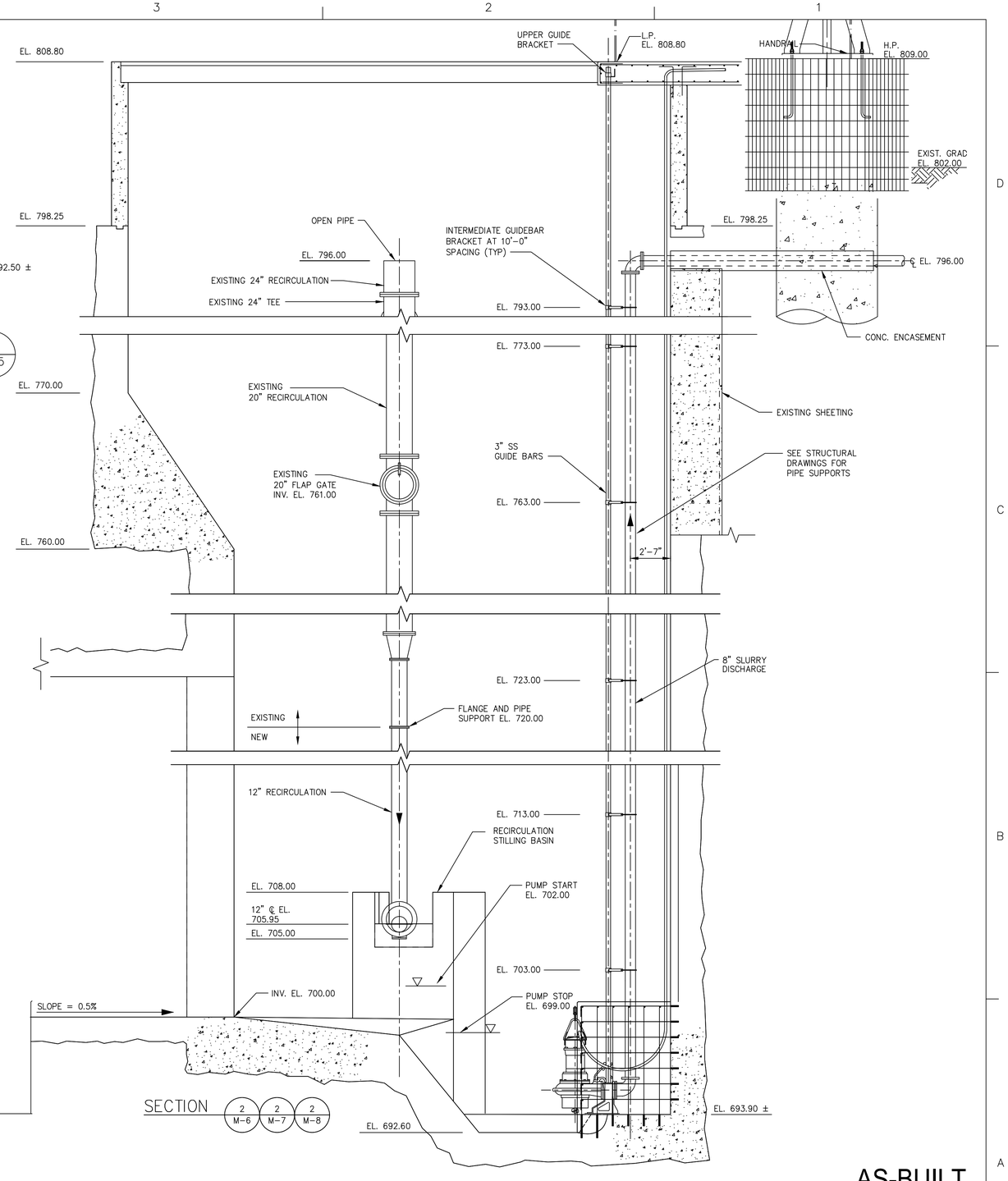

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: A. BLANTON
DEPT. CHECK: B. STOLT
PROJ. CHECK: N. COOPER

SCALE:
1/4"=1'-0"
0 4 8 12
SCALE FEET

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

TUNNEL PUMPING STATION SECTIONS

MECHANICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP009.dwg
SHEET M-9

PLOT DATE: July 31, 2014 @ 03:12:36 pm
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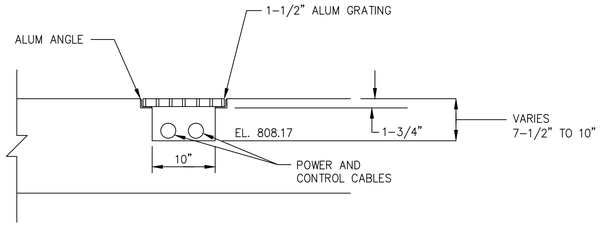
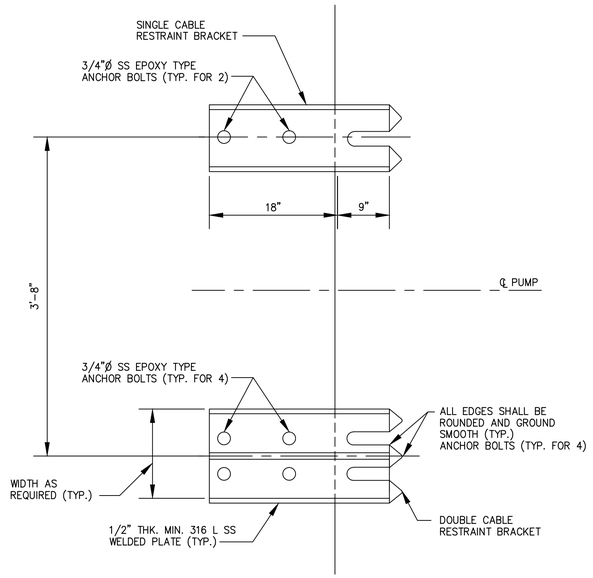


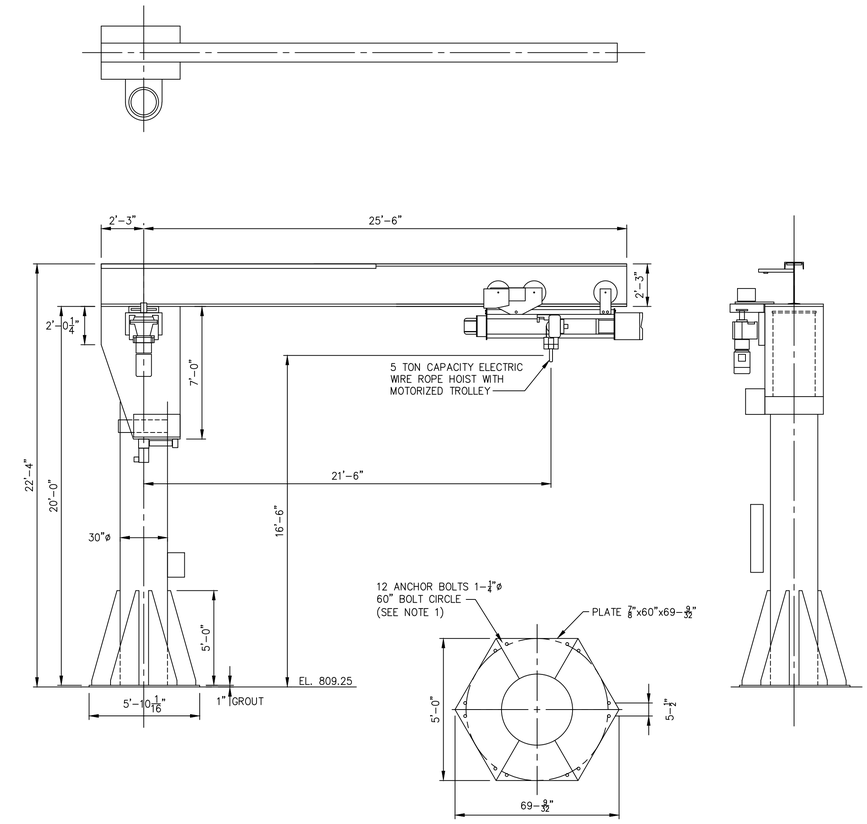
TRENCH DETAIL

NTS



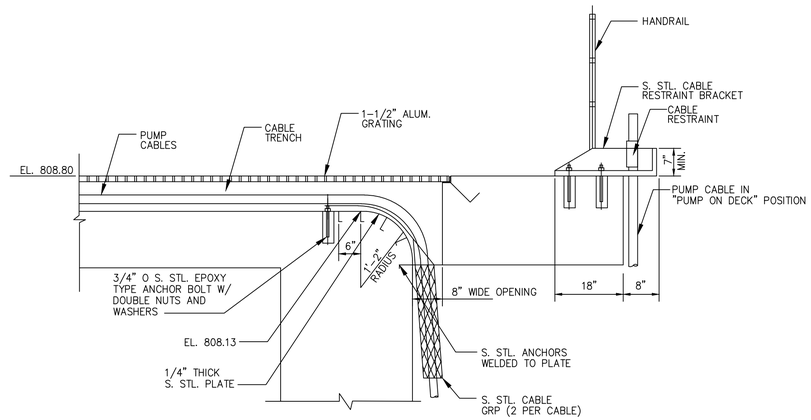
CABLE RESTRAINT BRACKETS

NTS



5 TON MOTORIZED JIB CRANE DETAIL

NTS



NOTES:

1. ANCHOR BOLTS SHALL BE L-SHAPED AND INSTALLED WITH NEW CONCRETE. DRILL NEW CONCRETE FOR ANCHOR WILL NOT BE ALLOWED. ANCHOR BOLT LAYOUT PER MANUFACTURER.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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SKING & Associates, Inc. ENGINEERS PLANNERS MANAGERS

REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: A. BLANTON
DEPT. CHECK: B. STOLT
PROJ. CHECK: N. COOPER

SCALE: NOT TO SCALE

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

TUNNEL PUMPING STATION DETAILS

MECHANICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP010.dwg
SHEET M-10

PLOT DATE: July 31, 2014 @ 03:13:22 pm

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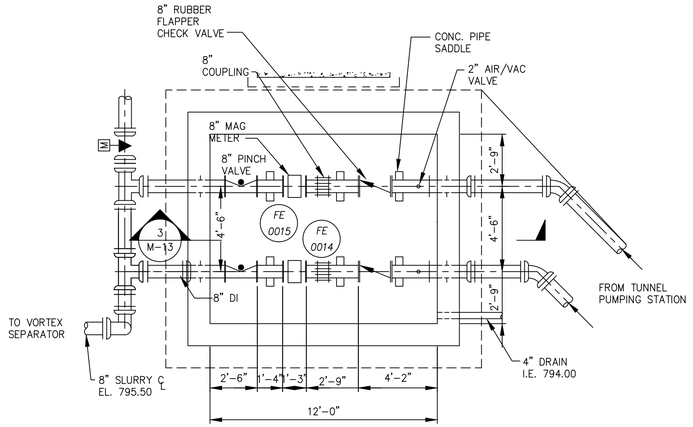
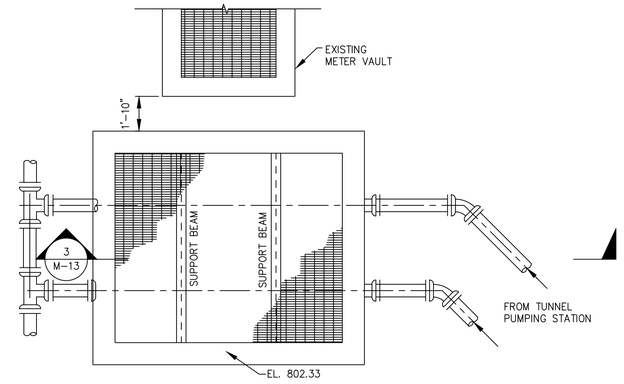


VALVE VAULT
BOTTOM PLAN



VALVE VAULT
TOP PLAN

NOTES:
1. RUBBER FLAPPER CHECK VALVE SHALL BE APCO SERIES 100R RUBBER FLAPPER CHECK VALVES, RUBBER LINED WITH CAST IRON BODY, NEOPRENE LINING AND BUNA-N FLAPPER, OPERATING PRESSURE 10 TO 80 PSI.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: B STOLT
PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

HEAD BOX & VALVE VAULT PLANS

NOVEMBER 2004

JOB 036202040
FILE NO.
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SHEET M-11

PATH/FILENAME: G:\Work\GA\BPA134 - CSO Group 1\3_DMT\Fr CGA\08 EATP\Drawings\2008-ASBI (Mod)\2008-vaxy-ISA#s-2009.dgn (Mod)\MZETP011.dwg
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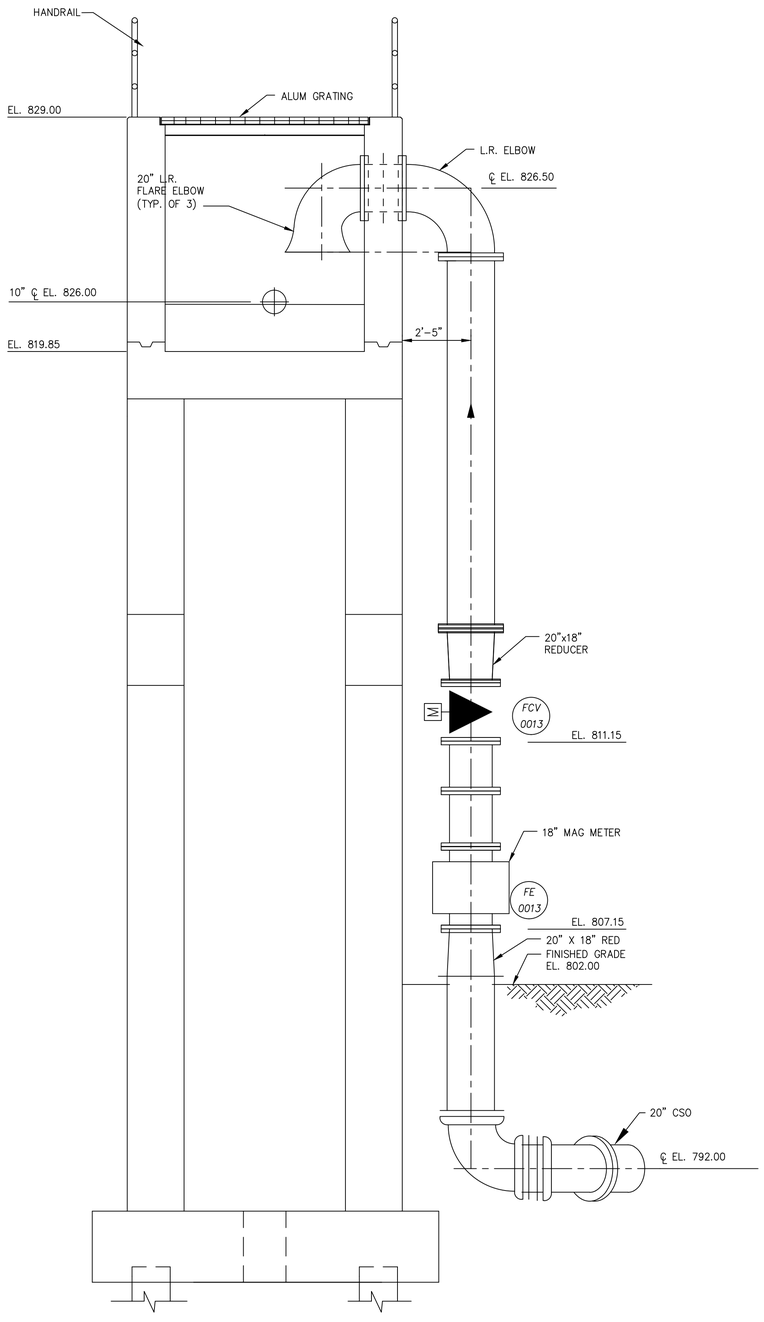
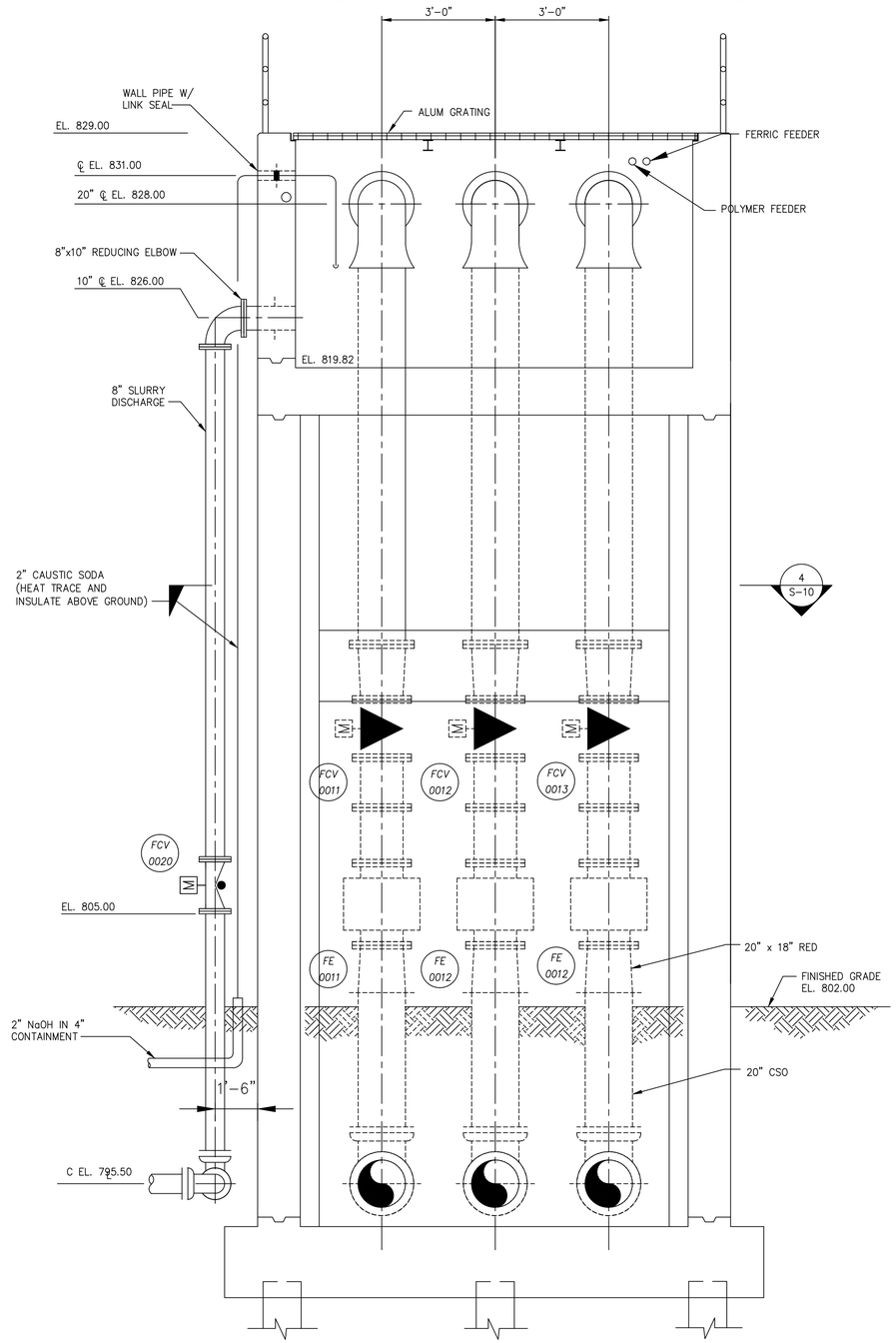


SECTION 1 / M-14
SCALE: 3/8"=1'-0"



SECTION 2 / M-14
SCALE: 3/8"=1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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ENGINEERS PLANNERS MANAGERS

REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: B. STOLT
PROJ. CHECK: N. COOPER

SCALE:

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

HEAD BOX SECTIONS

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP012.dwg
SHEET M-12

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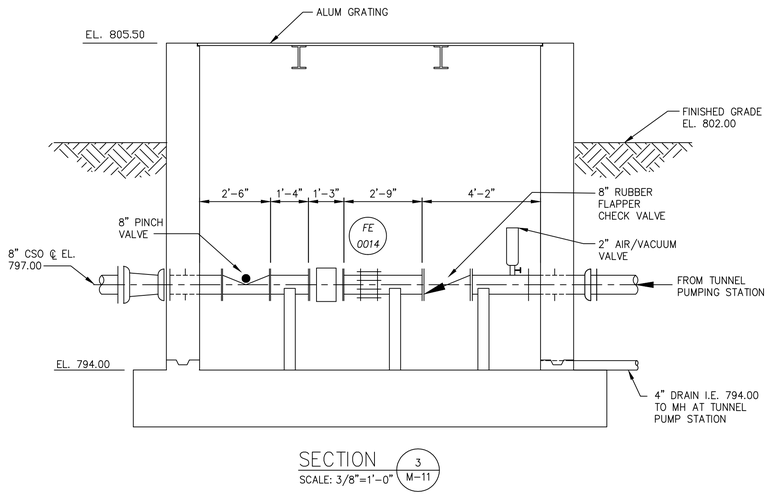

SECTION 3 M-11
SCALE: 3/8"=1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: B. STOLT
PROJ. CHECK: N. COOPER

SCALE: AS NOTED

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

VALVE VAULT
SECTIONS

MECHANICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP013.dwg
SHEET M-13

PLOT DATE: July 31, 2014 @ 03:16:33 pm
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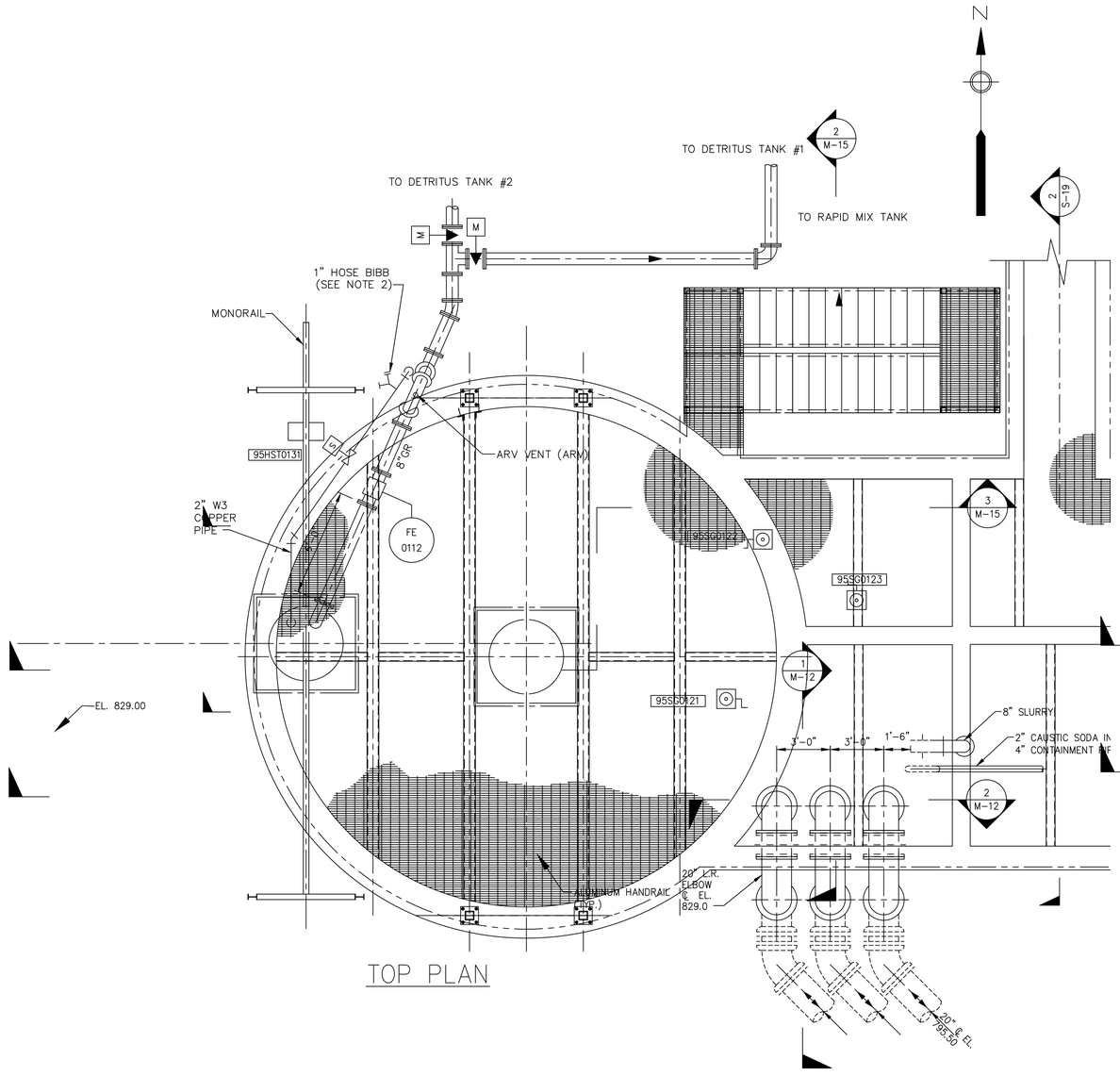
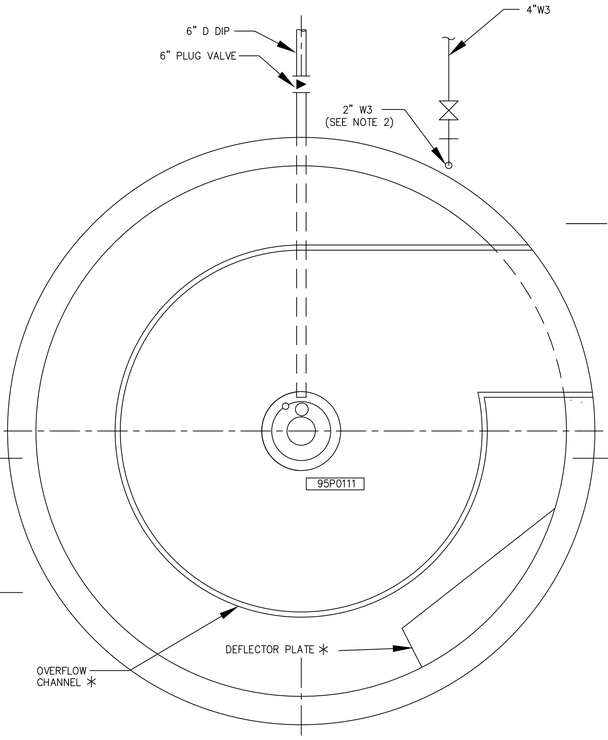
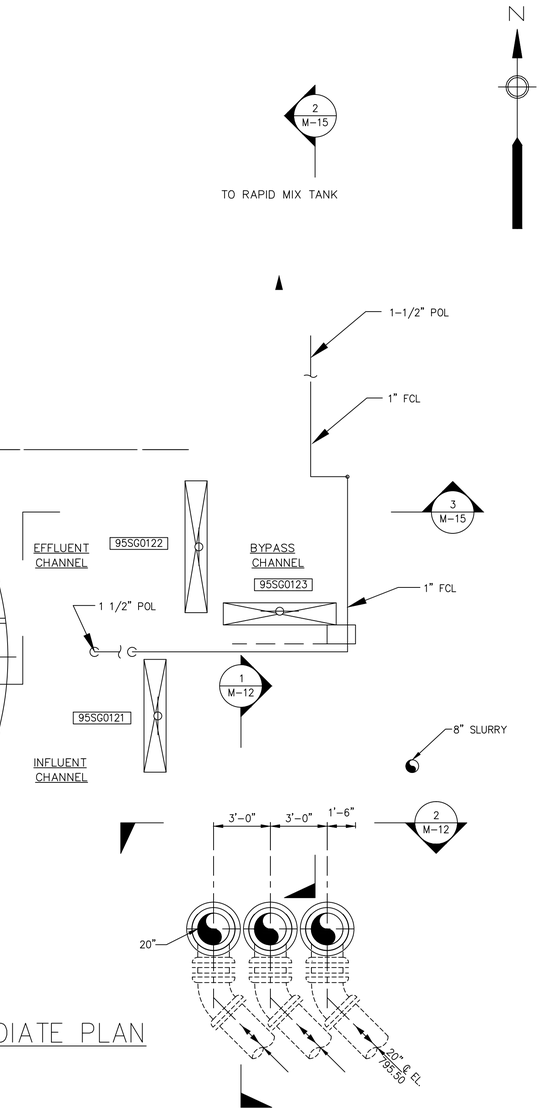


TOP PLAN





INTERMEDIATE PLAN

NOTES:

1. MATERIALS INDICATED WITH AN * ARE PROVIDED BY HYDRO INTERNATIONAL.
2. HEAT TRACE AND INSULATE 2" W3 AND 1-1/2" W3 PIPES.
3. HEAT TRACE AND INSULATE 1" FCL AND 1-1/2" POL LINES.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: V. KUREK
PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

VORTEX SEPARATOR
PLANS

MECHANICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP014.dwg
SHEET M-14

PLOT DATE: July 31, 2014 @ 03:18:30 pm
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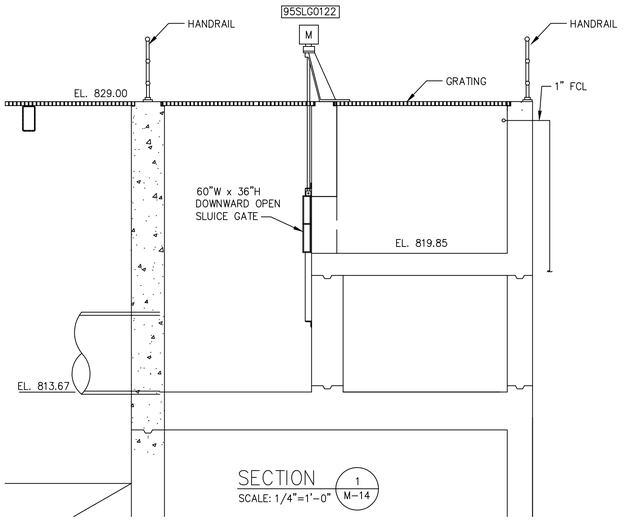
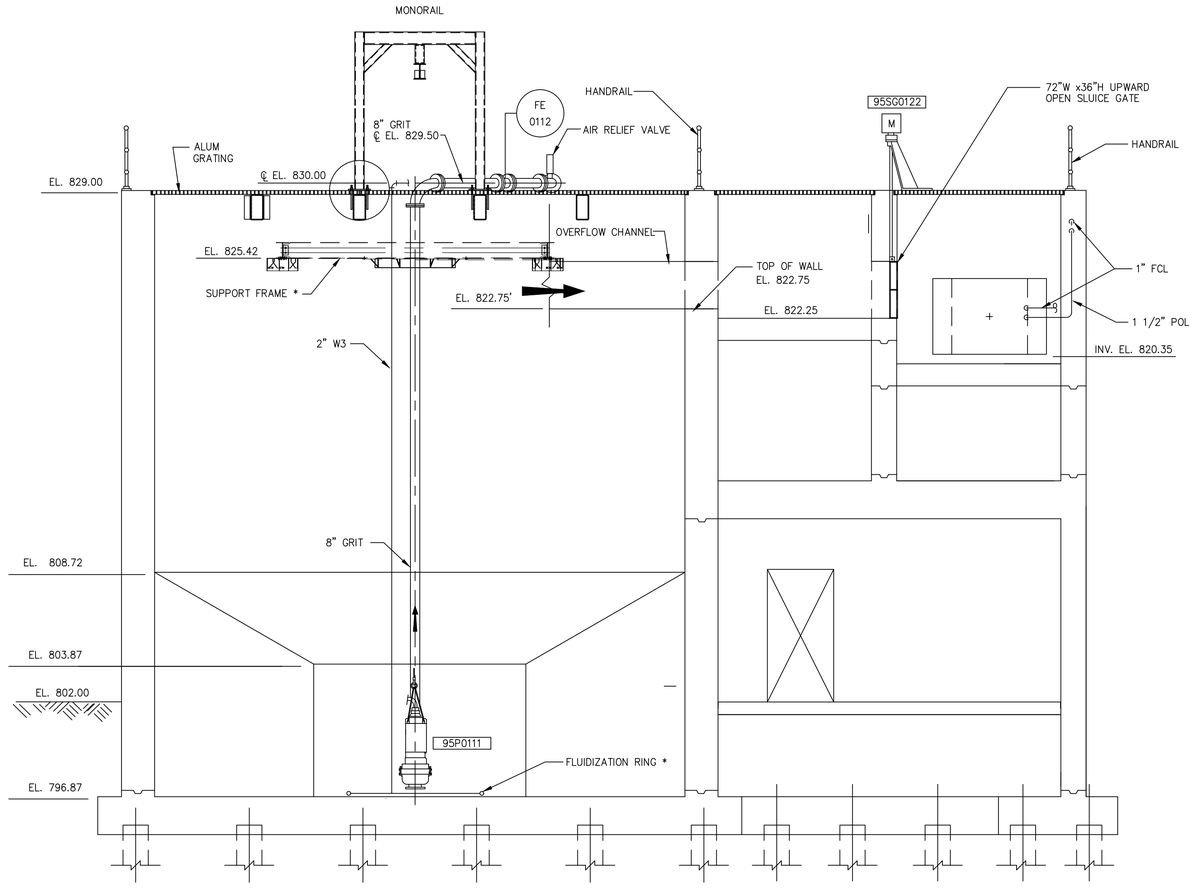


SECTION (1 / M-14)
SCALE: 1/4"=1'-0"

SECTION (2 / M-14)
SCALE: 1/4"=1'-0"



SECTION (3 / M-14)
SCALE: 1/4"=1'-0"

NOTES:

1. MATERIALS INDICATED WITH AN * ARE PROVIDED BY HYDRO INTERNATIONAL.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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Department of Watershed Management
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ENGINEERS · PLANNERS · MANAGERS

REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: A. BLANTON
DEPT. CHECK: V. KUREK
PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

VORTEX SEPARATOR SECTIONS

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP015.dwg
SHEET M-15

PLOT DATE: July 31, 2014 @ 03:19:37 pm
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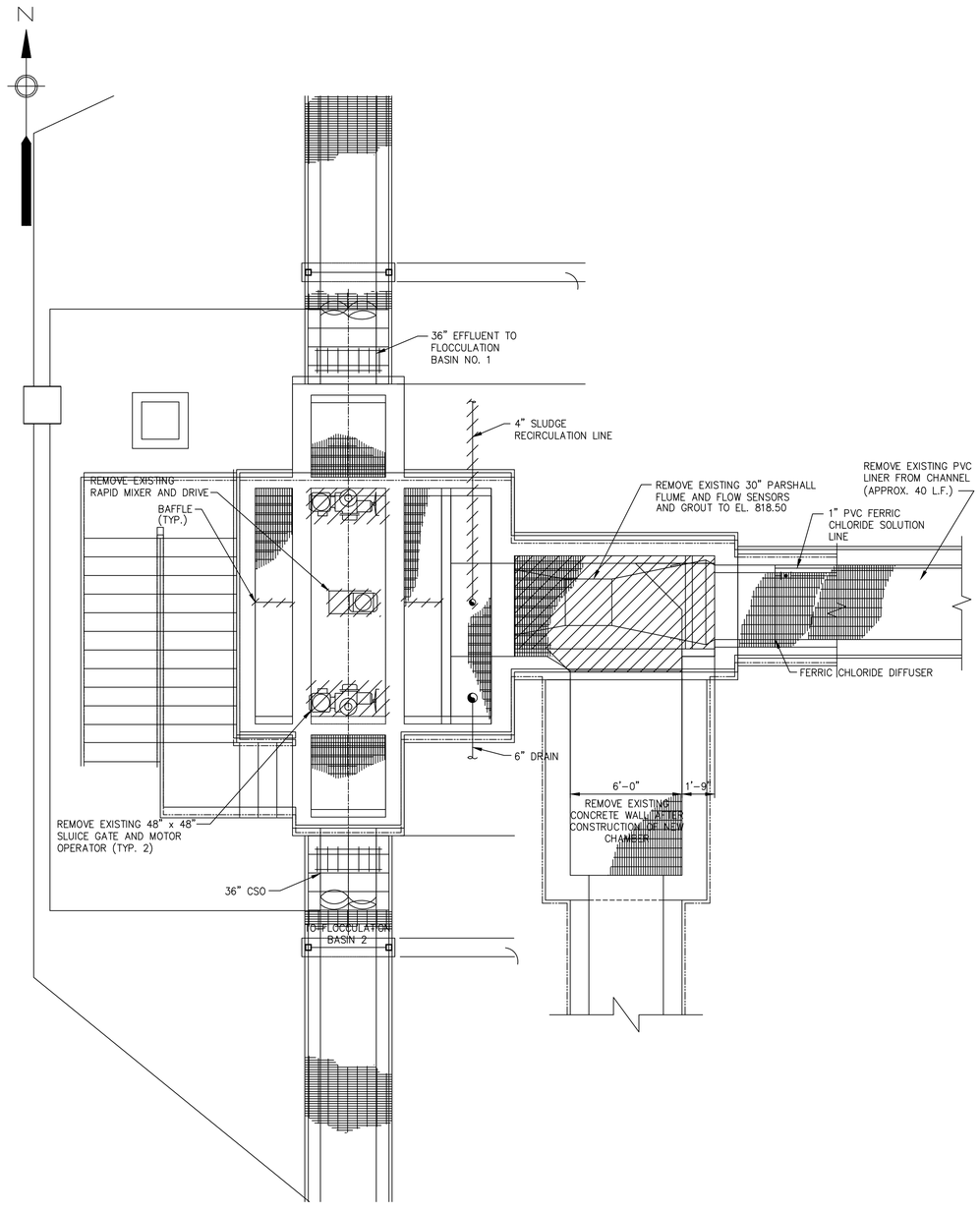
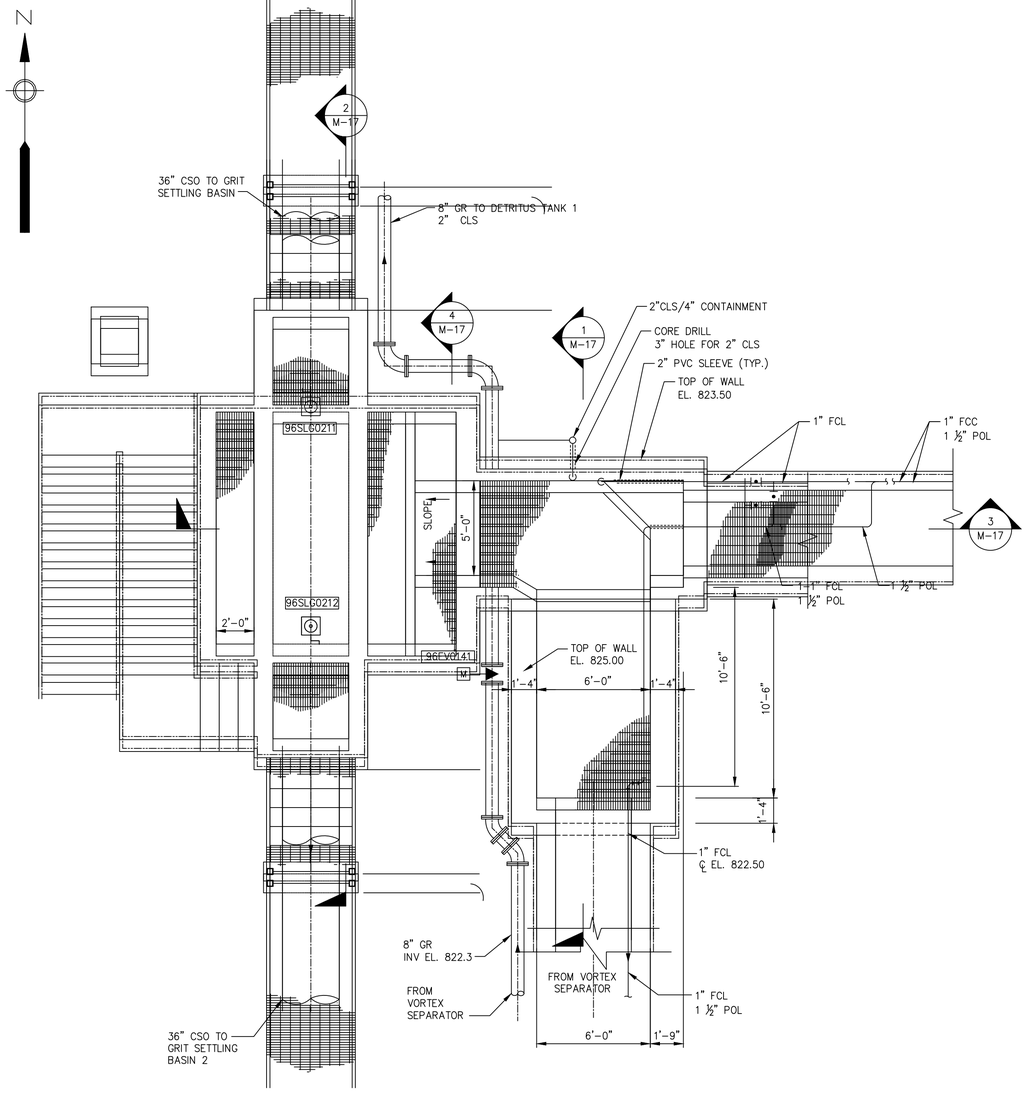


DEMOLITION PLAN



PLAN VIEW

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

City of Atlanta
Department of Watershed Management
Protecting Our Future

Metcalf & Eddy

SKING & Associates, Inc. ENGINEERS PLANNERS MANAGERS

REG. PROF. ENGR. DATE

REG. PROF. ENGR. DATE

DRAWN BY: A. BLANTON

DEPT. CHECK: B. STOLT

PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

RAPID MIX TANK MODIFICATIONS PLANS

MECHANICAL NOVEMBER 2004

JOB 036202040

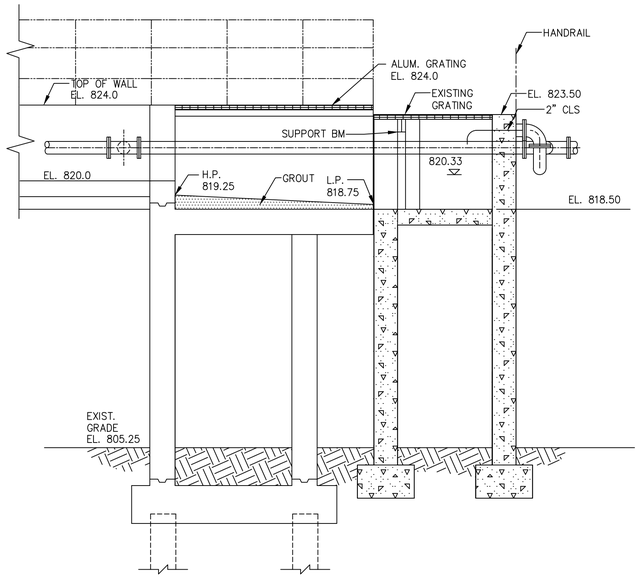
FILE NO.

CADD FILE MZETP016.dwg

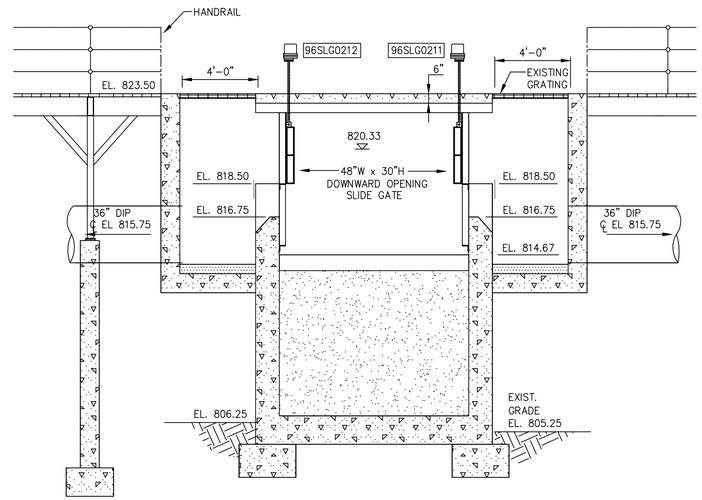
SHEET M-16

PLOT DATE: July 31, 2014 @ 03:08:19 pm

PATH/FILENAME: G:\Wem\GABPA134 - CSO Group 1\3_DATA\Projects\2008 ASBI Update-new\300ts-2008\DWG\MAS\MZETP016.dwg



SECTION 1 M-16
SCALE: 1/4"=1'-0"



SECTION 2 M-16
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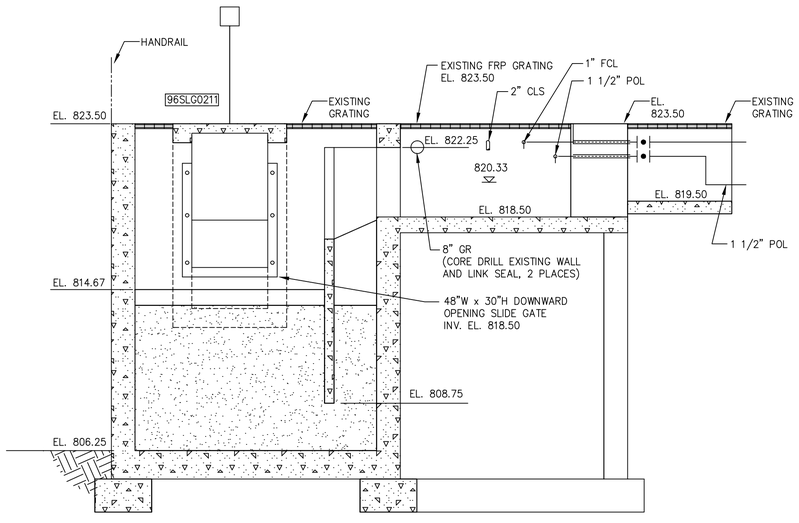
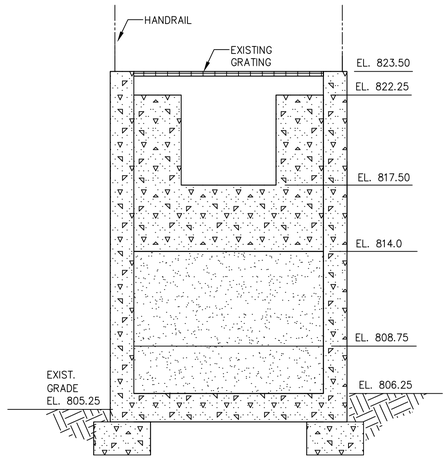


SECTION 3 M-16
SCALE: 1/4"=1'-0"



SECTION 4 M-16
SCALE: 1/4"=1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

City of Atlanta
Department of Watershed Management
Protecting Our Future

Metcalf & Eddy

SKING & Associates, Inc. ENGINEERS PLANNERS MANAGERS

REG. PROF. ENGR. DATE

REG. PROF. ENGR. DATE

DRAWN BY: A. BLANTON
DEPT. CHECK: B. STOLT
PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 FEET)

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

RAPID MIX TANK MODIFICATIONS SECTIONS

MECHANICAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP017.dwg
SHEET M-17

PLOT DATE: July 31, 2014 @ 03:26:30 pm
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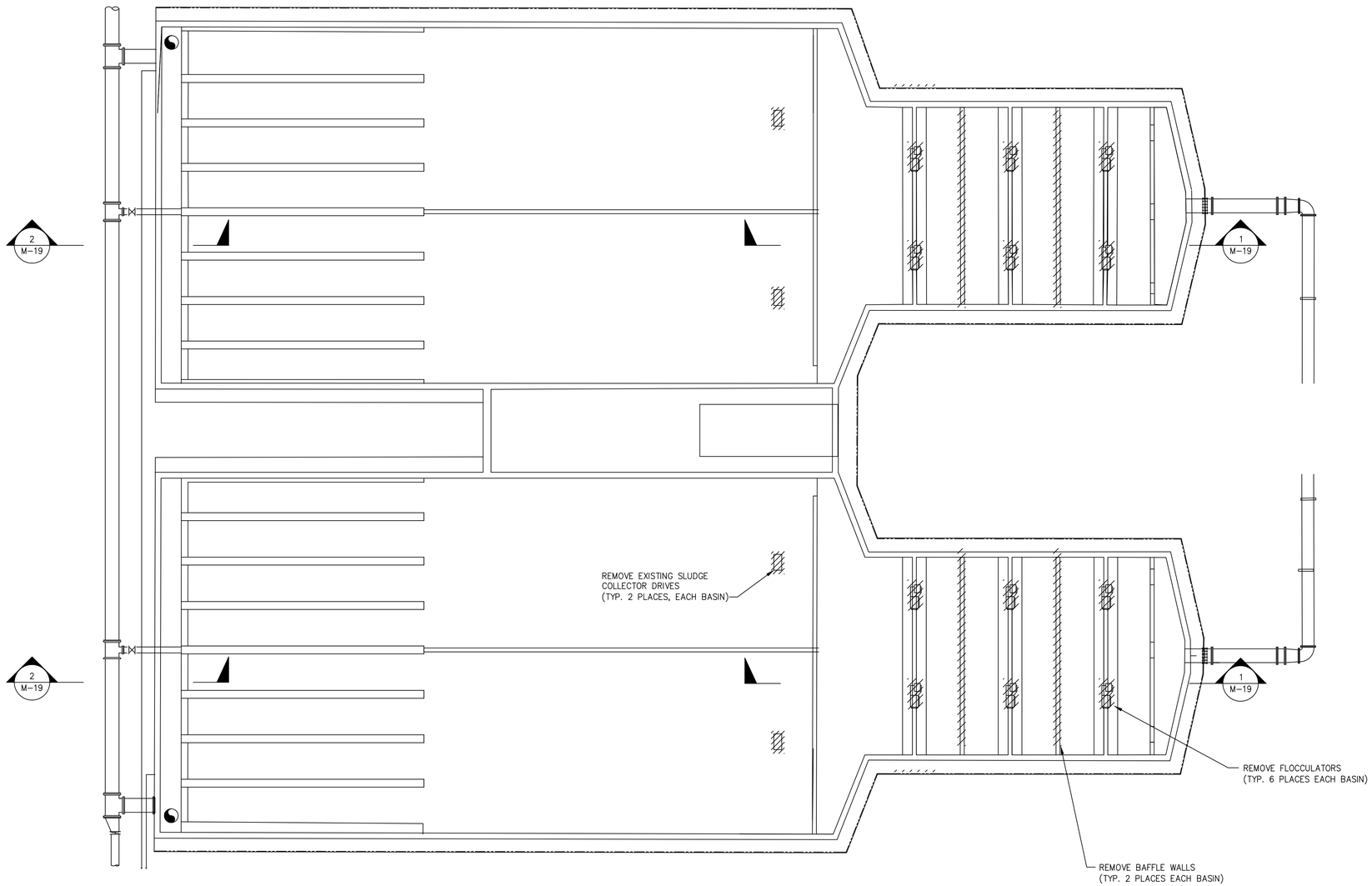

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

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ENGINEERS PLANNERS MANAGERS

REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: A. BLANTON
DEPT. CHECK: V. KUREK
PROJ. CHECK: N. COOPER

SCALE: 1/16"=1'-0"
0 16 32 48
SCALE FEET

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FLOCCULATION BASIN DEMOLITION PLAN

MECHANICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP018.dwg
SHEET M-18

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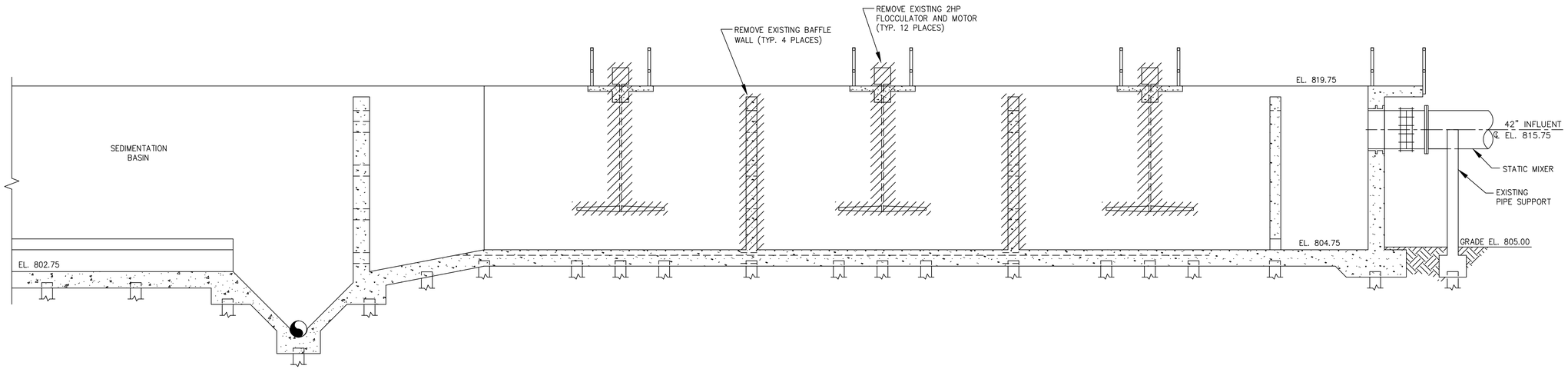
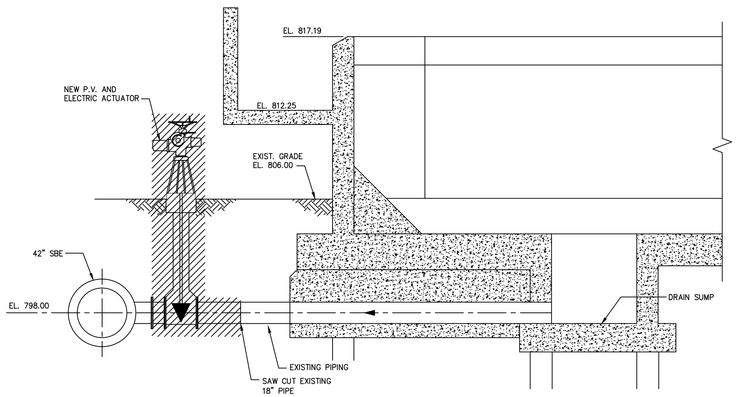


SECTION 1 / M-18



SECTION 2 / M-18

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: L. COWELL
DEPT. CHECK: V. KUREK
PROJ. CHECK: N. COOPER

SCALE: 3/16"=1'-0" (0, 4, 8, 12, 16 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FLOCCULATION BASIN DEMOLITION SECTION

MECHANICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP019.dwg
SHEET M-19

PLOT DATE: July 31, 2014 @ 03:27:28 pm
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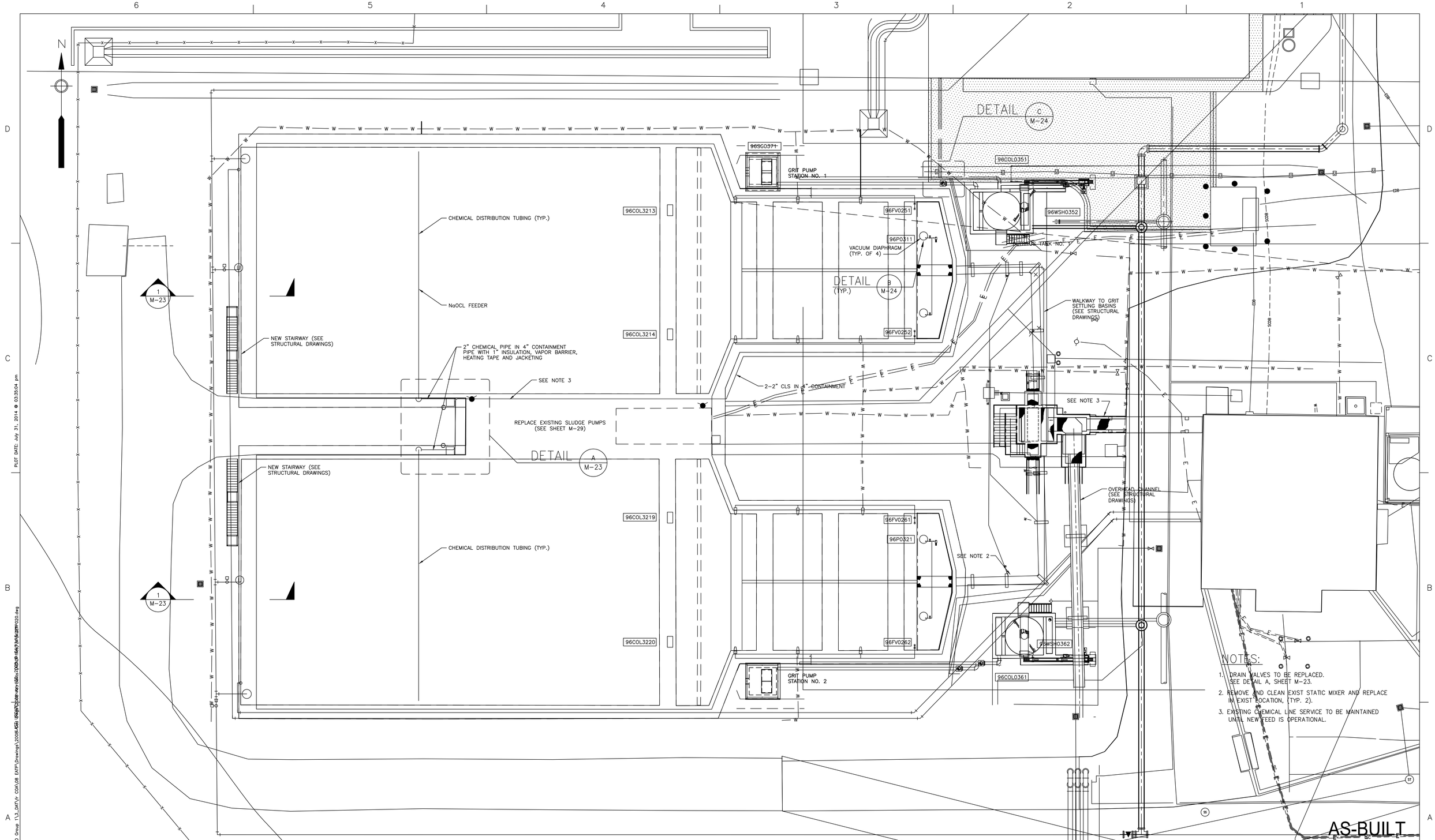

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: L. COWELL
DEPT. CHECK: V. KUREK
PROJ. CHECK: N. COOPER

SCALE: 1/16"=1'-0" (0, 16, 32, 48 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

GRIT SETTLING BASINS GENERAL ARRANGEMENT PLAN

MECHANICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP020.dwg
SHEET M-20

PLOT DATE: July 31, 2014 @ 03:35:04 pm
PATH/FILENAME: G:\Wwm\DABPA134 - CSO Group 1\3_DATV: CDA\08 EATP\Drawings\2008 AS-Built Drawings\MZETP020.dwg

N

NOTES:

1. GRIT SETTLING BASIN NO.1 SHOWN, GRIT SETTLING BASIN NO. 2 IS OPPOSITE HAND.

96COL3213

96COL3214

96SG0371

GRIT PUMP STATION NO. 1 (SEE SHEET M-25)

IE 818.25

EXIST. 6" W3

TROUGH SLOPE @ 1%

96FV0251

96FV0252

NEW WATER CANNON (TYP.)

4" W3

2-2" CLS IN 4" CONTAINMENT

DETAIL C M-24

96COL0351

IE 817.57

96WSH0352

24" D

12" DTO SLOPE @ 1%

DETRITUS TANK NO. 1

96P0311

VACUUM DIAPHRAGM (TYP. OF 4)

DETAIL B M-24 (TYP.)

M-22

3 M-22

4 M-23

WALKWAY TO GRIT SETTLING BASINS (SEE STRUCTURAL DRAWINGS)

PLAN NORTH- ALUMINUM WALKWAY OVER PIPES AT EXISTING FLOCCULATORS

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: L. COWELL

DEPT. CHECK: V. KUREK

PROJ. CHECK: N. COOPER

SCALE: 1/8"=1'-0" (0 4 8 12 16 20 24 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

GRIT SETTLING BASINS PLAN

MECHANICAL

NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE MZETP021.dwg

SHEET M-21

PLOT DATE: July 31, 2014 @ 03:38:17 pm

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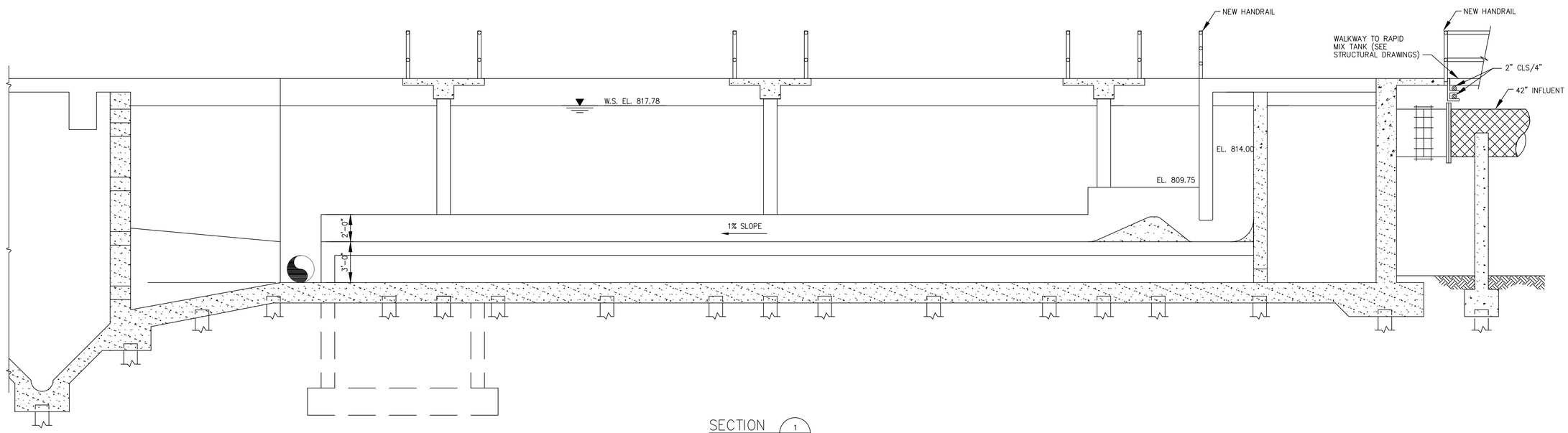
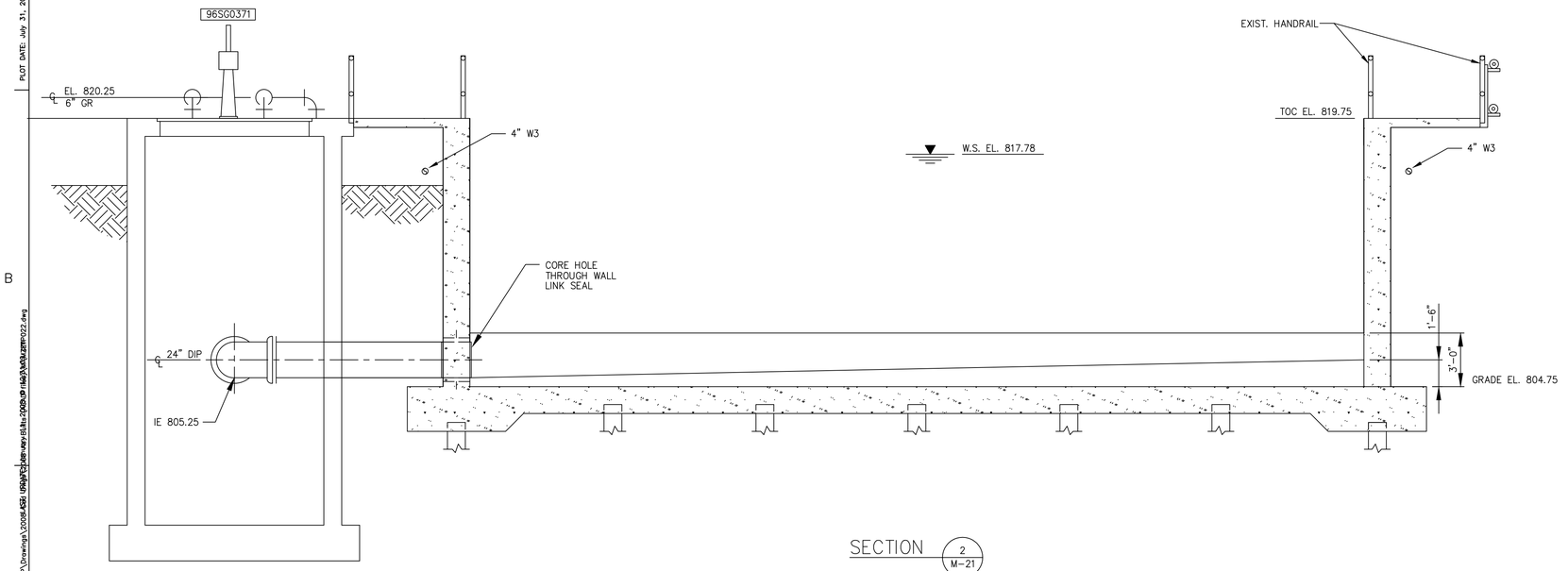
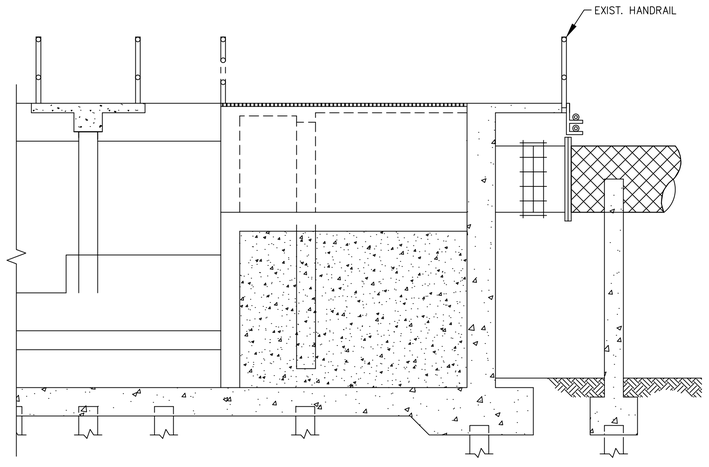


SECTION 1 / M-21



SECTION 2 / M-21



SECTION 3 / M-21

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: L. COWELL

DEPT. CHECK: V. KUREK

PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

GRIT SETTLING BASINS SECTIONS

MECHANICAL

NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE MZETP022.dwg

SHEET M-22

PLOT DATE: July 31, 2014 @ 03:39:01 pm

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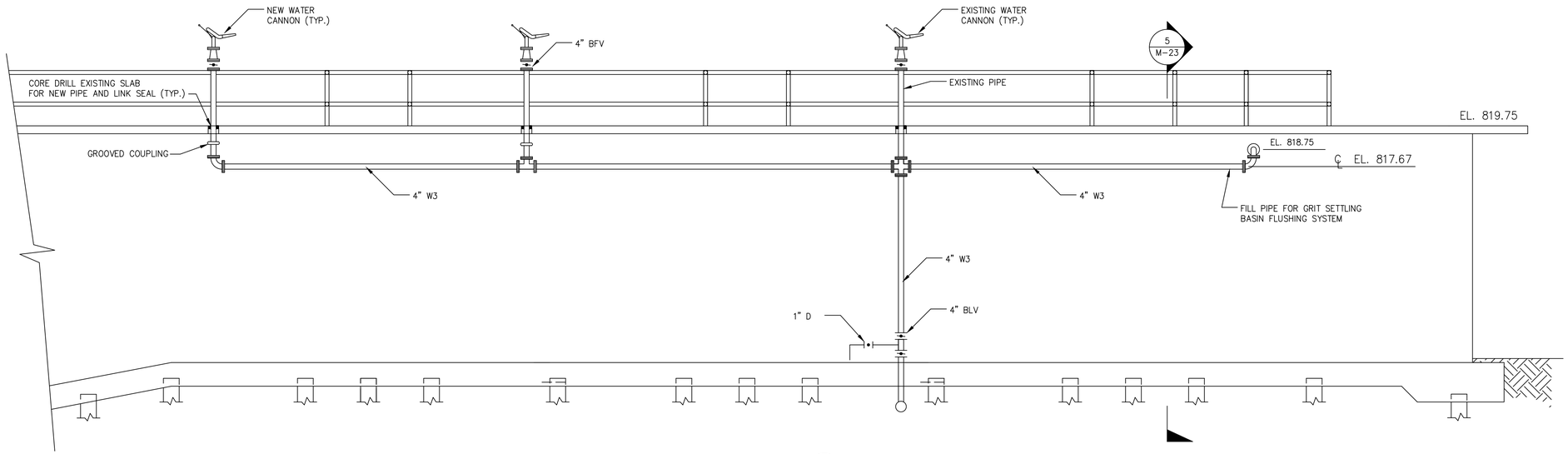
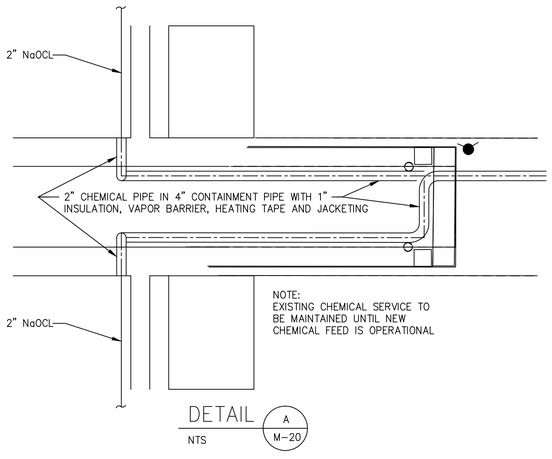
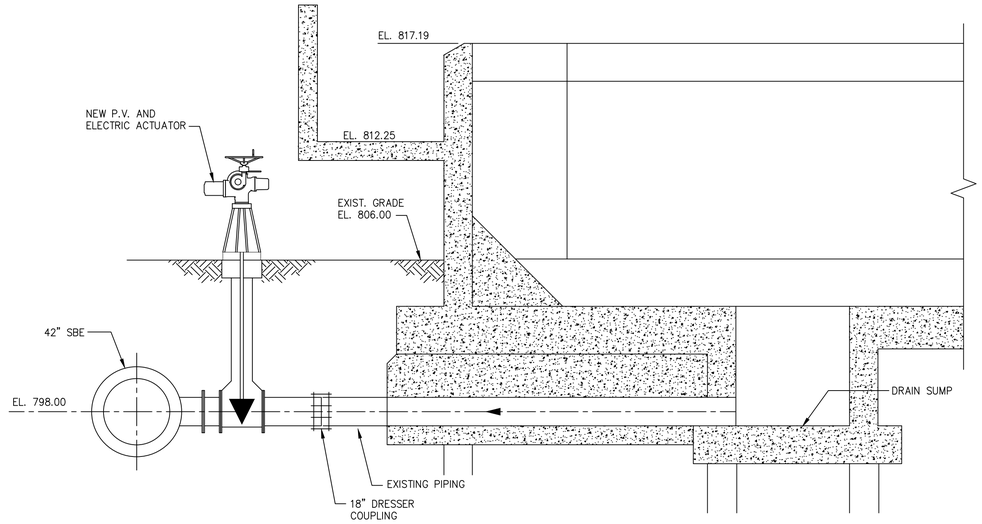


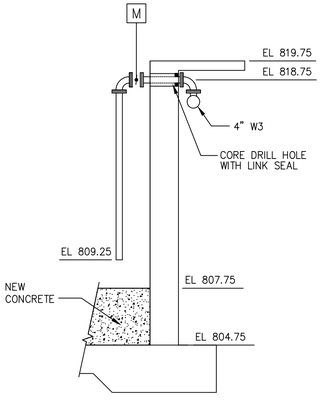
SECTION 4 / M-21



DETAIL A / M-20
NTS



SECTION 1 / M-20



SECTION 5 / M-23

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: A. BLANTON
DEPT. CHECK: V. KUREK
PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

GRIT SETTLING BASINS SECTIONS & DETAILS

MECHANICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP023.dwg
SHEET M-23

PLOT DATE: July 31, 2014 @ 03:39:57 pm
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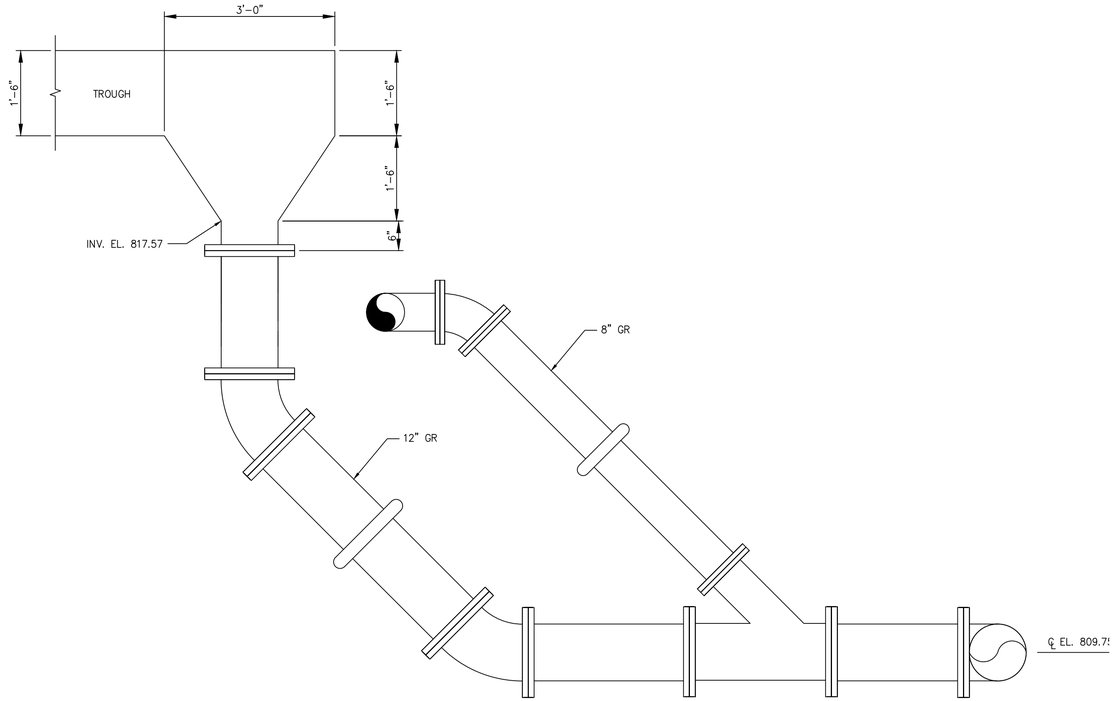
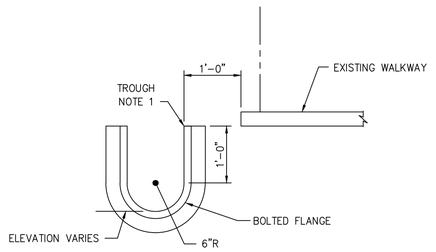
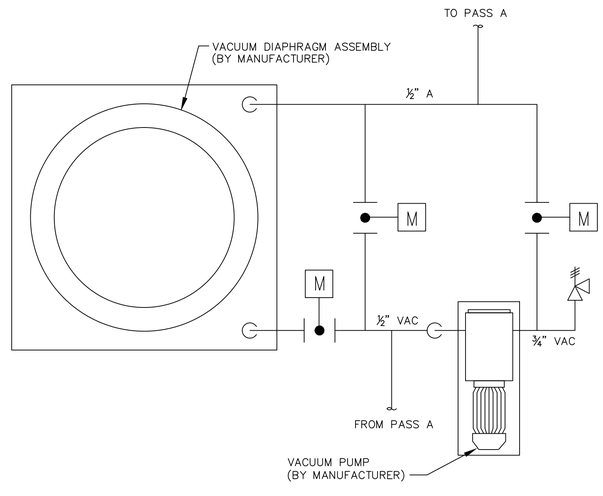


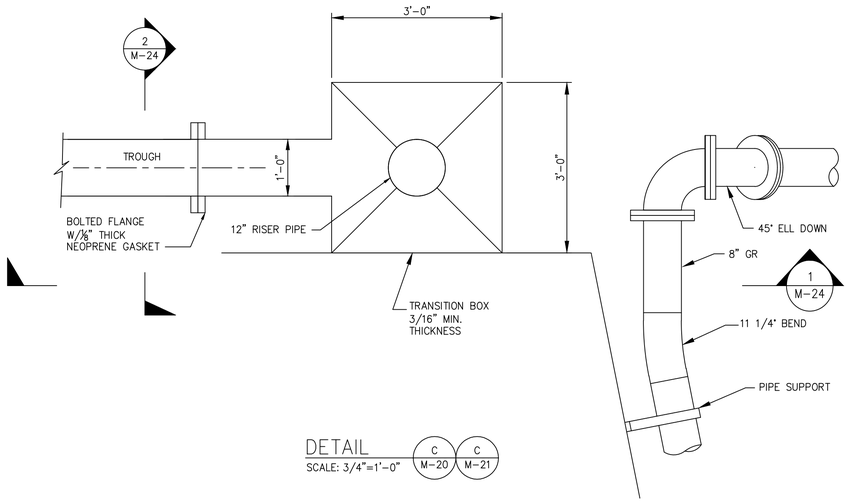
SECTION 1 / M-24



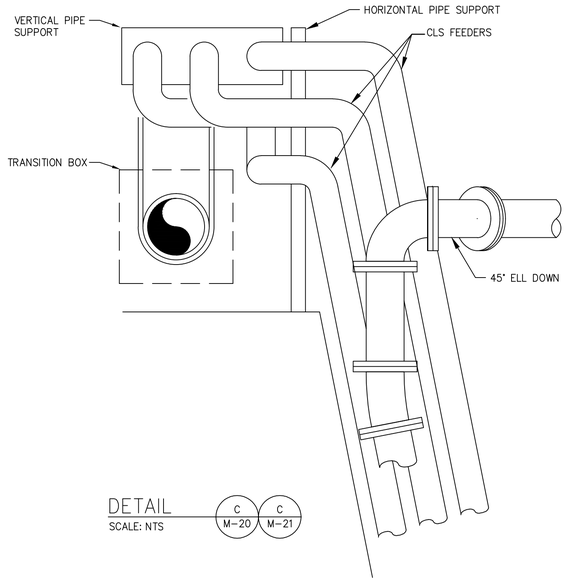
SECTION 2 / M-24



DETAIL B / M-20 B / M-21
SCALE: NTS
TYP. 2 PLACES



DETAIL C / M-20 C / M-21
SCALE: 3/4"=1'-0"



DETAIL C / M-20 C / M-21
SCALE: NTS

NOTES:

1. TROUGH AND TRANSITION BOX TO BE FABRICATED FROM CARBON STEEL, MINIMUM THICKNESS OF 3/16". INTERIOR (CORROPIPE II WASTELINER BY MADISON CHEMICAL INDUSTRIES) WITH A NOMINAL THICKNESS OF 40 MILS. EXTERIOR SURFACES SHALL BE COATED WITH POLYURETHANE COATING (CORROPIPE TX-15 BY MADISON CHEMICAL INDUSTRIES) WITH A NOMINAL THICKNESS OF 20 MILS.
2. FLANGED CONNECTIONS SHALL BE PROVIDED AT A MAXIMUM SPACING OF 10 FEET.
3. TROUGH FABRICATOR SHALL BE RESPONSIBLE FOR PROVIDING SUPPORTS FABRICATED FROM TYPE 304 STAINLESS STEEL. SUPPORT SPACING SHALL BE A MAXIMUM OF 5 FEET.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: A. BLANTON
DEPT. CHECK: V. KUREK
PROJ. CHECK: N. COOPER

SCALE: 3/4"=1'-0" (0 1 2 3 4 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

GRIT SETTLING BASINS
DETAILS

MECHANICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP024.dwg
SHEET M-24

PLOT DATE: July 31, 2014 @ 03:41:58 pm
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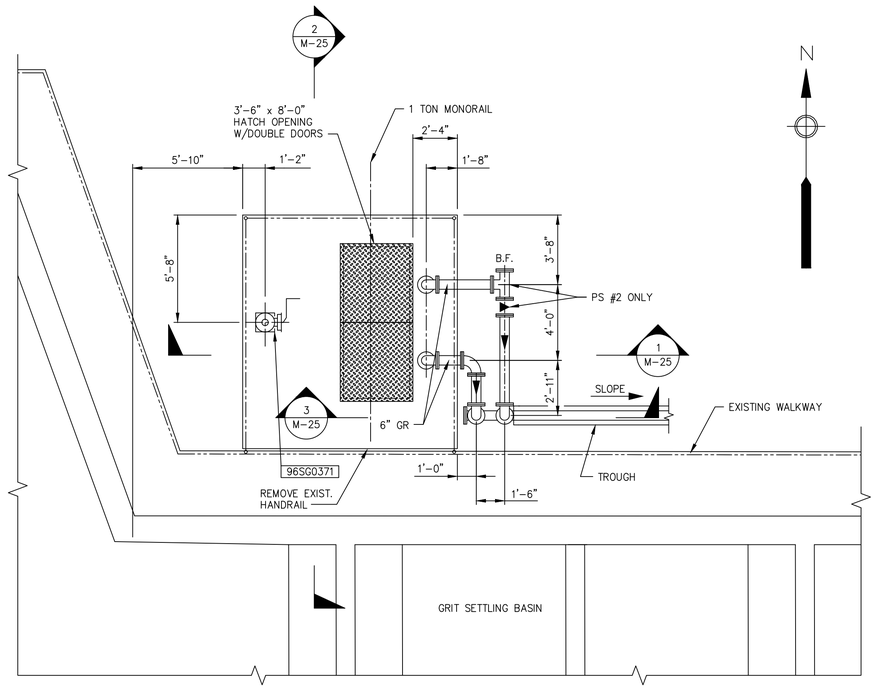
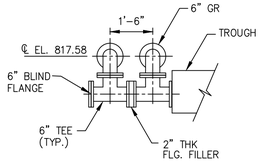
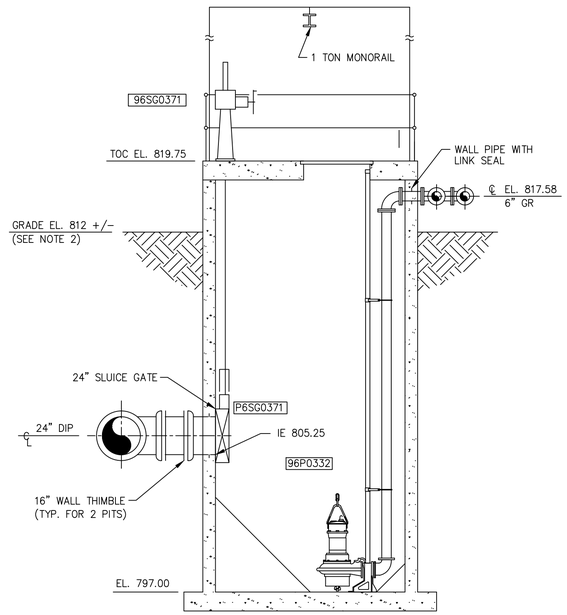


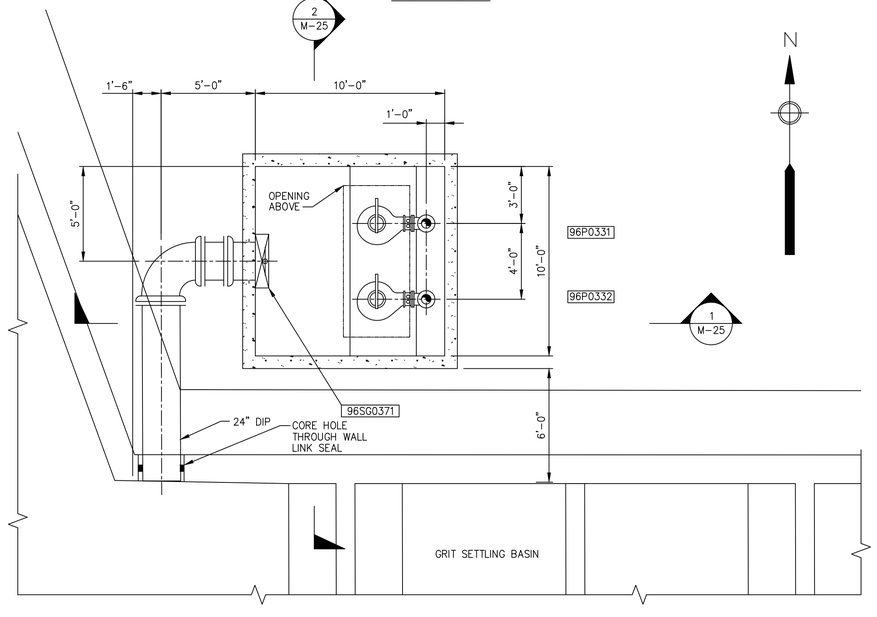


SECTION 3 M-25
SCALE: 3/8"=1'-0"

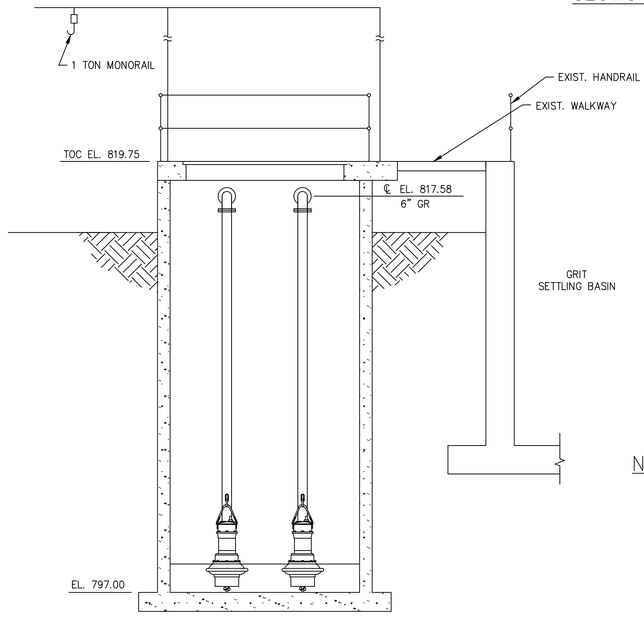


SECTION 1 M-25

TOP PLAN



BOTTOM PLAN



SECTION 2 M-25

NOTES:

1. PUMP STATION NO. 1 SHOWN, PUMP STATION NO. 2 OPPOSITE HAND
2. FINISHED GRADE FOR PUMP STATION NO. 2 IS APPROXIMATELY 804 +/-

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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SKING & Associates, Inc.
ENGINEERS PLANNERS MANAGERS

REG. PROF. ENGR. DATE

REG. PROF. ENGR. DATE

DRAWN BY: L .COWELL
DEPT. CHECK: V. KUREK
PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

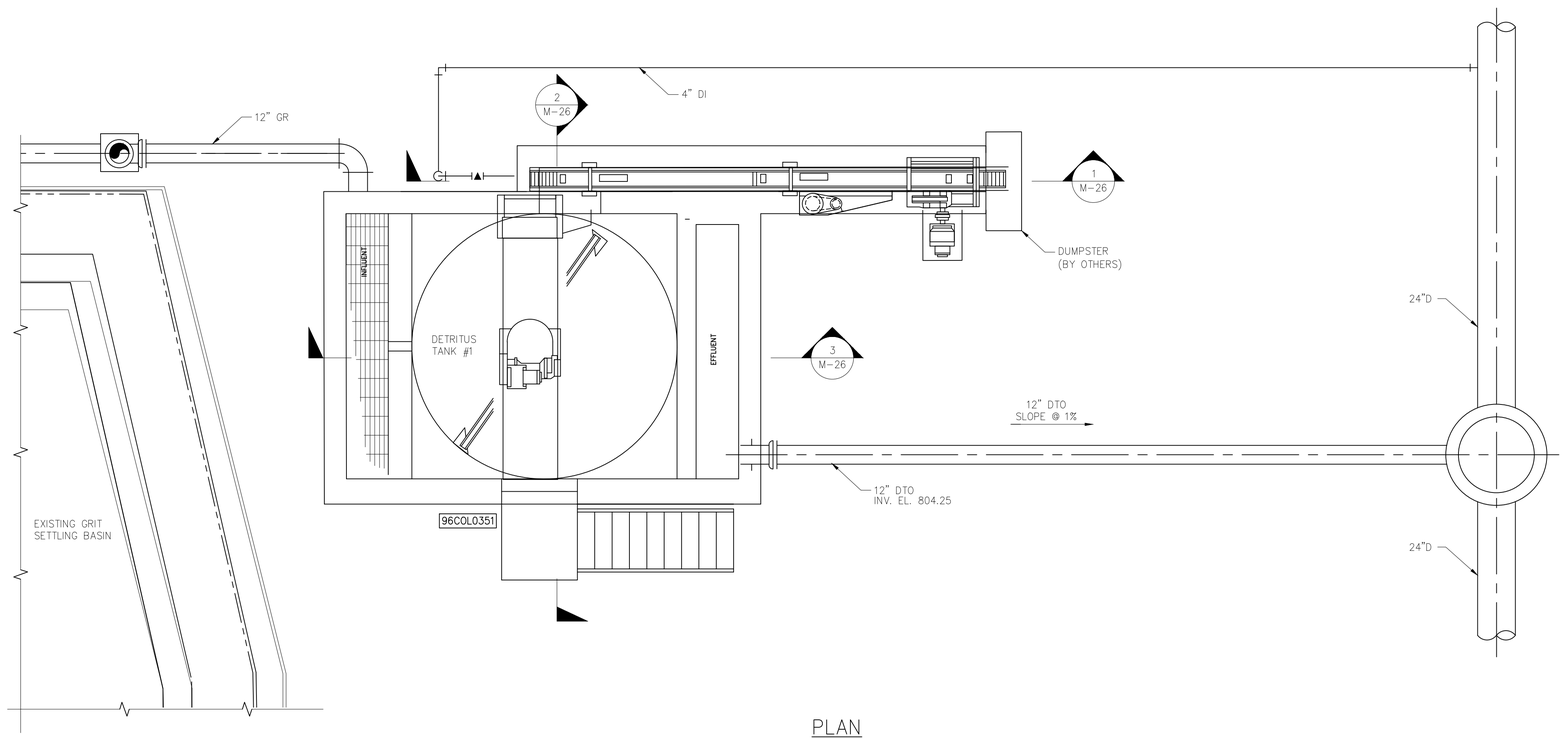
CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

GRIT PUMP STATION
PLANS & SECTIONS

MECHANICAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP025.dwg
SHEET M-25

PLOT DATE: July 31, 2014 @ 03:42:25 pm
PATH/FILENAME: G:\Wwm\QABPA134 - CSO Group 1\3_DATA\Jr. COA\08 EATP\Drawings\2008 ASSC DRAWINGS\MZETP025.dwg



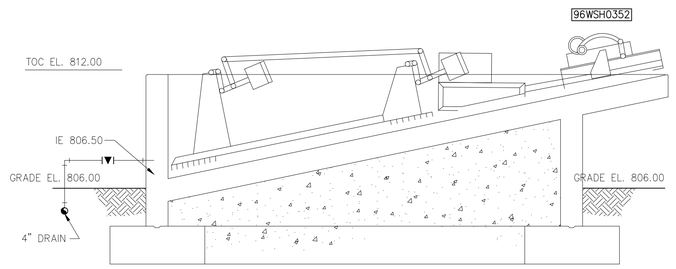
PLAN

N

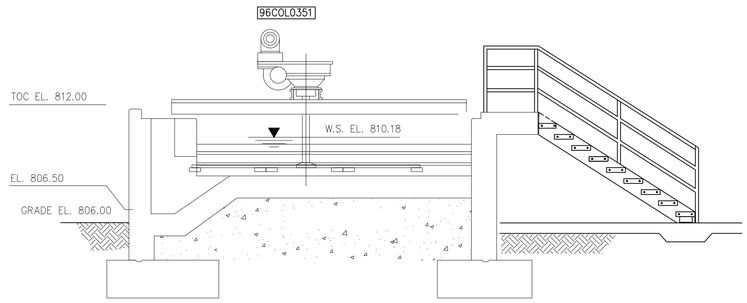
PROJECT NORTH

NOTES:

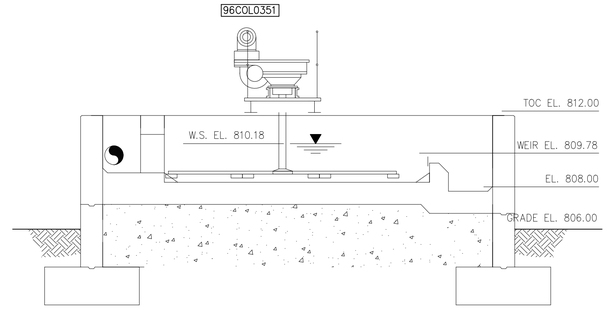
1. DETRITUS TANK #1 SHOWN. DETRITUS TANK #2 IS OPPOSITE HAND.



SECTION 1 M-26



SECTION 2 M-26



SECTION 3 M-26

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

City of Atlanta
Department of Watershed Management
Protecting Our Future

Metcalf & Eddy

SKING & associates, Inc.
ENGINEERS · PLANNERS · MANAGERS

REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: S. MATTHEWS
PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

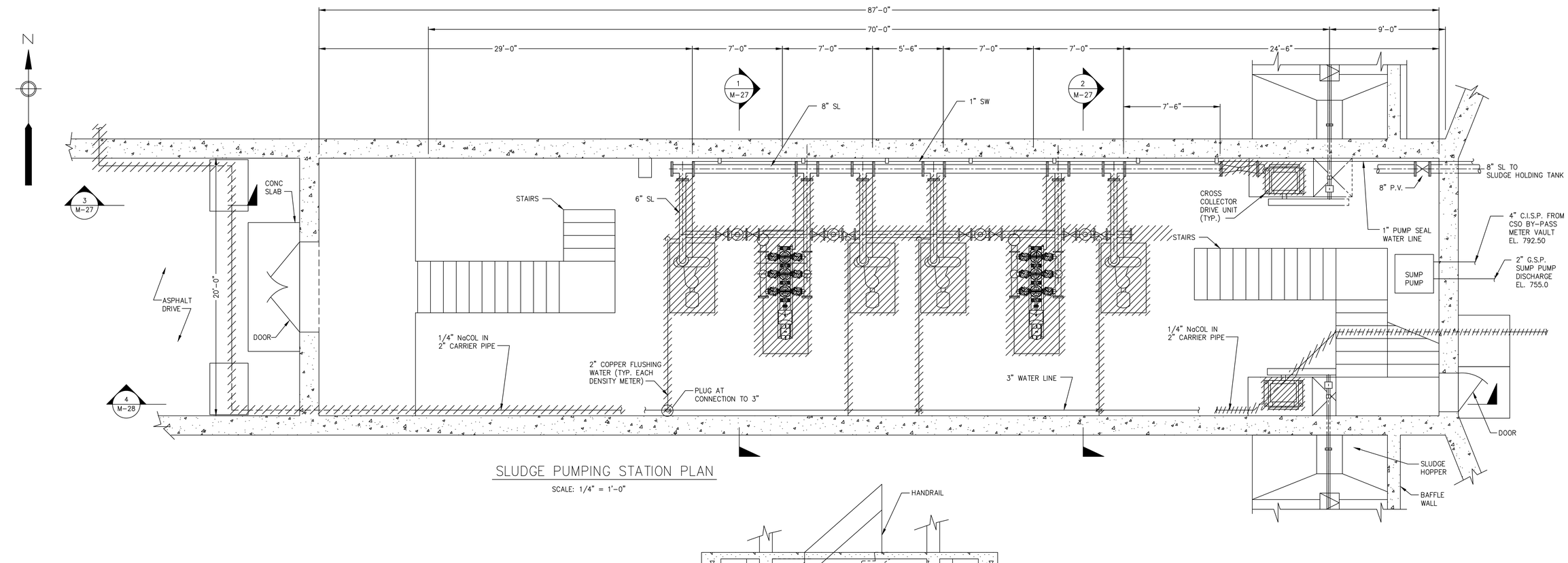
DETRITUS TANK PLAN & SECTIONS

MECHANICAL

NOVEMBER 2004

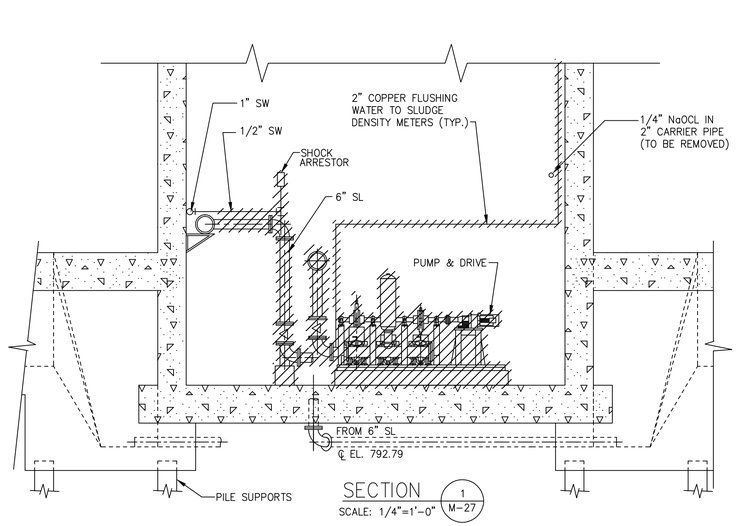
JOB 036202040
FILE NO.
CADD FILE MZETP026.dwg
SHEET M-26

PLOT DATE: July 31, 2014 @ 03:43:53 pm
PATH/FILENAME: G:\Wwm\GABPA134 - CSO Group 1\3_DATV\r COA\08 EATP\Drawings\200802-ASI Drawings\MZETP026.dwg

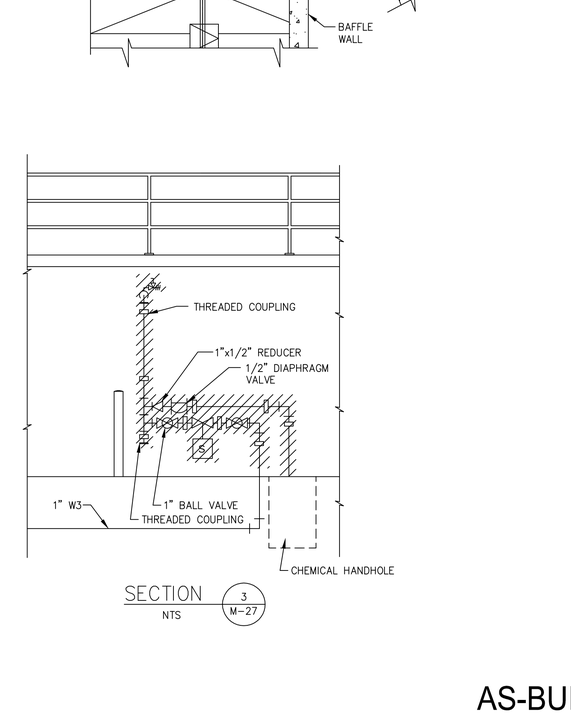


SLUDGE PUMPING STATION PLAN

SCALE: 1/4" = 1'-0"



SECTION 1 M-27
SCALE: 1/4"=1'-0"



SECTION 2 M-27
SCALE: 1/4"=1'-0"

SECTION 3 M-27
NTS

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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Metcalf & Eddy

SKING & Associates, Inc. ENGINEERS PLANNERS MANAGERS

REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: A. BLANTON
DEPT. CHECK: V. KUREK
PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

SLUDGE PUMP STATION DEMOLITION PLAN & SECTIONS

MECHANICAL — NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP027.dwg
SHEET M-27

PLOT DATE: July 31, 2014 @ 03:44:22 pm
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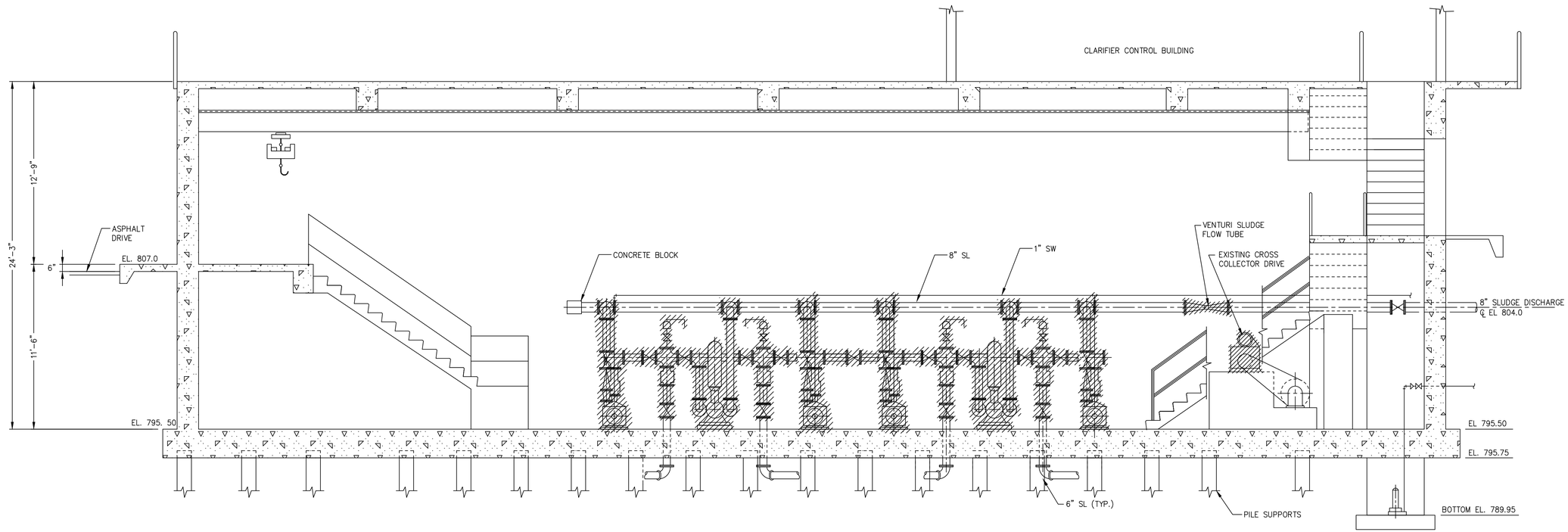

SECTION (4 / M-27)
SCALE: 1/4"=1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

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REG. PROF. ENGR. _____ DATE _____
REG. PROF. ENGR. _____ DATE _____

DRAWN BY: A. BLANTON
DEPT. CHECK: V. KUREK
PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

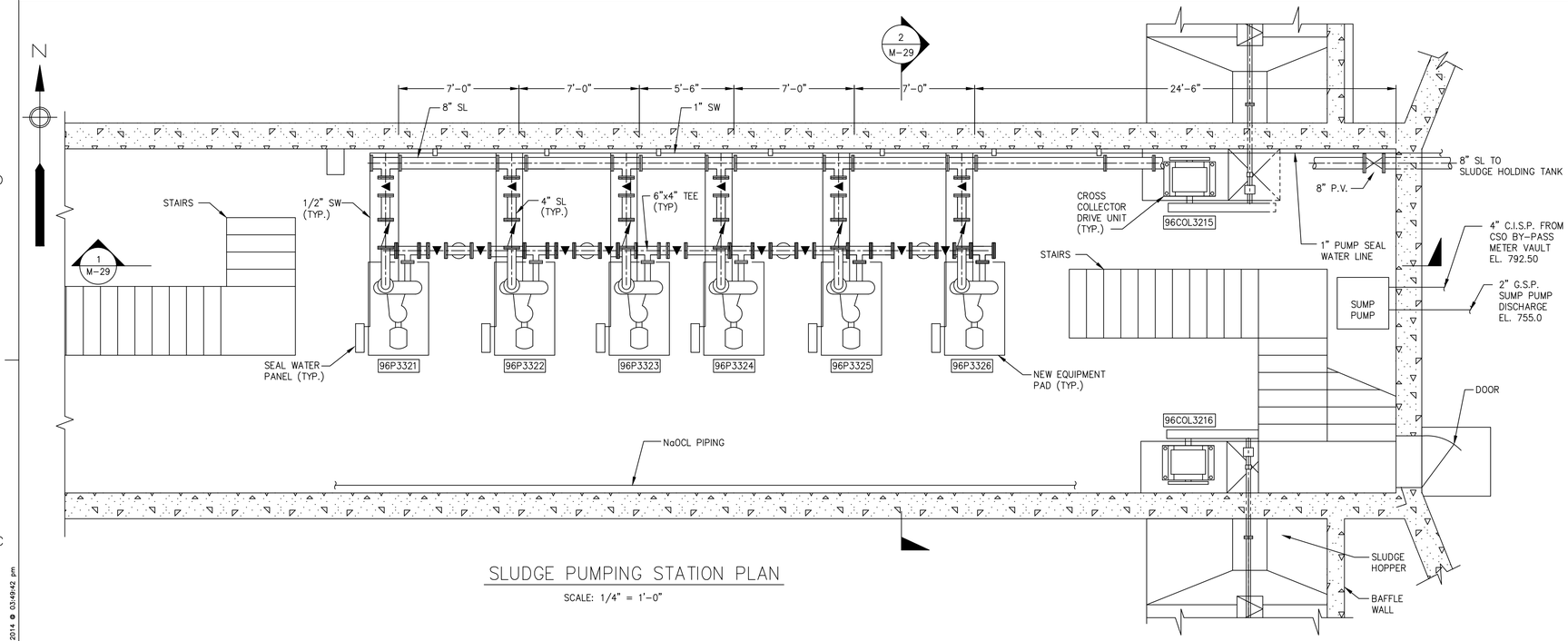
CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

SLUDGE PUMP STATION DEMOLITION SECTION

MECHANICAL
NOVEMBER 2004

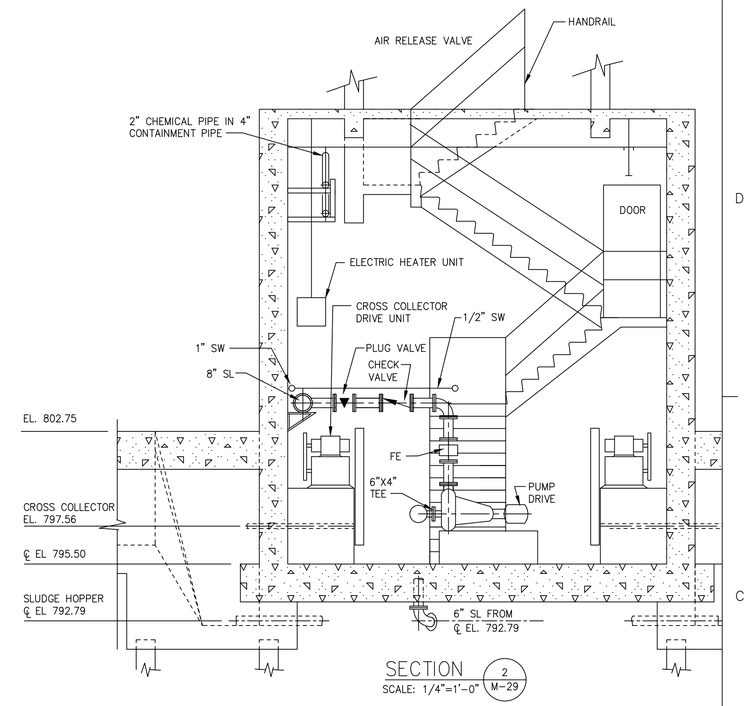
JOB 036202040
FILE NO.
CADD FILE MZETP028.dwg
SHEET M-28

PLOT DATE: July 31, 2014 @ 03:45:27 pm
PATH/FILENAME: G:\Www\QASPA134 - CSO Group 1\3_DAT\Fr COA\08 EATP\Drawings\2008-ASBI (Original Issue-ayers)\MZETP028.dwg



SLUDGE PUMPING STATION PLAN

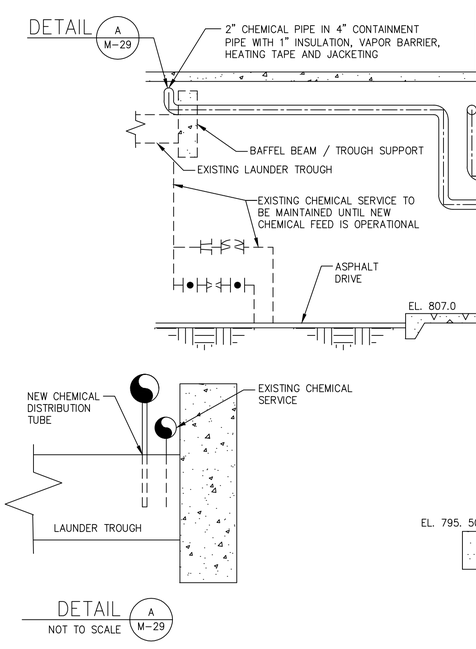
SCALE: 1/4" = 1'-0"



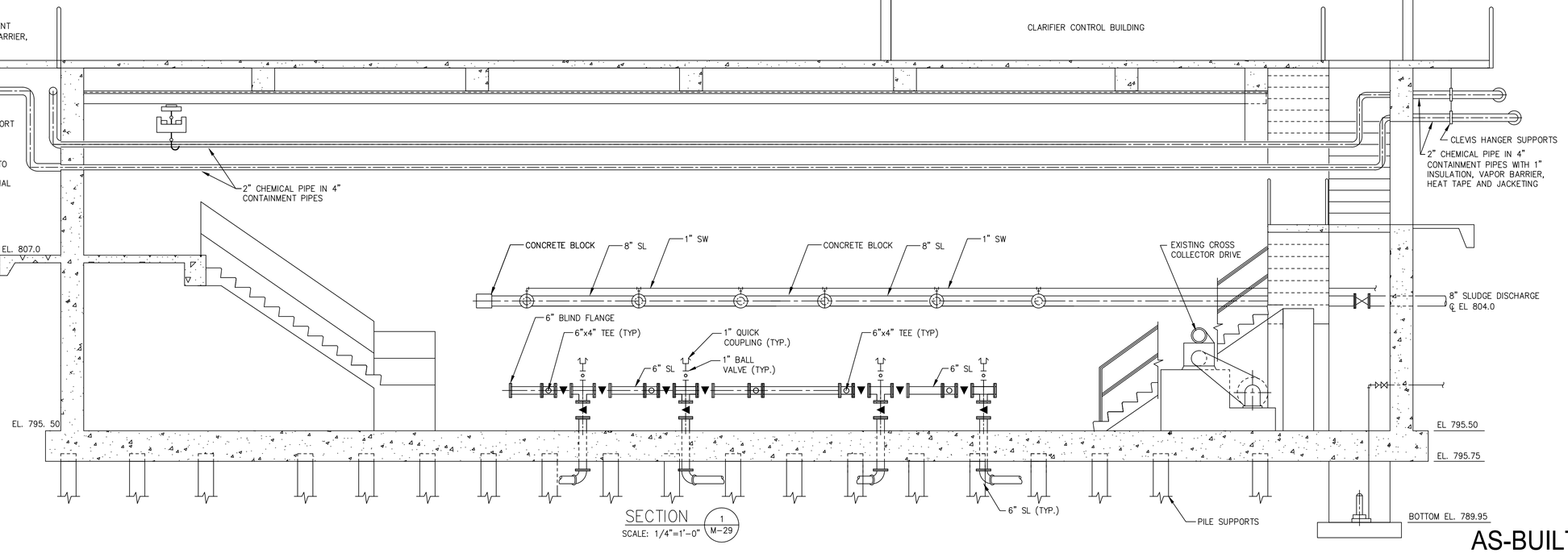
SECTION 2 M-29

SCALE: 1/4"=1'-0"

DETAIL A M-29



DETAIL NOT TO SCALE A M-29



SECTION 1 M-29

SCALE: 1/4"=1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

City of Atlanta
Department of Watershed Management
Protecting Our Future

Metcalf & Eddy

SKING & Associates, Inc. ENGINEERS PLANNERS MANAGERS

REG. PROF. ENGR. DATE

REG. PROF. ENGR. DATE

DRAWN BY	A. BLANTON
DEPT. CHECK	V. KUREK
PROJ. CHECK	N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

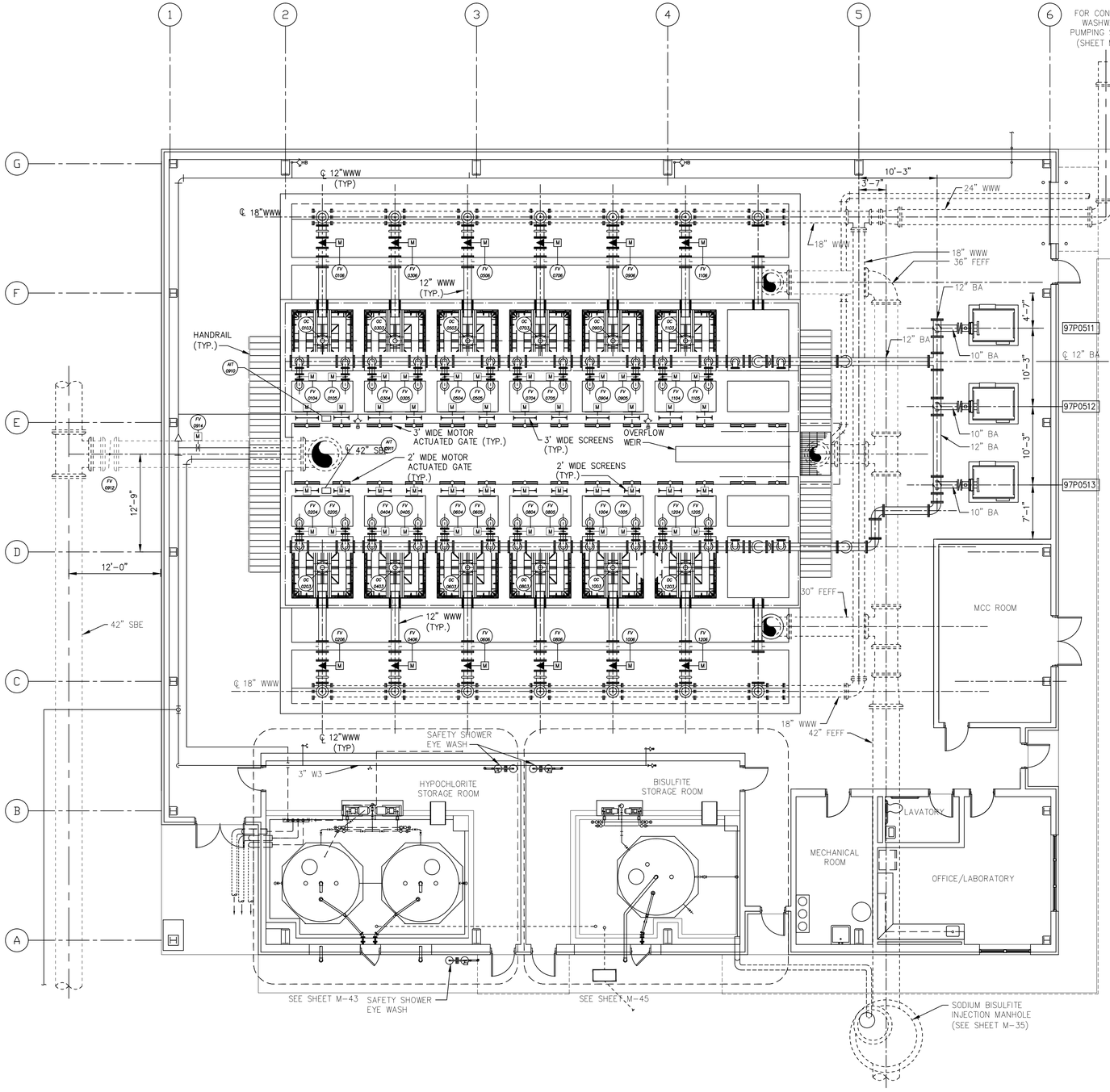
SLUDGE PUMP STATION MODIFICATION
PLAN & SECTIONS

MECHANICAL NOVEMBER 2004

JOB	036202040
FILE NO.	
CADD FILE	MZETP029.dwg
SHEET	M-29

PLOT DATE: July 31, 2014 @ 03:49:42 pm

PATH/FILENAME: G:\Wem\GABPA134 - CSO Group 1\3_DATA\Y- COA\08 EATP\Drawings\2008 ASSI (USA)\Civil\2008-ASSI-(USA)-Civil-MZETP029.dwg



AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

City of Atlanta
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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: L. COWELL
DEPT. CHECK: S. MATTHEWS
PROJ. CHECK: N. COOPER

SCALE:
1/8"=1'-0"
0 4 8 12 16 20 24
SCALE FEET

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING
GENERAL ARRANGEMENT PLAN

MECHANICAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP030.dwg
SHEET M-30

PATH/FILENAME: G:\Wwm\GABPA134 - CSO Group 1\3_DATA\Project Delivery\Bidding\2008-BID PACKAGE\ASBUILT\MZETP030.dwg
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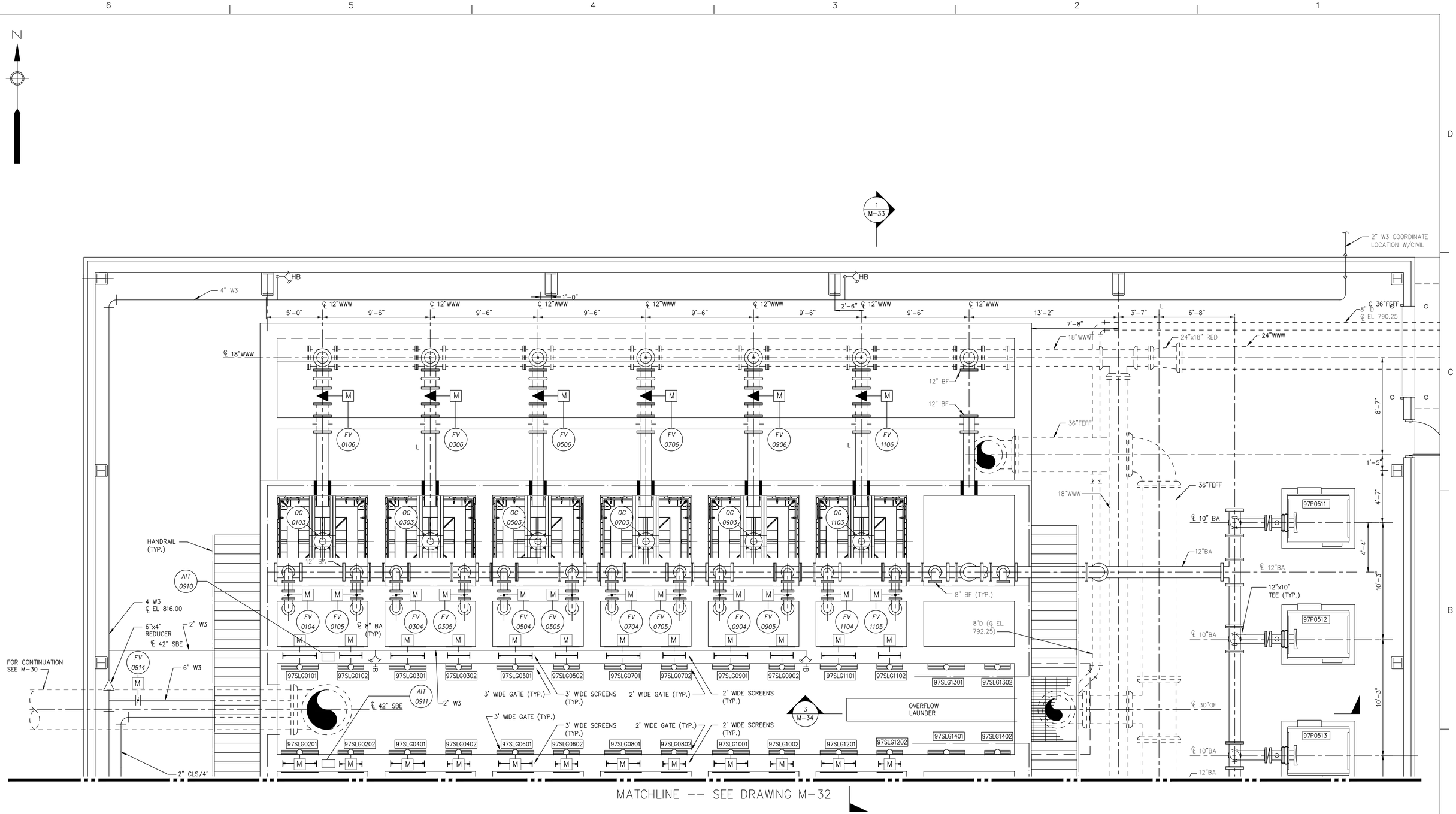

MATCHLINE -- SEE DRAWING M-32

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

City of Atlanta
Department of Watershed Management
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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: M. CALDWELL

DEPT. CHECK: V. KUREK

PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING
PARTIAL PLAN I

MECHANICAL

NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE MZETP031.dwg

SHEET M-31

PLOT DATE: July 31, 2014 @ 03:51:22 pm

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MATCHLINE -- SEE DRAWING M-31

1 M-33

N

FV 0204 | FV 0205 | FV 0404 | FV 0405 | FV 0604 | FV 0605 | FV 0804 | FV 0805 | FV 1004 | FV 1005 | FV 1204 | FV 1205

℄ 8" BA (TYP)

8" BF (TYP)

12" BA

4 M-34

OC 0203 | OC 0403 | OC 0603 | OC 0803 | OC 1003 | OC 1203

HANDRAIL (TYP.)

FV 0206 | FV 0406 | FV 0606 | FV 0806 | FV 1006 | FV 1206

12" BF

12" BF

30" FEFF

MCC ROOM

℄ 30"FEFF

7'-2"

1'-4"

℄ 12"WWW

18"WWW

42"x36" RED

℄ 18"WWW

2" CLS/ 4" CONTAINMENT ℄ EL. 816.00)

3"W3 ℄ EL. 817.00

6" W3

9'-6" | 9'-6" | 9'-6" | 9'-6" | 9'-6" | 9'-6"

℄ 12"WWW | ℄ 12"WWW | ℄ 12"WWW | ℄ 12"WWW | ℄ 12"WWW | ℄ 12"WWW | ℄ 12"WWW

42"FEFF

5'-5"

7'-1"

8"

℄ 12" BA

SAFETY SHOWER EYE WASH

HYPOCHLORITE STORAGE ROOM

BISULFITE STORAGE ROOM

MECHANICAL ROOM

REFRIGERATOR

OFFICE/LABORATORY

4" PVC SLEEVE

4" PVC

BOX W/COVER

SAFETY SHOWER EYE WASH

Xref P:\202040ETP\A\APETP001.dwg

SEE SHEET M-43

SEE SHEET M-45

SODIUM BISULFITE INJECTION MANHOLE (SEE SHEET M-35)

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

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Department of Watershed Management
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REG. PROF. ENGR. — DATE

REG. PROF. ENGR. — DATE

DRAWN BY: M. CALDWELL

DEPT. CHECK: S. MATTHEWS

PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING PARTIAL PLAN 2

MECHANICAL — NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE MZETP032.dwg

SHEET M-32

PLOT DATE: July 31, 2014 @ 04:02:02 pm

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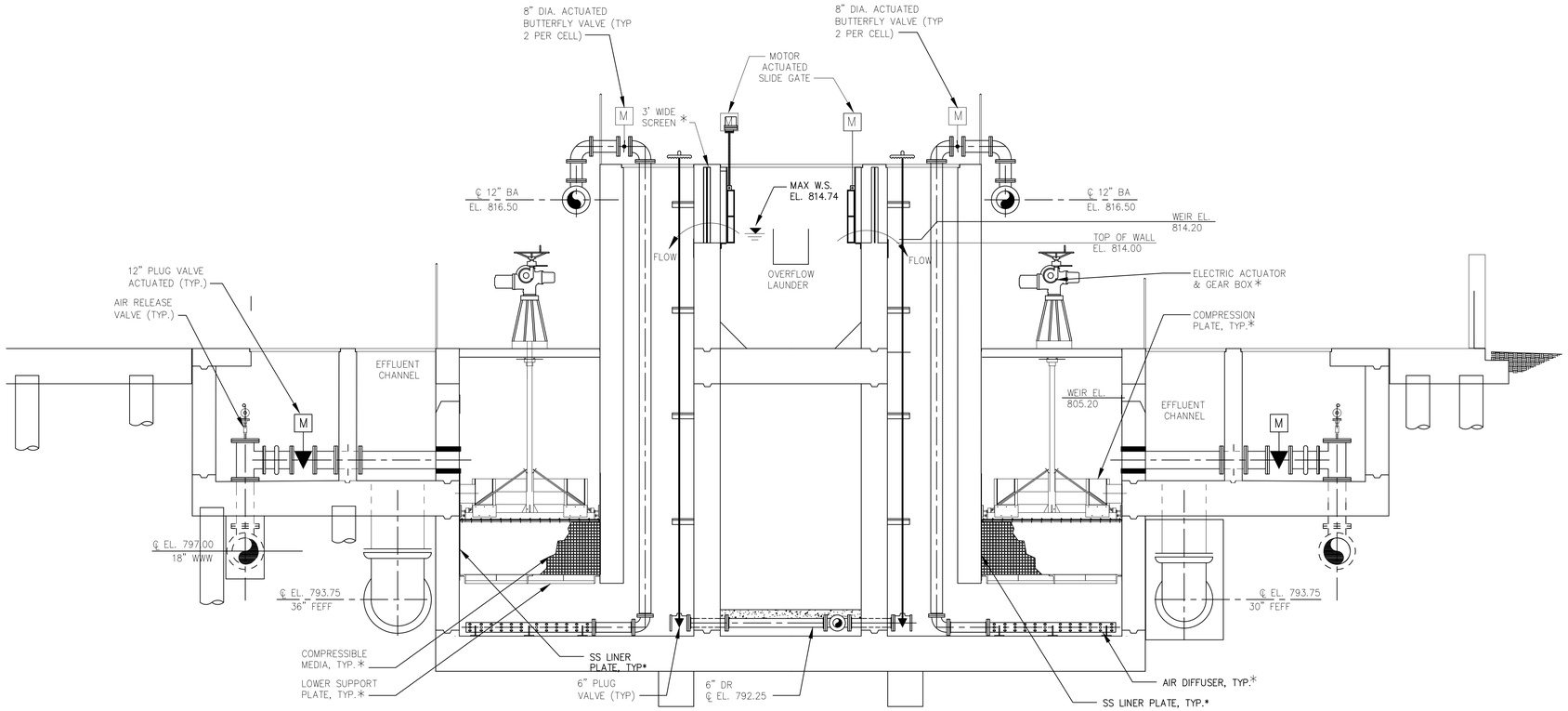

SECTION 1/M-31 1/M-32

NOTES:

1. ITEMS INDICATED WITH (*) ARE TO BE PROVIDED BY THE FILTER MANUFACTURER.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

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SKING & Associates, Inc. ENGINEERS PLANNERS MANAGERS

REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: L. COWELL

DEPT. CHECK: S. MATTHEWS

PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING
SECTIONS I

MECHANICAL

NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE MZETP033.dwg

SHEET M-33

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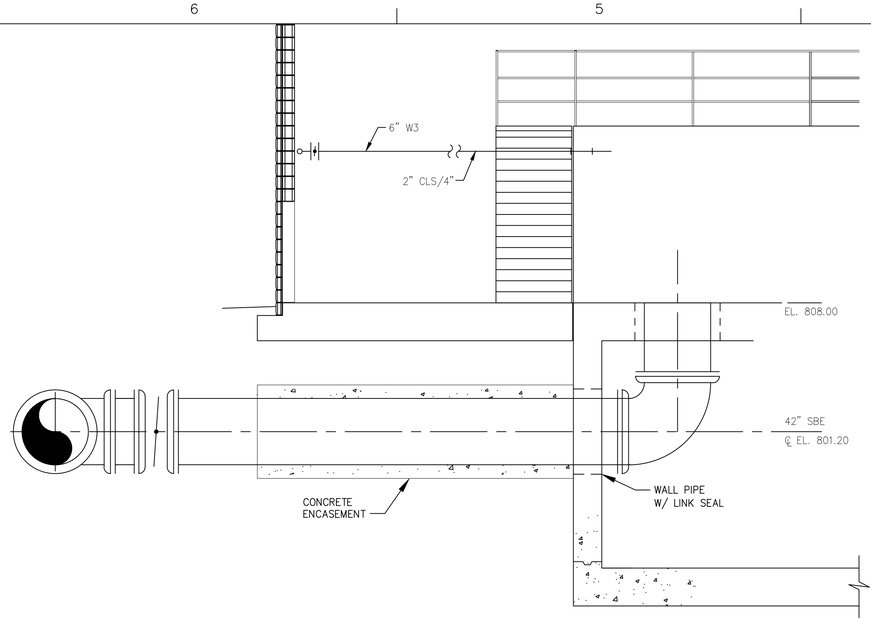
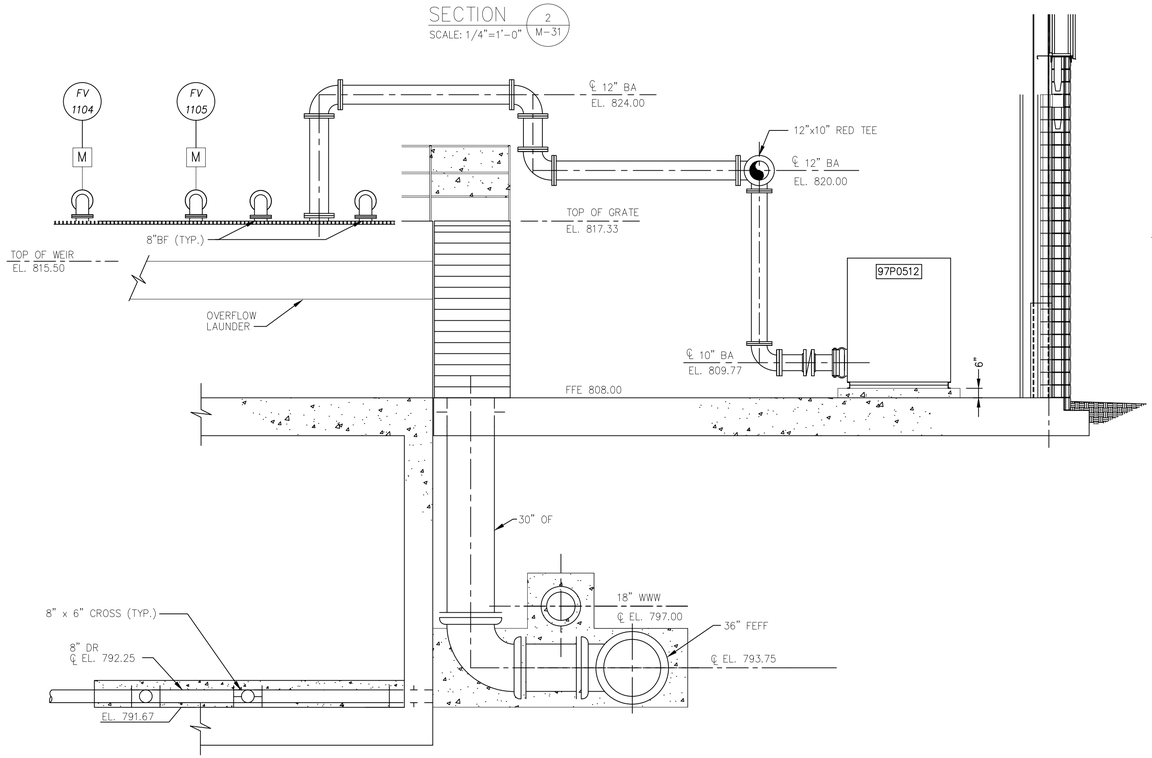
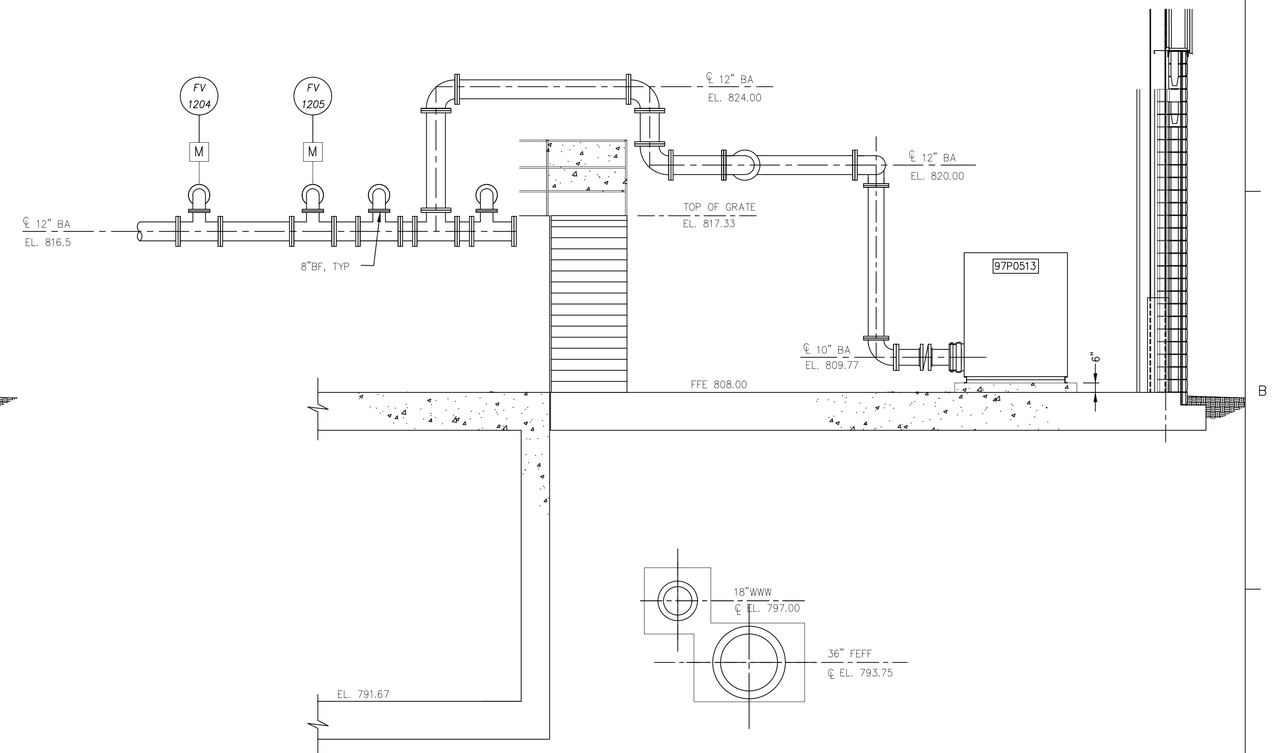


SECTION
SCALE: 1/4"=1'-0"
2
M-31



SECTION
SCALE: 1/4"=1'-0"
3
M-31



SECTION
SCALE: 1/4"=1'-0"
4
M-32

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

City of Atlanta
Department of Watershed Management
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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: S. MATTHEWS
PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING
PARTIAL PLAN AND SECTIONS 2

MECHANICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP034.dwg
SHEET M-34

PLOT DATE: July 31, 2014 @ 04:03:21 pm
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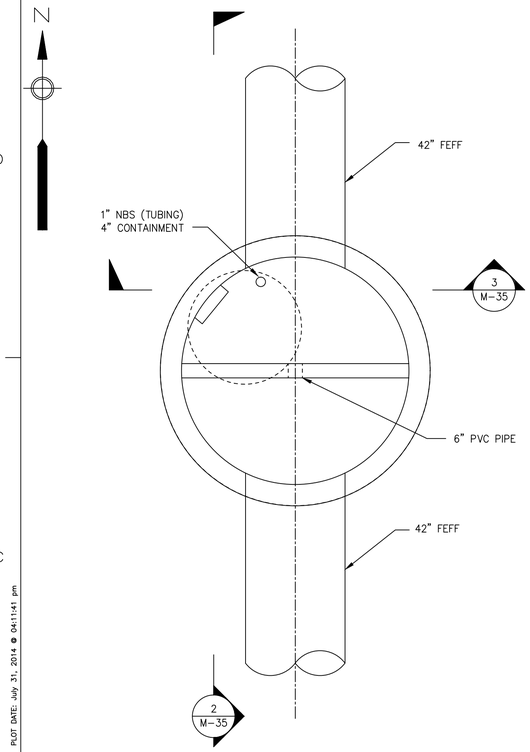
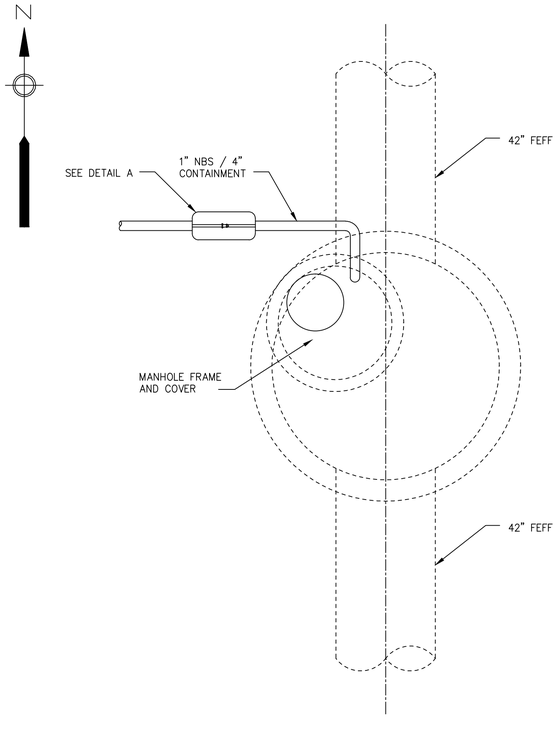


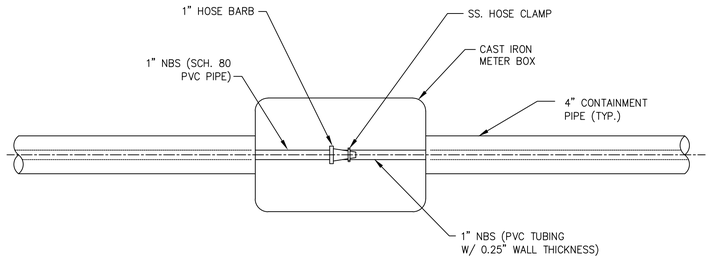
BOTTOM PLAN

SCALE: 3/8"-1'-0"



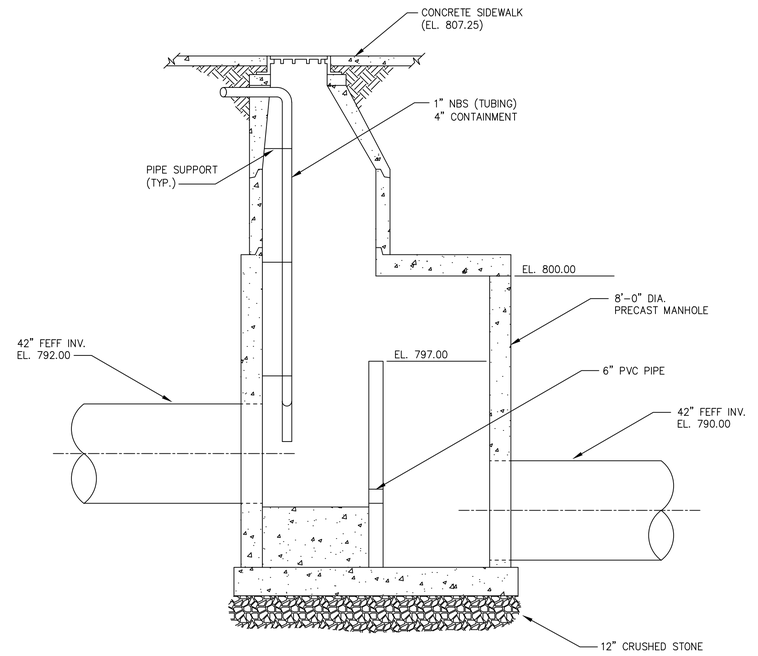
TOP PLAN

SCALE: 3/8"-1'-0"



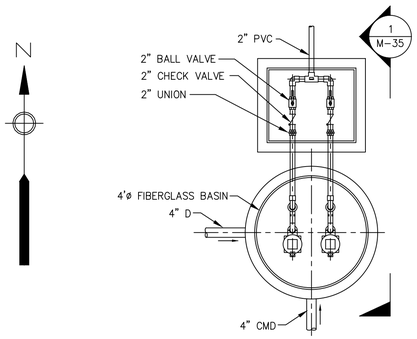
DETAIL A M-35

SCALE: N.T.S.



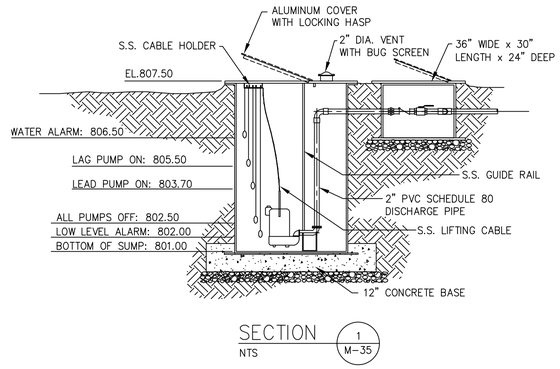
SECTION 2 M-35

NTS 3/8"-1'-0"



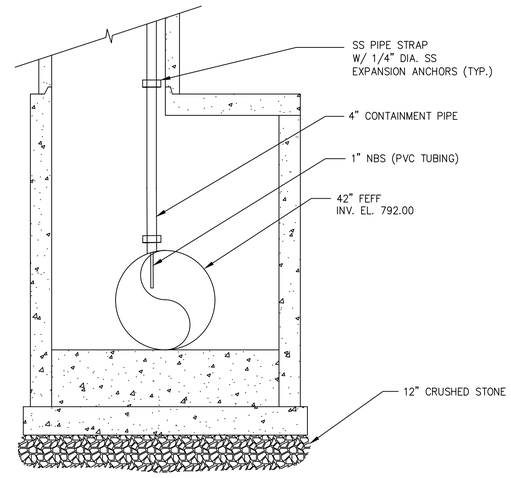
SANITARY PUMP STATION PLAN

SCALE: 3/8"-1'-0"



SECTION 1 M-35

NTS



SECTION 3 M-35

NTS 3/8"-1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

City of Atlanta
Department of Watershed Management
Protecting Our Future

Metcalf & Eddy

SKING & Associates, Inc. ENGINEERS PLANNERS MANAGERS

REG. PROF. ENGR. DATE

REG. PROF. ENGR. DATE

DRAWN BY: M. CALDWELL

DEPT. CHECK: V. KUREK

PROJ. CHECK: N. COOPER

SCALE: 3/8"=1'-0" (0 2 4 6 8 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING SECTIONS AND DETAILS

MECHANICAL NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE MZETP035.dwg

SHEET M-35

PATH/FILENAME: G:\Wem\GA8PA134 - CSO Group 1\3_DATA\Project Data\CAD\Drawings\2008 ASBUILT\MZETP035.dwg
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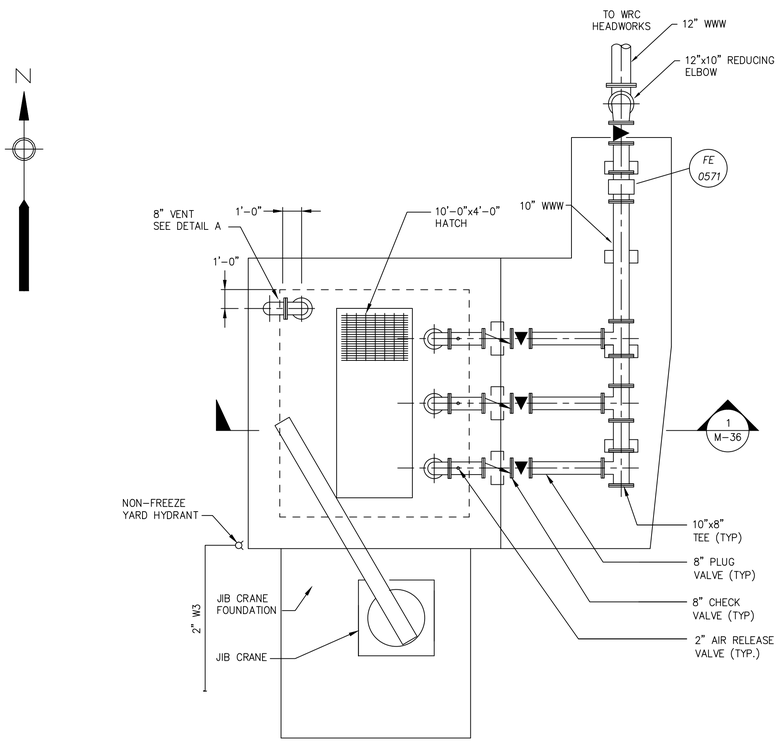
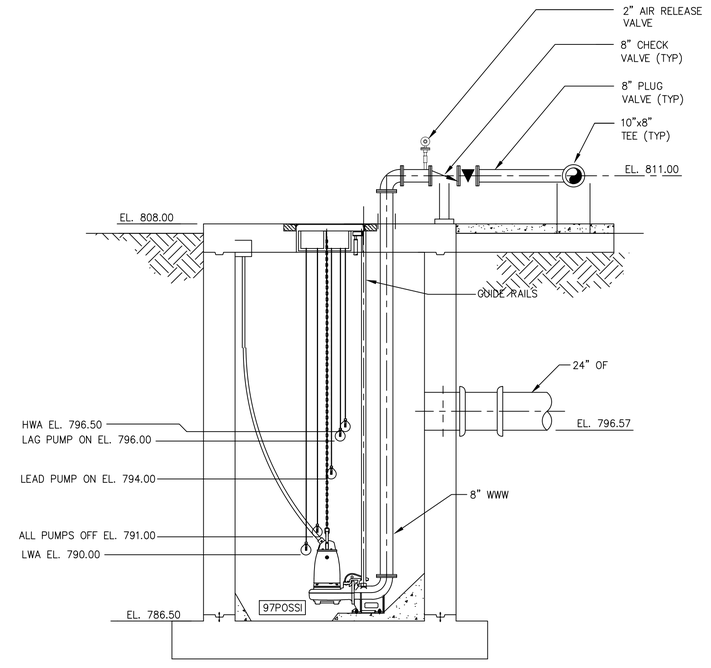
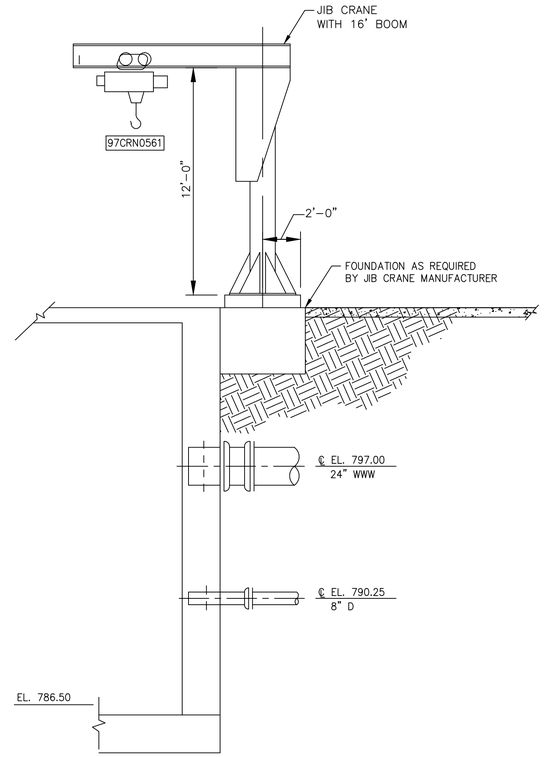


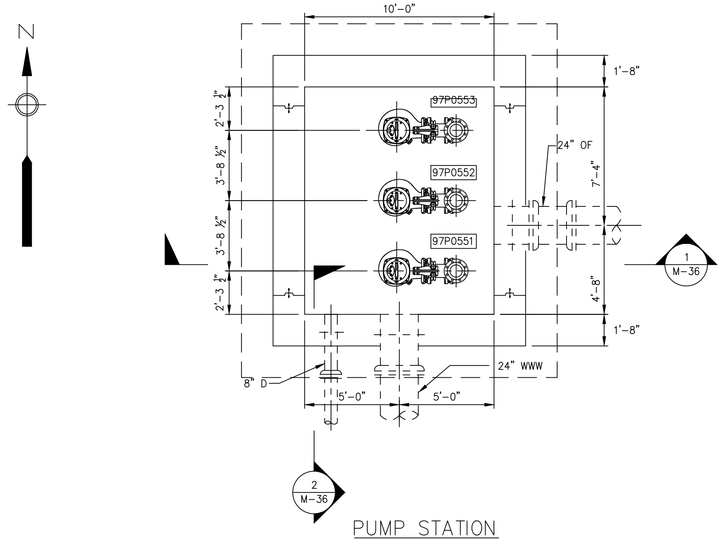
PUMP STATION
TOP PLAN



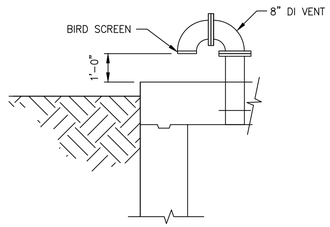
SECTION 1 M-36



SECTION 2 M-36



PUMP STATION
BOTTOM PLAN



DETAIL
SCALE: 3/8" = 1'-0" A M-36

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

City of Atlanta
Department of Watershed Management
Protecting Our Future

Metcalf & Eddy

SKING & Associates, Inc. ENGINEERS PLANNERS MANAGERS

REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: L. COWELL
DEPT. CHECK: V. KUREK
PROJ. CHECK: N. COOPER

SCALE:
1/4"=1'-0" (0, 4, 8, 12 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

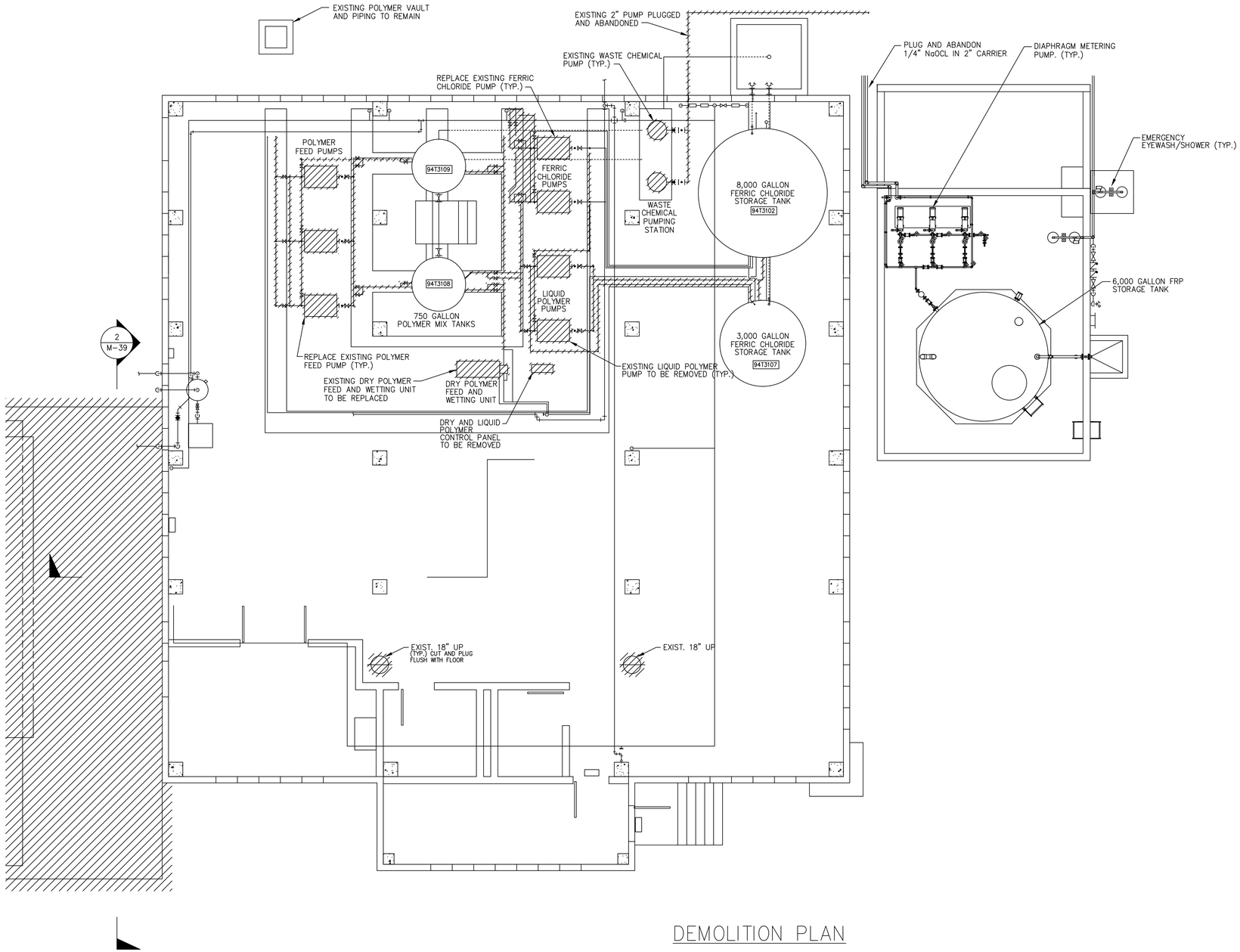
WASTE WASHWATER PUMPING STATION PLANS & SECTIONS

MECHANICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP036.dwg
SHEET M-36

PLOT DATE: July 31, 2014 @ 04:12:23 pm
PATH/FILENAME: G:\Ww\\QABPA134 - CSO Group 1\V3_DMT\Fr CGA\08 EATP\Drawings\2008 ASSI DRAWINGS\MZETP036.dwg



DEMOLITION PLAN

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

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Department of Watershed Management
Protecting Our Future

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SKING & Associates, Inc. ENGINEERS PLANNERS MANAGERS

REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: M. CALDWELL

DEPT. CHECK: V. KUREK

PROJ. CHECK: N. COOPER

SCALE: 3/16"=1'-0" (0, 4, 8, 12, 16 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

CHEMICAL BUILDING
FIRST FLOOR DEMOLITION PLAN

MECHANICAL

NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE MZETP037.dwg

SHEET M-37

PLOT DATE: July 31, 2014 @ 04:16:06 pm

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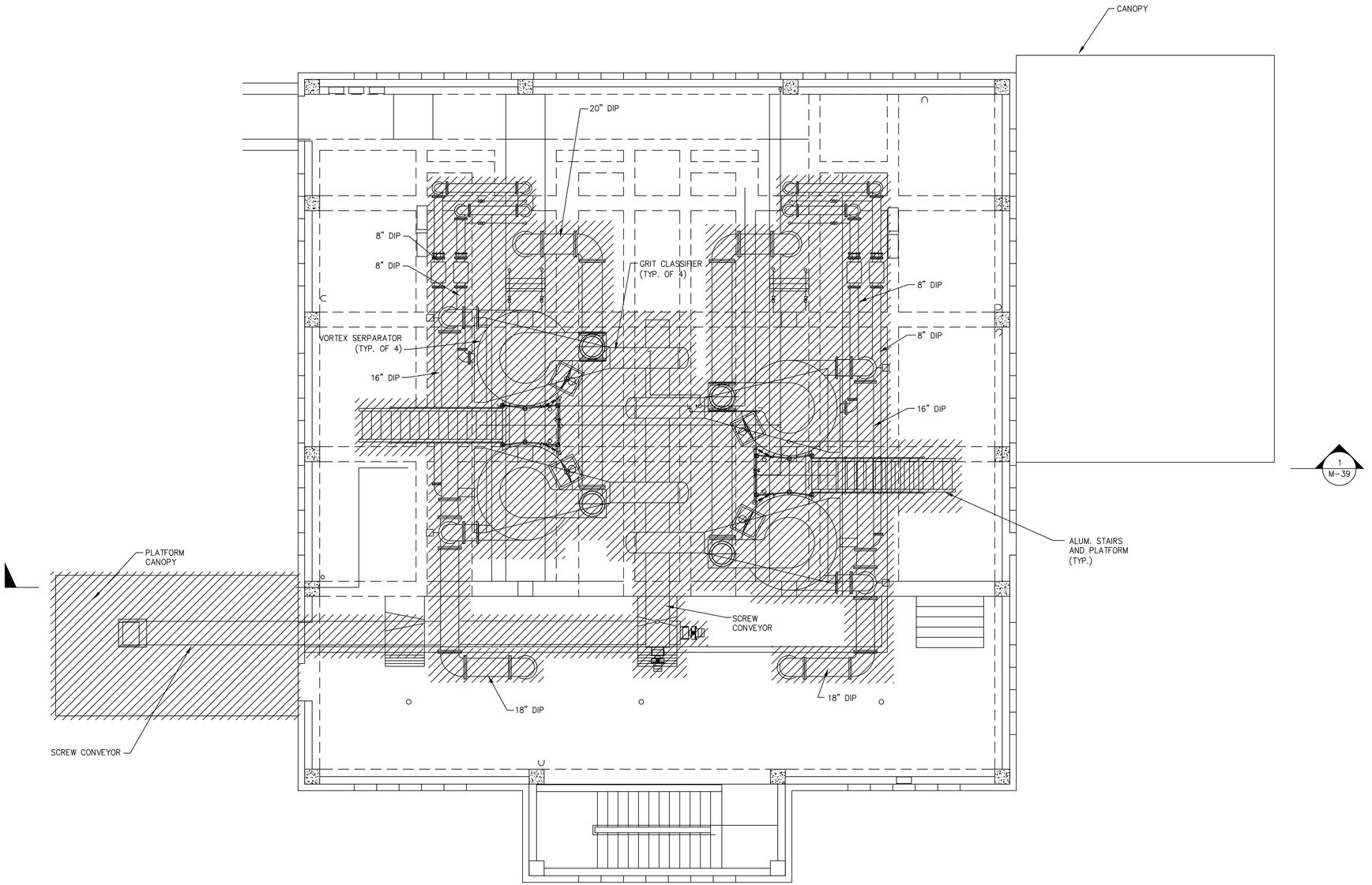

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

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Department of Watershed Management
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SKING & Associates, Inc. ENGINEERS PLANNERS MANAGERS

REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: M. CALDWELL

DEPT. CHECK: V. KUREK

PROJ. CHECK: N. COOPER

SCALE: 3/16"=1'-0" (0 4 8 12 16 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

CHEMICAL BUILDING SECOND FLOOR DEMOLITION PLAN

MECHANICAL

NOVEMBER 2004

JOB 036202040

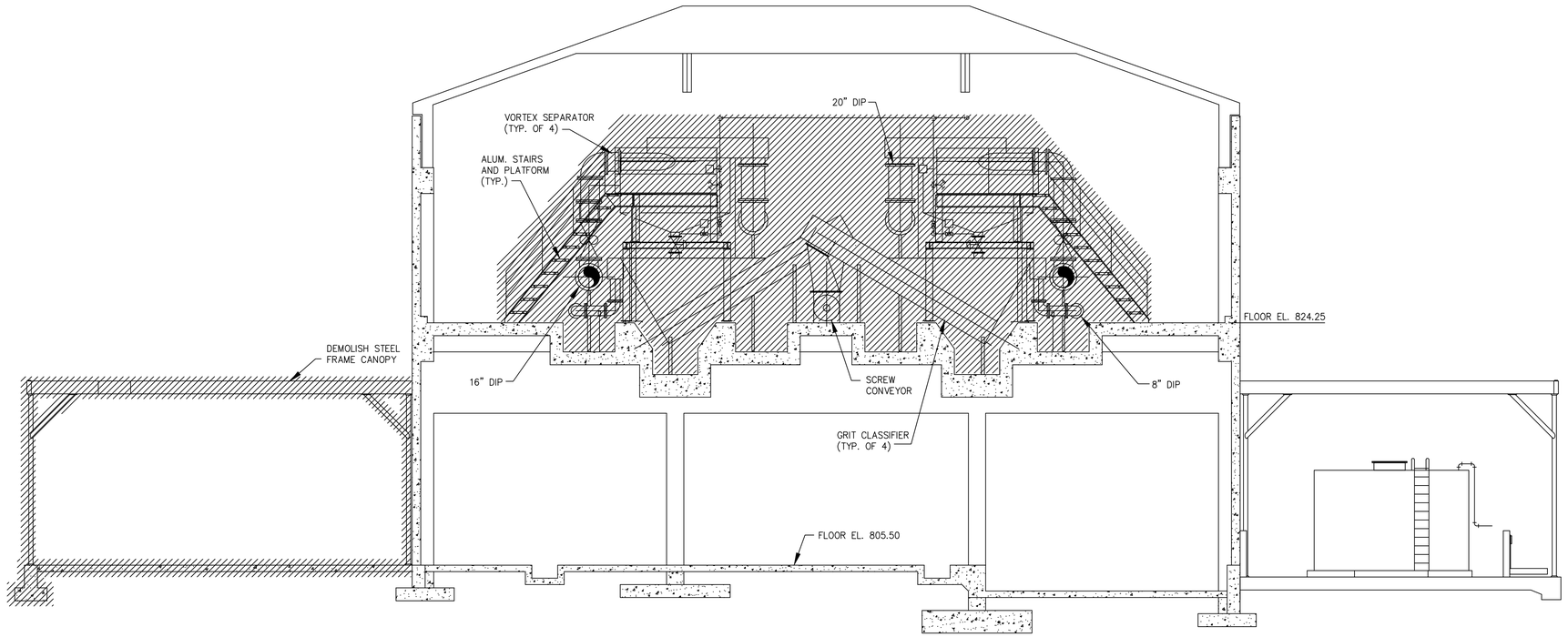
FILE NO.

CADD FILE MZETP038.dwg

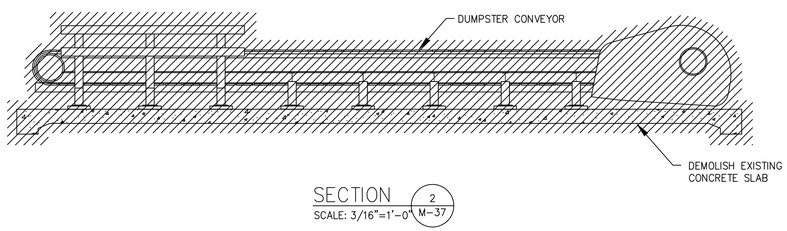
SHEET M-38

PLOT DATE: July 31, 2014 @ 04:16:39 pm

PATH/FILENAME: G:\Wem\QASP\134 - CSO Group 1\3_DAT\Fr CDA\08 EATP\Drawings\2008-ASC-UPdate\2008-ASC-BUILT-2004\M-38\M-038.dwg



SECTION 1 (M-37, M-38)
SCALE: 3/16"=1'-0"



SECTION 2 (M-37)
SCALE: 3/16"=1'-0"

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: R. BIRTWISTLE
PROJ. CHECK: N. COOPER

SCALE: 3/16"=1'-0" (0, 4, 8, 12, 16 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

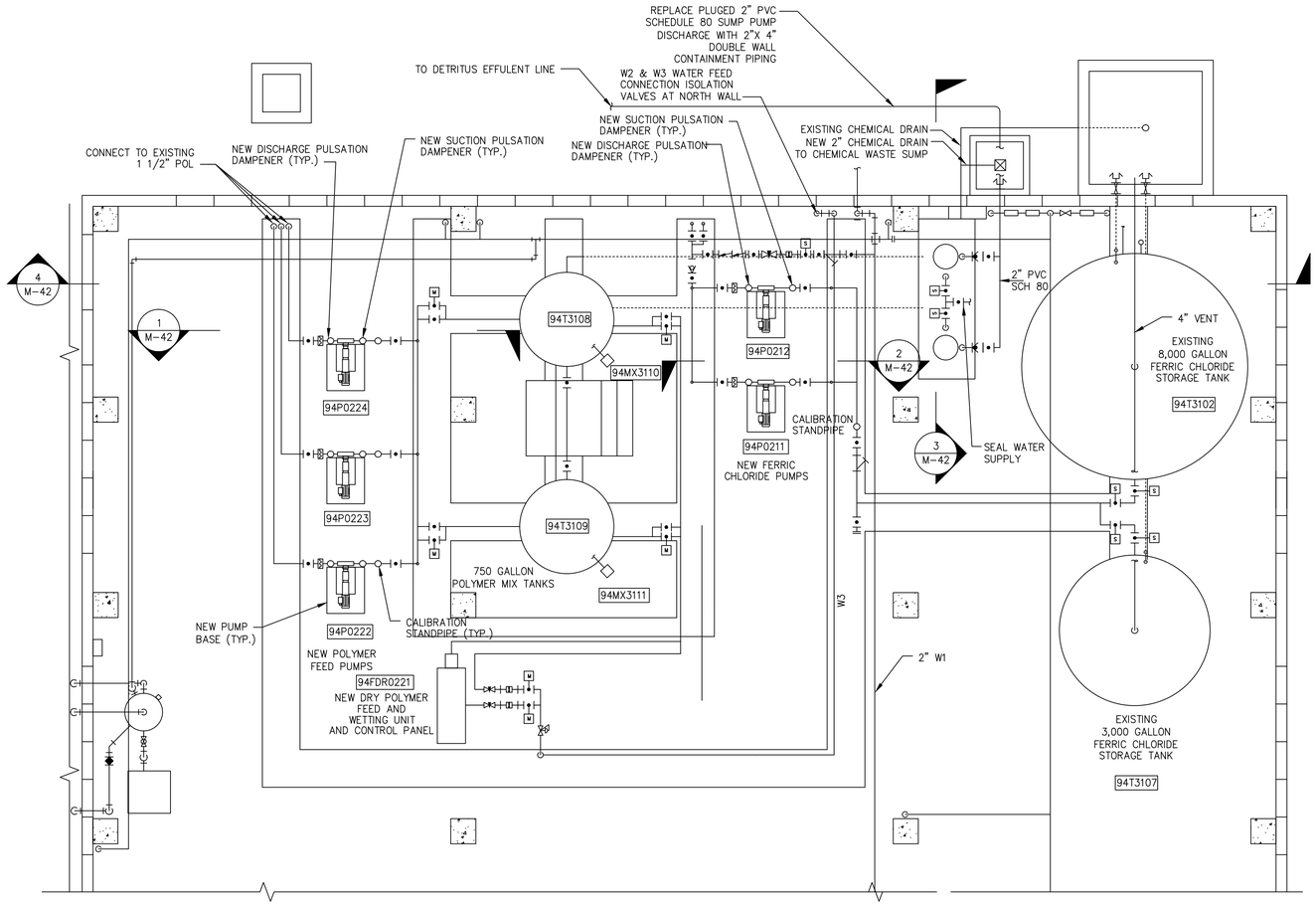
CHEMICAL BUILDING DEMOLITION SECTION 1

MECHANICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP039.dwg
SHEET M-39

PATH/FILENAME: G:\Wwm\QABPA134 - CSO Group 1\3_DAT\Fr CQA\08 EATP\Drawings\2008-ASBUILT\MZETP039.dwg
PLOT DATE: July 31, 2014 @ 04:17:03 pm



PLAN VIEW

N

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

City of Atlanta
Department of Watershed Management
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SKING & Associates, Inc. ENGINEERS PLANNERS MANAGERS

REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: V. KUREK
PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

CHEMICAL BUILDING CHEMICAL SYSTEMS PLAN

MECHANICAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP041.dwg
SHEET M-41

PATH/FILENAME: G:\Www\GA&PA134 - CSO Group 1\3_DATA\Fr CGA\08 EATP\Drawings\2008 AS&S UPGRADES\MZETP041.dwg
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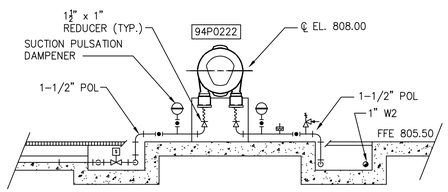
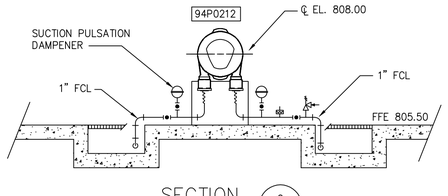
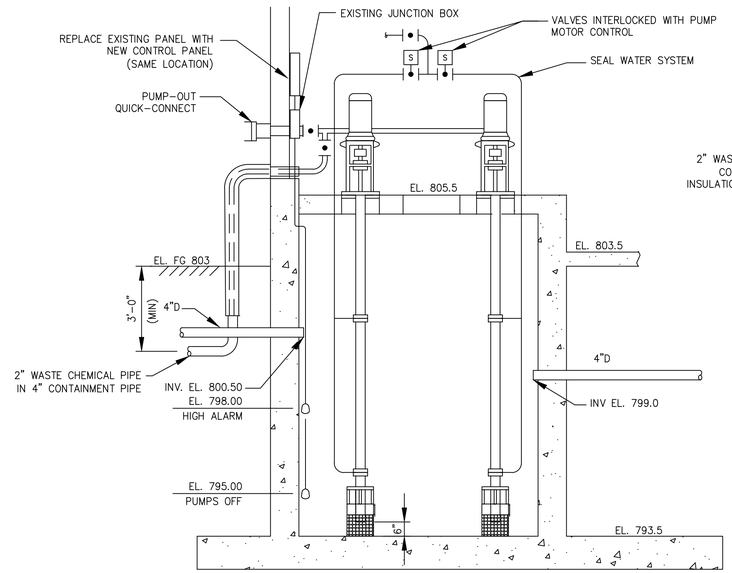


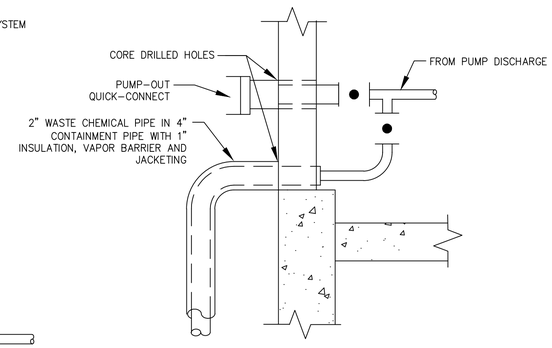
SECTION 1 M-41
NTS



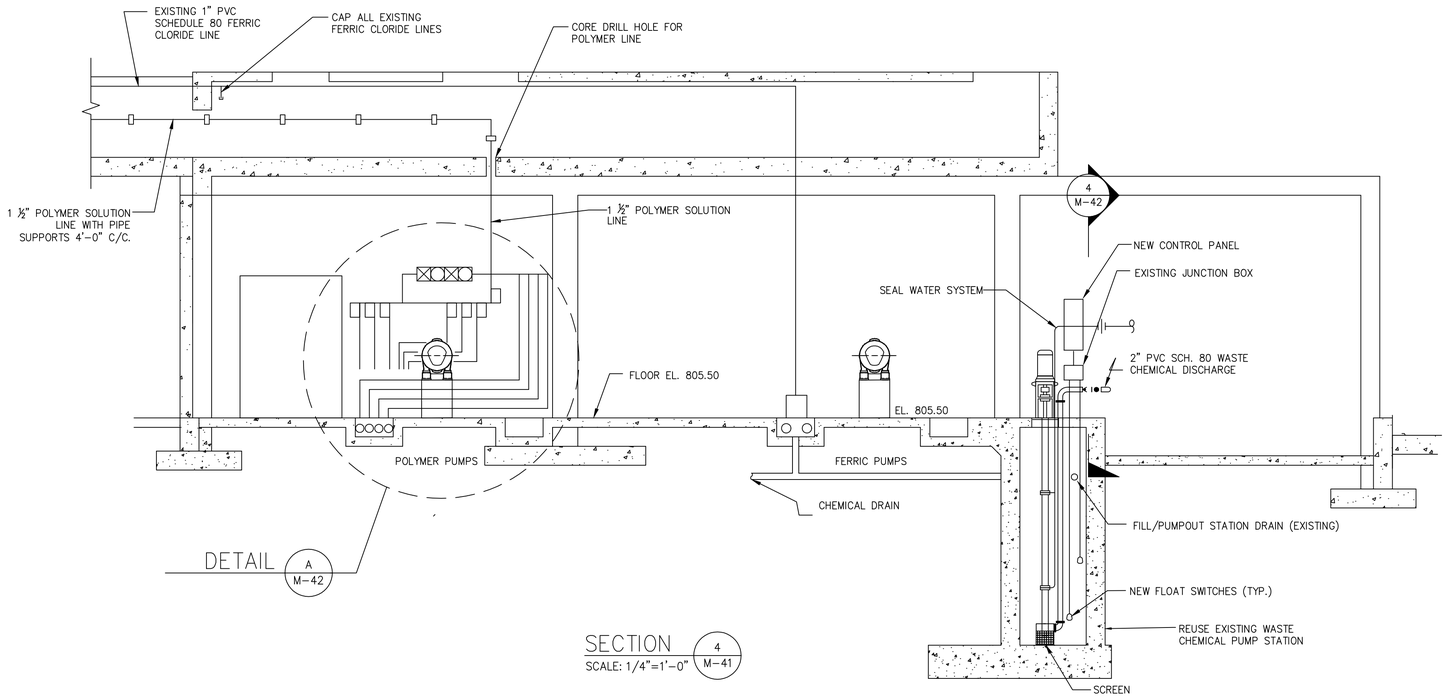
SECTION 2 M-41
NTS



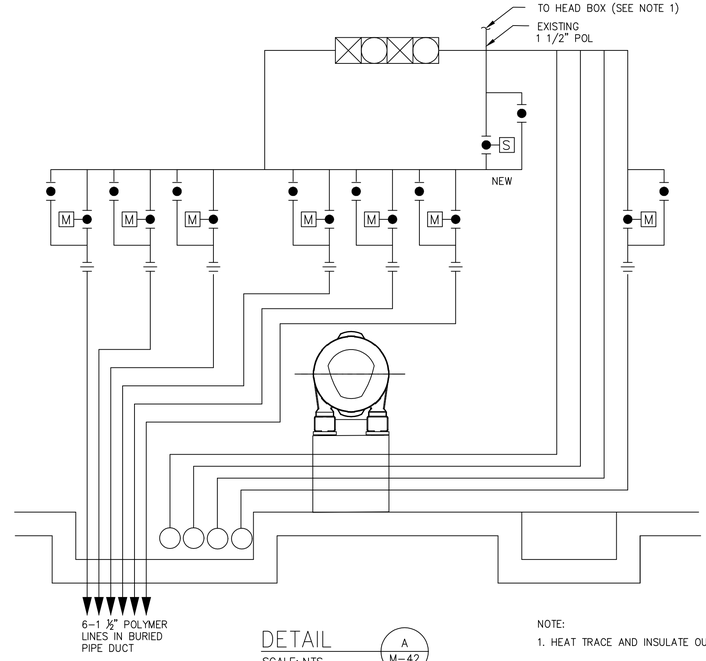
SECTION 3 M-41
3/8"=1'-0"



SECTION 4 M-42
3/4"=1'-0"



SECTION 4 M-41
SCALE: 1/4"=1'-0"



DETAIL A M-42
SCALE: NTS

NOTE:
1. HEAT TRACE AND INSULATE OUTSIE POLYMER PIPING.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

City of Atlanta
Department of Watershed Management
Protecting Our Future

Metcalf & Eddy

SKING & Associates, Inc.
ENGINEERS PLANNERS MANAGERS

REG. PROF. ENGR. _____ DATE _____
REG. PROF. ENGR. _____ DATE _____

DRAWN BY	D. DOOM
DEPT. CHECK	V. KUREK
PROJ. CHECK	N. COOPER

SCALE: AS NOTED

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

CHEMICAL BUILDING CHEMICAL SYSTEMS SECTIONS

MECHANICAL NOVEMBER 2004

JOB	036202040
FILE NO.	
CADD FILE	MZETP042.dwg
SHEET	M-42

PLOT DATE: July 31, 2014 @ 04:18:38 pm
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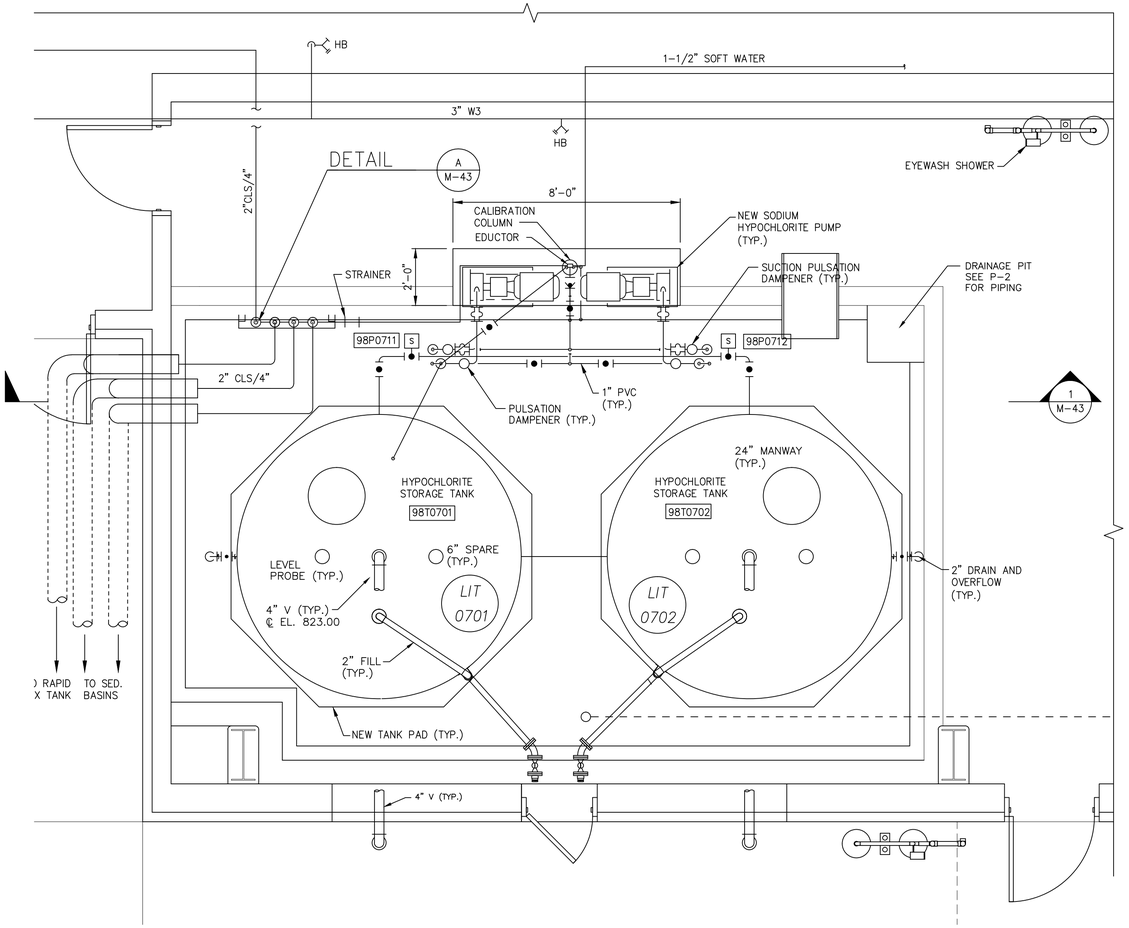
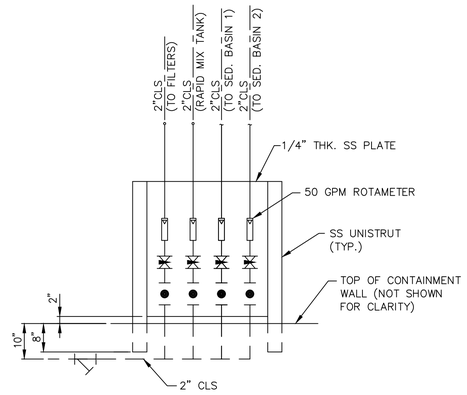


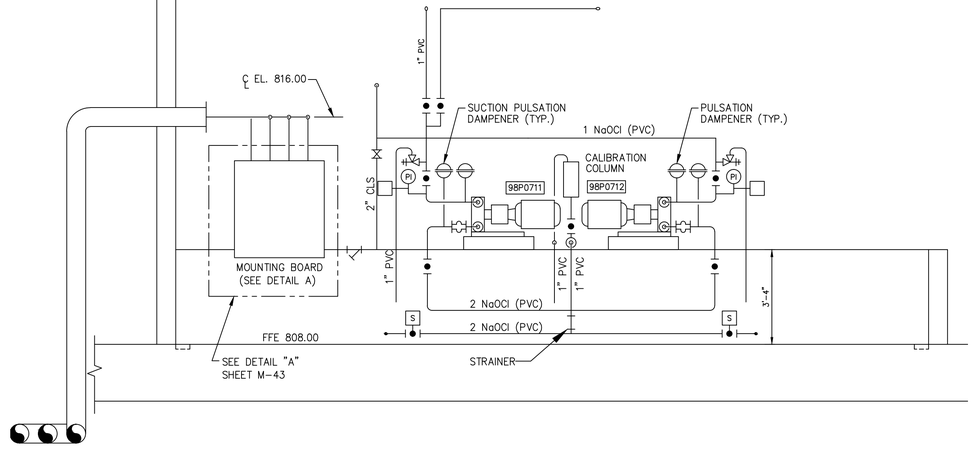
PLAN



DETAIL
NOT TO SCALE
A
M-43

NOTE:

SEE DRAWING M-32 FOR FUTURE CHEMICAL TRANSFER TUBING SLEEVE BETWEEN HYPO. AND BISULFITE TANK ROOMS.



SECTION
1
M-43

NOTE:

HEAT TRACE AND INSULATE OUTSIDE POLYMER PIPING.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: V. KUREK
PROJ. CHECK: N. COOPER

SCALE: 3/8"=1'-0" (0 2 4 6 8 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

SODIUM HYPOCHLORITE SYSTEM PLAN, SECTION AND DETAILS

MECHANICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP043.dwg
SHEET M-43

PATH/FILENAME: G:\Wwm\GABPA134 - CSO Group 1\3_DAT\Fr CGA\08 EATP\Drawings\2008 ASBI UPDATES\MZETP043.dwg
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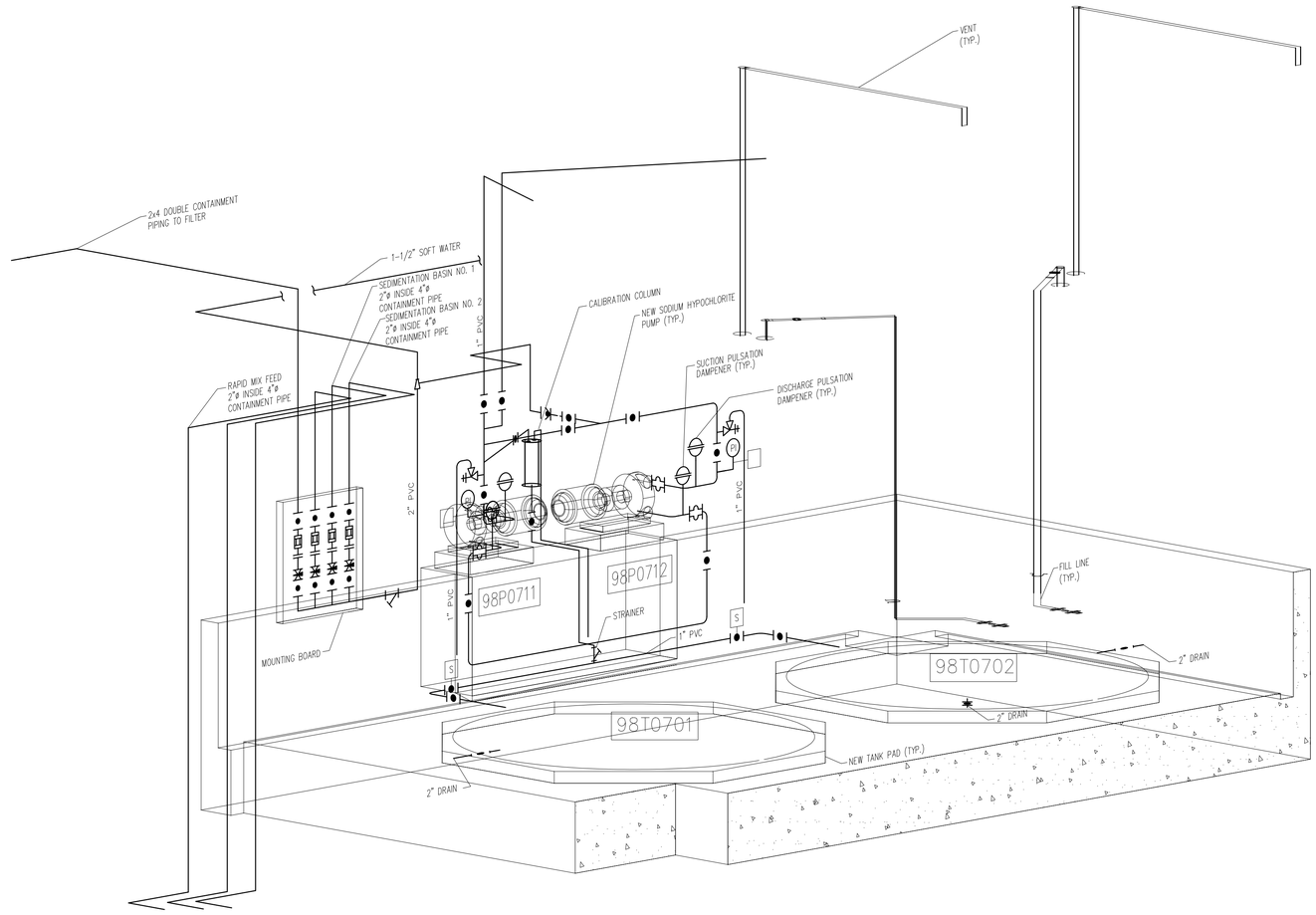

NOTE:

SEE DRAWING M-32 FOR FUTURE CHEMICAL TRANSFER TUBING SLEEVE BETWEEN HYPO. AND BISULFITE TANK ROOMS.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

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Department of Watershed Management
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SLKING & Associates Inc
ENGINEERS • PLANNERS • MANAGERS

REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: L. ROBINSON
DEPT. CHECK: V. KURKEK
PROJ. CHECK: N. COOPER

SCALE: NONE

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

SODIUM HYPOCHLORITE SYSTEM
ISOMETRIC

MECHANICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP044.dwg
SHEET M-44

PLOT DATE: July 31, 2014 @ 04:20:04 pm

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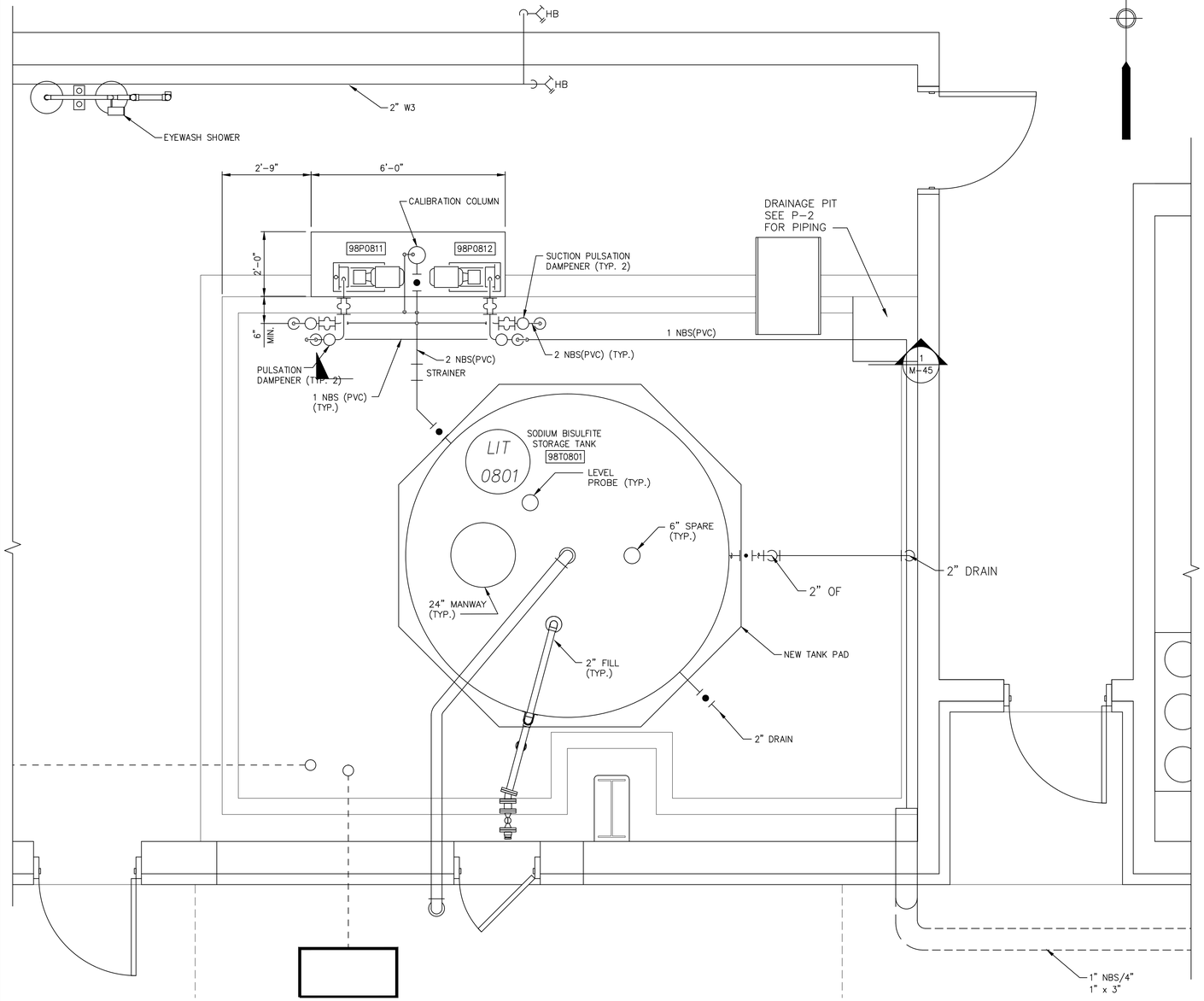
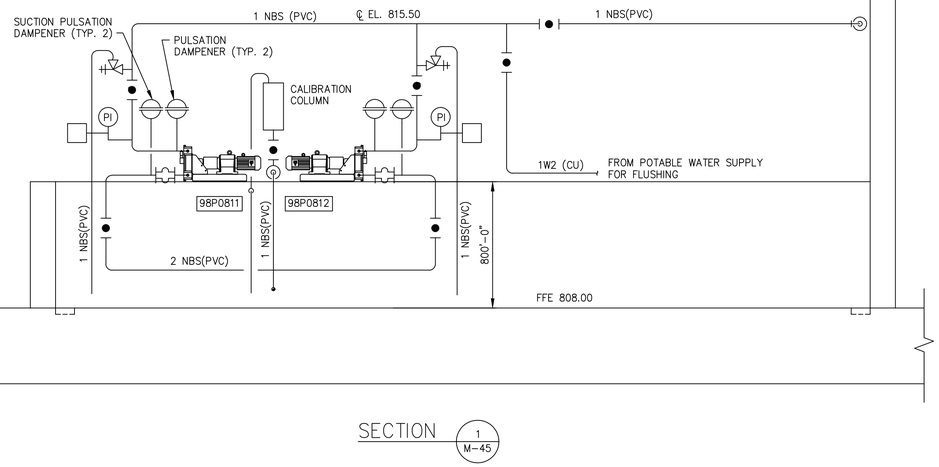


PLAN VIEW



SECTION 1 / M-45

NOTE:

SEE DRAWING M-32 FOR FUTURE CHEMICAL TRANSFER TUBING SLEEVE BETWEEN HYPO. AND BISULFITE TANK ROOMS.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

City of Atlanta
Department of Watershed Management
Protecting Our Future

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SKING Associates, Inc. ENGINEERS · PLANNERS · MANAGERS

REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: M. CALDWELL
DEPT. CHECK: V. KUREK
PROJ. CHECK: N. COOPER

SCALE: 1/2"=1'-0" (0 1 2 3 4 5 6 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

SODIUM BISULFITE SYSTEM PLAN, PLAN AND SECTION

MECHANICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE MZETP045.dwg
SHEET M-45

PATH/FILENAME: G:\Wwm\GABPA134 - CSO Group 1\3_DATV Cr COA\08 EATP\Drawings\2008 AS-BUILT DRAWINGS\MZETP045.dwg
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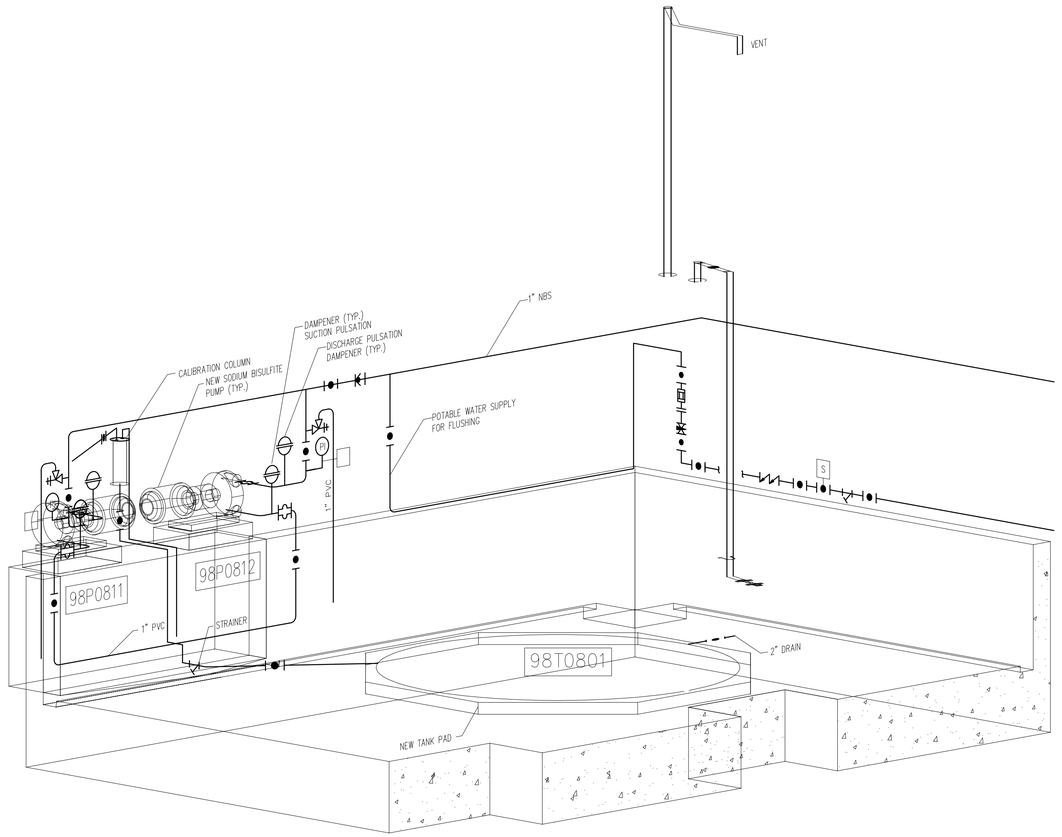

NOTE:

SEE DRAWING M-32 FOR FUTURE CHEMICAL TRANSFER TUBING SLEEVE BETWEEN HYPO. AND BISULFITE TANK ROOMS.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: L. ROBINSON
DEPT. CHECK: V. KUREK
PROJ. CHECK: N. COOPER

SCALE: NOT TO SCALE

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

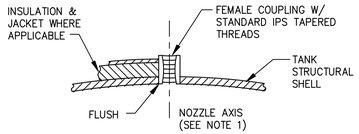
SODIUM BISULFITE SYSTEM
ISOMETRIC

MECHANICAL

NOVEMBER 2004

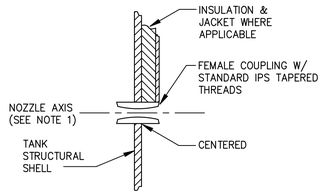
JOB 036202040
FILE NO.
CADD FILE MZETP046.dwg
SHEET M-46

PLOT DATE: July 31, 2014 @ 04:21:20 pm
PATH/FILENAME: G:\Wwm\DATA\PA134 - CSO Group 1\3_DAT\c CDA\08 EXTP\Drawings\2008 AS-Built Drawings\42-2-2008 AS-Built Drawings\M-42-1-08.dgn



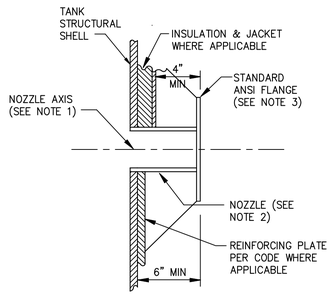
TYPE HC

(HALF COUPLING)



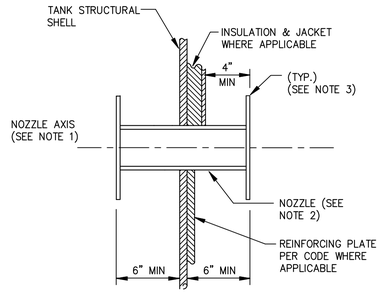
TYPE FC

(FULL COUPLING)



TYPE SF

(SINGLE FLANGED NOZZLE)



TYPE DF

(DOUBLE FLANGED NOZZLE)

EQMT. NO.	98T0801		SERVICE/ TYPE	STORAGE TANK	
CAPACITY GALLONS	6,600		LIQUID	SODIUM BISULFITE	
DIMENSIONS (FT–IN)	10' D X 13'–6" H		HEADS	TOP	DOMED (ANNULAR)
PRESSURE	ATMOSPHERIC			BOTTOM	FLAT
MATERIAL	FRP		COATINGS	INTERIOR	NONE
SUPPORTS	CONCRETE PAD			EXTERIOR	NONE
OTHER	HOLD–DOWN LUGS				

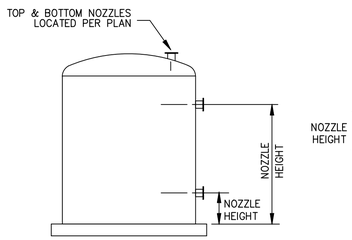
MARK	SIZE (IN) & TYPE	HEIGHT (FT–IN)	DISTANCE OR ANGLE	FUNCTION	REMARKS
A	2" SF	0'–0"	315°	OUTLET	
B	2" SF	TOP	180°/3'–0"	FILL	
C	3" SF		90°	OVERFLOW	
D	4" SF	TOP	CENTER	VENT	
E	6" SF	TOP	45°/3'–0"	SPARE	W/ BLIND FLANGE
F	6 " SF	TOP	325°/3'–0"	LEVEL PROBE	
G	24" MANWAY	3'–0"	270°	ACCESS	W/ COVER; SIDE ENTRY

EQMT. NO.	98T0701		SERVICE/ TYPE	STORAGE TANK	
CAPACITY GALLONS	6,600		LIQUID	SODIUM HYPOCHLORITE	
DIMENSIONS (FT–IN)	10' D X 13'–6" H		HEADS	TOP	DOMED (ANNULAR)
PRESSURE	ATMOSPHERIC			BOTTOM	FLAT
MATERIAL	FRP		COATINGS	INTERIOR	NONE
SUPPORTS	CONCRETE PAD			EXTERIOR	NONE
OTHER	HOLD–DOWN LUGS				

MARK	SIZE (IN) & TYPE	HEIGHT (FT–IN)	DISTANCE OR ANGLE	FUNCTION	REMARKS
A	2" SF	0'–0"	0°	OUTLET	
B	2" SF	TOP	180°/3'–0"	FILL	
C	3" SF		270°	OVERFLOW	
D	4" SF	TOP	CENTER	VENT	
E	6" SF	0'–6"	90°/3'–0"	SPARE	W/ BLIND FLANGE
F	6 " SF	TOP	270°/3'–0"	LEVEL PROBE	W/ BLIND FLANGE
G	24" MANWAY	3'–0"	325°	ACCESS	W/ COVER; SIDE ENTRY

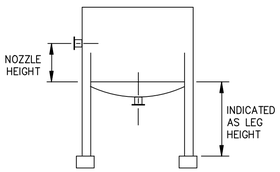
EQMT. NO.	98T0702		SERVICE/ TYPE	STORAGE TANK	
CAPACITY GALLONS	6,600		LIQUID	SODIUM HYPOCHLORITE	
DIMENSIONS (FT–IN)	10' D X 13'–6" H		HEADS	TOP	DOMED (ANNULAR)
PRESSURE	ATMOSPHERIC			BOTTOM	FLAT
MATERIAL	FRP		COATINGS	INTERIOR	NONE
SUPPORTS	CONCRETE PAD			EXTERIOR	NONE
OTHER	HOLD–DOWN LUGS				

MARK	SIZE (IN) & TYPE	HEIGHT (FT–IN)	DISTANCE OR ANGLE	FUNCTION	REMARKS
A	2" SF	0'–0"	0°	OUTLET	
B	2" SF	TOP	180°/3'–0"	FILL	
C	3" SF		90°	OVERFLOW	
D	4" SF	TOP	CENTER	VENT	
E	6" SF	0'–6"	270°/3'–0"	SPARE	W/ BLIND FLANGE
F	6 " SF	TOP	90°/3'–0"	LEVEL PROBE	W/ BLIND FLANGE
G	24" MANWAY	3'–0"	45°	ACCESS	W/ COVER; SIDE ENTRY



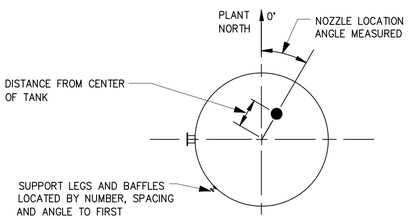
ELEVATION

(VERTICAL FLAT BOTTOM TANK)



ELEVATION

VERTICAL DISHED BOTTOM TANK



PLAN

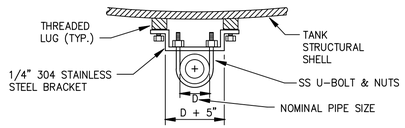
(VERTICAL TANK)

VERTICAL TANK

NOZZLE/ACCESSORY LOCATION KEY

SUPPORT CLIP

OPTION 2



SUPPORT CLIP

OPTION 1 (EXTERIOR ONLY)

NOTES:

1. ALIGN NOZZLE AXIS PERPENDICULAR TO TANK AXIS FOR SIDE SHELL NOZZLE AND PARALLEL TO TANK AXIS FOR HEAD NOZZLE.
2. NOZZLE PIPE SHALL BE OF SAME MATERIAL AS TANK SHELL. NOMINAL SIZE AS INDICATED, WITH WALL THICKNESS CONFORMING TO SPECIFIED CODE. PROVIDE CONICAL GUSSET ON ALL FRP TANKS.
3. BOLT HOLES SHALL STRADDLE FLANGE CENTERLINES PROVIDE 125 lb. FLAT FACE FLANGES ON FIBERGLASS AND THERMOPLASTIC TANKS UNLESS OTHERWISE INDICATED.
4. STAIRWAY, WALKWAY, LADDER, PLATFORM, ETC. LOCATED BY ANGLE TO CENTERLINE ON SCHEDULE.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1–2008	MF	SJ	AS–BUILT DRAWING

REVISIONS

City of Atlanta
Department of Watershed Management
Protecting Our Future

Metcalf & Eddy

SKING Associates, Inc. ENGINEERS · PLANNERS · MANAGERS

REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: A. BLANTON

DEPT. CHECK: V. KUREK

PROJ. CHECK: N. COOPER

SCALE: NOT TO SCALE

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

TANK SCHEDULES AND DETAILS

MECHANICAL

NOVEMBER 2004

JOB 036202040

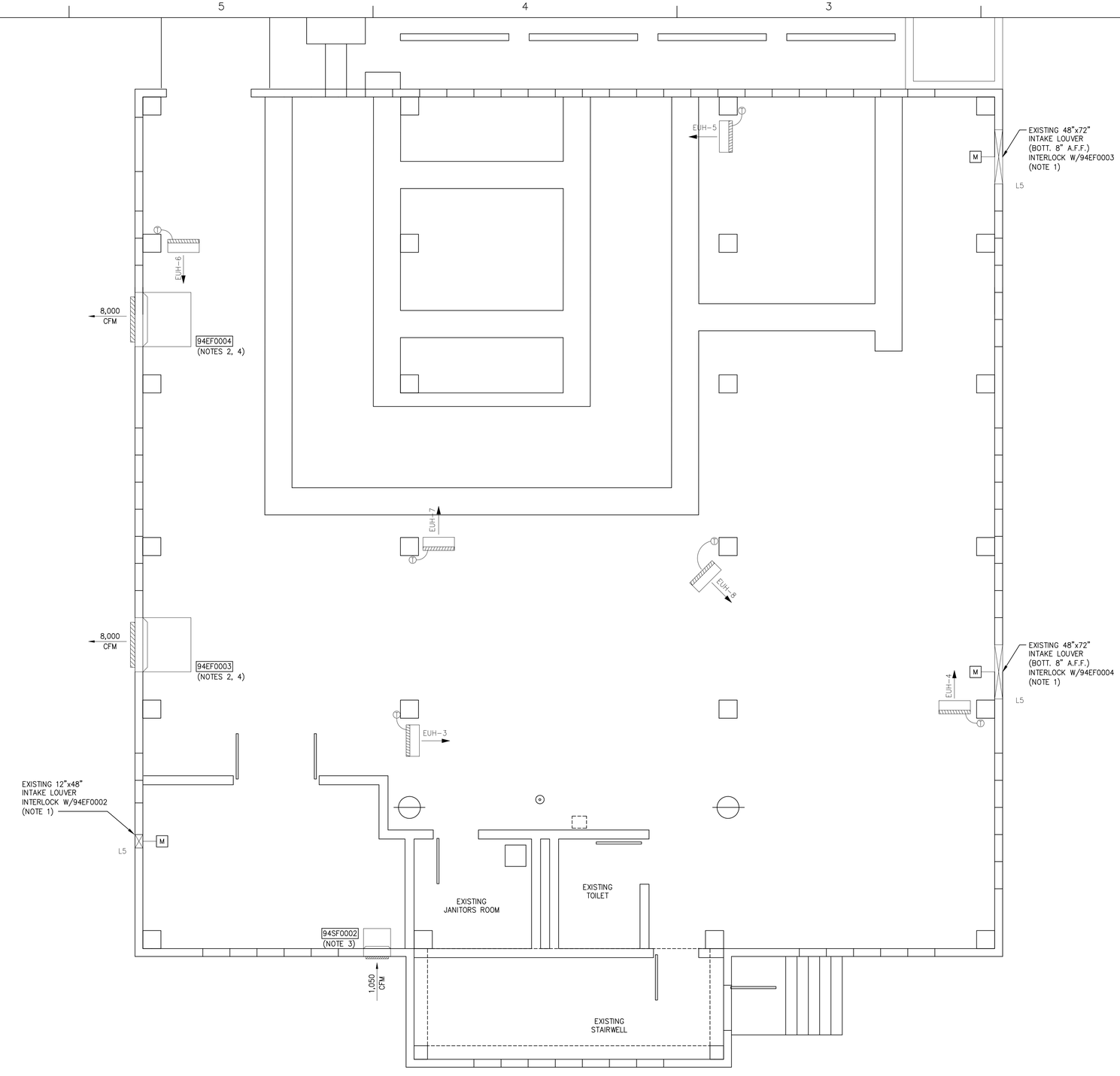
FILE NO.

CADD FILE MZETP047.dwg

SHEET M–47

PLOT DATE: July 31, 2014 @ 04:21:56 pm

PATH/FILENAME: G:\Wwm\GABPA134 - CSO Group 1\3_DATV Cor\08 EATP\Drawings\2008 ASBUILTS\2008ASBUILTMZETP047.dwg



N

PROJECT NORTH

NOTES

1. REPLACE EXISTING MOTORIZED LOUVER/DAMPER WITH NEW, INCLUDING ELECTRIC DRIVE MOTOR. MODIFY TO OBTAIN PROPER FIT. (3 PLACES)
2. REPLACE EXISTING EXHAUST FAN WITH NEW. REUSE EXISTING DISCHARGE LOUVER, MODIFY TO OBTAIN PROPER FIT. (2 PLACES)
3. REPLACE EXISTING EXHAUST FAN 94EF0002 WITH NEW. REUSE EXHAUST DUCT, MODIFY TO OBTAIN PROPER FIT. PROVIDE NEW WEATHER TIGHT SEAL BETWEEN DUCT AND BUILDING WALL PANEL.
4. REMOVE EXISTING DAMPER BLADES LEAVING EXISTING FIXED LOUVER BLADES INTACT. (2 PLACES)
5. RETERMINATE ALL EXISTING AND NEW WIRE AND CABLE INSTALLS TO MODIFIED AND NEW EQUIPMENT AS SHOWN.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: L. COWELL

DEPT. CHECK: R. BIRTWISTLE

PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

CHEMICAL FEED BUILDING MODIFICATIONS
FIRST FLOOR

HVAC

NOVEMBER 2004

JOB 036202040

FILE NO. _____

CADD FILE HZETP003.dwg

SHEET H-3

PLOT DATE: July 31, 2014 @ 05:40:41 pm

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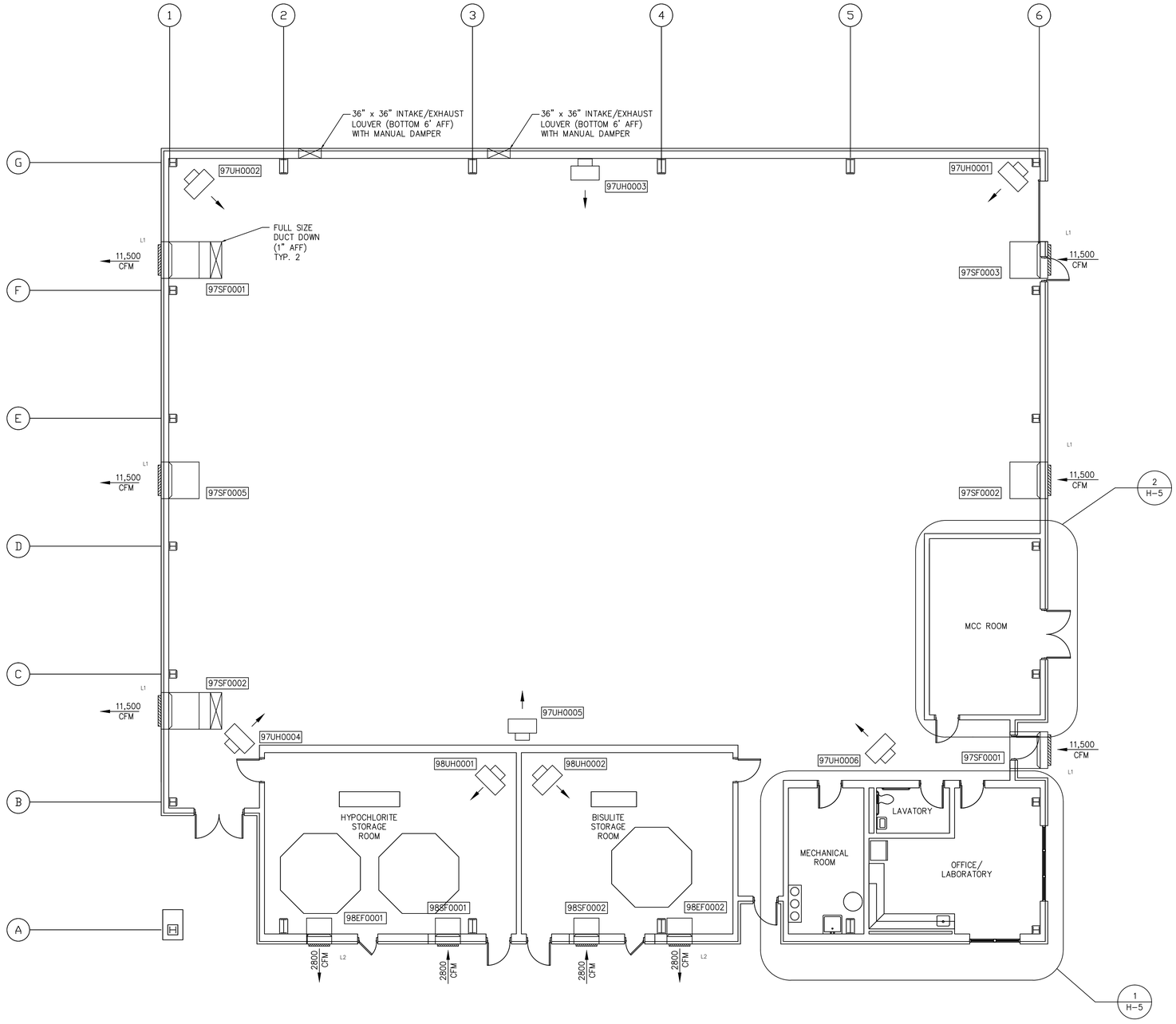

PROJECT NORTH

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

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Department of Watershed Management
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SKING & Associates, Inc. ENGINEERS PLANNERS MANAGERS

REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: L. COWELL

DEPT. CHECK: R. BIRTWISTLE

PROJ. CHECK: N. COOPER

SCALE: 1/8"=1'-0" (0 4 8 12 16 20 24 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING VENTILATION PLAN

HVAC

NOVEMBER 2004

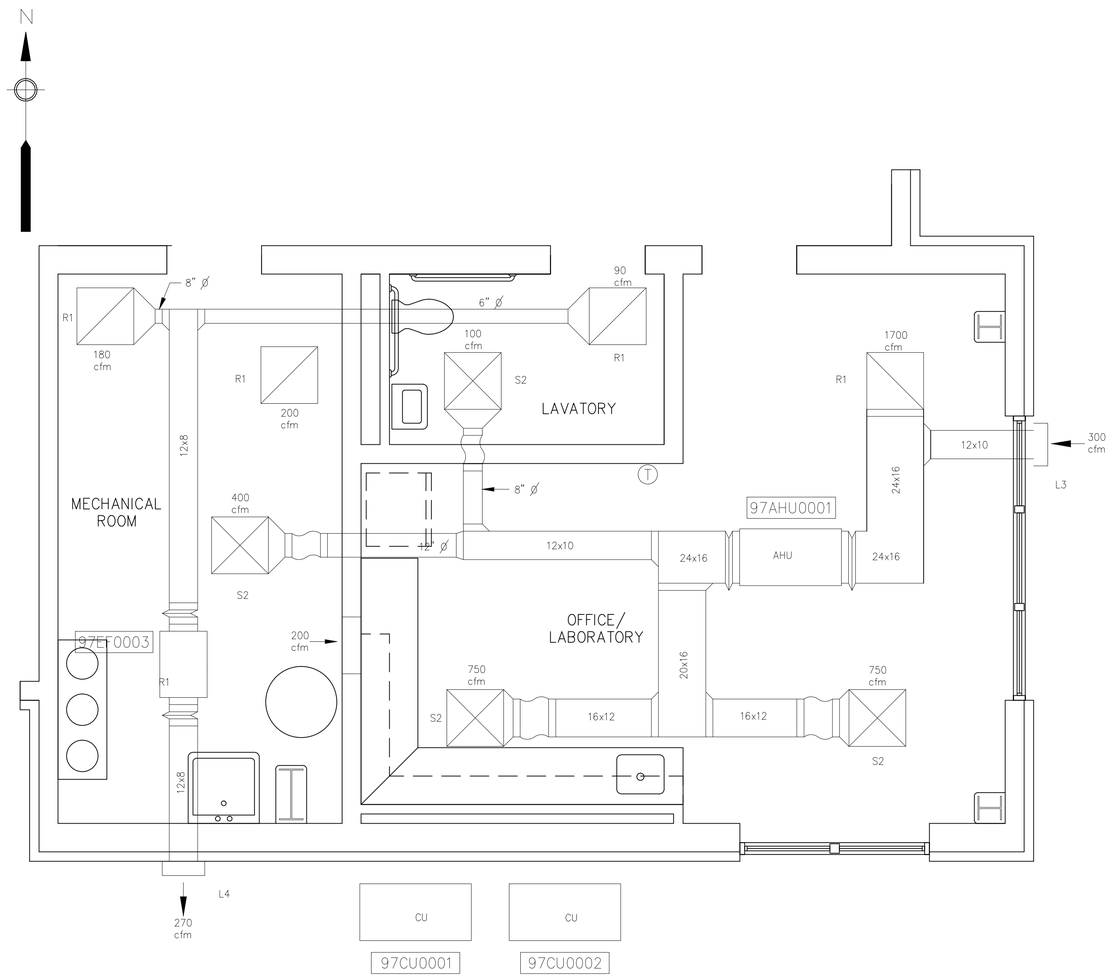
JOB 036202040

FILE NO.

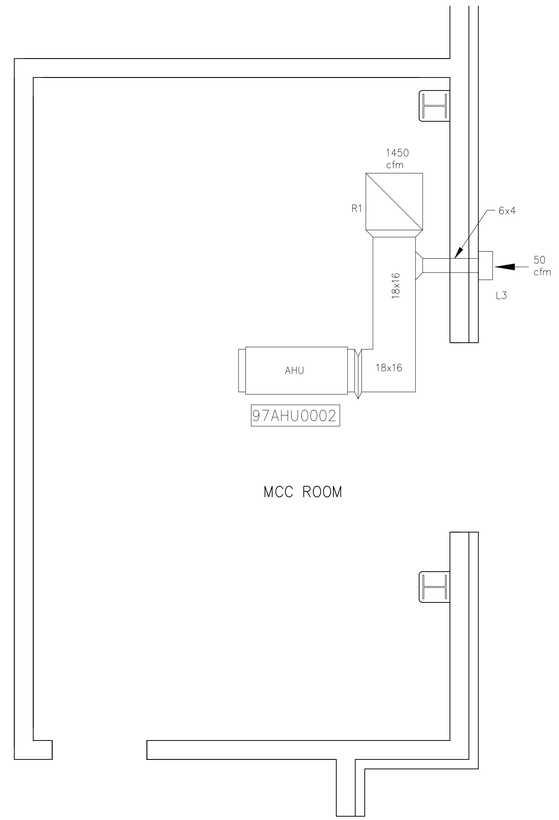
CADD FILE HZETP004.dwg

SHEET H-4

PATH/FILENAME: G:\Work\QA&PA134 - CSO Group 1\3_DATA\Drawings\2008 AS&S Drawings\HZETP004.dwg
PLOT DATE: July 31, 2014 @ 05:41:22 pm



ENLARGED PART PLAN 1 / H-4



ENLARGED PART PLAN 2 / H-4

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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SKING & Associates, Inc. ENGINEERS PLANNERS MANAGERS

REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: L. COWELL

DEPT. CHECK: R. BIRTWISTLE

PROJ. CHECK: N. COOPER

SCALE: 3/8"=1'-0" (0 2 4 6 8 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING
ENLARGED PLANS

HVAC

NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE HZETP005.dwg

SHEET H-5

PLOT DATE: July 31, 2014 @ 05:42:08 pm

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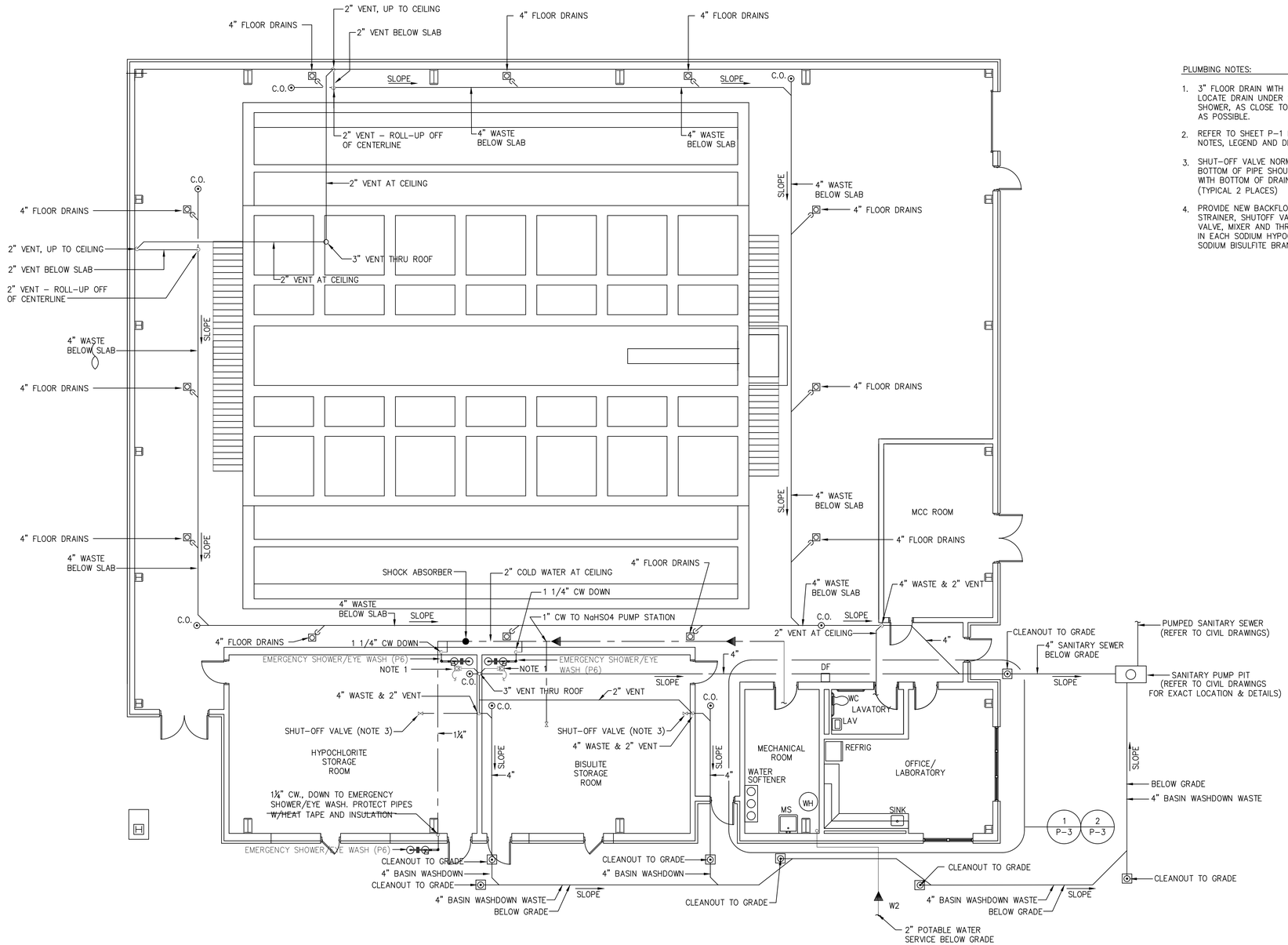

N

PROJECT NORTH

PLUMBING NOTES:

1. 3" FLOOR DRAIN WITH TRAP PRIMER. LOCATE DRAIN UNDER SAFETY SHOWER, AS CLOSE TO FIXTURE AS POSSIBLE.
2. REFER TO SHEET P–1 FOR PLUMBING NOTES, LEGEND AND DETAILS.
3. SHUT–OFF VALVE NORMALLY CLOSED. BOTTOM OF PIPE SHOULD BE FLUSH WITH BOTTOM OF DRAIN PIT. (TYPICAL 2 PLACES)
4. PROVIDE NEW BACKFLOW PREVENTER, STRAINER, SHUTOFF VALVE, SOLENOID VALVE, MIXER AND THROTTLING VALVE IN EACH SODIUM HYPOCHLORITE AND SODIUM BISULFITE BRANCH LINE.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1–2008	MF	SJ	AS–BUILT DRAWING

REVISIONS

City of Atlanta
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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: L. COWELL
DEPT. CHECK: R. WILHELM
PROJ. CHECK: N. COOPER

SCALE: 1/8"=1'–0" (0 4 8 12 16 20 24 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING
PLUMBING PLAN

PLUMBING

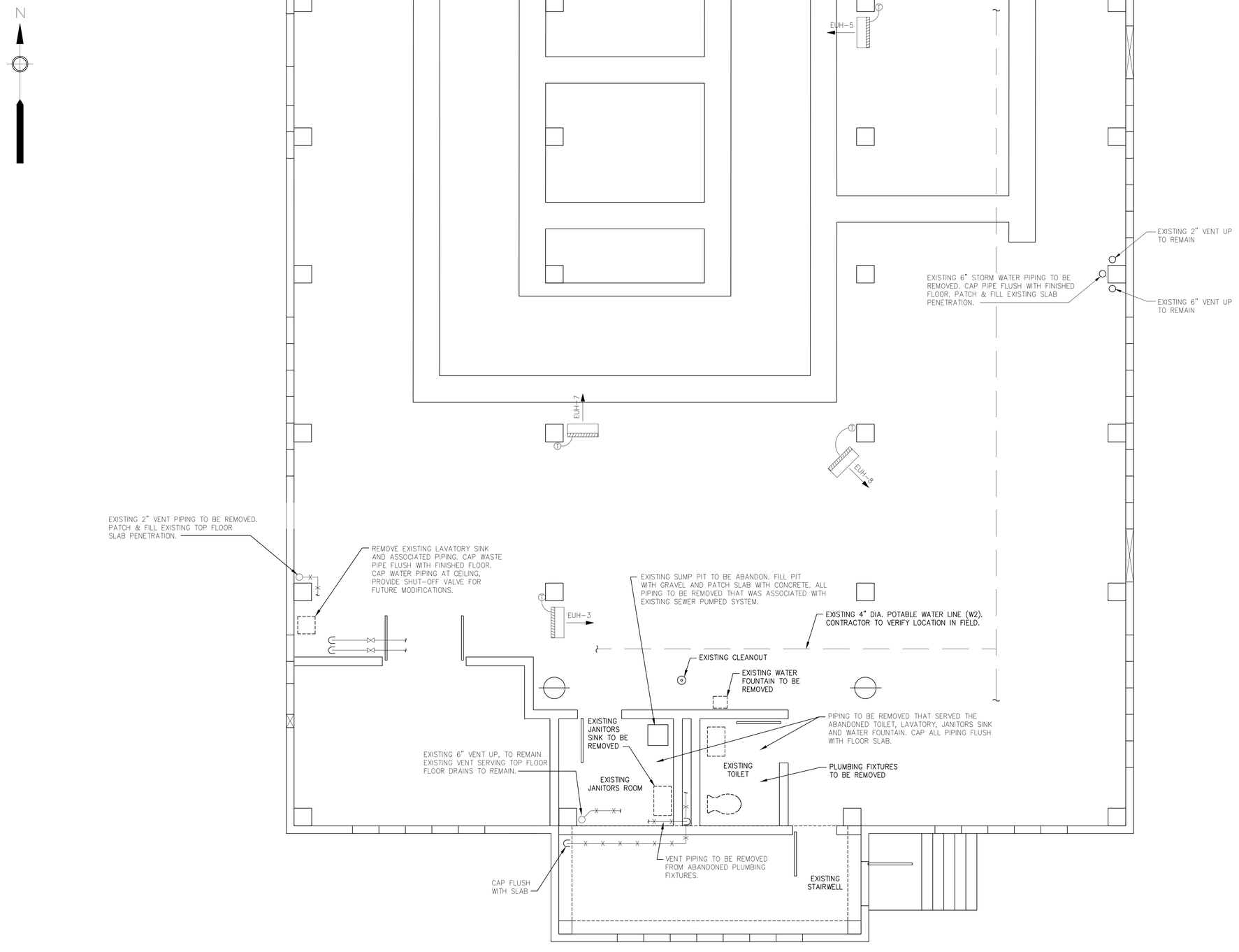
NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE PXETP002.dwg
SHEET P–2

PATH/FILENAME: G:\Work\GABPA134 – CSO Group 1\3_DATA\Cr CGA\08 EATP\Drawings\2008_CSG Group 1 Filter Building Layout\PXETP002.dwg
PLOT DATE: July 31, 2014 @ 05:48:50 pm

NOTES:

1. PROVIDE NEW 1" DIA. POTABLE WATER LINES FROM THE EXISTING MAIN 4" DIA. BLDG. POTABLE WATER (W2) SUPPLY LINE TO NEW FERRIC CHLORIDE SYSTEM AND POLYMER SYSTEM.
2. PROVIDE NEW BACKFLOW PREVENTER, STRAINER, SHUTOFF VALVE, SOLENOID VALVE, MIXER AND THROTTLING VALVE IN EACH FERRIC CHLORIDE AND POLYMER SUPPLY LINE.
3. REFER TO CHEMICAL SYSTEM P+ID SCHEMATIC DRAWINGS I-13 AND I-14 FOR EQUIPMENT ORIENTATION.



AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

City of Atlanta
Department of Watershed Management
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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: L. COWELL
DEPT. CHECK: R. WILHELM
PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

CHEMICAL FEED BUILDING MODIFICATIONS FIRST FLOOR

PLUMBING

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE PXETP005.dwg
SHEET P-5

PLOT DATE: July 31, 2014 @ 06:53:06 pm
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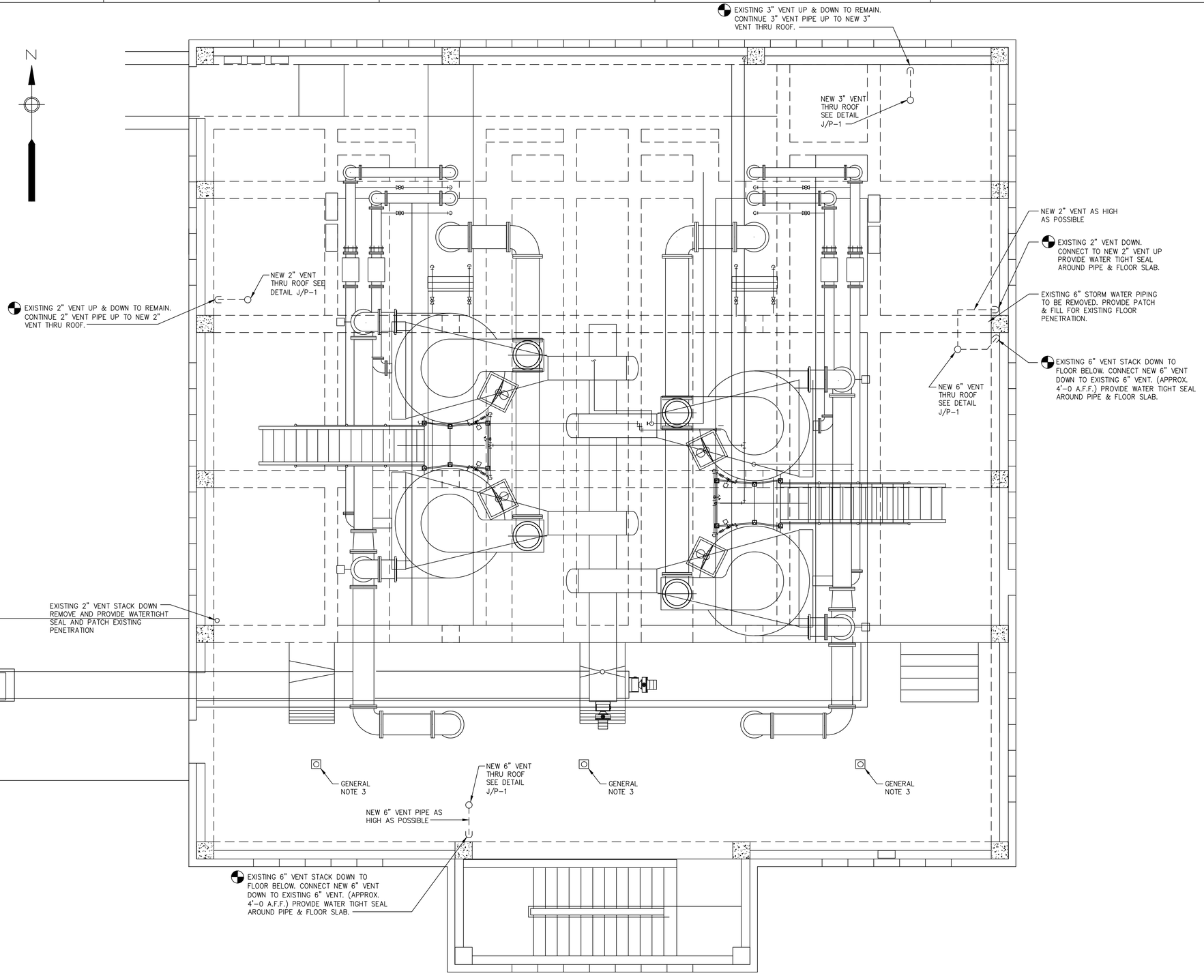

PLUMBING GENERAL NOTES:

CONNECT TO EXISTING

1) PROVIDE WATER TIGHT SEAL AROUND ALL PIPES PENETRATING TOP FLOOR SLAB.
2) PATCH & SEAL ALL EXISTING PIPE PENETRATION HOLES IN TOP FLOOR SLAB THAT REMAIN AFTER PIPE HAS BEEN REMOVED.
3) PROVIDE WATER TIGHT SEAL & PATCH AROUND ALL EXISTING FLOOR/AREA DRAINS REMAINING IN TOP FLOOR SLAB.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: A. SALAS
DEPT. CHECK: R. WILHELM
PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

CHEMICAL FEED BUILDING MODIFICATIONS SECOND FLOOR

PLUMBING — NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE PXETP006.dwg
SHEET P-6

PLOT DATE: July 31, 2014 @ 06:54:17 pm
PATH/FILENAME: G:\Wem\CAIPA134 - CSO Group 1\3_DAT\Ir COA\08 EXTP\Drawings\2008AS-Built\PXETP006.dwg

MEANINGS OF IDENTIFICATION LETTERS

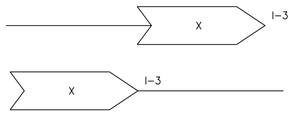
THIS TABLE APPLIES ONLY TO THE FUNCTIONAL IDENTIFICATION OF INSTRUMENTS

	FIRST LETTER		SUCCEEDING LETTERS		
	MEASURED OR INITIATING VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER
A	ANALYSIS	ANALOG	ALARM		
B	BURNER FLAME		USER'S CHOICE	CLOSE, STOP, OR DEC.	USER'S CHOICE
C	CONDUCTIVITY (ELECTRICAL)			CONTROL	
D	DENSITY (MASS) OR SPECIFIC GRAVITY	DIFFERENTIAL OR DIGITAL		OPEN, START OR INC.	
E	VOLTAGE (EMF)		PRIMARY ELEMENT		
F	FLOW RATE	RATIO (FRACTION)			FAIL
G	GATE		GLASS		
H	HAND (MANUALLY INITIATED)				HIGH OR OPENED
I	CURRENT (ELECTRICAL)		INDICATE OR INPUT		
J	POWER	SCAN			
K	TIME OR TIME SCHEDULE			CONTROL STATION	
L	LEVEL		LIGHT (PILOT)		LOW OR CLOSED
M	MOTOR, MOTION				MIDDLE OR INTERMEDIATE
N	USER'S CHOICE		USER'S CHOICE	USER'S CHOICE	ON OR OPERATE
O	POSITION		ORIFICE (RESTRICTION)		OVERLOAD
P	PRESSURE OR VACUUM		POINT (TEST CONNECTION)		
Q	QUANTITY OR EVENT	INTEGRATE OR TOTALIZE			
R	RADIOACTIVITY	RELIEF	RECORD OR PRINT		
S	SPEED OR FREQUENCY	SAFETY		SWITCH	
T	TEMPERATURE			TRANSMIT	
U	MULTIVARIABLE		MULTIFUNCTION	MULTIFUNCTION	MULTIFUNCTION
V	VALVE, DAMPER OR LOUVER			VALVE, DAMPER OR LOUVER	
W	WEIGHT OR FORCE		WELL		
X	UNCLASSIFIED		UNCLASSIFIED	UNCLASSIFIED	UNCLASSIFIED
Y	COMPUTER			RELAY OR COMPUTE	
Z	POSITION			DRIVE, ACTUATE OR UNCLASSIFIED FINAL CONTROL ELEMENT	

THE FOLLOWING DESIGNATIONS ARE USED TO BETTER IDENTIFY AN INSTRUMENT CONTROL FUNCTION

I/P	CURRENT TO PNEUMATIC CONVERTER	pH	HYDROGEN ION CONCENTRATION
E/I	VOLTAGE TO CURRENT CONVERTER	LCP	LOCAL CONTROL PANEL
I/I	CURRENT TO CURRENT CONVERTER	(I)	FURNISHED BY INSTRUMENTATION
DO	DISSOLVED OXYGEN	(M)	FURNISHED BY MECHANICAL
		(E)	FURNISHED BY ELECTRICAL
		(O)	FURNISHED BY OTHERS

INTERFACE SYMBOLS



X PROCESS CONTINUATION DESTINATION DESCRIPTION

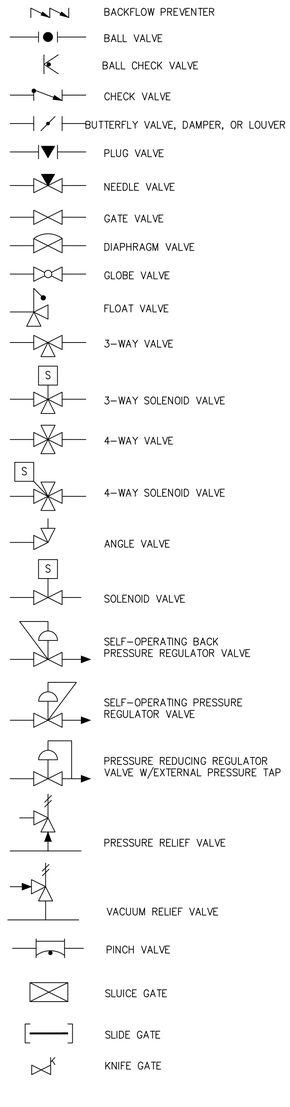
I–3 DESTINATION DRAWINGS NO.

X PROCESS CONTINUATION SOURCE DESCRIPTION

I–3 SOURCE DRAWING NO.

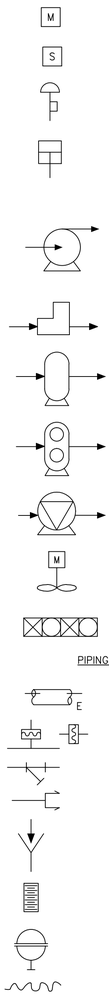
SYMBOLS

VALVES



BACKFLOW PREVENTER
BALL VALVE
BALL CHECK VALVE
CHECK VALVE
BUTTERFLY VALVE, DAMPER, OR LOUVER
PLUG VALVE
NEEDLE VALVE
GATE VALVE
DIAPHRAGM VALVE
GLOBE VALVE
FLOAT VALVE
3–WAY VALVE
3–WAY SOLENOID VALVE
4–WAY VALVE
4–WAY SOLENOID VALVE
ANGLE VALVE
SOLENOID VALVE
SELF–OPERATING BACK PRESSURE REGULATOR VALVE
SELF–OPERATING PRESSURE REGULATOR VALVE
PRESSURE REDUCING REGULATOR VALVE W/EXTERNAL PRESSURE TAP
PRESSURE RELIEF VALVE
VACUUM RELIEF VALVE
PINCH VALVE
SLUICE GATE
SLIDE GATE
KNIFE GATE

ACTUATORS



VALVES SHOWN WITHOUT ACTUATORS ARE MANUALLY OPERATED

MOTOR

SOLENOID

DIAPHRAGM ACTUATOR WITH POSITIONER

CYLINDER ACTUATOR

EQUIPMENT

CENTRIFUGAL PUMP OR BLOWER

METERING PUMP

POSITIVE DISPLACEMENT PUMP

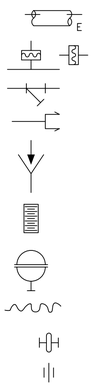
POSITIVE DISPLACEMENT BLOWER

HOSE PUMP

MIXER

STATIC MIXER

PIPING & ACCESSORIES



INSULATED AND ELECTRIC HEAT TRACED PIPING

CHEMICAL SEAL (INSTRUMENT/IN–LINE)

"Y" STRAINER

QUICK DISCONNECT

DRAIN

CALIBRATION STANDPIPE

PULSATION DAMPENER

FLEXIBLE HOSE

FLEXIBLE COUPLING

UNION

INSTRUMENTS

PROPELLER METER

FLOW RATE CONTROLLER

FLOW ELEMENT (VENTURI)

ORIFICE PLATE

MAGNETIC FLOWMETER

INSERT FLOW ELEMENT (VENTURI)

ROTAMETER

PARSHALL FLUME

WEIR

ACCOUSTIC OR ULTRASONIC SENSOR

INTERLOCK LOGIC

HYDRAULIC CONTROL LINES

ELECTRIC INSTRUMENT LINES/ANALOG

PNEUMATIC SIGNAL

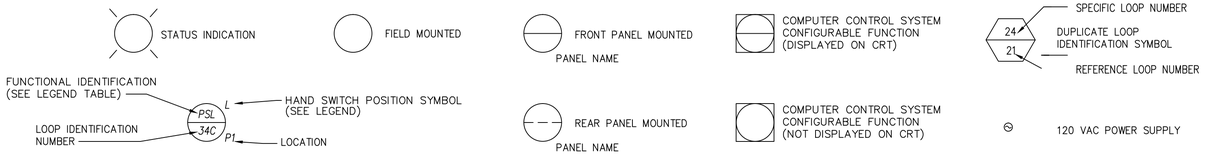
PROCESS FLOW

CAPILLARY TUBING

COMPUTER SIGNAL

DIGITAL SIGNAL

INSTRUMENT SYMBOLS



PIPING ABBREVIATIONS

BA	BACKWASH AIR
CMD	CHEMICAL DRAIN
CLS	CHLORINE SOLUTION
CPVC	CHLORINATED POLYVINYL CHLORIDE PIPE
CSO	CSO INFLUENT
CW	COLD WATER
D	DRAIN
DTO	DETRITUS TANK OVERFLOW
FCL	FERRIC CHLORIDE
FEFF	FINAL EFFLUENT
GR	GRIT
HYD	HYDRAULIC FLUID
HW	HOT WATER
NaOCL	SODIUM HYPOCHLORITE
NBS	SODIUM BISULFITE
OF	OVERFLOW
PD	PUMPED DRAINAGE
PS	PRESSURE SWITCH
POL	POLYMER
REC	RECIRCULATION
SAN	SANITARY SEWER
SBE	SEDIMENTATION BASIN EFFLUENT
SFW	SOFTENED WATER
SG	SIGHT GLASS
SL	SLUDGE
SW	SEAL WATER
VAC	VACUUM
W1	WATER (POTABLE)
W2	WATER (POTABLE–BACKFLOW PREVENTED)
W3	WATER (NON–POTABLE PLANT WATER)
WWW	WASTE WASHWATER

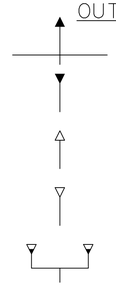
PIPE MATERIALS

CP	COPPER
DI	DUCTILE IRON
PE	POLYETHELENE
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE
SS	STAINLESS STEEL
STL	CARBON STEEL
TR	TROUGH

GENERAL NOTES

1. COMPONENTS AND PANELS SHOWN WITH A (◆) ARE SPECIFIED UNDER SECTION INSTRUMENTATION CONTROL AND MONITORING SYSTEM.
2. COMPONENTS AND PANELS SHOWN WITH A DOUBLE ASTERISK (**) ARE PART OF A PACKAGE SYSTEM; SEE EQUIPMENT SPECIFICATIONS.
3. THIS LEGEND IS PROJECT SPECIFIC. HOWEVER NOT ALL SYMBOLS MAY BE USED.

COMPUTER INPUT/ OUTPUT SYMBOLS



COMPUTER ANALOG INPUT

COMPUTER ANALOG OUTPUT

COMPUTER DISCRETE INPUT

COMPUTER DISCRETE OUTPUT

COMPUTER INCREMENTAL MODULATING OUTPUT

HAND SWITCH POSITION SYMBOLS

(UNLABELLED SWITCHES ARE TO BE ON–OFF)

A	AUTOMATIC
C	CLOSE
F	FAST OR FORWARD
H	HAND
J	JOG
L	LOCAL
M	MANUAL
O	OPEN OR OFF
R	REMOTE OR REVERSE
E/S	EMERGENCY STOP
S/S	START/STOP
S	SLOW OR START

THESE SYMBOLS MAY BE COMBINED TO INDICATE MULTIPLE POSITION SELECTOR SWITCHES. E.G. L/O/R IS A LOCAL/OFF/REMOTE SELECTOR SWITCH.

EQUIPMENT LETTER PREFIX

P	PUMP
FLT	FILTER
MX	AGITATOR/MIXER
VS	VORTEX SEPARATOR
T	TANK
B	BLOWER
CON	CONVEYOR/CLASSIFIER

PLANT AREA DESIGNATION

93	TUNNEL PUMPING STATION
94	CHEMICAL BUILDING
95	VORTEX SEPARATOR
96	GRIT SETTLING BASIN & SEDIMENTATION BASIN
97	HIGH RATE FILTER
98	POST TREATMENT CHEMICALS

AS-BUILT

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1	1–2008	MF	SJ	AS–BUILT DRAWING

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PROJ. CHECK: N. COOPER

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I&C LEGEND

INSTRUMENTATION

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE IZETP001.dwg
SHEET I–1

PLOT DATE: August 01, 2014 @ 02:20:51 pm
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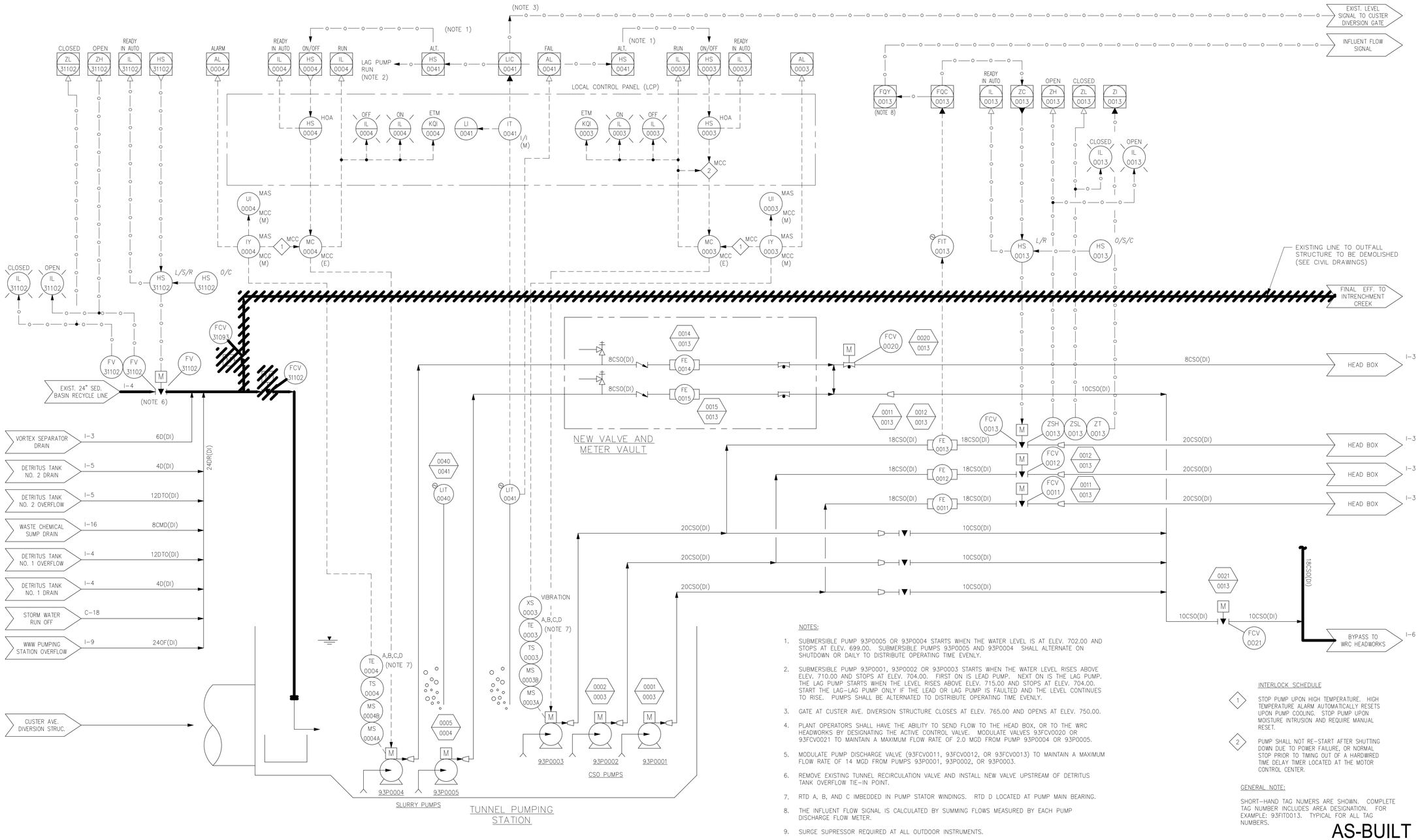

NOTES:

1. SUBMERSIBLE PUMP 93P0005 OR 93P0004 STARTS WHEN THE WATER LEVEL IS AT ELEV. 702.00 AND STOPS AT ELEV. 699.00. SUBMERSIBLE PUMPS 93P0005 AND 93P0004 SHALL ALTERNATE ON SHUTDOWN OR DAILY TO DISTRIBUTE OPERATING TIME EVENLY.
2. SUBMERSIBLE PUMP 93P0001, 93P0002 OR 93P0003 STARTS WHEN THE WATER LEVEL RISES ABOVE ELEV. 710.00 AND STOPS AT ELEV. 704.00. FIRST ON IS LEAD PUMP. NEXT ON IS THE LAG PUMP. THE LAG PUMP STARTS WHEN THE LEVEL RISES ABOVE ELEV. 715.00 AND STOPS AT ELEV. 704.00. START THE LAG–LAG PUMP ONLY IF THE LEAD OR LAG PUMP IS FAULTED AND THE LEVEL CONTINUES TO RISE. PUMPS SHALL BE ALTERNATED TO DISTRIBUTE OPERATING TIME EVENLY.
3. GATE AT CUSTER AVE. DIVERSION STRUCTURE CLOSES AT ELEV. 765.00 AND OPENS AT ELEV. 750.00.
4. PLANT OPERATORS SHALL HAVE THE ABILITY TO SEND FLOW TO THE HEAD BOX, OR TO THE WRC HEADWORKS BY DESIGNATING THE ACTIVE CONTROL VALVE. MODULATE VALVES 93FCV0020 OR 93FCV0021 TO MAINTAIN A MAXIMUM FLOW RATE OF 2.0 MGD FROM PUMP 93P0004 OR 93P0005.
5. MODULATE PUMP DISCHARGE VALVE (93FCV0011, 93FCV0012, OR 93FCV0013) TO MAINTAIN A MAXIMUM FLOW RATE OF 14 MGD FROM PUMPS 93P0001, 93P0002, OR 93P0003.
6. REMOVE EXISTING TUNNEL RECIRCULATION VALVE AND INSTALL NEW VALVE UPSTREAM OF DETRITUS TANK OVERFLOW TIE–IN POINT.
7. RTD A, B, AND C IMBEDDED IN PUMP STATOR WINDINGS. RTD D LOCATED AT PUMP MAIN BEARING.
8. THE INFLUENT FLOW SIGNAL IS CALCULATED BY SUMMING FLOWS MEASURED BY EACH PUMP DISCHARGE FLOW METER.
9. SURGE SUPRESSOR REQUIRED AT ALL OUTDOOR INSTRUMENTS.

INTERLOCK SCHEDULE

1. STOP PUMP UPON HIGH TEMPERATURE. HIGH TEMPERATURE ALARM AUTOMATICALLY RESETS UPON PUMP COOLING. STOP PUMP UPON MOISTURE INTRUSION AND REQUIRE MANUAL RESET.
2. PUMP SHALL NOT RE–START AFTER SHUTTING DOWN DUE TO POWER FAILURE, OR NORMAL STOP PRIOR TO TIMING OUT OF A HARDWIRED TIME DELAY TIMER LOCATED AT THE MOTOR CONTROL CENTER.

GENERAL NOTE:

SHORT–HAND TAG NUMERS ARE SHOWN. COMPLETE TAG NUMBER INCLUDES AREA DESIGNATION. FOR EXAMPLE: 93FIT0013. TYPICAL FOR ALL TAG NUMBERS.

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TUNNEL PUMPING STATION DEWATERING P&ID

INSTRUMENTATION NOVEMBER 2004

JOB	036202040
FILE NO.	
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SHEET	I–2

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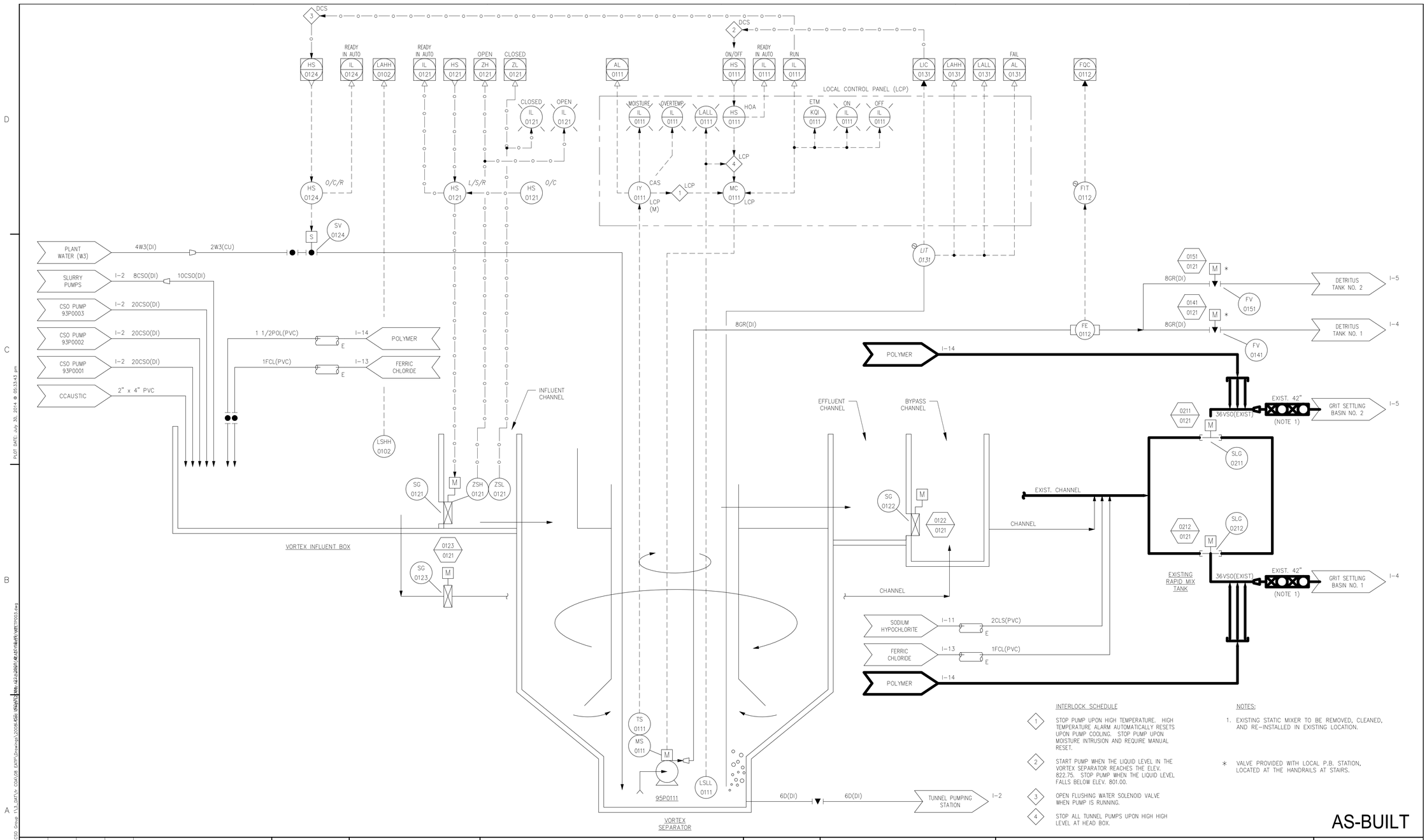

INTERLOCK SCHEDULE

1. STOP PUMP UPON HIGH TEMPERATURE. HIGH TEMPERATURE ALARM AUTOMATICALLY RESETS UPON PUMP COOLING. STOP PUMP UPON MOISTURE INTRUSION AND REQUIRE MANUAL RESET.
2. START PUMP WHEN THE LIQUID LEVEL IN THE VORTEX SEPARATOR REACHES THE ELEV. 822.75. STOP PUMP WHEN THE LIQUID LEVEL FALLS BELOW ELEV. 801.00.
3. OPEN FLUSHING WATER SOLENOID VALVE WHEN PUMP IS RUNNING.
4. STOP ALL TUNNEL PUMPS UPON HIGH HIGH LEVEL AT HEAD BOX.

NOTES:

1. EXISTING STATIC MIXER TO BE REMOVED, CLEANED, AND RE-INSTALLED IN EXISTING LOCATION.

* VALVE PROVIDED WITH LOCAL P.B. STATION, LOCATED AT THE HANDRAILS AT STAIRS.

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VORTEX SEPARATOR P&ID

INSTRUMENTATION

NOVEMBER 2004

JOB	036202040
FILE NO.	
CADD FILE	IZETP003.dwg
SHEET	I-3

PLOT DATE: July 30, 2014 @ 05:33:43 pm
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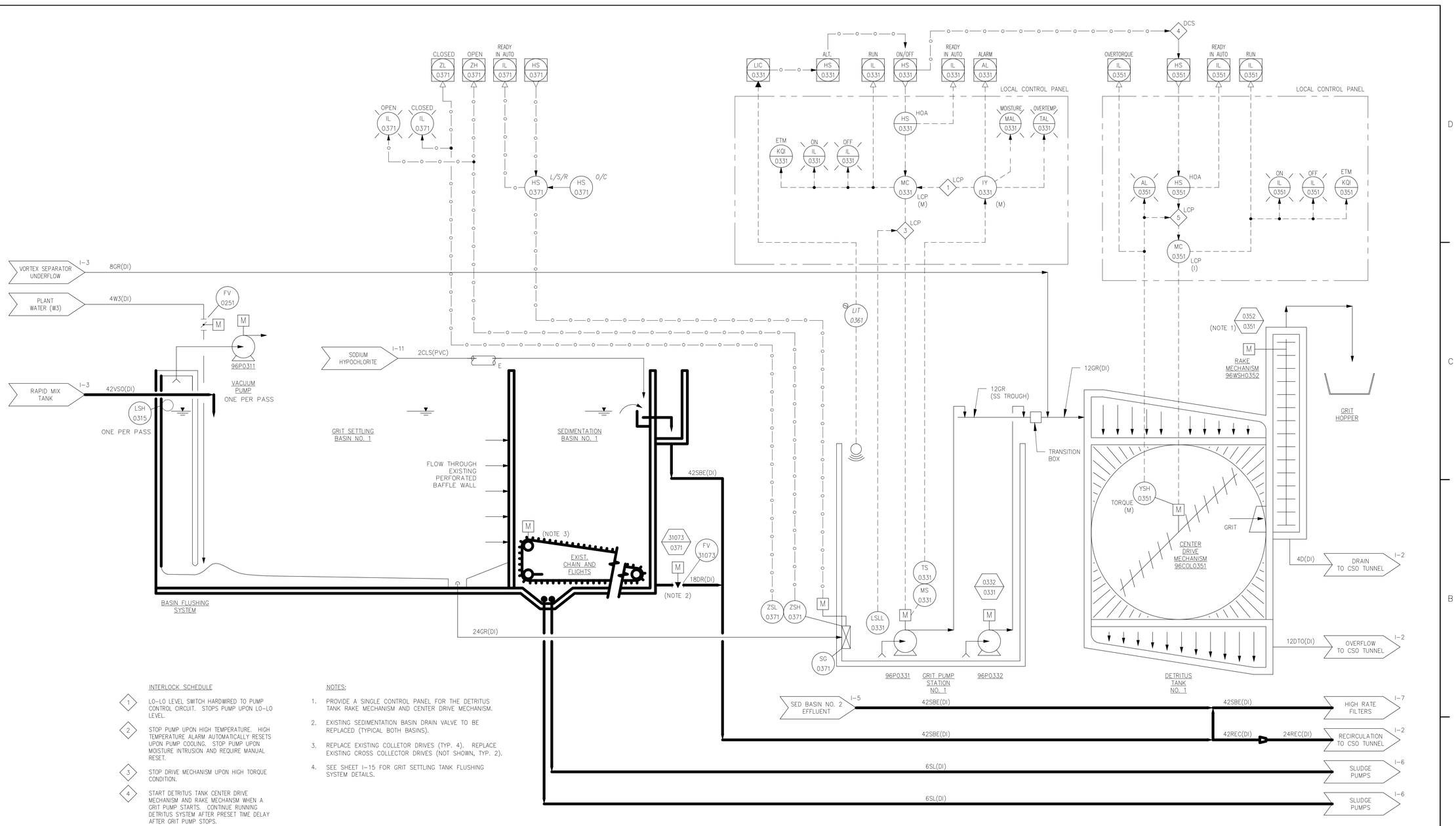

INTERLOCK SCHEDULE

1. LO-LO LEVEL SWITCH HARDWIRED TO PUMP CONTROL CIRCUIT. STOPS PUMP UPON LO-LO LEVEL.
2. STOP PUMP UPON HIGH TEMPERATURE. HIGH TEMPERATURE ALARM AUTOMATICALLY RESETS UPON PUMP COOLING. STOP PUMP UPON MOISTURE INTRUSION AND REQUIRE MANUAL RESET.
3. STOP DRIVE MECHANISM UPON HIGH TORQUE CONDITION.
4. START DETRITUS TANK CENTER DRIVE MECHANISM AND RAKE MECHANSM WHEN A GRIT PUMP STARTS. CONTINUE RUNNING DETRITUS SYSTEM AFTER PRESET TIME DELAY AFTER GRIT PUMP STOPS.

NOTES:

1. PROVIDE A SINGLE CONTROL PANEL FOR THE DETRITUS TANK RAKE MECHANISM AND CENTER DRIVE MECHANISM.
2. EXISTING SEDIMENTATION BASIN DRAIN VALVE TO BE REPLACED (TYPICAL BOTH BASINS).
3. REPLACE EXISTING COLLETOR DRIVES (TYP. 4). REPLACE EXISTING CROSS COLLECTOR DRIVES (NOT SHOWN, TYP. 2).
4. SEE SHEET I-15 FOR GRIT SETTLING TANK FLUSHING SYSTEM DETAILS.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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PROJ. CHECK N. COOPER

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GRIT SETTLING BASIN 1 P&ID

INSTRUMENTATION NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE IZETP004.dwg

SHEET I-4

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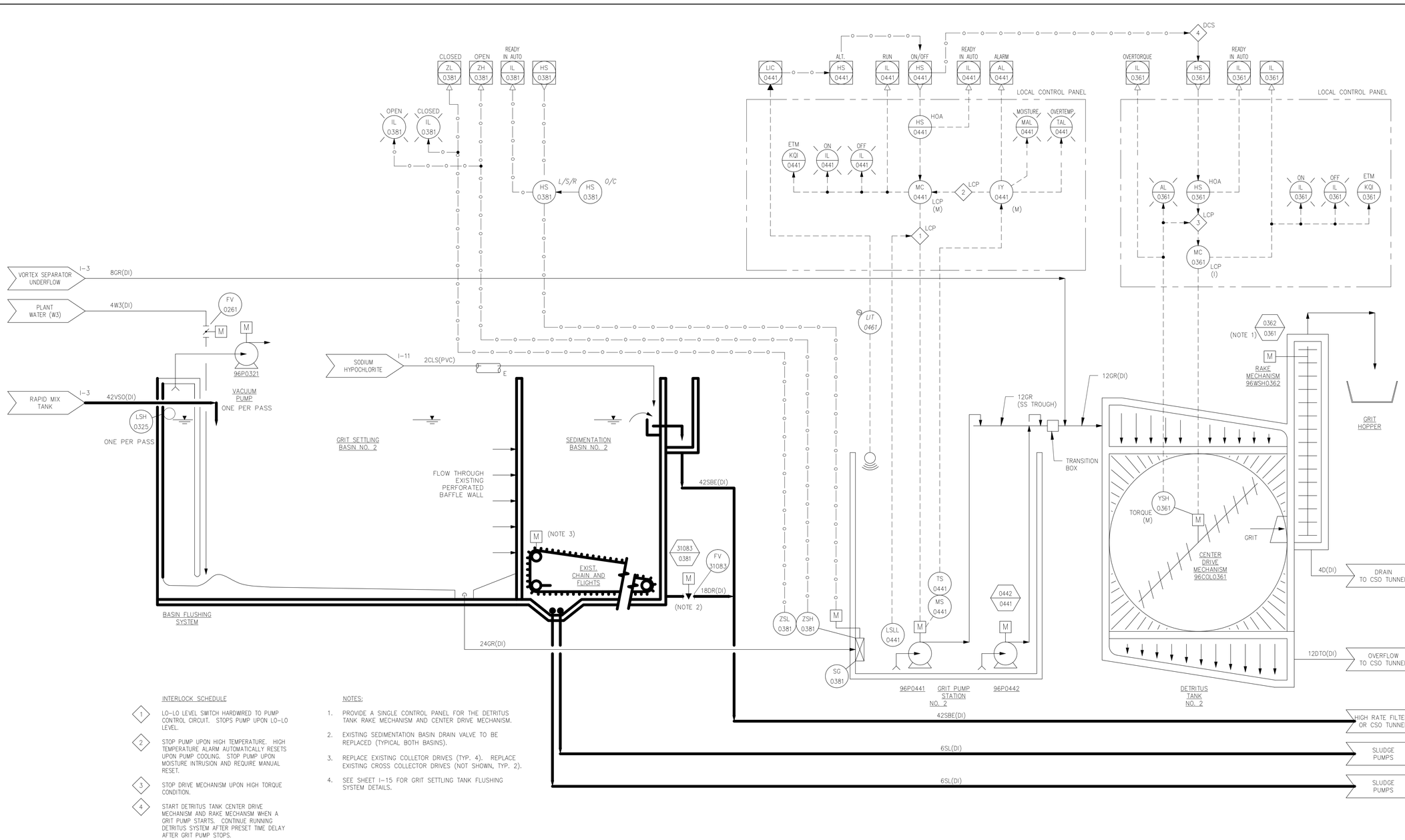

INTERLOCK SCHEDULE

1. LO-LO LEVEL SWITCH HARDWIRED TO PUMP CONTROL CIRCUIT. STOPS PUMP UPON LO-LO LEVEL.
2. STOP PUMP UPON HIGH TEMPERATURE. HIGH TEMPERATURE ALARM AUTOMATICALLY RESETS UPON PUMP COOLING. STOP PUMP UPON MOISTURE INTRUSION AND REQUIRE MANUAL RESET.
3. STOP DRIVE MECHANISM UPON HIGH TORQUE CONDITION.
4. START DETRITUS TANK CENTER DRIVE MECHANISM AND RAKE MECHANSM WHEN A GRIT PUMP STARTS. CONTINUE RUNNING DETRITUS SYSTEM AFTER PRESET TIME DELAY AFTER GRIT PUMP STOPS.

NOTES:

1. PROVIDE A SINGLE CONTROL PANEL FOR THE DETRITUS TANK RAKE MECHANISM AND CENTER DRIVE MECHANISM.
2. EXISTING SEDIMENTATION BASIN DRAIN VALVE TO BE REPLACED (TYPICAL BOTH BASINS).
3. REPLACE EXISTING COLLETOR DRIVES (TYP. 4). REPLACE EXISTING CROSS COLLECTOR DRIVES (NOT SHOWN, TYP. 2).
4. SEE SHEET I-15 FOR GRIT SETTLING TANK FLUSHING SYSTEM DETAILS.

AS-BUILT

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PROJ. CHECK: N. COOPER

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GRIT SETTLING
BASIN 2 P&ID

INSTRUMENTATION NOVEMBER 2004

JOB 036202040
FILE NO.
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SHEET I-5

PLOT DATE: July 30, 2014 @ 05:35:15 pm
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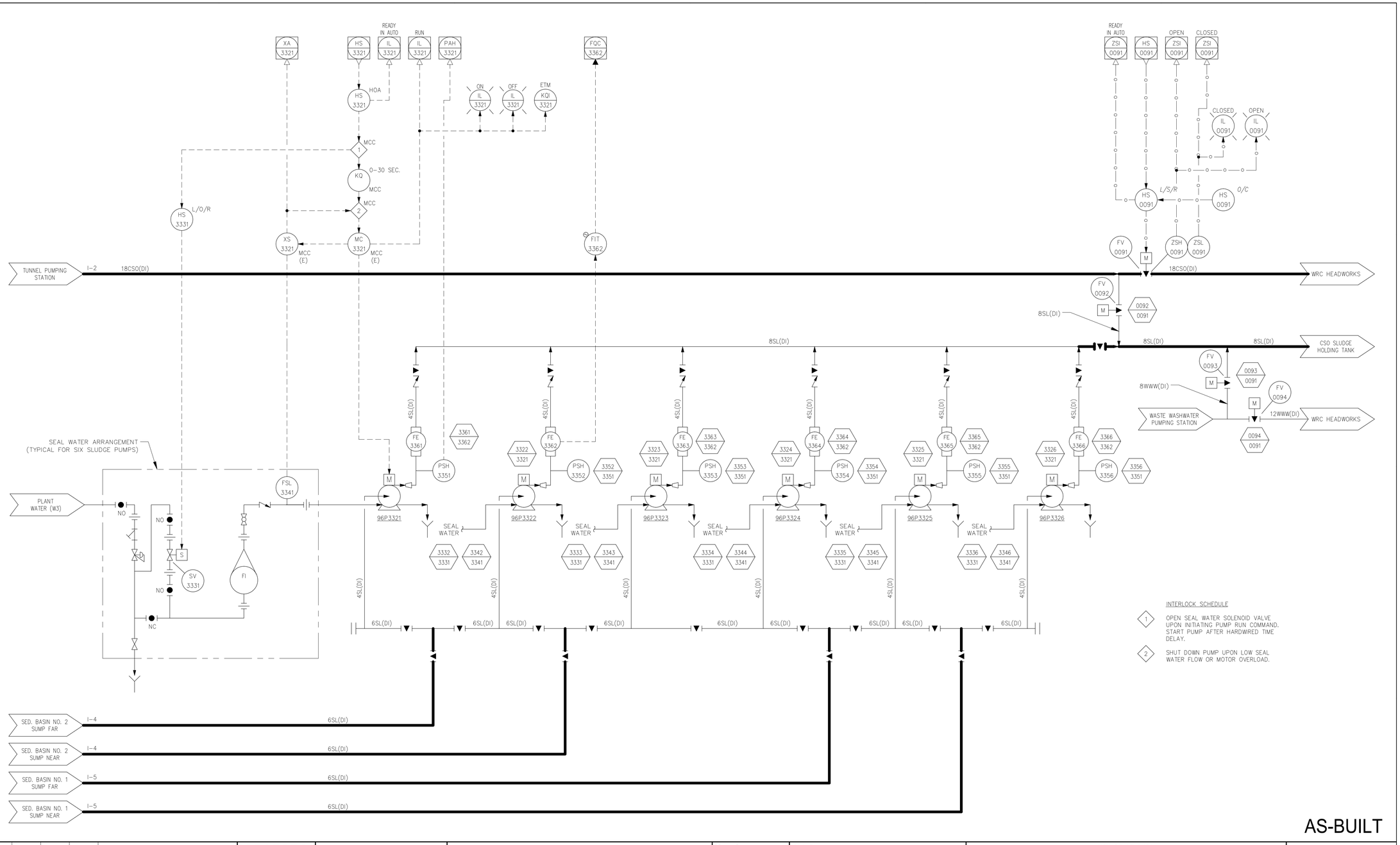

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NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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SLUDGE PUMPING P&ID

INSTRUMENTATION NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE IZETP006.dwg

SHEET I-6

PLOT DATE: July 30, 2014 @ 05:35:54 pm

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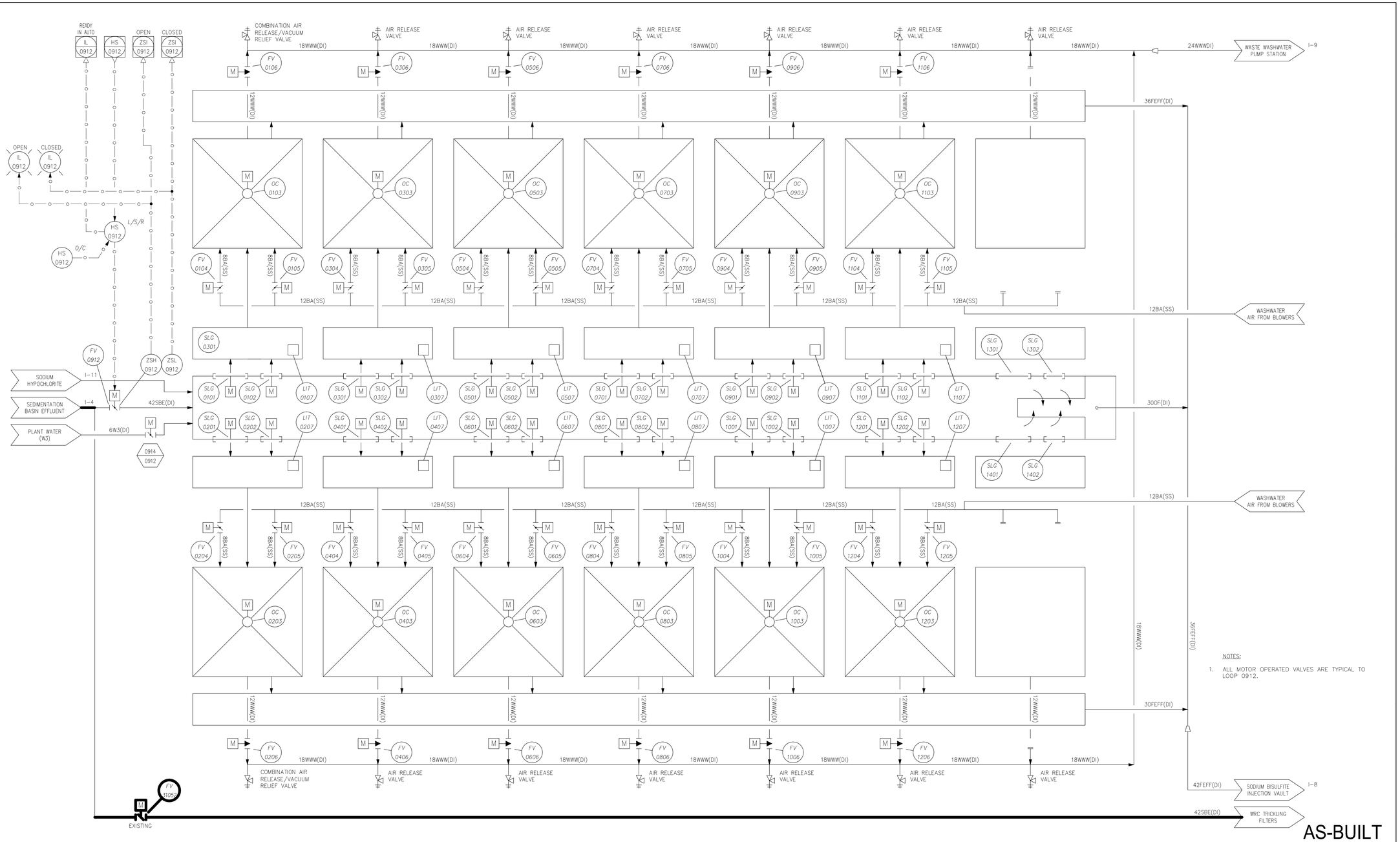

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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FILTER SYSTEM P&ID

INSTRUMENTATION — NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE IZETP007.dwg
SHEET I-7

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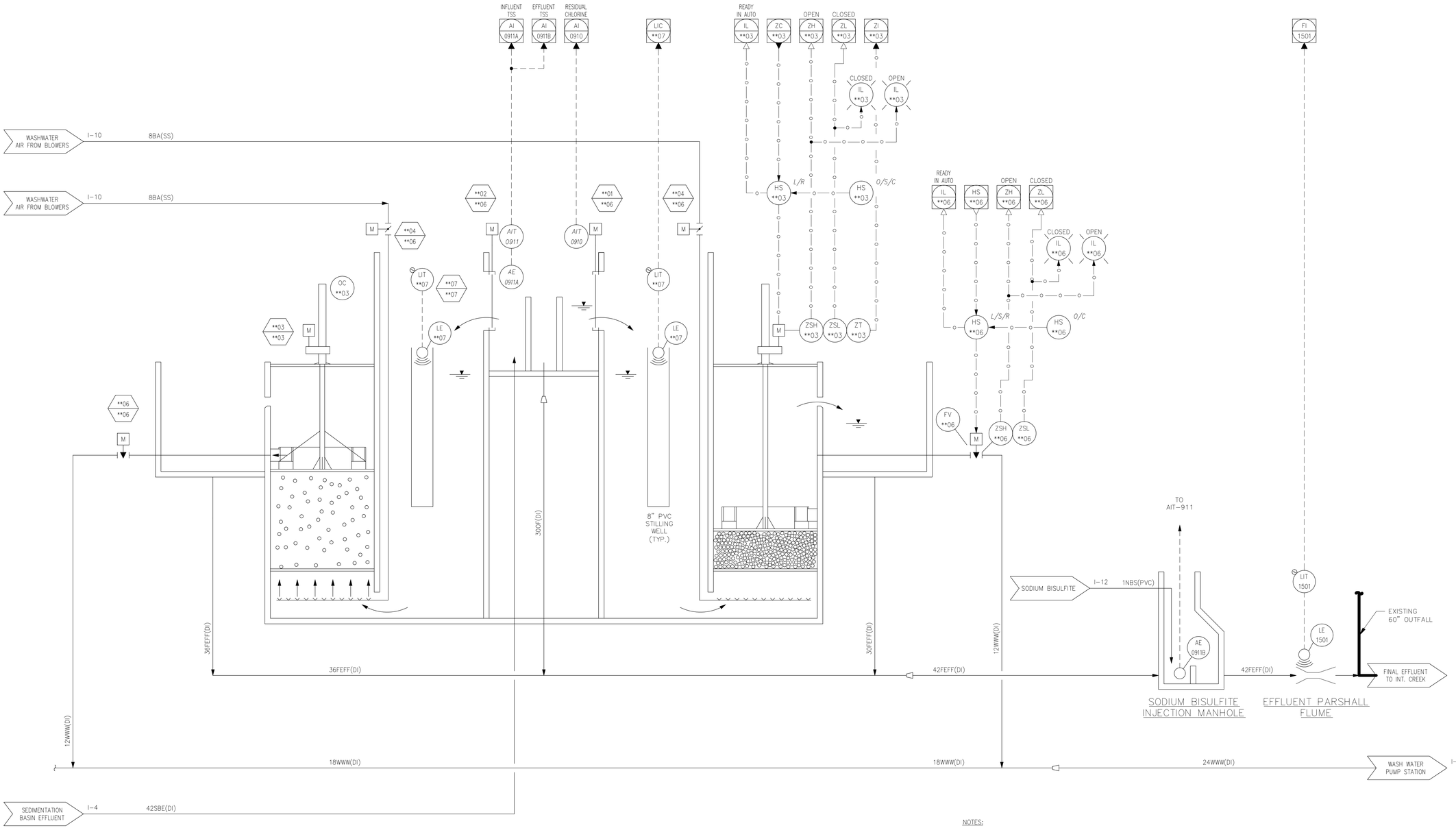

NOTES:

1. TYPICAL FILTER LOOP NUMBERS: ** IS FILTER NUMBER (01 THROUGH 14).

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
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TYPICAL FILTER P&ID

INSTRUMENTATION NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE IZETP008.dwg

SHEET I-8

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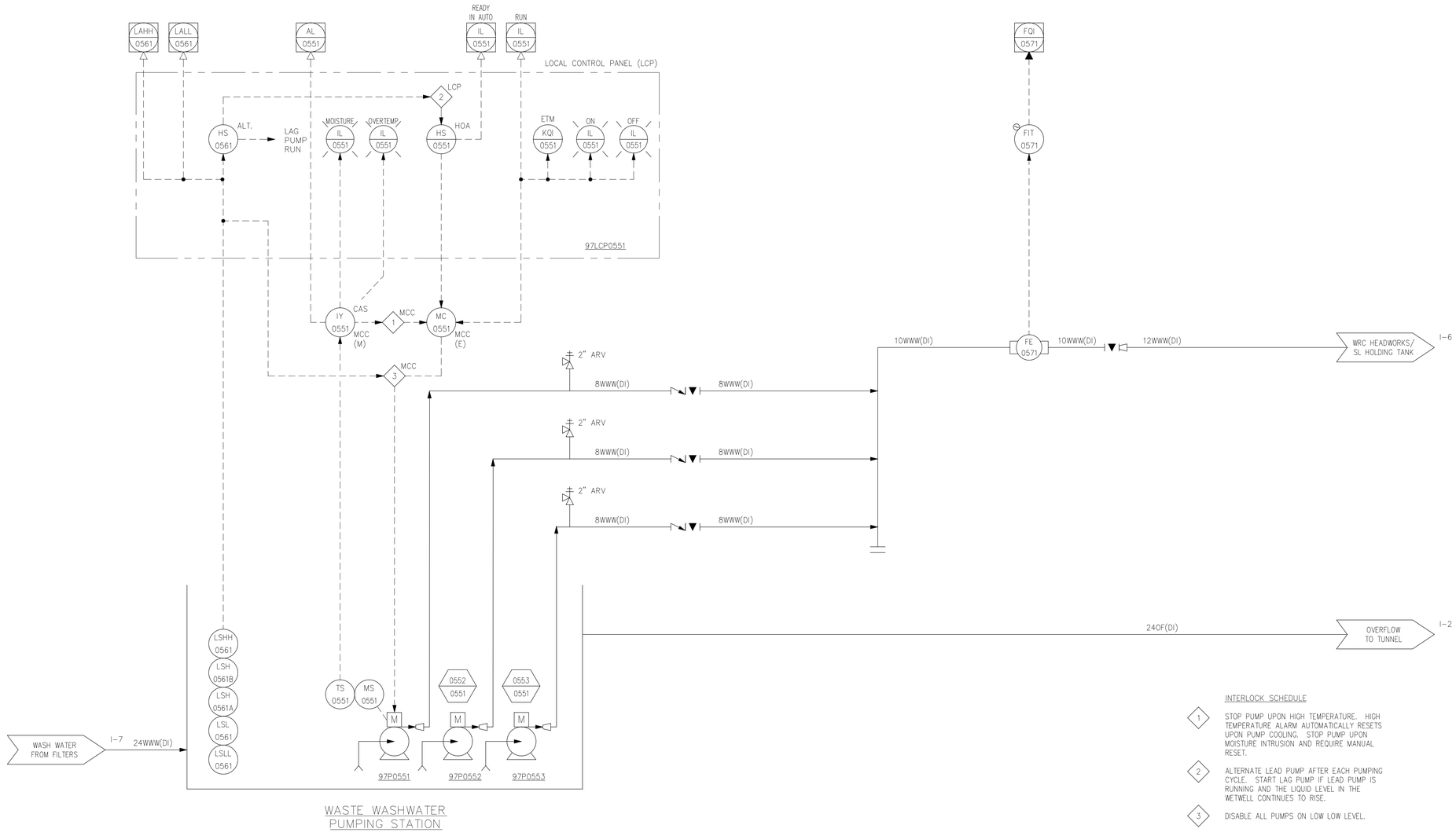

INTERLOCK SCHEDULE

1. STOP PUMP UPON HIGH TEMPERATURE. HIGH TEMPERATURE ALARM AUTOMATICALLY RESETS UPON PUMP COOLING. STOP PUMP UPON MOISTURE INTRUSION AND REQUIRE MANUAL RESET.
2. ALTERNATE LEAD PUMP AFTER EACH PUMPING CYCLE. START LAG PUMP IF LEAD PUMP IS RUNNING AND THE LIQUID LEVEL IN THE WETWELL CONTINUES TO RISE.
3. DISABLE ALL PUMPS ON LOW LOW LEVEL.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

WASTE WASHWATER PUMPING STATION P&ID

INSTRUMENTATION

NOVEMBER 2004

JOB 03620204
FILE NO.
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SHEET I-9

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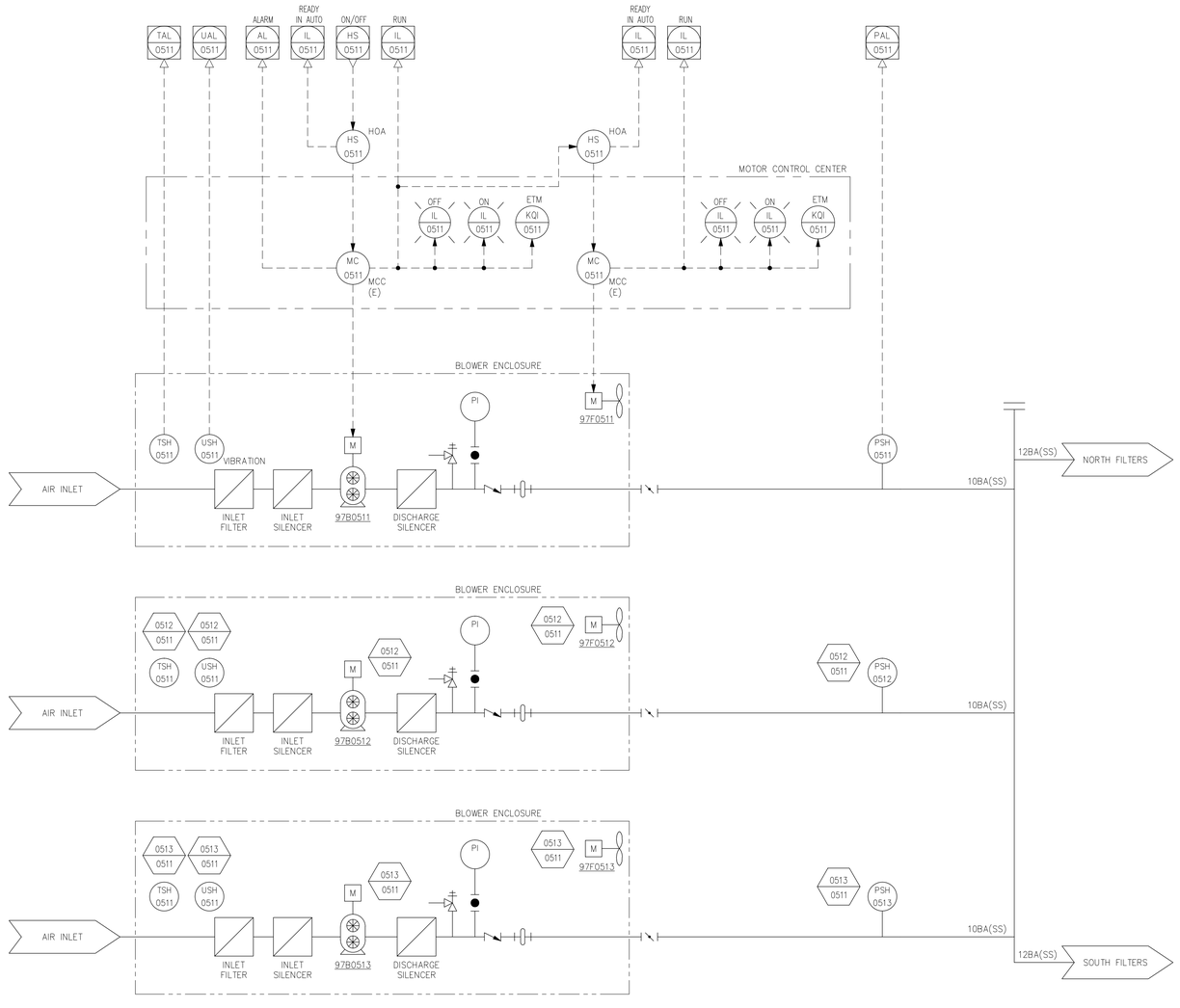

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NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

WASTE WASHWATER BLOWERS P&ID

INSTRUMENTATION

NOVEMBER 2004

JOB 03620240
FILE NO.
CADD FILE IZETP010.dwg
SHEET I-10

PLOT DATE: July 30, 2014 @ 05:40:37 pm
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INFLUENT FLOW SIGNAL

HS 0742 — READY IN AUTO IL 0742

DCS 5

HS 0742 — O/C/A

SI 0711 — RIA IL 0711 — FAULT XA 0711 — HS 0711 — FFY 0711 RATIO 0-60 MIN. AVG. — FIC 0711 — RUN IL 0711

DCS 2

LOCAL CONTROL PANEL

HOSE FAILURE AL 0711 — HS 0711 H/O/A — ON LI 0711 — OFF LI 0711

SI 0711 — XS 0711 — SC 0711 VFD — HS 0711 A/M SPEED

LCP 1

LCP 4

98LCP0711

INTERLOCK SCHEDULE:

1. STOP PUMP UPON HIGH PRESSURE
2. STOP BISULFITE PUMP UPON SHUT DOWN OF SODIUM HYPOCHLORITE PUMP
3. OPEN SOLENOID VALVE ON LEAD TANK PRIOR TO SODIUM HYPOCHLORITE PUMP CALL TO RUN
4. STOP PUMP UPON HOSE FAILURE.
5. OPEN SOFTENED WATER SUPPLY SOLENOID VALVE WHEN SODIUM HYPOCHLORITE PUMP IS RUNNING. CLOSE SOLENOID VALVE AFTER PRESET TIME DELAY AFTER PUMP IS STOPPED TO FLUSH THE CHEMICAL LINES.

POTABLE WATER (W2) — 1-1/2W2(CU) — WATER SOFTENER — 1-1/2SFW(CU) — S — FO — FI — PI — 1-1/2SFW(PVC) — BACKFLOW PREVENTER — 1-1/SFW(PVC)

ROTAMETER PANEL

2CLS(PVC) — FI — 2CLS(PVC) — FILTER INFLUENT CHANNEL — I-7

2CLS(PVC) — FI — 2CLS(PVC) — E — RAPID MIX TANK — I-3

2CLS(PVC) — FI — 2CLS(PVC) — E — SEDIMENTATION BASIN NO. 1 — I-4

2CLS(PVC) — FI — 2CLS(PVC) — E — SEDIMENTATION BASIN NO. 2 — I-5

1NaOCl(PVC)

VENT TO OUTDOORS

4V(PVC)

4V(PVC)

2NaOCl(PVC)

2NaOCl(PVC)

2NaOCl(PVC)

LAH 0701 — LI 0701

LSH 0701 — LE 0701 — VENT — OVERFLOW — 2NaOCl(PVC) — LIT 0701 — 0701 0702 — S — SV 0701 — FC — DRAIN — 98T0701

LSH 0702 — LE 0702 — VENT — OVERFLOW — 2NaOCl(PVC) — DRAIN — 98T0702

LAH 0701 — LI 0701 — IT 0701 I/I

FILL STATION PANEL 98FP0701 — 0701 0702

TRUCK QUICK DISCONNECT (TYP.)

HS 0702 — READY IN AUTO IL 0702

DCS 3

LIT 0701 — HS 0702 O/C/A

S — SV 0702 — FC — 2NaOCl(PVC) — STRAINER

2NaOCl(PVC)

CALIBRATION STANDPIPE — 2NaOCl(PVC)

SUCTION PULSATION ACCUMULATOR — M — 98P0711 — LSH 0711

PULSATION DAMPENER — PSH 0711 — PI — 1NaOCl(PVC)

0712 0711 — M — 98P0712 — LSH 0712 — PSH 0711 — PI — 1NaOCl(PVC)

NOTES:

1. SEE SHEET I-16 FOR FILL STATION DETAILS.

LAH 0750 — LSH 0750 — K — CONTAINMENT SUMP — TO SANITARY PUMP STATION

CONTAINMENT AREA

AS-BUILT

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

SODIUM HYPOCHLORITE SYSTEM P&ID

INSTRUMENTATION

NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE IZETP011.dwg

SHEET I-11

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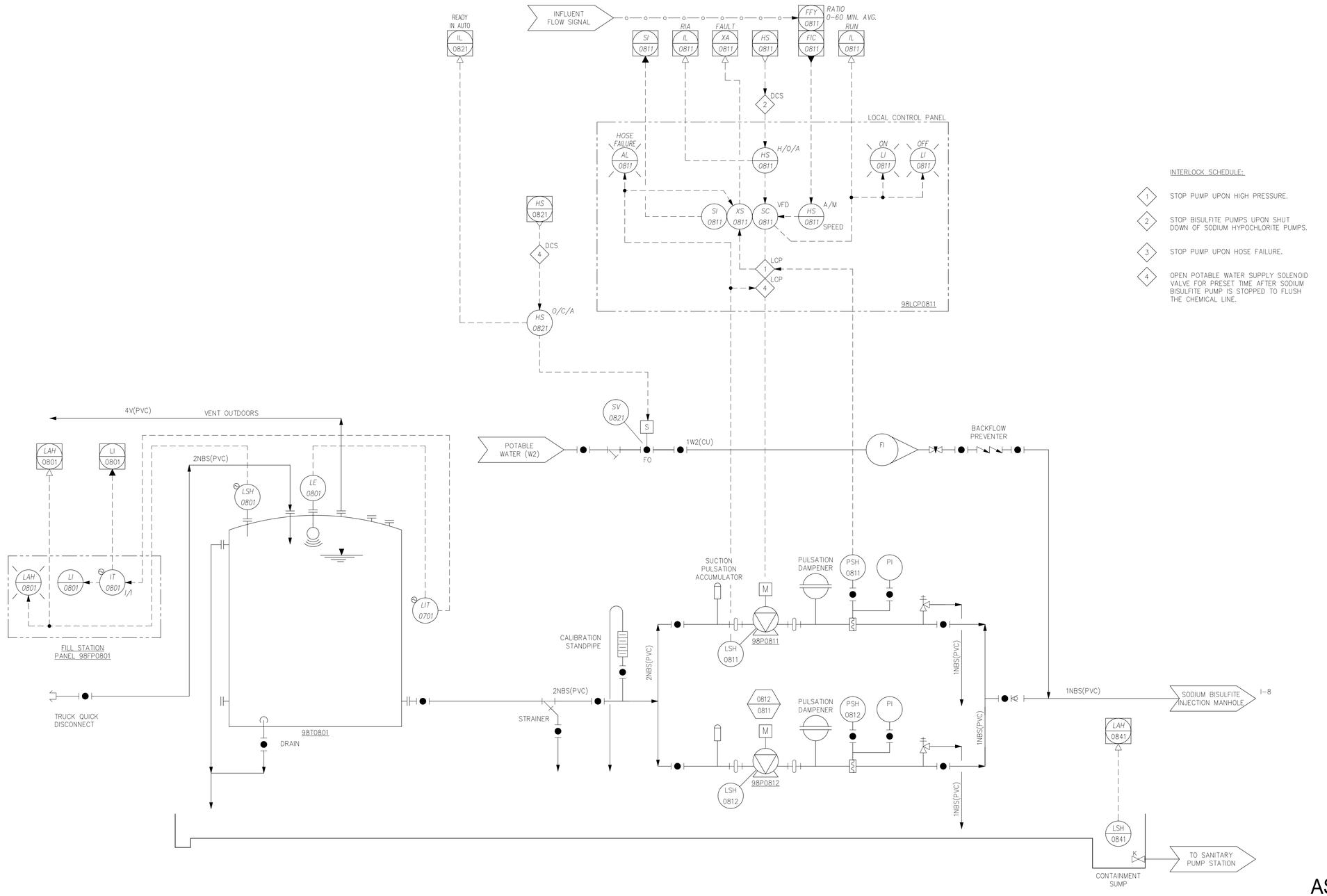

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INTRENCHMENT CREEK CSO TREATMENT PLANT

SODIUM BISULFITE SYSTEM P&ID

INSTRUMENTATION

NOVEMBER 2004

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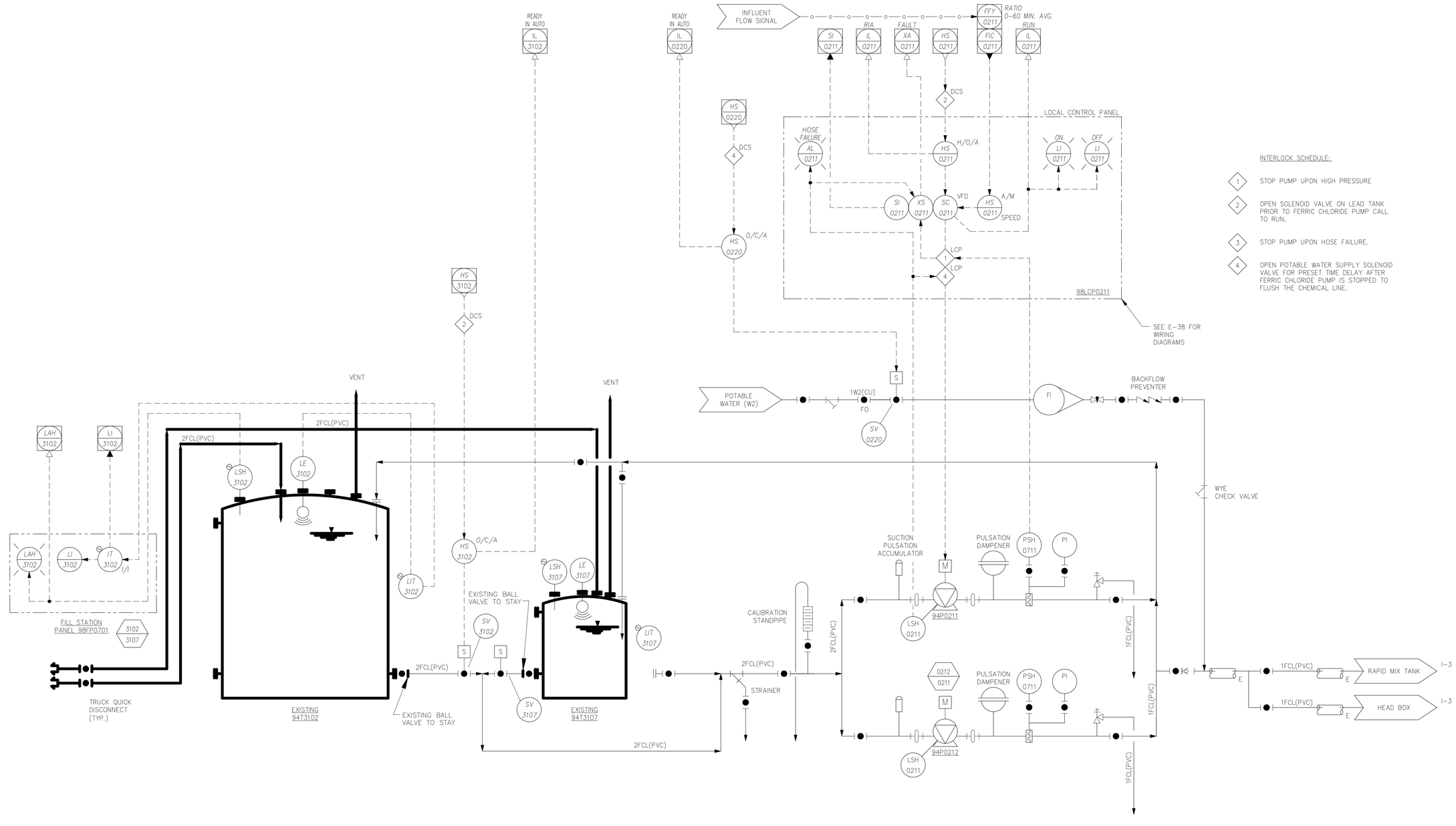

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FERRIC CHLORIDE SYSTEM P&ID

INSTRUMENTATION NOVEMBER 2004

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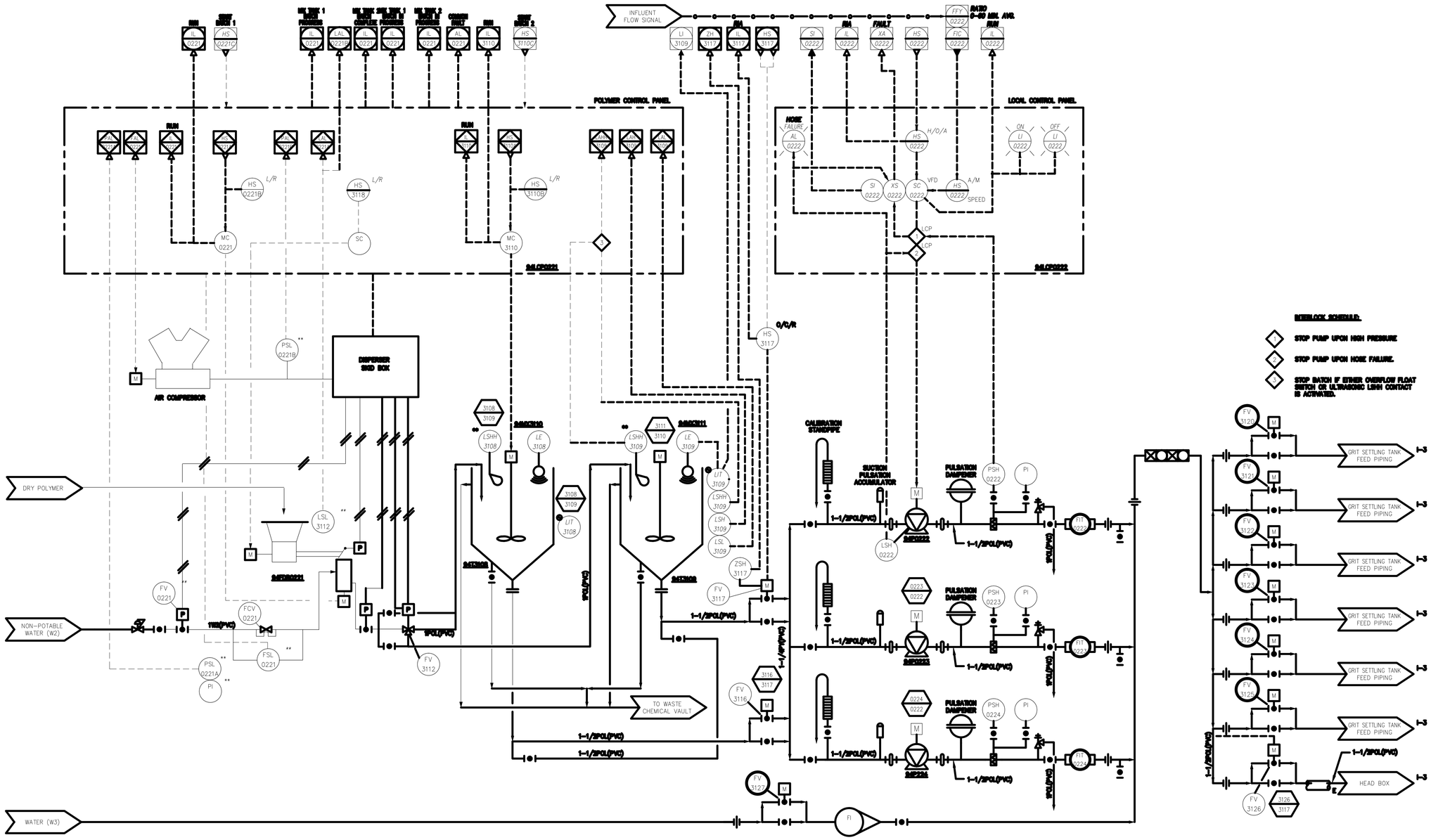

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POLYMER SYSTEM
P&ID

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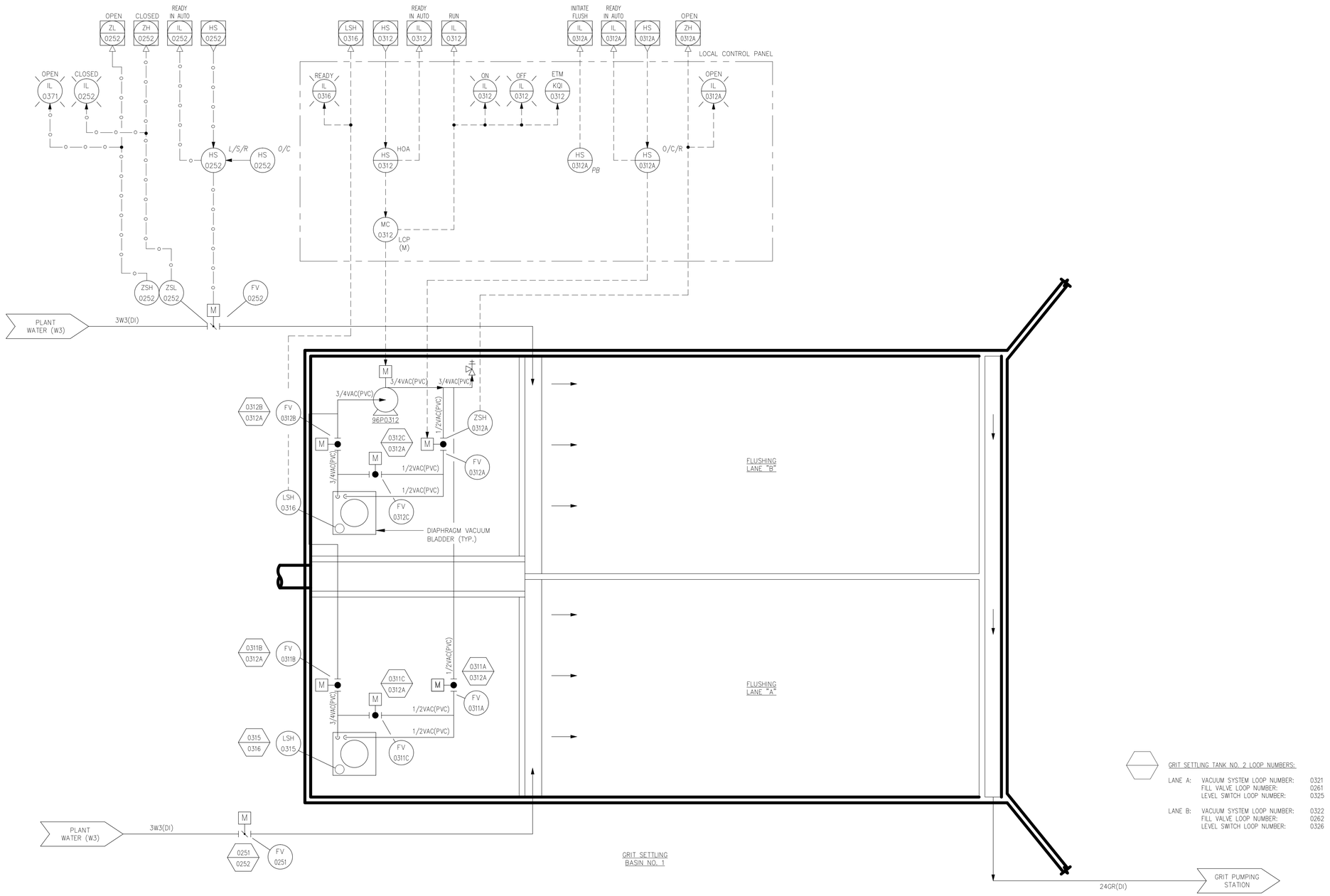

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GRIT SETTLING TANK FLUSHING SYSTEM P&ID

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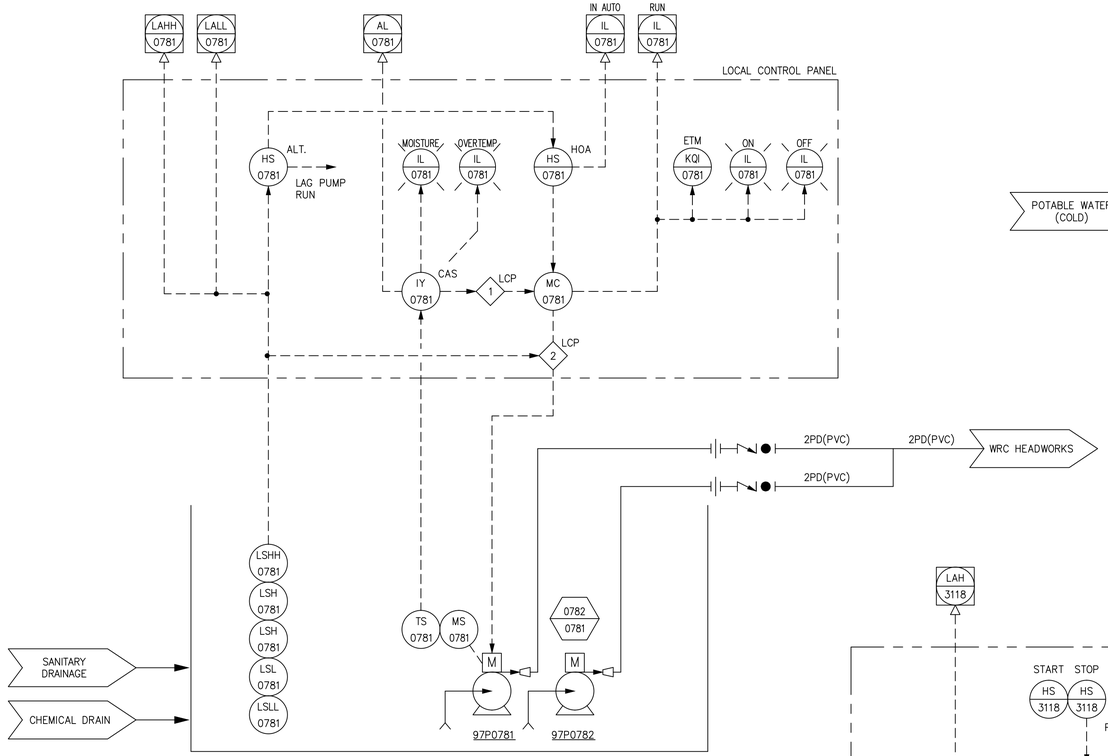
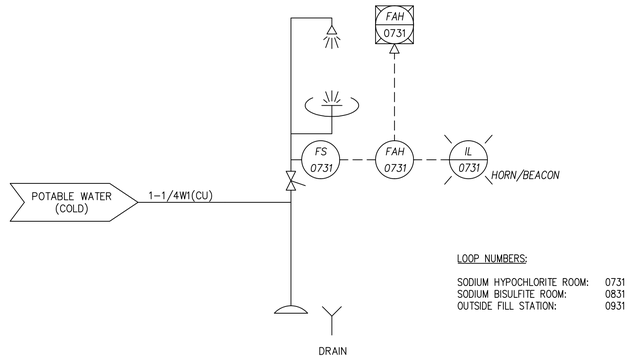


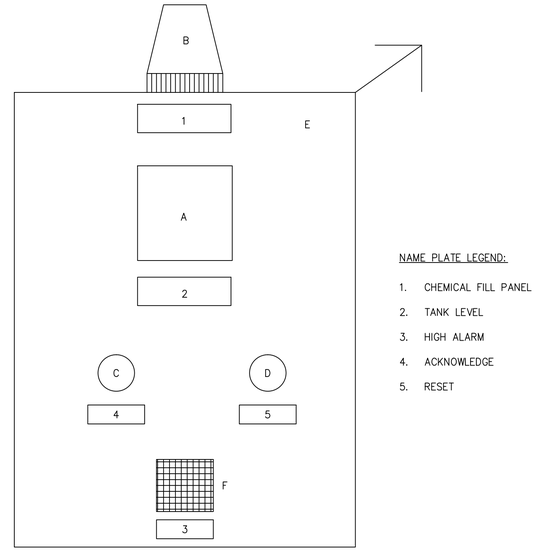
SANITARY PUMPING STATION



SAFETY SHOWER AND EYE WASH STATION

LOOP NUMBERS:

SODIUM HYPOCHLORITE ROOM: 0731
SODIUM BISULFITE ROOM: 0831
OUTSIDE FILL STATION: 0931

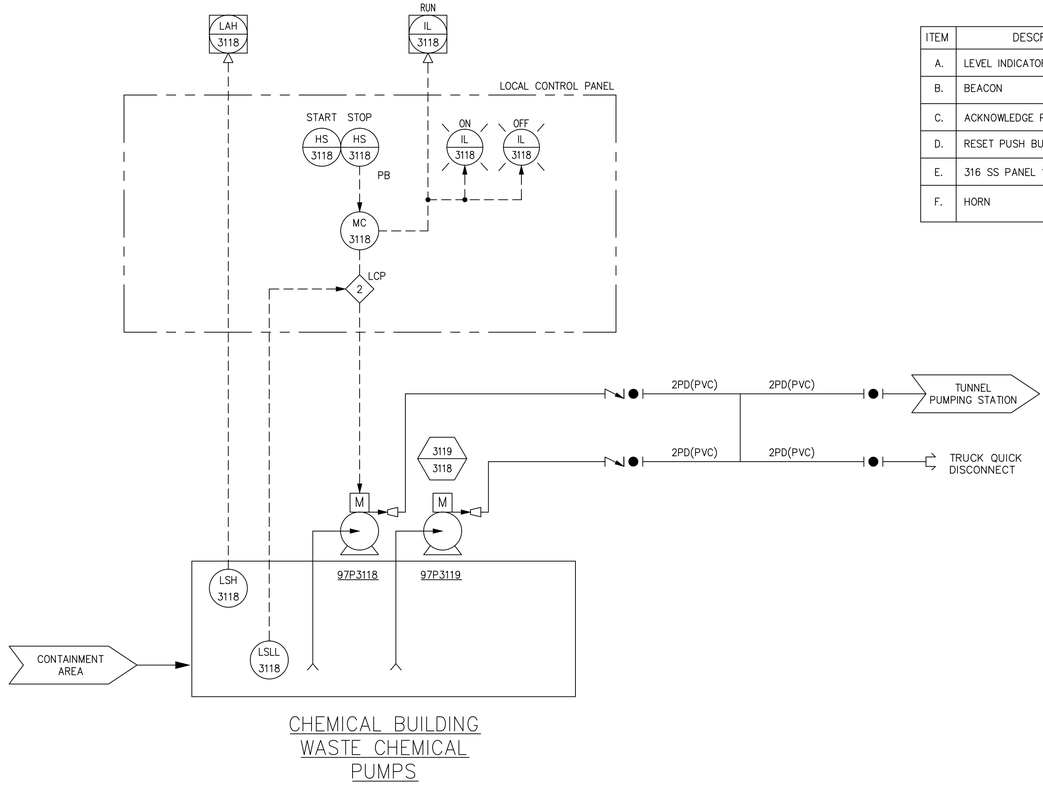


NAME PLATE LEGEND:

1. CHEMICAL FILL PANEL
2. TANK LEVEL
3. HIGH ALARM
4. ACKNOWLEDGE
5. RESET

ITEM	DESCRIPTION	MANUFACTURER	MODEL
A.	LEVEL INDICATOR	PRECISION DIGITAL	PD655-46 (WITH 4~20MA OUTPUT)
B.	BEACON	EDWARDS SIGNALING	104ST SERIES ADAPTABEACON STROBES NEMA 4X
C.	ACKNOWLEDGE PUSH BUTTON	ALLEN BRADLEY	800T SERIES 30.5MM NEMA TYPE
D.	RESET PUSH BUTTON	ALLEN BRADLEY	800T SERIES 30.5MM NEMA TYPE
E.	316 SS PANEL 18x24x12 MINIMUM		18x24x12 316SS
F.	HORN	EDWARDS SIGNALING	ADAPTAHORN VIBRATION HORN 876 & 877 SERIES NEMA 4X

CHEMICAL FILL STATION



CHEMICAL BUILDING WASTE CHEMICAL PUMPS

INTERLOCK SCHEDULE

1. STOP PUMP UPON HIGH TEMPERATURE. HIGH TEMPERATURE ALARM AUTOMATICALLY RESETS UPON PUMP COOLING. STOP PUMP UPON MOISTURE INTRUSION AND REQUIRE MANUAL RESET.
2. SHUT DOWN ALL PUMP UPON LOW LOW LEVEL IN THE WETWELL OR SUMP.

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MISCELLANEOUS DETAILS

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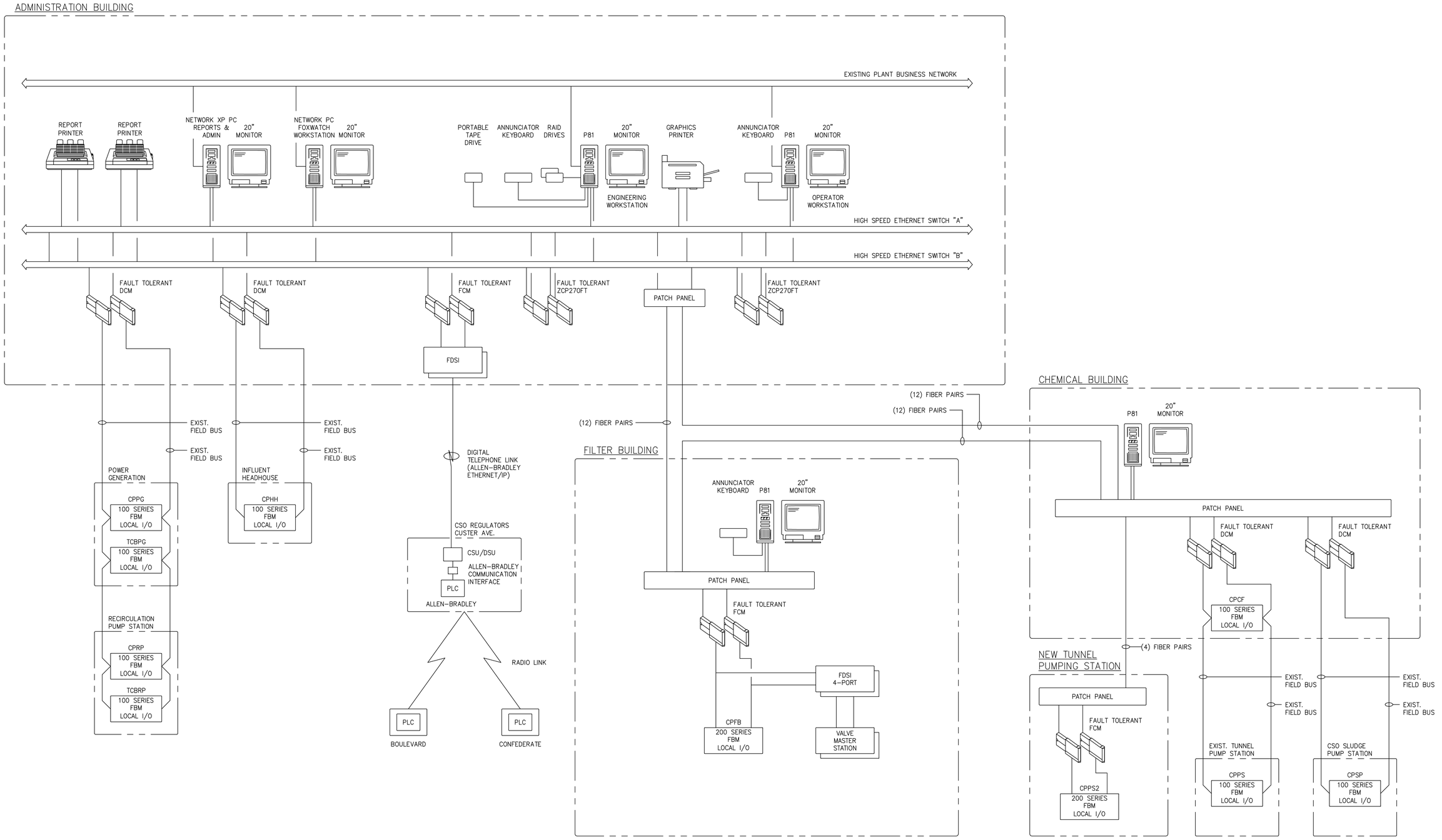

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

CONTROL SYSTEM ARCHITECTURE

INSTRUMENTATION

NOVEMBER 2004

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SYMBOLS FOR PLANS

- A 3 a — SURFACE, RECESSED OR PENDANT MOUNTED INCANDESCENT OR HIGH INTENSITY DISCHARGE LIGHTING FIXTURE
- A 3 a — SURFACE, RECESSED OR PENDANT MOUNTED FLUORESCENT LIGHTING FIXTURE
- A 3 a — WALL MOUNTED INCANDESCENT OR HIGH INTENSITY DISCHARGE LIGHTING FIXTURE
- A/P 3 a — POLE OR POST-TOP MOUNTED LIGHTING UNIT
- A/P 3 a — ROADWAY LIGHTING UNIT
- A 3 a — FLOODLIGHT
- 3 — WALL MOUNTED EXIT LIGHT
- 3 — CEILING OR PENDANT MOUNTED EXIT LIGHT
- A 3 — BATTERY OPERATED AUXILIARY LIGHTING UNIT MOUNT 7'-6" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED
- 3 D — REMOTE MOUNTED AUXILIARY LIGHTING HEAD MOUNT 7'-6" ABOVE FLOOR
- Sa — SINGLE POLE SWITCH CONTROLS FIXTURES MARKED "a"
- S2b — DOUBLE POLE SWITCH CONTROLS FIXTURES MARKED "b"
- S3c — THREE-WAY SWITCH CONTROLS FIXTURES MARKED "c"
- S4d — FOUR-WAY SWITCH CONTROLS FIXTURES MARKED "d"

LETTER "A" DENOTES TYPE OF FIXTURE;
"3" DENOTES PANELBOARD BRANCH CIRCUIT NO. 3;
"a" DENOTES CONTROLLED BY LOCAL SWITCH "a".
"P" DENOTES FURNISHED WITH POLE.

- RECEPTACLE - PEDESTAL MOUNTED
- RECEPTACLE - PEDESTAL MOUNTED, 240 VOLT AMPERE RATING AS INDICATED ON PLAN
- DUPLEX RECEPTACLE (GROUND TYPE)
- GROUND FAULT INTERRUPTER RECEPTACLE
- SINGLE RECEPTACLE (GROUND TYPE)
- WELDING RECEPTACLE, 60 A, 3-PHASE, 4 WIRE
- FLOOR MOUNTED RECEPTACLE
- MANUAL MOTOR STARTER
- MAGNETIC MOTOR STARTER
- MAGNETIC MOTOR STARTER AND DISCONNECT SWITCH
- DISCONNECT SWITCH. SIZE AS INDICATED.
- T — WALL MOUNTED THERMOSTAT - MOUNTED 5'-0" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED
- POWER DISTRIBUTION PANEL OR PANELBOARD
- UNIT HEATER
- M — MOTOR - FOR HORSEPOWER RATING, SEE PANELBOARD SCHEDULE OR SINGLE LINE DIAGRAM
  DC = DC MOTOR
- D — D = DAMPER MOTOR
  M = MOTORIZED VALVE
- TELEPHONE TERMINAL CABINET, TTB
- TELEPHONE OUTLET, WALL MOUNTED, WIRING AS REQUIRED
- J — JUNCTION BOX, SIZE PER NEC
- GROUND ROD - COPPER CLAD. 3/4" X 10' LONG.
- TEST WELL GROUND ROD
- EXOTHERMIC WELDED CONNECTION
- CONTROL STATION
- COMBINED CONTROL STATION AND DISCONNECT SWITCH
- VALVE CONTROLLER

- CONDUIT RUNS CONCEALED IN FLOOR, WALL AND UNDERGROUND
- CONDUIT RUNS EXPOSED
- CONDUIT TURNING UP OR TOWARD OBSERVER
- CONDUIT TURNING DOWN OR AWAY FROM OBSERVER
- FLEXIBLE CONDUIT
- DIRECT BURIAL CABLE
- G — GROUNDING CABLE. #4/0 BARE, STRANDED CU. UNLESS OTHERWISE NOTED.
- T — CONDUIT FOR TELEPHONE COMPANY'S WIRING
- EQUIPMENT TO BE DEMOLISHED
- E — EXISTING ELECTRICAL UTILITY/CONDUIT/CABLE
- EDB — EXISTING ELECTRICAL DUCT BANK
- SC — EXISTING ELECTRICAL SIGNAL/CONTROL CONDUIT/CABLE
- SCDB — EXISTING SIGNAL/CONTROL DUCT BANK
- E — NEW ELECTRICAL UTILITY/CONDUIT/CABLE
- EDB — NEW ELECTRICAL DUCT BANK
- SC — NEW ELECTRICAL SIGNAL/CONTROL CONDUIT/CABLE
- SCDB — NEW SIGNAL/CONTROL DUCT BANK

NOTE: "E", "EDB", ETC. LETTERS MAY BE OMITTED ON PLAN DRAWINGS.

CONT. SYMBOLS FOR PLANS

- C-324 — HOMERUN, CONDUIT AND WIRE NUMERALS DENOTE RACEWAY NUMBER
- DENOTES SECTION NO. OR DETAIL LETTER
  DENOTES SHEET NO. ON WHICH SECTIONS OR DETAIL IS EITHER SHOWN AND/OR TAKEN
- P7001 — CONDUIT NUMBER FOR WIRING - SEE SCHEDULE
- A.F.F. — ABOVE FINISHED FLOOR
- W — DENOTES WATERTIGHT EQUIPMENT
- WP — DENOTES WEATHERPROOF EQUIPMENT
- XP — DENOTES EXPLOSIONPROOF EQUIPMENT
- SV — SOLENOID VALVE
- EWC — ELECTRIC WATER COOLER
- CTB — TERMINAL BOX
  CTB = CONTROL WIRING TERMINAL BOX
  STB = SIGNAL WIRING TERMINAL BOX
- TB — JUNCTION BOX WITH TERMINAL STRIP

FIRE ALARM SYSTEM

- FACP — FIRE ALARM PANEL
- FAA — FIRE ALARM ANNUNCIATOR
- B — FIRE ALARM BELL
- F — MANUAL FIRE ALARM CALL STATION PULL TYPE
- F — FIRE ALARM HORN
- SD — SMOKE DETECTOR
- F — STROBE LIGHT
- F — COMBINED FIRE ALARM HORN AND STROBE
- R — SHUTDOWN RELAY

DOOR ALARM

- DOOR ALARM DOOR SWITCH
- K — DOOR ALARM KEY BYPASS SWITCH

SYMBOLS FOR ONE LINE DIAGRAMS

- 100/15 — MOLDED CASE CIRCUIT BREAKER, THERMAL MAGNETIC TRIP, 3-POLE UNLESS OTHERWISE NOTED. UPPER NUMERAL INDICATES FRAME SIZE. LOWER NUMERAL INDICATES TRIP SETTING.
- MCP/15 — MOTOR CIRCUIT PROTECTOR. NUMERAL INDICATES CONTINUOUS CURRENT RATING. MCPL = WITH CURRENT LIMITING FUSES.
- 100 — UNFUSED DISCONNECT SWITCH. NUMERAL DENOTES AMPERE RATING.
- 100/70 — FUSED DISCONNECT SWITCH, 3-POLE UNLESS OTHERWISE NOTED. UPPER NUMERAL INDICATES FUSE CLIP AMPERE SIZE. LOWER NUMERAL INDICATES FUSE RATING. WHERE "E" IS INDICATED PROVIDE "E" RATED FUSE BASED ON TRANSFORMER'S MANUFACTURERS RECOMMENDATION.
- 3 — CT = CURRENT TRANSFORMER, NUMERAL DENOTES QUANTITY.
- 2PT — PT = POTENTIAL TRANSFORMER, DRAWOUT TYPE
  NUMERAL DENOTES QUANTITY.
  CPT = CONTROL POWER TRANSFORMER, DRAWOUT TYPE WITH FUSE.
- 2PT — PT = POTENTIAL TRANSFORMER, NUMERAL DENOTES QUANTITY.
  CPT =CONTROL POWER TRANSFORMER WITH FUSE.
- FUSED DISCONNECT SWITCH DRAWOUT TYPE
- 2 WINDING TRANSFORMER, SIZE AS NOTED
- 3 WINDING TRANSFORMER, SIZE AS NOTED

MAGNETIC STARTER

FVNR 1a 1b 2

- FVNR = FULL VOLTAGE, NON-REVERSING
- FVR = FULL VOLTAGE, REVERSING
- FVTS = FULL VOLTAGE TWO SPEED
- RVNR = REDUCED VOLTAGE, NON-REVERSING AUTO-TRANSFORMER TYPE
- PW = PART WINDING
- LC = LIGHTING CONTACTOR
- AUXILIARY CONTACTS: 1a = ONE NORMALLY OPEN, 1b = ONE NORMALLY CLOSED
- NUMERAL INDICATES NEMA SIZE

- 5 — SQUIRREL CAGE INDUCTION MOTOR. NUMERAL DENOTES HORSEPOWER.
- G — GENERATOR
- A — METERS:

A = AMMETER		RT = RUNNING TIME METER	
V = VOLTMETER		TA = TACHOMETER	
W = WATTMETER		TG = TACHOMETER GENERATOR	
WH = WATTHOUR METER		PF = POWER FACTOR METER	
D = DEMAND METER		VAR = VARMETER	
EX = EXCITER		VR = VOLTAGE REGULATOR	
FM = FREQUENCY METER		KWH = KILOWATTHOUR METER	

- CLF — FUSE-CLF DENOTES CURRENT LIMITING TYPE
- R — INDICATING LIGHTS: R=RED, B=BLUE, G=GREEN, A=AMBER
- E — ELECTRICALLY INTERLOCKED
- K — MECHANICALLY INTERLOCKED
- K — KEY INTERLOCK
- EI — ELECTRICAL INTERLOCK
- NORMALLY OPEN CONTACT (DEENERGIZED POSITION)
- NORMALLY CLOSED CONTACT (DEENERGIZED POSITION)
- VS — VOLTMETER SELECTOR SWITCH
- AS — AMMETER SELECTOR SWITCH
- CS — CIRCUIT BREAKER CONTROL SWITCH
- CTB — CURRENT TEST BLOCK
- PTB — POTENTIAL TEST BLOCK
- TS — TEST SWITCH
- 52 — HIGH VOLTAGE VACUUM CIRCUIT BREAKER, DRAWOUT TYPE, ELECTRICALLY OPERATED, STORED-ENERGY TYPE, D.C. CLOSE AND TRIP.
- LIVE FEEDER INDICATOR, NEON TUBES, 2 PER PHASE
- Y — PHASING RECEPTACLE
- MPR — MICROPROCESSOR-BASED PROTECTION RELAY
- MPM — MICROPROCESSOR-BASED POWER MONITOR & DISPLAY
- MSR — MICROPROCESSOR-BASED STATUS RELAY
- MPD — MICROPROCESSOR-BASED POWER DISPLAY
- MPA — MICROPROCESSOR-BASED POWER MONITOR & ANALYZER (GE MULTILIN PQM OR EQUAL)
- MPC — MICROPROCESSOR-BASED POWER MONITOR & CONTROL
- MTU — MICROPROCESSOR-BASED TRIP UNIT (PROTECTION, MONITORING & COMMUNICATION)
- EQUIPMENT ENCLOSURE AND/OR CONTROLLER
- EQUIPMENT TO BE DEMOLISHED
- SPACE HEATER

SYMBOLS FOR ELEMENTARY DIAGRAMS

- STATUS INDICATION
- FIELD MOUNTED
- FRONT PANEL MOUNTED
- COMPUTER CONTROL SYSTEM CONFIGURABLE FUNCTION (DISPLAYED ON CRT)
- REAR PANEL MOUNTED
- COMPUTER CONTROL SYSTEM CONFIGURABLE FUNCTION (NOT DISPLAYED ON CRT)
- 120 VAC POWER SUPPLY
- OL'S — 3 OVERLOADS
- ETM — ELAPSED TIME METER

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ELECTRICAL LEGEND

ELECTRICAL — NOVEMBER 2004

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COMMONLY USED SUFFIX LETTERS APPLIED TO RELAY FUNCTION NUMBERS

SUFFIX LETTER	RELAY APPLICATION
A	ALARM ONLY
B	BUS PROTECTION
G	GROUND–FAULT PROTECTION (RELAY CT IN A SYSTEM NEUTRAL CIRCUIT) OR GENERATOR PROTECTION
GS	
L	LINE PROTECTION
M	MOTOR PROTECTION
N	GROUND FAULT PROTECTION (RELAY COIL CONNECTED IN RESIDUAL CT CIRCUIT)
T	TRANSFORMER PROTECTION
V	VOLTAGE

EXAMPLES:
(1) 87T – TRANSFORMER DIFFERENTIAL RELAY
(2) 51G – TIME–OVERCURRENT RELAY USED FOR GROUND FAULT PROTECTION
(3) 49M – MOTOR WINDING OVERLOAD (OR OVER TEMPERATURE) RELAY

ABBREVIATIONS

A	AMBER LIGHT (BKR. TRIPPED)
AA	AUTOMATIC ALTERNATOR
AM	AMMETER
ATS	AUTOMATIC TRANSFER SWITCH
ASC	AUTOMATIC SEQUENCING CONTACT
AUMS	SYS. AUTO–MAIN SWITCH
BTD	BEARING TEMPERATURE DETECTOR
BTS	BEARING TEMPERATURE SWITCH
CV	CONE VALVE
DCU	DISTRIBUTED CONTROL UNIT
EDH	ELECTRIC DUCT HEATER
EUH	ELECTRIC UNIT HEATER
EP	ELECTRIC PNEUMATIC
ECS	ENG. CONTROL SWITCH
EOV	ELECTRICALLY OPERATED VALVE
ESPB	EMERGENCY STOP PUSH BUTTON
EMS	ELECTRICAL MONITORING SYSTEM
ET	VOLTAGE TRANSDUCER
FC	FLOW CONTROLLER
FE	FLOW ELEMENT
FIT	FLOW INDICATING TRANSMITTER
FM1	FREQUENCY METER–INCOMING
FM2	FREQUENCY METER–RUNNING
FOH	FAN–OFF–HEATER SELECTOR SWITCH
FQIT	FLOW QUANTITY INDICATING TRANSMITTER
FS	FLOAT SWITCH
FT	FREQUENCY TRANSDUCER
FSR	FORWARD–STOP–REVERSE PUSHBUTTON, MOMENTARY–CONTACT TYPE
FSRL	FORWARD–STOP–REVERSE PUSHBUTTON, MOMENTARY–CONTACT TYPE WITH LOCKOUT LATCH
G	GREEN LIGHT (BREAKER OPEN)
H	HORN
HA	HAND–AUTOMATIC SELECTOR SWITCH
HLOT	HIGH LUBE OIL TEMPERATURE SWITCH
HOA	HAND–OFF–AUTOMATIC SELECTOR SWITCH
HOS	HAND–OFF–STANDBY SELECTOR SWITCH
HS	HORN SILENCE PUSH BUTTON
HT	HEAT TRACING
HWT	HIGH WATER TEMPERATURE SWITCH
IT	CURRENT TRANSDUCER
JOC	JOG–OPEN–CLOSE PUSHBUTTON, MOMENTARY–CONTACT TYPE
JT	WATT TRANSDUCER
KS	KEY SWITCH
LC	LEVEL CONTROLLER
LDSS	LEAD UNIT SELECTOR SWITCH
LE	LEVEL ELEMENT
LI	LEVEL INDICATOR
LIT	LEVEL INDICATING TRANSMITTER
LLOP	LOW LUBE OIL PRESSURE SWITCH
LOR	LOCAL–OFF–REMOTE SELECTOR SWITCH
LR	LOCAL–REMOTE SELECTOR SWITCH
LS	LIMIT SWITCH
LTS	LIGHT TEST PUSH BUTTON
MCC	MOTOR CONTROL CENTER
MHC	MECHANICALLY HELD LIGHTING CONTACTOR
MOV	MOTOR OPERATED VALVE
MS	MASTER CONTROL SWITCH
MSD	MOISTURE SENSING DETECTION PANEL
MSH	MOTOR SPACE HEATER
MTP	MOTOR THERMAL PROTECTOR (BUILT–IN)
MHC	DENOTES LOW VOLTAGE POWER AND CONTROL
MHP	DENOTES MEDIUM VOLTAGE POWER
OC	OPEN–CLOSE SWITCH
OSC	OPEN–STOP–CLOSE PUSHBUTTON
PE	PNEUMATIC ELECTRIC
PFCC	POWER FACTOR CORRECTION CAPACITOR (HARMONIC FILTER)
PFT	POWER FACTOR TRANSDUCER
PHL	PHOTOELECTRIC SWITCH
PLC	PROGRAMMABLE LOGIC CONTROLLER

CONT.–ABBREVIATIONS

PS	PRESSURE SWITCH
RESET	RESET BUTTON
RC	RATE CONTROLLER
RO	RUN–OFF SWITCH
RSFS	REMOTE–SLOW–FAST–STOP SELECTOR SWITCH
RTM	RUNNING TIME METER
SC	SPEED CONTROLLER
SCV	SURGE CONTROL VALVE
SEL	SELECTOR SWITCH
SF	SLOW–FAST PUSHBUTTON, MOMENTARY–CONTACT TYPE
SFS	SLOW–FAST–STOP PUSHBUTTON, MOMENTARY–CONTACT TYPE
SI	SPEED INDICATOR
SL	SYNCHRONIZING LIGHT
SO	SAFE–OFF SWITCH
SOL	SAFE–OFF SWITCH, WITH LOCKOUT LATCH
SPF	SHEAR PIN FAILURE CONTACT
SQ	SEQUENCE SELECTOR SWITCH
SS	SYNCHROSCOPE
SSI	START–STOP PUSHBUTTON, MOMENTARY–CONTACT TYPE WITH RED (RUN) AND GREEN (OFF) INDICATING LIGHTS
SSL	START–STOP PUSHBUTTON, MOMENTARY–CONTACT TYPE WITH LOCKOUT LATCH
SSM	START–STOP PUSHBUTTON, MAINTAINED–CONTACT TYPE
SV	SOLENOID VALVE
SWSV	SEAL WATER SOLENOID VALVE
T	THERMOSTAT
T/C	THERMOCOUPLE
TG	TACHOMETER GENERATOR
TI	TIMER
TIT	TEMPERATURE INDICATING TRANSMITTER
TMS	TRANSFER MODE SELECTOR SWITCH
TQ	TORQUE ALARM SWITCH
TS	TEST SWITCH
TT	TEMPERATURE TRANSDUCER
TVSS	TRANSIENT VOLTAGE SURPRESSION SYSTEM
VFD	VARIABLE FREQUENCY DRIVE
VMI	VOLT METER–INCOMING
VMR	VOLT METER–RUNNING
LCI	LOAD COMMUTATED INVERTER
ZS	POSITION SWITCH
SRC	SECONDARY RESISTOR CONTROLLER
ST1	SERVICE TRANSFORMER NO.1
GFP	GROUND FAULT PROTECTION
SLR	SLIP LOSS RECOVERY VARIABLE SPEED DRIVE CONTROLLER
SCR	SILICON CONTROLLED RECTIFIER DRIVE
LCP	LOCAL CONTROL PANEL
GCS	GENERATOR MONITORING & CONTROL SYSTEM
NIC	NOT IN CONTRACT
OL	OVERLOAD RELAY/CONTACTOR
ZS	FAILURE RELAY/CONTACTOR
IL	INDICATING LIGHT
DCS	DIGITAL CONTROL SYSTEM
TS	TEMPERATURE SWITCH
MS	MOISTURE SWITCH
FE	FLOW ELEMENT
FIT	FLOW TRANSMITTER
GFI	GROUND FAULT INTERRUPTER
WP	WEATHER–PROOF
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY

SPECIFICATIONS

1. WORK THESE DRAWINGS WITH APPLICABLE PROJECT SPECIFICATIONS.
2. CABLE NUMBERING SCHEME

FIRST DIGIT=CABLE TYPE

H= POWER CABLES > 600V.
P= POWER CABLES 208V. TO <= 600V.
C= 120VAC POWER & CONTROL CABLES.
I= INSTRUMENTATION CABLES–LOW VOLTAGE DC.
S= SPECIAL COMMUNICATION CABLES
X= SPARE CABLES

SECOND DIGIT=PROCESS AREA

3= AREA 93 PUMP STATION
4= AREA 94 CHEMICAL FEED BUILDING & AREA
5= AREA 95 NEW VORTEX SEPARATOR
6= AREA 96 SLUDGE PUMPING BUILDING & AREA
7= AREA 97 FILTER BUILDING
8= AREA 98 CHEMICAL FEED INSIDE FILTER BUILDING

REMAINING DIGITS REPRESENT UNIQUE SEQUENTIAL CABLE NUMBER.

GENERAL NOTES

1. ALL CONDUIT AND EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE NATIONAL ELECTRICAL CODE AND APPLICABLE LOCAL CODES.
2. CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY ONLY AND SHALL BE INSTALLED IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT AND STRUCTURAL CONDITIONS. EXPOSED CONDUITS SHALL BE INSTALLED PARALLEL TO BEAMS AND WALLS.
3. CONDUITS SHALL BE TERMINATED SO AS TO PERMIT PROPER CONNECTIONS TO MOTORS AND OTHER EQUIPMENT.
4. NO CONDUIT SMALLER THAN 3/4" PIPE SIZE NOR WIRE SMALLER THAN NO.12 A.W.G. SHALL BE USED UNLESS OTHERWISE NOTED.
5. THE WIRING DIAGRAMS, QUANTITY AND SIZE OF WIRES AND CONDUIT REPRESENT A SUGGESTED ARRANGEMENT BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL EQUIPMENT. MODIFICATIONS ACCEPTABLE TO THE ENGINEER MAY BE MADE BY THE CONTRACTOR TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED. THE BASIC SEQUENCE AND METHOD OF CONTROL MUST BE MAINTAINED AS INDICATED ON THE DRAWINGS AND/OR SPECIFICATIONS.
6. SWITCHES SHALL BE MOUNTED 4'–6" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED. RECEPTACLES SHALL BE MOUNTED 4'–0" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED, EXCEPT RECEPTACLES IN OFFICES OR AREAS WITH HUNG CEILINGS SHALL BE MOUNTED 1'–6" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
7. ALL SURFACE MOUNTED PANELS AND PANELBOARDS ON THE INSIDE OF THE EXTERIOR WALLS ABOVE GRADE, OR IN OTHER LOCATIONS CONSIDERED AS DAMP, SHALL BE MOUNTED SO AS TO MAINTAIN A 1/4" AIR SPACE BETWEEN THE ENCLOSURE AND THE WALL.
8. ALL PANELBOARDS SHALL BE MOUNTED SO THAT THE DISTANCE FROM THE TOP CIRCUIT BREAKER OPERATING HANDLE TO THE FLOOR SHALL NOT EXCEED 6'–6".
9. IN GENERAL, PULL BOXES OR JUNCTION BOXES ARE NOT SHOWN ON THE DRAWINGS. BOXES SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH THE SPECIFICATIONS, AND NEC.
10. LIGHTING FIXTURES SHALL BE MOUNTED ACCORDING TO THE MOUNTING HEIGHT GIVEN ON THE DRAWINGS, WITH THE DISTANCE BEING MEASURED FROM THE BOTTOM OF THE LIGHTING FIXTURE TO THE FINISHED FLOOR.
11. CONDUIT AND WIRE (NOT SHOWN) FOR SWITCHES AND/OR RECEPTACLES SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AND SHALL BE:
    a. MINIMUM 3/4" CONDUIT, TYPE AS SPECIFIED.
       1. EXPOSED IN UNFINISHED AREAS.
       2. CONCEALED ABOVE HUNG CEILINGS AND IN WALLS IN FINISHED AREAS.
    b. MINIMUM NO.12 COPPER WIRE, TYPE AS SPECIFIED. QUANTITY OF WIRES AS REQUIRED. PROVIDE SEPARATE NEUTRAL FOR EACH CIRCUIT.
12. OUTLET, SWITCH, JUNCTION, PULL AND TERMINAL BOXES SHALL BE PROVIDED WITH NEMA ENCLOSURES AS INDICATED ON THE EQUIPMENT ENCLOSURE SCHEDULE OR SPEC.
13. ALL CONDUIT RUNS CROSSING EXPANSION JOINTS SHALL HAVE EXPANSION OR EXPANSION AND DEFLECTION TYPE FITTINGS AS REQUIRED. FOR EXACT LOCATIONS OF EXPANSION JOINTS SEE STRUCTURAL DRAWINGS.
14. MCC COMPARTMENT DESIGNATIONS AS INDICATED BELOW:
    BLANK – NOT INTENDED FOR USE–PLATE ONLY
    SPACE – CONTAINS NECESSARY BUS AND HARDWARE FOR FUTURE ADDITION OF BREAKERS OR STARTERS WITHIN SIZE RANGE SHOWN.
    SPARE – CONTAINS A COMPLETE BREAKER OR STARTER INSTALLED, SIZE AS INDICATED, AVAILABLE FOR FUTURE USE.
15. ALL MOTOR STARTER CONTROL TRANSFORMERS SHALL BE SIZED TO PROVIDE SUFFICIENT VOLT–AMPERE CAPACITY FOR OPERATING ALL ELECTRICAL DEVICES ASSOCIATED WITH CONTROL OF THE MOTOR.
16. ALL UNDERGROUND CONDUIT SHALL BE ENCASED IN REINFORCED CONCRETE UNLESS OTHERWISE NOTED.
17. ALL WORK SHOWN BY DARK LINES REPRESENT NEW INSTALLATION.
18. FOR LIGHTNING PROTECTION SYSTEMS REFER TO SPECIFICATIONS DIVISION 16601. LIGHTNING PROTECTION SHALL BE PROVIDED FOR THE FILTER BUILDING AND THE PUMP STATION ELECTRICAL BUILDING.
19. DESIGNATED HOMERUNS (TO DCS) SHOWN ON PLAN DRAWINGS SHOULD TERMINATE AT THE APPLICABLE TERMINATION CABINET, WIRING CABINET, OR I/O CABINET.
20. ELEMENTARY CONTROL DIAGRAMS ARE PROVIDED ONLY FOR EQUIPMENT WITH STARTERS LOCATED IN THE MOTOR CONTROL CENTERS TO BE PROVIDED BY THE CONTRACTOR. ELEMENTARY CONTROL DIAGRAMS FOR PACKAGED EQUIPMENT ARE TO BE DESIGNED AND PROVIDED BY EQUIPMENT SUPPLIER OR SYSTEM INTEGRATOR.
21. ALL ENCLOSED MOTOR CONTROL CENTER AND SWITCHBOARD CIRCUIT BREAKERS SHALL BE 100% RATED.
22. ALL FIELD EQUIPMENT IN LOCATED IN APPROXIMATE LOCATIONS. FINAL LOCATION TO BE DETERMINED IN THE FIELD.

HAZARDOUS AREA CLASSIFICATION

INSTALLATION SHALL MEET NFPA 820 AND NEC ART 500. EXTENT OF HARZARDOUS AREAS IS BASED ON THESE STANDARDS. HAZARD IS FROM METHANE AND GASOLINE (CLASS 1 GROUP D MATERIALS PER NEC). NOTE THAT THIS TABLE IS FOR HAZARDOUS AREAS ONLY, FOR CORROSIVE AREAS SEE PROJECT SPEC. 16010.

AREA	CLASSIFICATION	COMMENT
BYPASS TO WRC HEADWORKS, PUMP STATION,	A) CLASS I, DIV. 1:BELOW GRADE PUMP WELL B) CLASS I, DIV. 2:SPACE 18 INCHES HIGH ABOVE HATCH AND 3 FEET BEYOND HATCH OR ENCLOSED SPACE C) CLASS I, DIV. 2:SPHERE OF 3–FOOT RADIUS AROUND VENT	
HEADBOX, NEW VORTEX SEPARATOR	A) CLASS I, DIV. 1: SPACES BENEATH CHANNEL COVERS B) CLASS I, DIV. 2: ALL EXTERIOR SPACES ABOVE STRUCTURE, 18 INCHES HIGH C) CLASS I, DIV. 2: 10 FOOT SPACE, 18 INCHES HIGH BEYOND STRUCTURE PERIMETER	
GRIT SETTLING BASIN, SEDIMENTATION BASIN	A) CLASS 1, DIV 1:SPACES BENEATH BASIN COVERS B) CLASS 1, DIV 2:SPACE 10 FEET WIDE AND 18 INCHES HIGH ABOVE GRADE AROUND BASIN PERIMETER C) CLASS 1, DIV. 2:SPACE 18 INCHES BEYOND BASIN COVER AND STRUCTURE SURFACE	NO CHANGES FOR EXIST EQUIPMENT. WIRING TO BE REUSED
GRIT PUMPS PITS, DETRITUS TANKS, OTHER PUMP PITS & WELLS	A) CLASS 1, DIV.1:BELOW GRADE SPACES B) CLASS 1, DIV.2: SPACE 18 INCHES HIGH ABOVE TOP OF PIT AND SPACE 10 FEET WIDE AND 18 INCHES HIGH BEYOND PIT PERIMETER	
SLUDGE PUMP STATION	A) CLASS 1, DIV. 1: SLUDGE PIT INTERIOR SPACE B) CLASS 1, DIV. 2: SPACE 18 INCHES HIGH ABOVE SLUDGE PIT HATCH AND SPACE 10 FEET WIDE AND 18 INCHES HIGH BEYOND HATCH PERIMETER C) NON–HAZARDOUS: PUMP ROOM SPACE	PUMP ROOM SPACE REDUCED FROM CLASS I, DIV. 2 TO NON–HAZARDOUS BY VENTILATION PER NFPA 820. SEE NOTE BELOW.
SLUDGE HOLDING TANKS AND PUMP ROOM	A) CLASS I, DIV. 1: TANK INTERIOR SPACES B) CLASS I, DIV. 2: NORTH AND SOUTH PIPING GALLERIES AND STAIRWELLS C) CLASS 1, DIV. 2: SPACE 10 FEET WIDE AND 18 INCHES HIGH ABOVE GRADE AROUND TANK PERIMETER D) CLASS I, DIV. 2: SPACE 18 INCHES BEYOND TANK STRUCTURE SURFACE E) NON–HAZARDOUS: UPPER AND LOWER LEVELS OF PUMP ROOM (HEADHOUSE)	PUMP ROOM REDUCED FROM CLASS I, DIV. 2 TO NON–HAZARDOUS BY VENTILATION PER NFPA 820. SEE NOTE BELOW.
FILTER BUILDING	NON–HAZARDOUS, CORROSIVE	VENTILATED FOR ODOR CONTROL ONLY.
BELOW GROUND SUMP PUMP PITS, VALVE VAULTS & SPACES	CLASS I, DIV. 2: BELOW GRADE AND SPACE 10 FEET WIDE BEYOND ENCLOSED SPACE AND 18 INCHES ABOVE	

NOTE:

IN AREAS WHERE VENTILATION REDUCES THE DEGREE OF HAZARD (I.E. SLUDGE PUMP ROOMS), ELECTRICAL CONTRACTOR SHALL ADD ALARMS PER NFPA 820 TO WARN PERSONNEL ENTERING THE AREA WHEN THE VENTILATION IS NOT OPERATING. SEE E–17.

23. CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE ELECTRICAL HEAT TRACING SYSTEM FOR ALL PIPING WHICH IS INDICATED AS ELECTRICALLY TRACED ON THE P&ID'S. GENERALLY INCLUDES ALL EXTERIOR NONBURIED CHEMICAL LINES 2" AND SMALLER (POLYMER TO HEADBOX, HYPOCHLORITE AT RAPID MIX, CAUSTIC SODA AT HEADBOX AND OTHERS) LINES SHALL BE PROVIDED WITH HEAT TRACE CABLE AND REQUIRED ACCESSORIES SPECIFIED IN SECTION 16800–ELECTRIC FREEZE PROTECTION. CONTRACTOR SHALL EMPLOY THE SERVICES OF RAYCHEM–CHEMELEX OR APPROVED EQUAL TO DESIGN THIS SYSTEM. TRACING SHALL BE DETERMINED BY USE ON AN ELECTRONIC BASED SIZING PROGRAM. SYSTEM SHALL PROTECT PIPING AGAINST FREEZING AND SHALL INCLUDE THE FOLLOWING AS REQUIRED: POWER PANELS, TRANSFORMERS, POWER CIRCUITS, BRANCH CIRCUITS, APPROPRIATELY SIZED SELF–REGULATING HEAT TRACING CABLES, MASTER THERMOSTAT, MASTER CONTROL PANEL (HTPI), CONTACTORS, TERMINATIONS AND ALL APPURTENANCES AS REQUIRED FOR A COMPLETE AND WPRKING SYSTEM. ALL COMPONENTS SHALL BE SUITABLE FOR THE ENVIRONMENTAL (INCLUDING ELECTRICAL HAZARDOUS AREAS) CONDITIONS. (SEE E–6 FOR ADDITIONAL NOTES).
24. ALL EQUIPMENT TO BE DEMOLISHED OR REPLACED SHALL INCLUDE APPROPRIATE REMOVAL OF EQUIPMENT, ELECTRICAL CONDUIT AND WIRING. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR DETAILS.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1–2008	MF	SJ	AS–BUILT DRAWING

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REG. PROF. ENGR. DATE

REG. PROF. ENGR. DATE

DRAWN BY R. HERRERA

DEPT. CHECK R. WEBER

PROJ. CHECK N. COOPER

SCALE: NONE

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

NOTES, ABBREVIATIONS & AREA CLASSIFICATION

ELECTRICAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE EZETP002.dwg
SHEET E–2

PATH/FILENAME: G:\Wem\GA6PA134 – CSO Group 1\3_DATA\Y COA\GB EATP\Drawings\2008 ASBUILTS\EZETP002.dwg PLOT DATE: July 31, 2014 @ 05:56:32 pm

SEE E-21 AND E-58 FOR WIRES

VALVE 96FV0093 & 97FV0094 SEE E-21

VALVE 96FV0092 SEE E-21

VALVE 96FV0091 SEE E-21

WASHWATER PUMP STATION

FILTER BUILDING

SEE SHEET E-6

SANITARY PUMP STATION

NEW TX-CF2 TRANSFORMER

NEW TX-FB TRANSFORMER

NEW DETRITUS TANK #1

NORTH GRIT SETTLING BASIN

NORTH SEDIMENTATION BASIN

DRAIN VALVES 94XV31073/83 SEE E-16

SLUDGE PUMP STATION BUILDING

RAPID MIX TANK

CHEMICAL BUILDING

SWITCHGEAR #2

SOUTH SEDIMENTATION BASIN

SOUTH GRIT SETTLING BASIN

SEE SHEET E-4

NEW DETRITUS TANK #2

NEW GRIT PUMP STATION #2

VORTEX SEPARATOR

EXISTING PUMP STATION ELECTRICAL ROOM

TX-PS2 TRANSFORMER

T32 TRANSFORMER

NEW METER VAULT

NEW PUMP STATION ELECTRICAL BUILDING

TUNNEL PUMPING STATION

NEW T33 TRANSFORMER

SWITCH GEAR #1

GEORGIA POWER SUBSTATION

ELECTRICAL GENERATION BUILDING

SWITCHGEAR #4

N

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: R. HERRERA

DEPT. CHECK: R. WEBER

PROJ. CHECK: N. COOPER

SCALE: 1" = 50' (0, 50, 100, 150 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

ELECTRICAL SITE PLAN 1
OVERALL SITE PLAN

ELECTRICAL — NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE EZETP003.dwg

SHEET E-3

PLOT DATE: July 31, 2014 @ 06:08:29 pm

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NOTES:

1. FURNISH AND INSTALL NEW DUCT BANKS AS SHOWN ON E-34.
2. PROPOSED ELECTRICAL DUCT BANK APPROXIMATE LOCATION. CONDUIT, CABLE AND DUCT BANK INSTALLATION FOR TUNNEL PUMPS SHALL BE CONTRACTOR'S RESPONSIBILITY.
3. HIGH MAST LIGHTING FIXTURE. 60 FOOT PRECAST CONCRETE POLE WITH FIXED LUMINAIRS. FIXTURE TO BE 480V, 1 PHASE, CONNECTING TO CKT 7, PANEL PPH-PS, IN PUMP STATION ELECTRICAL BUILDING.
4. FURNISH AND INSTALL NEW SIGNAL AND CONTROL DUCT BANK FROM EXISTING SIGNAL MANHOLE TO NEW PUMPING STATION ELECTRICAL ROOM. NEW DUCT BANK CAN PARALLEL (AT LEAST ONE FOOT SEPARATION) NEW 480VAC DUCT BANK FROM NEW TRANSFORMER T33.
5. EXIST EDB REMOVED TO WEST OF EXIST. PSEB, AND (6) 2" SPARE SIGNAL CONDUITS CONNECTED TO EXIST. CONDUITS & RUN TO PSEB

MATCHLINE -- SEE DRAWING E-6

GRIT PUMP STATION #1 SEE E-18
DETRITUS TANK #1 SEE E-18
NEW TX-CF2 SEE E-7
NEW TX-PS2 SEE E-7
BIOGEST SYSTEM #1 SEE E-18
RAPID MIX TANK SEE E-15
SWITCHGEAR #2 SEE E-7
T32 SEE E-7
EXISTING MCC-SP SEE E-7, E-9, E-17
CHEMICAL BUILDING
EXISTING MCC-CF SEE E-7, E-11, E-24
BIOGEST SYSTEM #2 SEE E-19
ABANDONED IN PLACE, PULLED OUT WIRES
GRIT PUMP STATION #2 SEE E-19
DETRITUS TANK #2 SEE E-19
VORTEX SEPARATOR SEE E-15
24" MOTORIZED VALVE 93FCV31102 SEE E-15
EFFLUENT PARSHALL FLUME SEE E-26
METER VAULT SEE E-14
TUNNEL PUMPING STATION SEE E-12
EXISTING PUMP STATION ELECTRICAL ROOM SEE E-13
EXISTING MCC-PS
FEEDER FOR H.M. LIGHT
TX-PS2 SEE E-7 (ELEVATE ABOVE FLOOD PLAIN)
NEW T33 SEE E-7
NEW MCC-PS SEE E-7, E-8, E-13
NEW PUMP STATION BUILDING SEE E-13

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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DRAWN BY: R. HERRERA
DEPT. CHECK: R. WEBER
PROJ. CHECK: N. COOPER

SCALE: 1" = 20' (0, 20, 40, 60 FEET)

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

ELECTRICAL SITE PLAN 2
TUNNEL PUMPING STATION AND CHEMICAL BUILDING

ELECTRICAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE EZETP004.dwg
SHEET E-4

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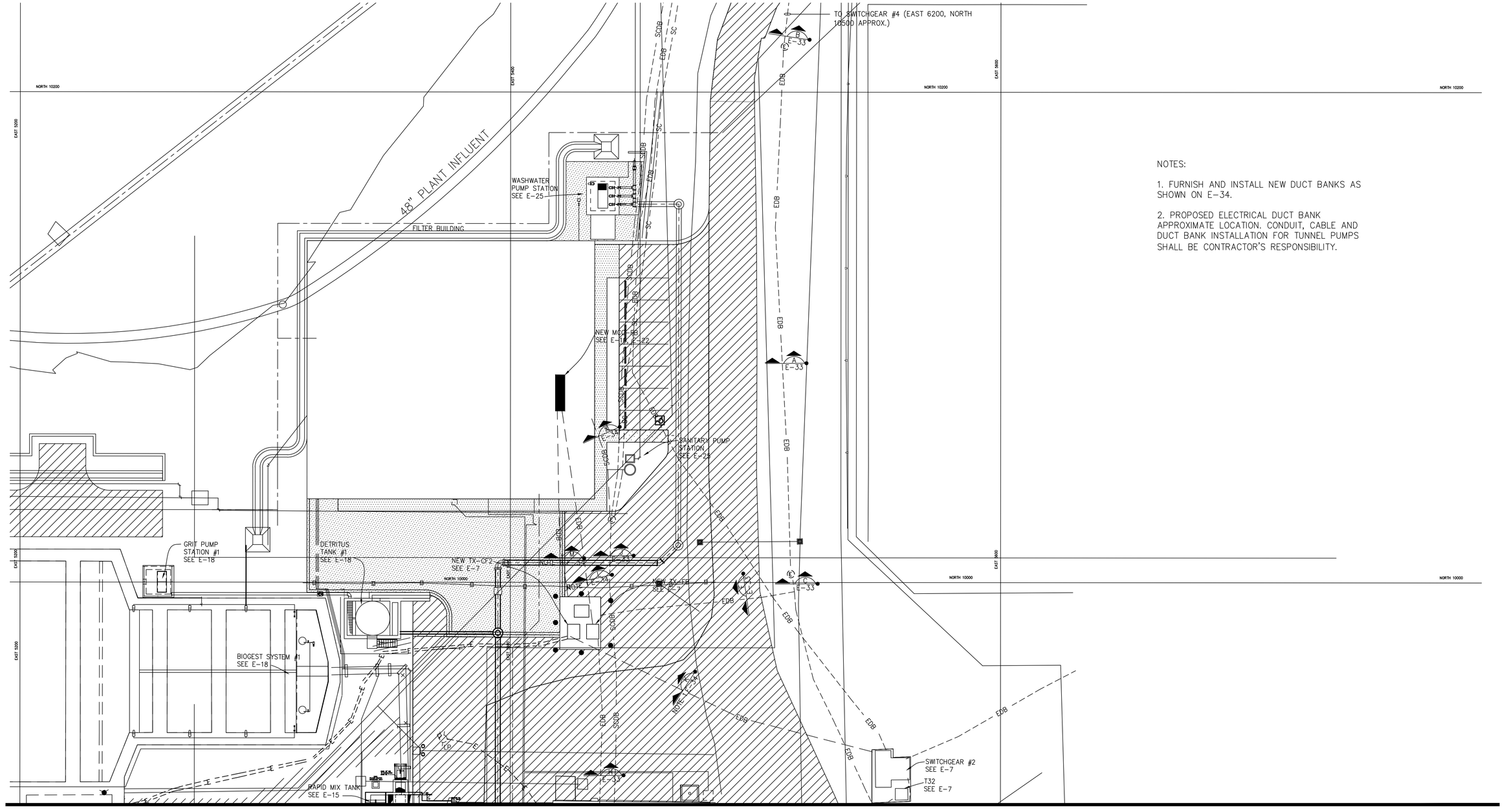

MATCHLINE -- SEE DRAWING E-4

NOTES:

1. FURNISH AND INSTALL NEW DUCT BANKS AS SHOWN ON E-34.

2. PROPOSED ELECTRICAL DUCT BANK APPROXIMATE LOCATION. CONDUIT, CABLE AND DUCT BANK INSTALLATION FOR TUNNEL PUMPS SHALL BE CONTRACTOR'S RESPONSIBILITY.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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PROJ. CHECK: N. COOPER

SCALE: 1" = 20' (0, 20, 40, 60 FEET)

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

ELECTRICAL SITE PLAN 3
FILTER BUILDING

ELECTRICAL — NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE EZETP006.dwg
SHEET E-6

PLOT DATE: July 31, 2014 @ 06:15:41 pm
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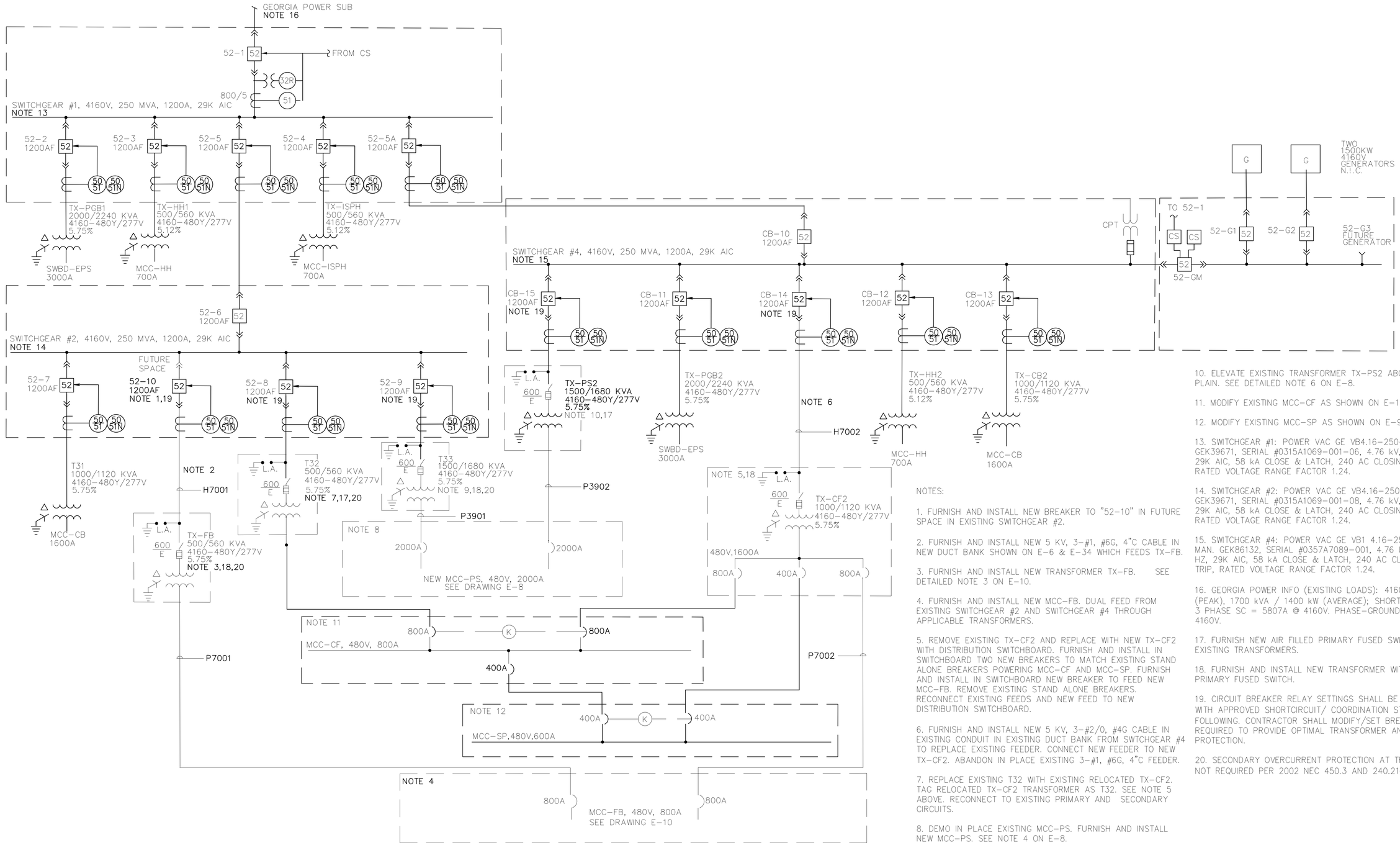

NOTES:

1. FURNISH AND INSTALL NEW BREAKER TO "52-10" IN FUTURE SPACE IN EXISTING SWITCHGEAR #2.

2. FURNISH AND INSTALL NEW 5 KV, 3-#1, #6G, 4"C CABLE IN NEW DUCT BANK SHOWN ON E-6 & E-34 WHICH FEEDS TX-FB.

3. FURNISH AND INSTALL NEW TRANSFORMER TX-FB. SEE DETAILED NOTE 3 ON E-10.

4. FURNISH AND INSTALL NEW MCC-FB. DUAL FEED FROM EXISTING SWITCHGEAR #2 AND SWITCHGEAR #4 THROUGH APPLICABLE TRANSFORMERS.

5. REMOVE EXISTING TX-CF2 AND REPLACE WITH NEW TX-CF2 WITH DISTRIBUTION SWITCHBOARD. FURNISH AND INSTALL IN SWITCHBOARD TWO NEW BREAKERS TO MATCH EXISTING STAND ALONE BREAKERS POWERING MCC-CF AND MCC-SP. FURNISH AND INSTALL IN SWITCHBOARD NEW BREAKER TO FEED NEW MCC-FB. REMOVE EXISTING STAND ALONE BREAKERS. RECONNECT EXISTING FEEDS AND NEW FEED TO NEW DISTRIBUTION SWITCHBOARD.

6. FURNISH AND INSTALL NEW 5 KV, 3-#2/0, #4G CABLE IN EXISTING CONDUIT IN EXISTING DUCT BANK FROM SWTCHGEAR #4 TO REPLACE EXISTING FEEDER. CONNECT NEW FEEDER TO NEW TX-CF2. ABANDON IN PLACE EXISTING 3-#1, #6G, 4"C FEEDER.

7. REPLACE EXISTING T32 WITH EXISTING RELOCATED TX-CF2. TAG RELOCATED TX-CF2 TRANSFORMER AS T32. SEE NOTE 5 ABOVE. RECONNECT TO EXISTING PRIMARY AND SECONDARY CIRCUITS.

8. DEMO IN PLACE EXISTING MCC-PS. FURNISH AND INSTALL NEW MCC-PS. SEE NOTE 4 ON E-8.

9. REMOVE EXISTING TRANSFORMER T33. FURNISH AND INSTALL NEW TRANSFORMER T33. SEE DETAILED NOTE 5 ON E-8.

10. ELEVATE EXISTING TRANSFORMER TX-PS2 ABOVE FLOOD PLAIN. SEE DETAILED NOTE 6 ON E-8.

11. MODIFY EXISTING MCC-CF AS SHOWN ON E-11.

12. MODIFY EXISTING MCC-SP AS SHOWN ON E-9.

13. SWITCHGEAR #1: POWER VAC GE VB4.16-250-3, INST. MAN. GEK39671, SERIAL #0315A1069-001-06, 4.76 kV, 1200A, 60 HZ, 29K AIC, 58 kA CLOSE & LATCH, 240 AC CLOSING, 340 DC TRIP, RATED VOLTAGE RANGE FACTOR 1.24.

14. SWITCHGEAR #2: POWER VAC GE VB4.16-250-3, INST. MAN. GEK39671, SERIAL #0315A1069-001-08, 4.76 kV, 1200A, 60 HZ, 29K AIC, 58 kA CLOSE & LATCH, 240 AC CLOSING, 340 DC TRIP, RATED VOLTAGE RANGE FACTOR 1.24.

15. SWITCHGEAR #4: POWER VAC GE VB1 4.16-250-3, INST. MAN. GEK86132, SERIAL #0357A7089-001, 4.76 kV, 1200A, 60 HZ, 29K AIC, 58 kA CLOSE & LATCH, 240 AC CLOSING, 340 DC TRIP, RATED VOLTAGE RANGE FACTOR 1.24.

16. GEORGIA POWER INFO (EXISTING LOADS): 4160V, 4687 kVA (PEAK), 1700 kVA / 1400 kW (AVERAGE); SHORTCIRCUIT: 3 PHASE SC = 5807A @ 4160V. PHASE-GROUND SC = 5915A @ 4160V.

17. FURNISH NEW AIR FILLED PRIMARY FUSED SWITCH FOR EXISTING TRANSFORMERS.

18. FURNISH AND INSTALL NEW TRANSFORMER WITH AIR FILLED PRIMARY FUSED SWITCH.

19. CIRCUIT BREAKER RELAY SETTINGS SHALL BE IN ACCORDANCE WITH APPROVED SHORTCIRCUIT/ COORDINATION STUDY AND THE FOLLOWING. CONTRACTOR SHALL MODIFY/SET BREAKERS AS REQUIRED TO PROVIDE OPTIMAL TRANSFORMER AND CABLE PROTECTION.

20. SECONDARY OVERCURRENT PROTECTION AT TRANSFORMER IS NOT REQUIRED PER 2002 NEC 450.3 AND 240.21(C)(4).

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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PROJ. CHECK: N. COOPER

SCALE: NONE

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

SINGLE LINE DIAGRAM 1
MAIN SINGLE LINE

ELECTRICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE EZETP007.dwg
SHEET E-7

PLOT DATE: July 31, 2014 @ 06:16:22 pm
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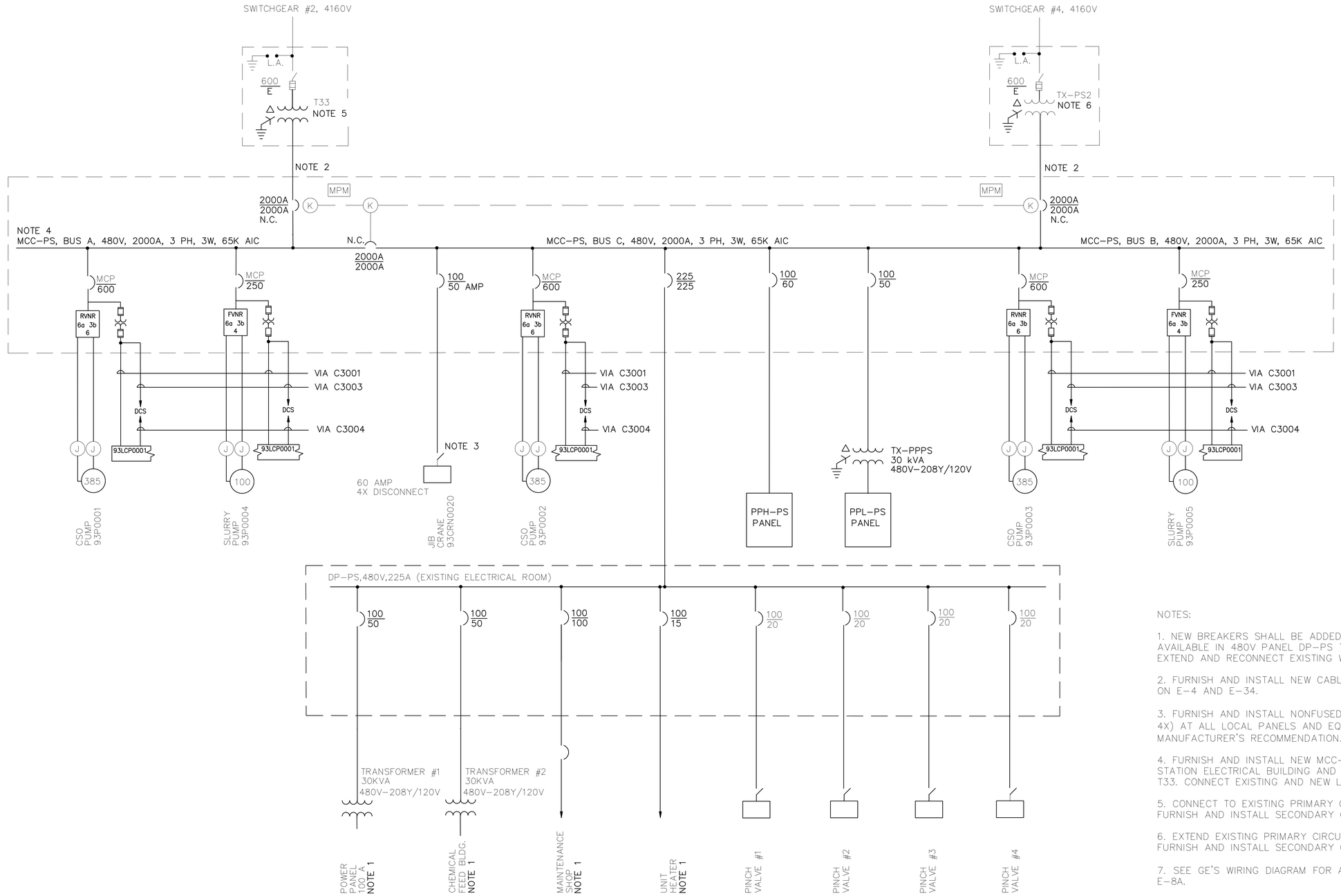

NOTES:

1. NEW BREAKERS SHALL BE ADDED TO EXISTING SPACES AVAILABLE IN 480V PANEL DP–PS TO FEED EXISTING LOADS. EXTEND AND RECONNECT EXISTING WIRING AS REQUIRED.

2. FURNISH AND INSTALL NEW CABLE IN NEW DUCT BANK SHOWN ON E–4 AND E–34.

3. FURNISH AND INSTALL NONFUSED DISCONNECTING SWITCH (NEMA 4X) AT ALL LOCAL PANELS AND EQUIPMENT PACKAGES. SIZE PER MANUFACTURER'S RECOMMENDATION.

4. FURNISH AND INSTALL NEW MCC–PS IN NEW TUNNEL PUMPING STATION ELECTRICAL BUILDING AND DUAL FEED FROM TX–PS2 AND T33. CONNECT EXISTING AND NEW LOADS AS SHOWN ON E–8.

5. CONNECT TO EXISTING PRIMARY CIRCUIT FROM SWITCHGEAR #2. FURNISH AND INSTALL SECONDARY CIRCUIT TO NEW FEED MCC–PS.

6. EXTEND EXISTING PRIMARY CIRCUIT TO ELEVATED TRANSFORMER. FURNISH AND INSTALL SECONDARY CIRCUIT TO FEED NEW MCC–PS.

7. SEE GE'S WIRING DIAGRAM FOR AS–BUILT CONDITIONS ON SHEET E–8A.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1–2008	MF	SJ	AS–BUILT DRAWING

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

SINGLE LINE DIAGRAM 2
TUNNEL PUMPING STATION ELECTRICAL BUILDING NEW MCC–PS

ELECTRICAL — NOVEMBER 2004

JOB	036202040
FILE NO.	
CADD FILE	EZETP008.dwg
SHEET	E–8

PLOT DATE: July 31, 2014 @ 06:16:53 pm

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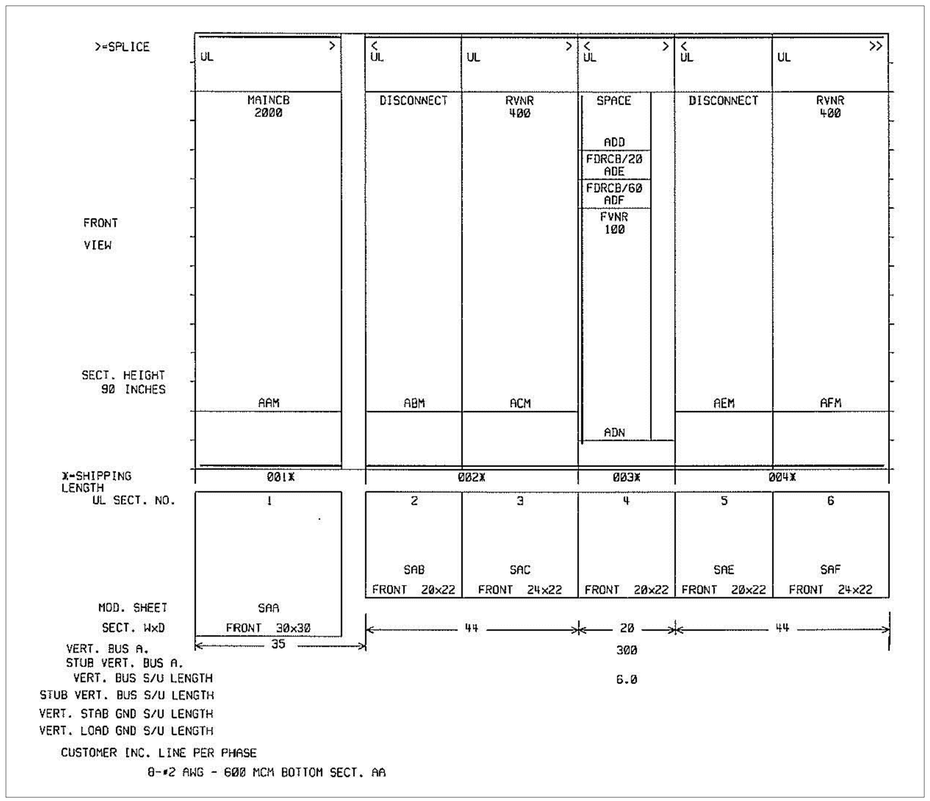

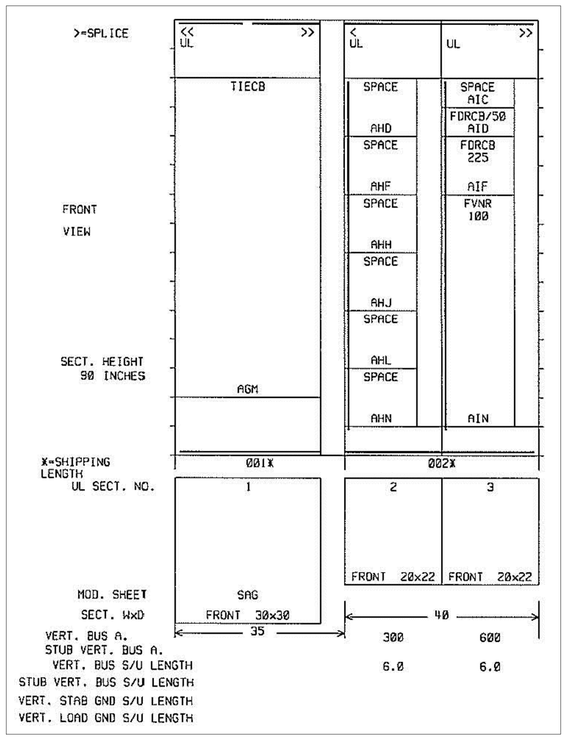

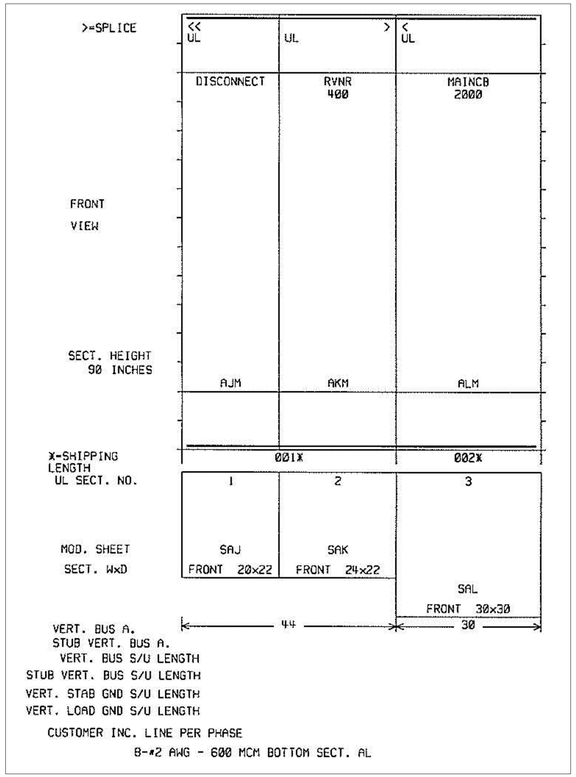

NOTES:

1. NEW BREAKERS SHALL BE ADDED TO EXISTING SPACES AVAILABLE IN 480V PANEL DP-PS TO FEED EXISTING LOADS. EXTEND AND RECONNECT EXISTING WIRING AS REQUIRED.

2. FURNISH AND INSTALL NEW CABLE IN NEW DUCT BANK SHOWN ON E-4 AND E-34.

3. FURNISH AND INSTALL NONFUSED DISCONNECTING SWITCH (NEMA 4X) AT ALL LOCAL PANELS AND EQUIPMENT PACKAGES. SIZE PER MANUFACTURER'S RECOMMENDATION.

4. FURNISH AND INSTALL NEW MCC-PS IN NEW TUNNEL PUMPING STATION ELECTRICAL BUILDING AND DUAL FEED FROM TX-PS2 AND T33. CONNECT EXISTING AND NEW LOADS AS SHOWN ON E-8.

5. CONNECT TO EXISTING PRIMARY CIRCUIT FROM SWITCHGEAR #2. FURNISH AND INSTALL SECONDARY CIRCUIT TO NEW FEED MCC-PS.

6. EXTEND EXISTING PRIMARY CIRCUIT TO ELEVATED TRANSFORMER. FURNISH AND INSTALL SECONDARY CIRCUIT TO FEED NEW MCC-PS.

AS-BUILT

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PROJ. CHECK: N. COOPER

SCALE: NONE

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

SINGLE LINE DIAGRAM 2
TUNNEL PUMPING STATION ELECTRICAL BUILDING NEW MCC-PS

ELECTRICAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE EZETP08A.dwg
SHEET E-8A

PLOT DATE: July 31, 2014 @ 06:17:28 pm
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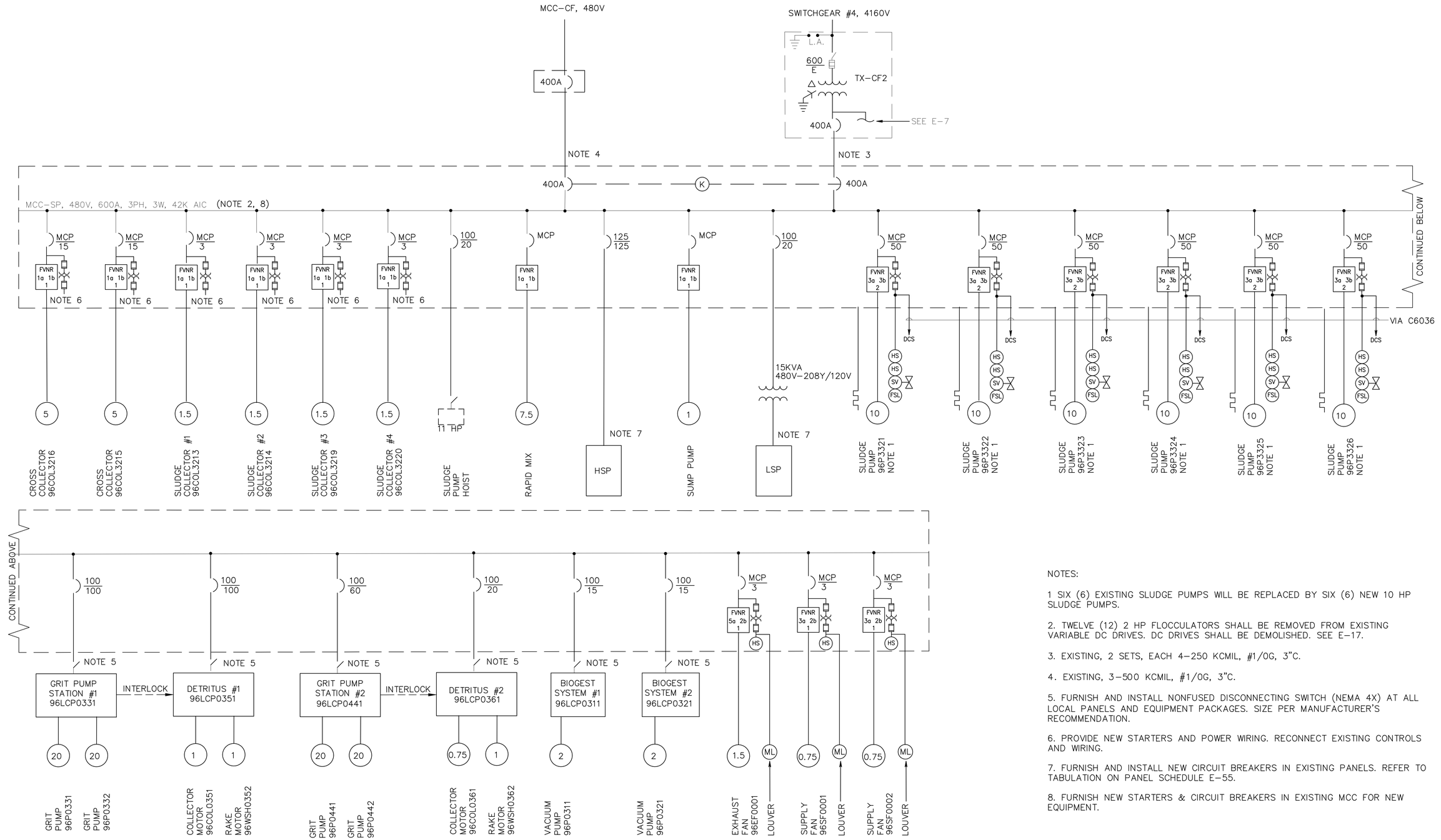

NOTES:

1 SIX (6) EXISTING SLUDGE PUMPS WILL BE REPLACED BY SIX (6) NEW 10 HP SLUDGE PUMPS.

2. TWELVE (12) 2 HP FLOCCULATORS SHALL BE REMOVED FROM EXISTING VARIABLE DC DRIVES. DC DRIVES SHALL BE DEMOLISHED. SEE E-17.

3. EXISTING, 2 SETS, EACH 4-250 KCMIL, #1/0G, 3"C.

4. EXISTING, 3-500 KCMIL, #1/0G, 3"C.

5. FURNISH AND INSTALL NONFUSED DISCONNECTING SWITCH (NEMA 4X) AT ALL LOCAL PANELS AND EQUIPMENT PACKAGES. SIZE PER MANUFACTURER'S RECOMMENDATION.

6. PROVIDE NEW STARTERS AND POWER WIRING. RECONNECT EXISTING CONTROLS AND WIRING.

7. FURNISH AND INSTALL NEW CIRCUIT BREAKERS IN EXISTING PANELS. REFER TO TABULATION ON PANEL SCHEDULE E-55.

8. FURNISH NEW STARTERS & CIRCUIT BREAKERS IN EXISTING MCC FOR NEW EQUIPMENT.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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PROJ. CHECK	N. COOPER
SCALE:	NONE

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

SINGLE LINE DIAGRAM 3
SLUDGE PUMPING STATION
EXISTING MCC-SP

ELECTRICAL NOVEMBER 2004

JOB	036202040
FILE NO.	
CADD FILE	EZETP009.dwg
SHEET	E-9

PLOT DATE: July 31, 2014 @ 06:17:51 pm

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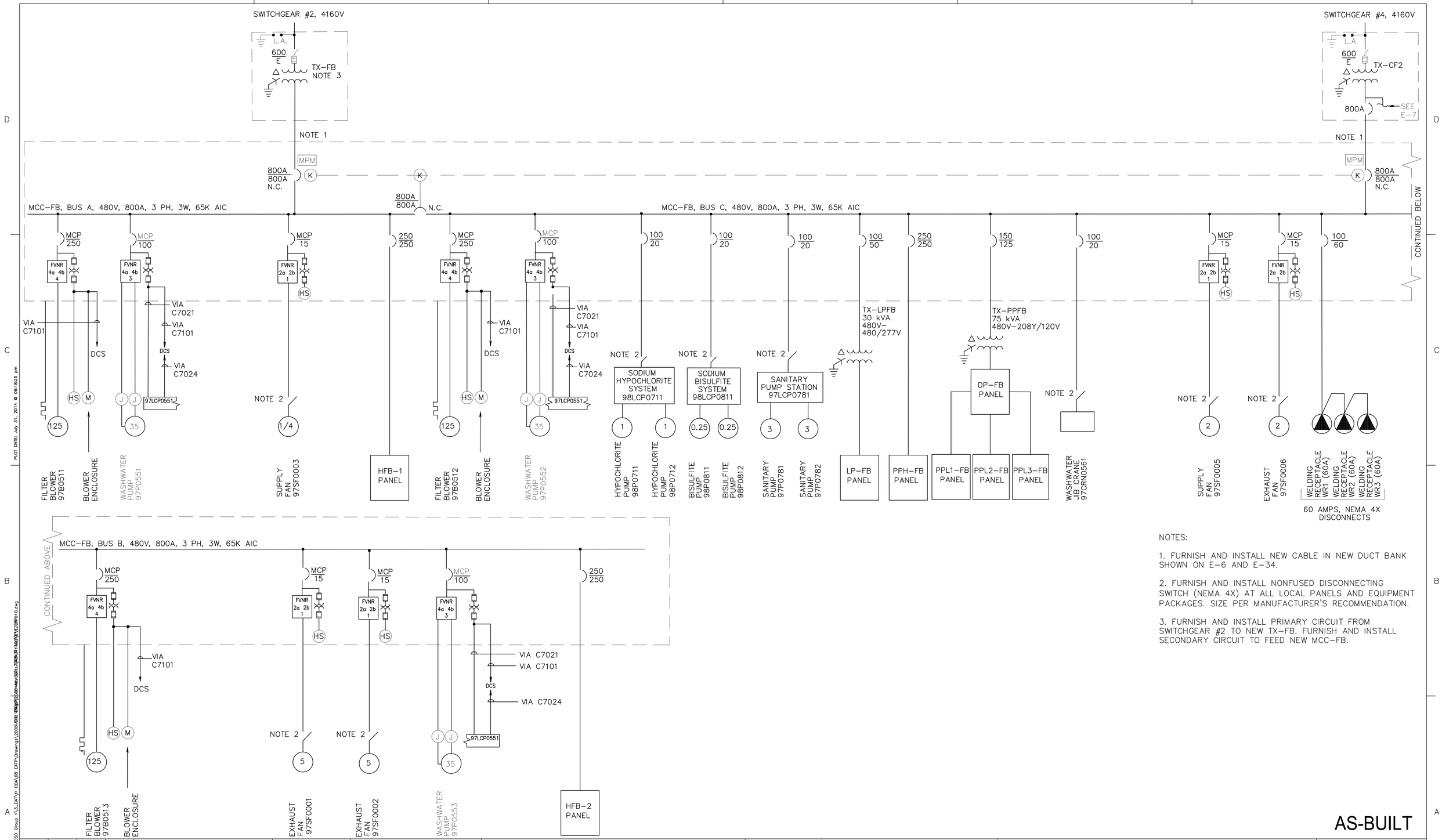

NOTES:

1. FURNISH AND INSTALL NEW CABLE IN NEW DUCT BANK SHOWN ON E–6 AND E–34.

2. FURNISH AND INSTALL NONFUSED DISCONNECTING SWITCH (NEMA 4X) AT ALL LOCAL PANELS AND EQUIPMENT PACKAGES. SIZE PER MANUFACTURER'S RECOMMENDATION.

3. FURNISH AND INSTALL PRIMARY CIRCUIT FROM SWITCHGEAR #2 TO NEW TX–FB. FURNISH AND INSTALL SECONDARY CIRCUIT TO FEED NEW MCC–FB.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1–2008	MF	SJ	AS–BUILT DRAWING

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SCALE: NONE

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

SINGLE LINE DIAGRAM 4
FILTER BUILDING
NEW MCC–FB

ELECTRICAL — NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE EZETP010.dwg
SHEET E–10

PLOT DATE: July 31, 2014 @ 06:18:23 pm
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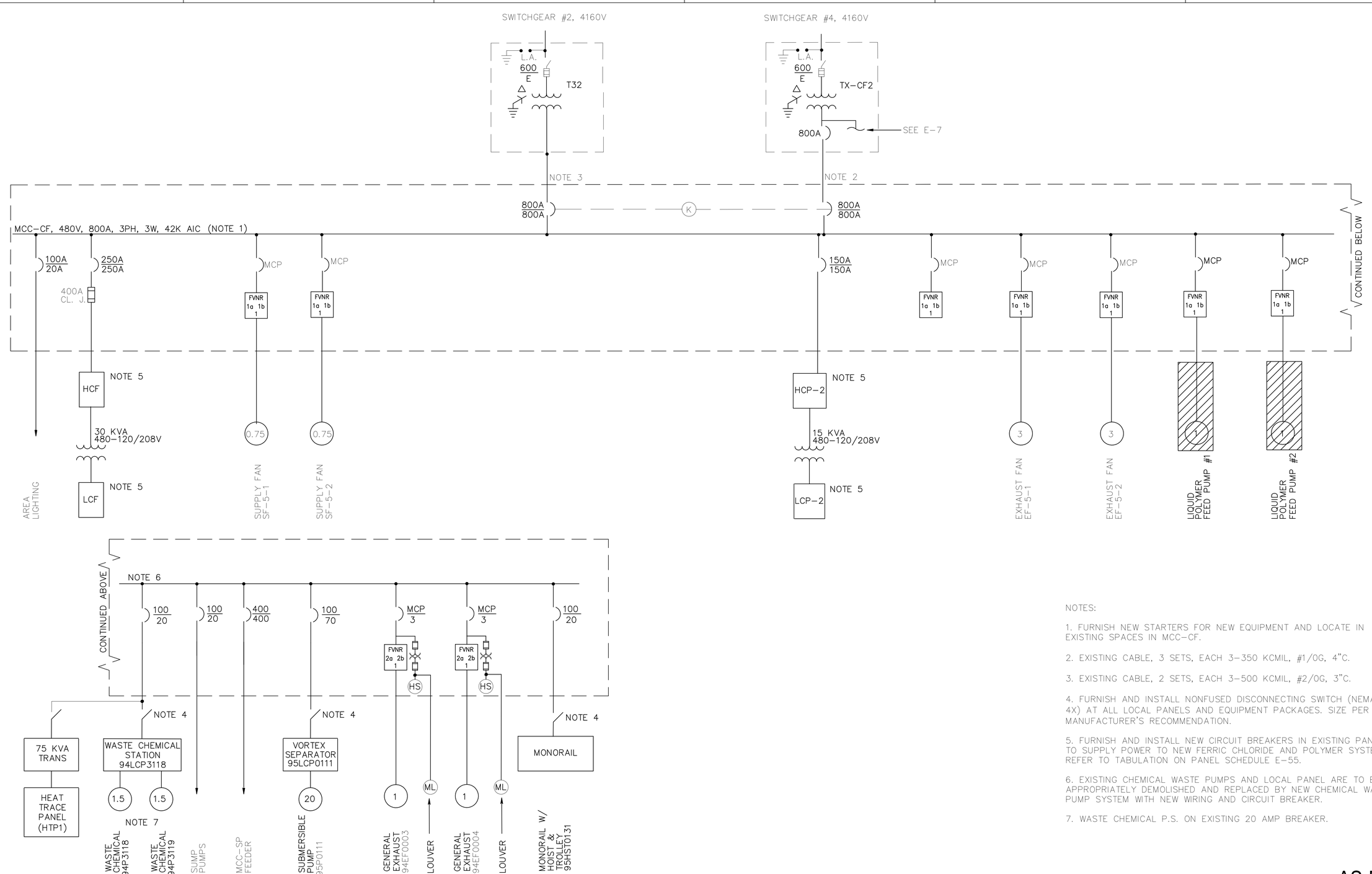

NOTES:

1. FURNISH NEW STARTERS FOR NEW EQUIPMENT AND LOCATE IN EXISTING SPACES IN MCC-CF.

2. EXISTING CABLE, 3 SETS, EACH 3-350 KCMIL, #1/0G, 4"C.

3. EXISTING CABLE, 2 SETS, EACH 3-500 KCMIL, #2/0G, 3"C.

4. FURNISH AND INSTALL NONFUSED DISCONNECTING SWITCH (NEMA 4X) AT ALL LOCAL PANELS AND EQUIPMENT PACKAGES. SIZE PER MANUFACTURER'S RECOMMENDATION.

5. FURNISH AND INSTALL NEW CIRCUIT BREAKERS IN EXISTING PANELS TO SUPPLY POWER TO NEW FERRIC CHLORIDE AND POLYMER SYSTEM. REFER TO TABULATION ON PANEL SCHEDULE E-55.

6. EXISTING CHEMICAL WASTE PUMPS AND LOCAL PANEL ARE TO BE APPROPRIATELY DEMOLISHED AND REPLACED BY NEW CHEMICAL WASTE PUMP SYSTEM WITH NEW WIRING AND CIRCUIT BREAKER.

7. WASTE CHEMICAL P.S. ON EXISTING 20 AMP BREAKER.

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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SCALE:	NONE

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

SINGLE LINE DIAGRAM 5
CHEMICAL BUILDING
EXISTING MCC-CF

ELECTRICAL NOVEMBER 2004

JOB	036202040
FILE NO.	
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SHEET	E-11

PLOT DATE: July 31, 2014 @ 06:24:46 pm

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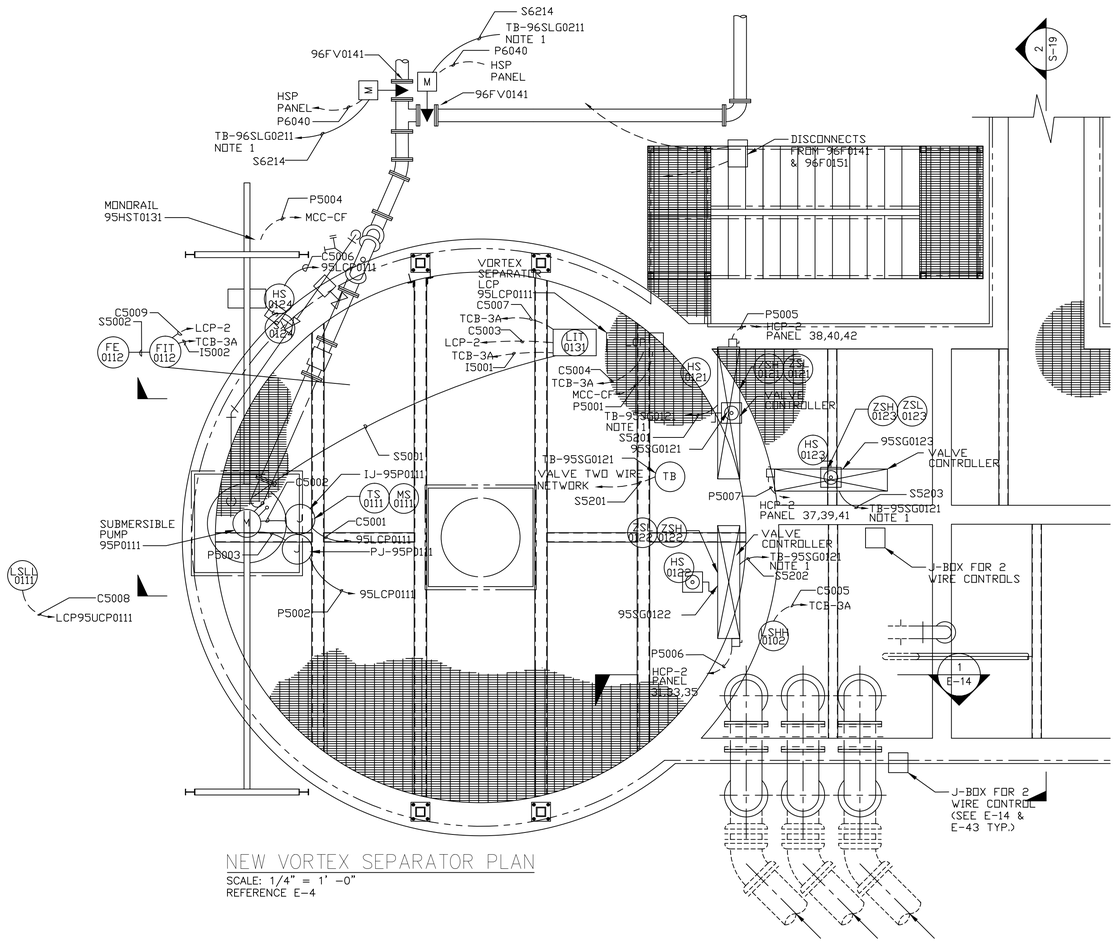
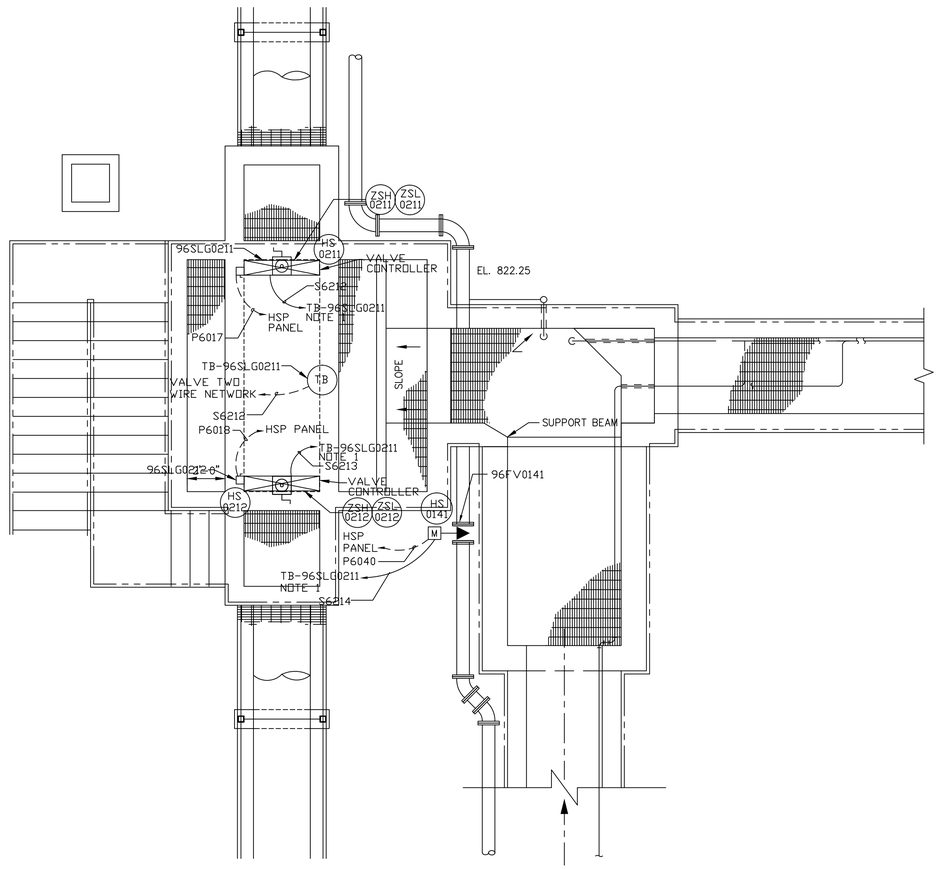
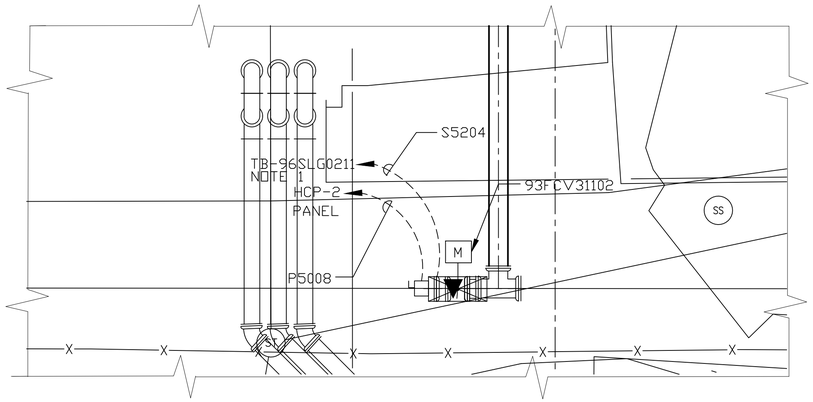


NEW VORTEX SEPARATOR PLAN
SCALE: 1/4" = 1' -0"
REFERENCE E-4



MODIFIED RAPID MIX PLAN
SCALE: 1/4" = 1'
REFERENCE E-16



MOTORIZED VALVE FCV31102 – PARTIAL PLAN
SCALE: 1-1/2" = 1' -0"
REFERENCE E-4

NOTES:

1. FOR VALVE 2 WIRE NETWORK WIRING SEE RISER DRAWING E-43.

REFERENCE DRAWINGS:

E-4 ELECTRICAL SITE PLAN 2-TUNNEL PUMPING STATION & CHEMICAL BUILDING
E-9 SINGLE LINE DIAGRAM 3-EXISTING MCC-SP
E-11 SINGLE LINE DIAGRAM 5-EXISTING MCC-CF
E-16 GRIT SETTLING BASINS POWER & CONTROL PLAN
E-17 SLUDGE PUMPING STATION POWER & CONTROL PLAN
E-24 CHEMICAL BUILDING ELECTRICAL ROOM POWER & CONTROL PLAN
E-46 CABLE SCHEDULE 2
E-47 CABLE SCHEDULE 3
E-55 PANEL SCHEDULE 2
E-58 CONTROL NETWORK PLAN
I-17 CONTROL SYSTEM ARCHITECTURE

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
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SCALE: AS NOTED

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

VORTEX SEPARATOR & RAPID MIX POWER & CONTROL PLAN

ELECTRICAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE EZETP015.dwg
SHEET E-15

PLOT DATE: July 31, 2014 @ 06:34:19 pm
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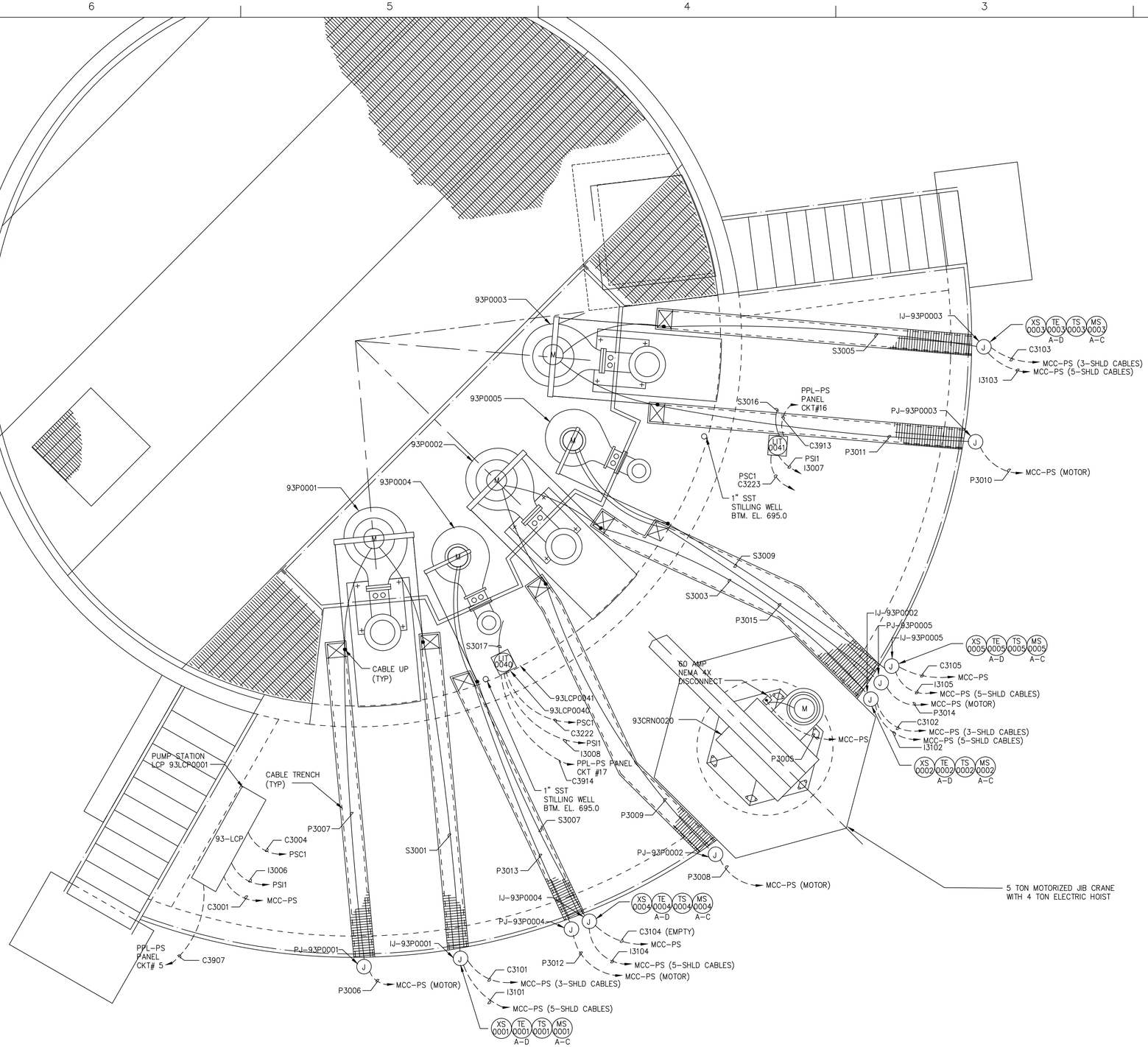

NOTES:

1. ALL CONDUITS TO ELECTRICAL BUILDING SHALL BE VIA DUCT BANK. SEE E-4.

2. INCLUDE 2-3" SPARE CONDUITS IN DUCT BANK BETWEEN ELECTRICAL BUILDING AND PUMP STATION.

REFERENCE DRAWINGS

E-4 ELECTRICAL SITE PLAN 2-TUNNEL PUMPING STATION & CHEMICAL BUILDING
E-8 SINGLE LINE DIAGRAM-NEW MCC-PS
E-13 TUNNEL PUMPING STATION ELECTRICAL BUILDING POWER & CONTROL PLAN
E-45 CABLE SCHEDULE 1
E-46 CABLE SCHEDULE 2
E-55 PANEL SCHEDULE 2
E-58 CONTROL NETWORK PLAN
I-17 CONTROL SYSTEM ARCHITECTURE

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
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PROJ. CHECK N. COOPER

SCALE: 3/8"=1'-0" (0 2 4 6 8 FEET)

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

TUNNEL PUMPING STATION POWER & CONTROL PLAN

ELECTRICAL NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE EZETP012.dwg

SHEET E-12

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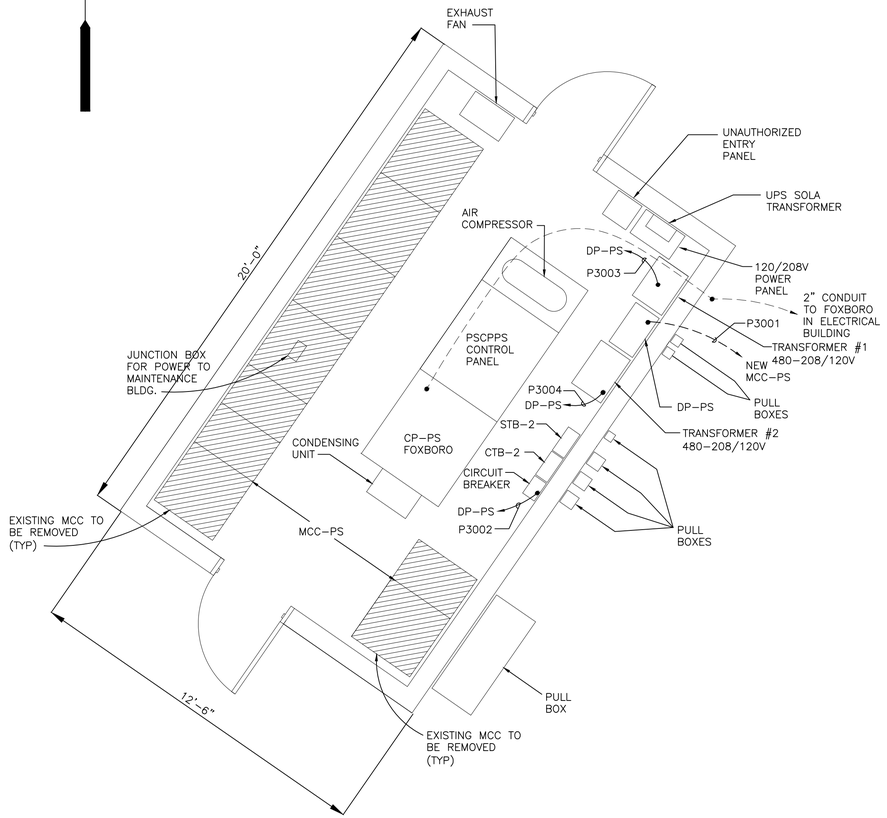
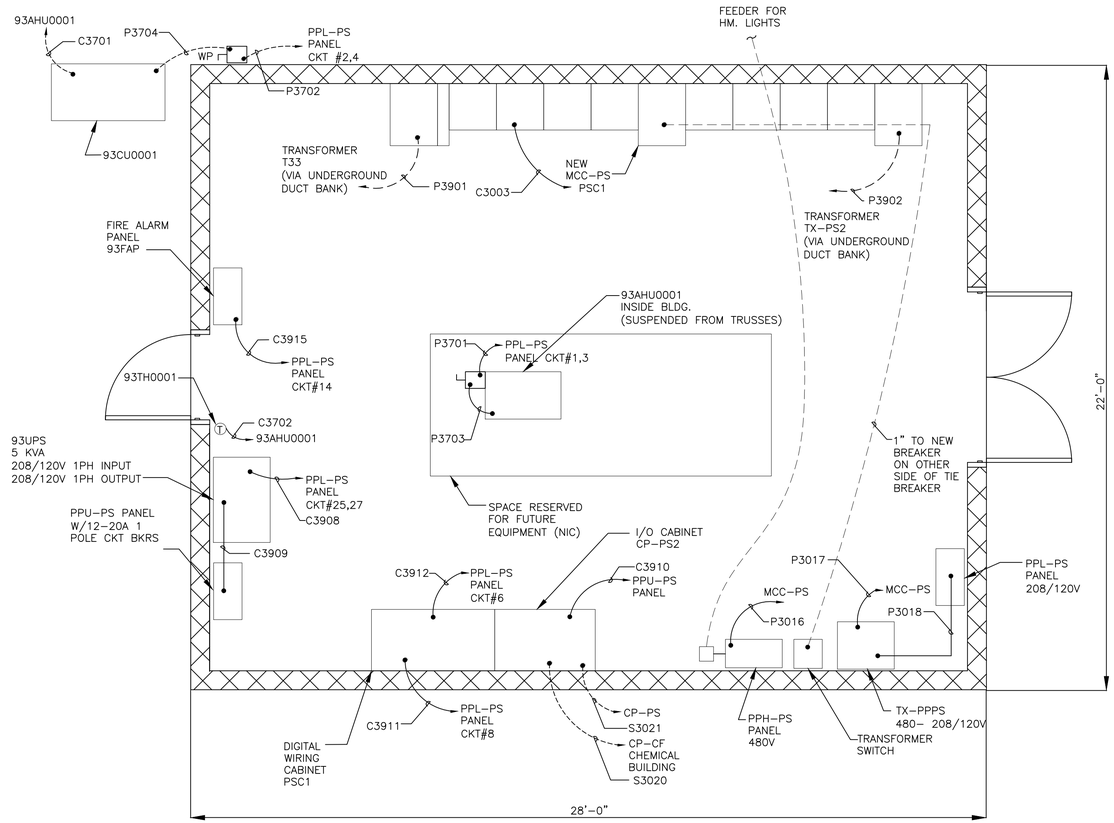


EXISTING ELECTRICAL BUILDING PLAN

NOTES:

1. FOR NEW ELECTRIC POWER AND SIGNAL DUCT BANKS SEE E-4.

2. FOR DETAILS OF CONTROL I/A NETWORK SEE SITE PLAN E-58 AND CONTROL SYSTEM ARCHITECTURE NETWORK DRAWING I-17.



NEW ELECTRICAL BUILDING PLAN

REFERENCE DRAWINGS:

E-4 ELECTRICAL SITE PLAN 2-TUNNEL PUMPING STATION & CHEMICAL BUILDING
E-8 SINGLE LINE DIAGRAM 2-NEW MCC-PS
E-26 TUNNEL PUMPING STATION ELECTRICAL BUILDING-LIGHTING & GROUNDING PLAN
E-30 TUNNEL PUMPING STATION ELECTRICAL BUILDING-FIRE ALARM & COMMUNICATION PLAN
E-45 CABLE SCHEDULE 1
E-46 CABLE SCHEDULE 2
E-55 PANEL SCHEDULE 2
E-58 CONTROL NETWORK PLAN
I-17 CONTROL SYSTEM ARCHITECTURE

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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PROJ. CHECK N. COOPER

SCALE: 3/8"=1'-0" (0 2 4 6 8 SCALE FEET)

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

TUNNEL PUMPING STATION ELECTRICAL BUILDINGS POWER & CONTROL PLAN

ELECTRICAL NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE EZETP013.dwg

SHEET E-13

PLOT DATE: July 31, 2014 @ 06:26:49 pm

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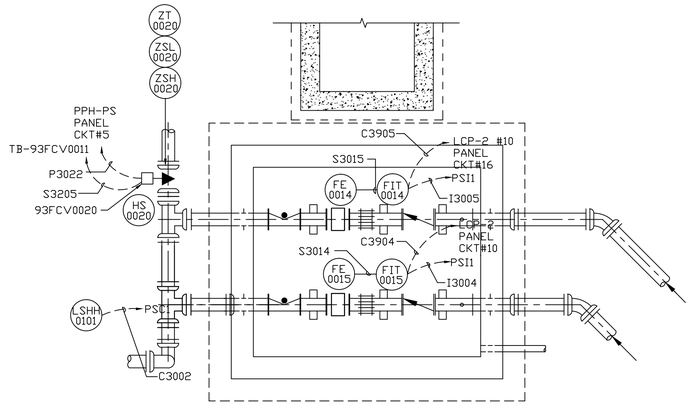
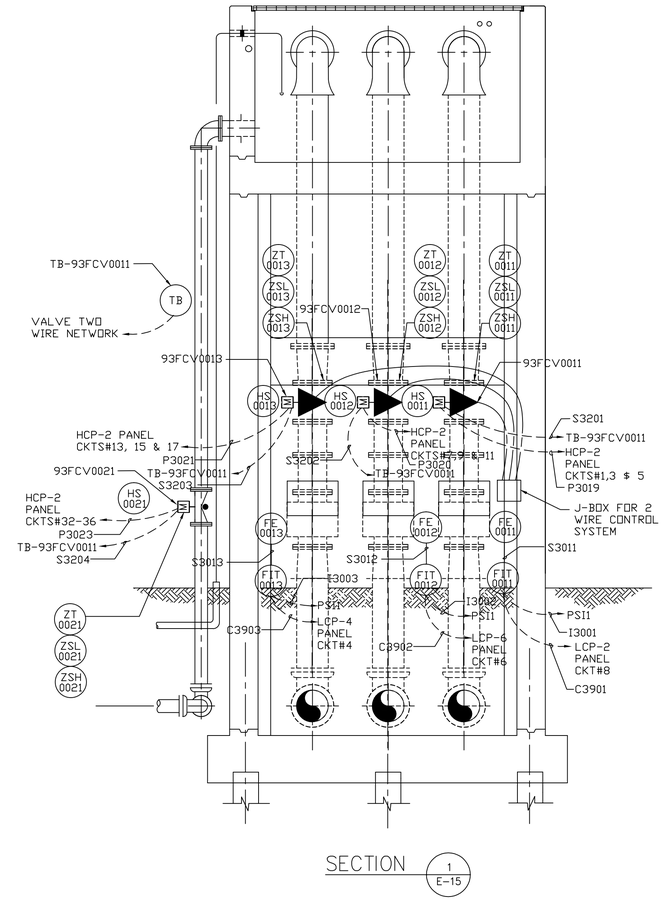


NEW VALVE & METER VAULT



SECTION 1 / E-15

NOTES:

1. FOR VALVE 2 WIRE NETWORK WIRING SEE RISER DRAWING E-43.

REFERENCE DRAWINGS:

E-4 ELECTRICAL SITE PLAN 2-TUNNEL PUMPING STATION & CHEMICAL BUILDING
E-8 SINGLE LINE DIAGRAM 2-NEW MCC-PS
E-13 TUNNEL PUMPING STATION ELECTRICAL BUILDINGS POWER & CONTROL PLAN
E-43 VALVE TWO WIRE NETWORK RISER
E-45 CABLE SCHEDULE 1
E-46 CABLE SCHEDULE 2
E-55 PANEL SCHEDULE 2
E-58 CONTROL NETWORK PLAN
I-17 CONTROL SYSTEM ARCHITECTURE

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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DRAWN BY R. HERRERA

DEPT. CHECK R. WEBER

PROJ. CHECK N. COOPER

SCALE: 1/4"=1'-0" (0 4 8 12 FEET)

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

HEADBOX & VALVE & METER VAULT POWER & CONTROL PLAN

ELECTRICAL NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE EZETP014.dwg

SHEET E-14

PLOT DATE: July 31, 2014 @ 06:31:18 pm

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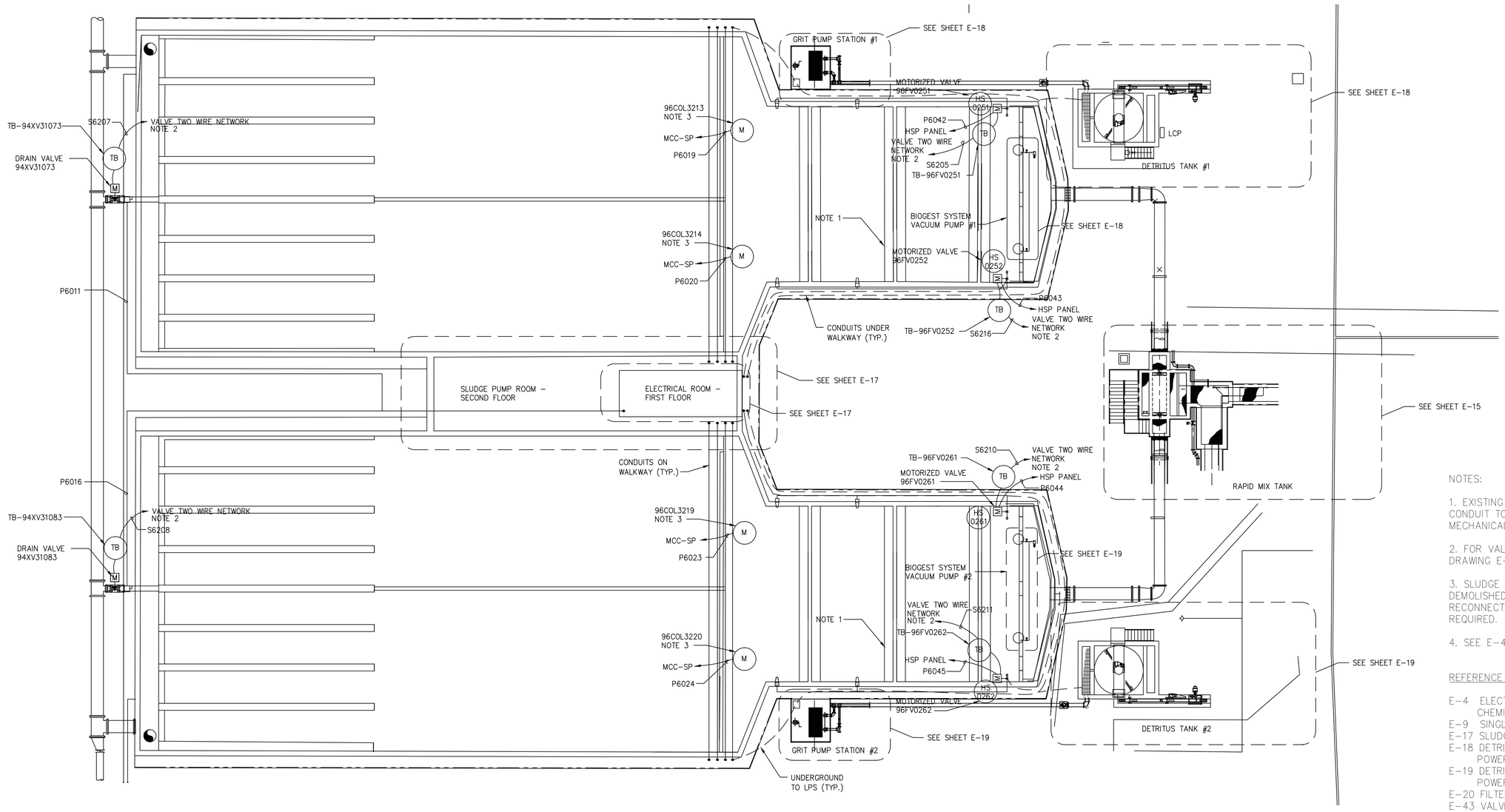

NOTES:

1. EXISTING TWELVE FLOCCULATORS, 2 HP MOTORS, AND CONDUIT TO BE REMOVED. FOR FLOCCULATOR LOCATION, SEE MECHANICAL DRAWINGS M-18 AND M-19.

2. FOR VALVE TWO WIRE COMMUNICATION WIRING SEE RISER DRAWING E-43.

3. SLUDGE COLLECTOR MOTORS SHALL BE APPROPRIATELY DEMOLISHED AND REPLACED WITH NEW MOTORS. REPLACE AND RECONNECT EXISTING POWER AND CONTROL WIRING AS REQUIRED.

4. SEE E-43 FOR 2 WIRE NETWORK WIRING SCHEMATIC.

REFERENCE DRAWINGS:

E-4 ELECTRICAL SITE PLAN 2-TUNNEL PUMPING STATION & CHEMICAL BUILDING
E-9 SINGLE LINE DIAGRAM 3- EXISTING MCC-SP
E-17 SLUDGE PUMPING STATION POWER & CONTROL PLAN
E-18 DETRITUS TANK & GRIT PUMPING STATION-NORTH POWER & CONTROL PLAN
E-19 DETRITUS TANK & GRIT PUMPING STATION-SOUTH POWER & CONTROL PLAN
E-20 FILTER BUILDING POWER & CONTROL PLAN 1
E-43 VALVE TWO WIRE NETWORK RISER DIAGRAMS
E-48 CABLE SCHEDULE 4
E-49 CABLE SCHEDULE 5
E-55 PANEL SCHEDULE 2
E-58 CONTROL NETWORK PLAN
I-17 CONTROL SYSTEM ARCHITECTURE

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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City of Atlanta
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SKING & Associates, Inc. ENGINEERS PLANNERS MANAGERS

REG. PROF. ENGR. DATE

REG. PROF. ENGR. DATE

DRAWN BY: R. HERRERA
DEPT. CHECK: R. WEBER
PROJ. CHECK: N. COOPER

SCALE: 1/16"=1'-0" (0, 16, 32, 48 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

GRIT SETTLING BASINS
POWER & CONTROL PLANS

ELECTRICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE EZETP016.dwg
SHEET E-16

PLOT DATE: July 31, 2014 @ 06:45:28 pm
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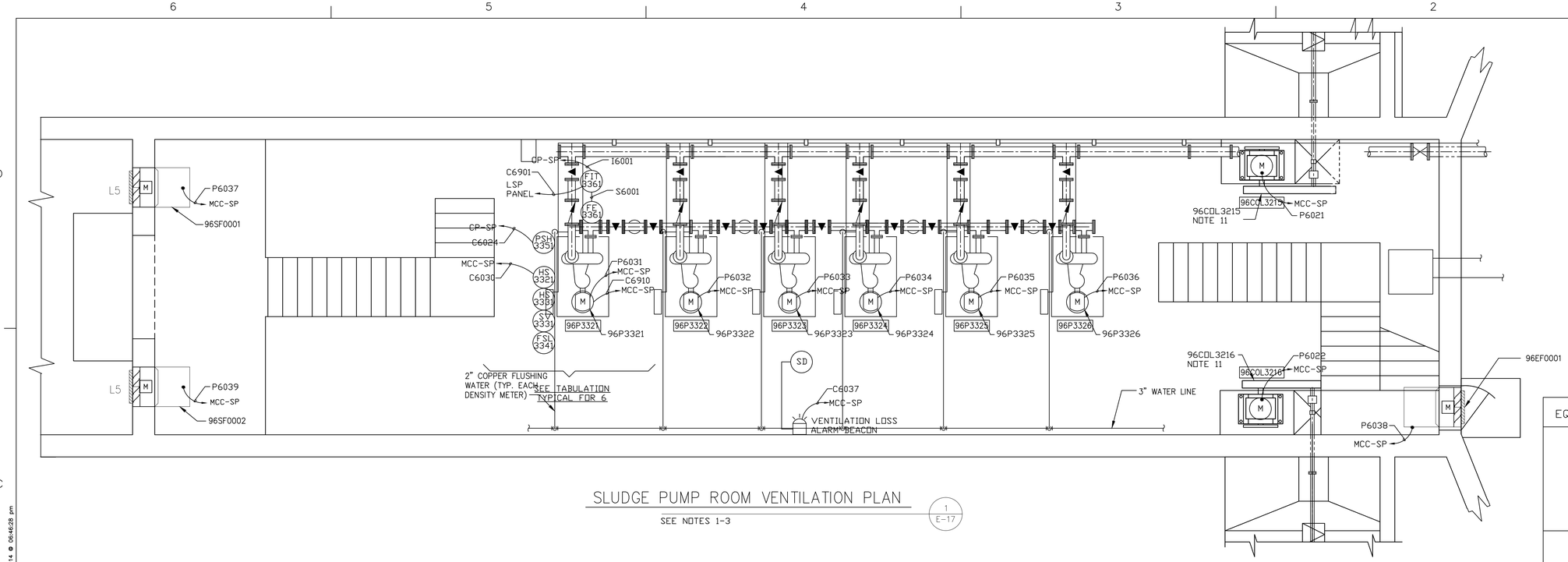
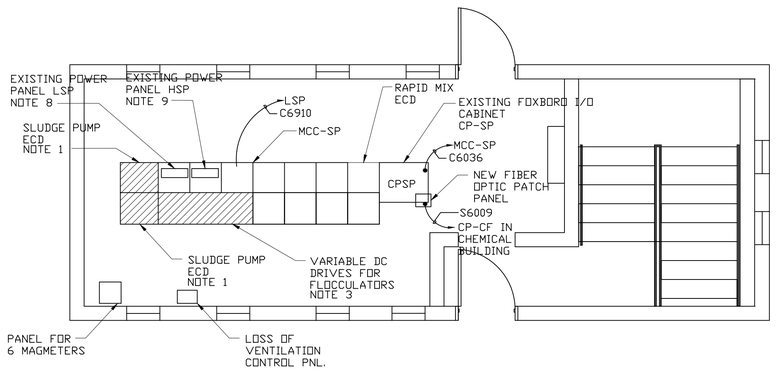


SLUDGE PUMP ROOM VENTILATION PLAN

SEE NOTES 1-3

1 / E-17



SLUDGE PUMPING STATION ELECTRICAL ROOM

SEE NOTES 1-3

2 / E-17

NOTES:

1. SLUDGE PUMP EDDY CURRENT DRIVE CABINETS SHALL BE DEMOLISHED.

2. RAPID MIX EDDY CURRENT DRIVE SHALL BE DEMOLISHED.

3. VARIABLE DC DRIVE CABINETS FOR FLOCCULATORS SHALL BE DEMOLISHED. ELECTRICAL WIRING/CONDUITS ASSOCIATED WITH FLOCCULATORS SHALL ALSO BE REMOVED.

4. EXISTING MCC-SP SHALL REMAIN, MODIFY PER E-9.

5. FOR DETAILS OF I/A NETWORK SEE SITE PLAN E-58 AND I&C NETWORK DRAWING I-17.

6. EXISTING SLUDGE PUMPS TO BE DEMOLISHED. SEE MECHANICAL DRAWINGS M-27 AND M-28.

7. SIX NEW SLUDGE PUMPS TO BE INSTALLED PER MECHANICAL DRAWING M-29.

8. FOR NEW POWER CIRCUITS TO BE ADDED TO EXISTING 208/120V. 3 PHASE POWER PANEL LSP SEE DRAWING E-55.

9. FOR NEW POWER CIRCUITS TO BE ADDED TO EXISTING 480V. 3 PHASE POWER PANEL HSP SEE DRAWING E-55.

10. FURNISH AND INSTALL SMOKE DETECTOR & ALARM BEACON.

11. CROSS COLLECTOR MOTORS SHALL BE APPROPRIATELY DEMOLISHED AND REPLACED WITH NEW DRIVING MECHANISM. REPLACE AND RECONNECT EXISTING POWER AND CONTROL WIRING AS REQUIRED.

REFERENCE DRAWINGS

E-4 ELECTRICAL SITE PLAN 2-TUNNEL PUMPING STATION & CHEMICAL BUILDING
E-9 SINGLE LINE DIAGRAM 3-EXISTING MCC-SP
E-16 GRIT SETTLING BASINS POWER & CONTROL PLAN
E-48 CABLE SCHEDULE 4
E-49 CABLE SCHEDULE 5
E-55 PANEL SCHEDULE 2
E-58 CONTROL NETWORK PLAN
I-17 CONTROL SYSTEM ARCHITECTURE

EQUIPMENT TAG	DEVICE TAG	CABLE
96P3321	FIT 3361	C6901, I6001
	FE 3361	S6001
	PSH 3351	C6024
	SV 3331	C6030
	FSL 3341	C6030
	HS 3321	C6030
	HS 3331	C6030
96P3322	FIT 3362	C6902, I6002
	FE 3362	S6002
	PSH 3352	C6025
	SV 3332	C6031
	FSL 3342	C6031
	HS 3322	C6031
	HS 3332	C6031
96P3323	FIT 3363	C6903, I6003
	FE 3363	S6003
	PSH 3353	C6026
	SV 3333	C6032
	FSL 3343	C6032
	HS 3323	C6032
	HS 3333	C6032
96P3324	FIT 3364	C6904, I6004
	FE 3364	S6004
	PSH 3354	C6027
	SV 3334	C6033
	FSL 3344	C6033
	HS 3324	C6033
	HS 3334	C6033
96P3325	FIT 3365	C6905, I6005
	FE 3365	S6005
	PSH 3355	C6028
	SV 3335	C6034
	FSL 3345	C6034
	HS 3325	C6034
	HS 3335	C6034
96P3326	FIT 3366	C6906, I6006
	FE 3366	S6006
	PSH 3356	C6029
	SV 3336	C6035
	FSL 3346	C6035
	HS 3326	C6035
	HS 3336	C6035

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. DATE

DRAWN BY: R. HERRERA
DEPT. CHECK: R. WEBER
PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

SLUDGE PUMPING STATION
POWER & CONTROL PLAN
ELECTRICAL
NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE EZETP017.dwg
SHEET E-17

PLOT DATE: July 31, 2014 @ 06:46:28 pm
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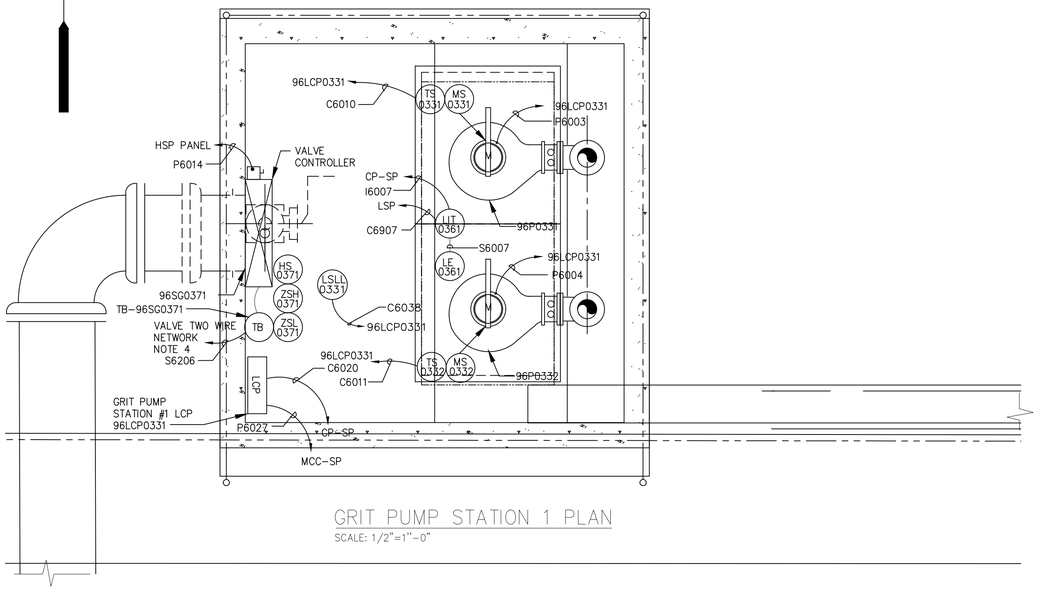
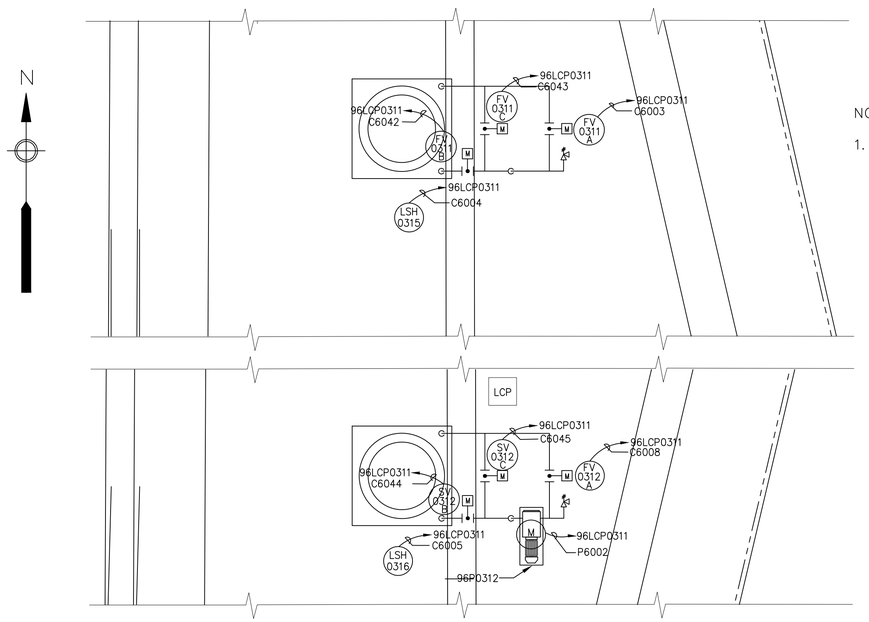


GRIT PUMP STATION 1 PLAN

SCALE: 1/2"=1"-0"

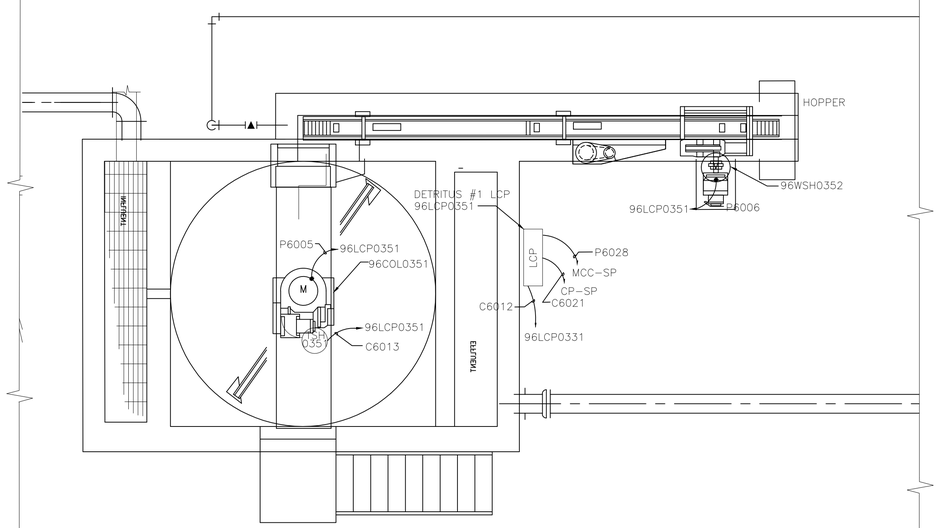


BIOGEST SYSTEM - VACUUM PUMP 1 PLAN

SCALE: 3/8"=1"-0"

NOTES:

1. ALL CONTROL VALVES FOR BOTH PASSES LOCATED ON BACKER BOARD (PANEL) NEXT TO LCP1.



DETRITUS TANK 1 PLAN

SCALE: 1/4"=1"-0"

NOTES:

1. FURNISH AND INSTALL NEW CABLE IN NEW DUCT BANK SHOWN ON E-6 AND E-34.

2. FURNISH AND INSTALL NONFUSED DISCONNECTING SWITCH (NEMA 4X) AT ALL LOCAL PANELS AND EQUIPMENT PACKAGES. SIZE PER MANUFACTURER'S RECOMMENDATION.

3. FURNISH AND INSTALL PRIMARY CIRCUIT FROM SWITCHGEAR #2 TO NEW TX-FB. FURNISH AND INSTALL SECONDARY CIRCUIT TO FEED NEW MCC-FB.

4. FOR VALVE 2 WIRE NETWORK WIRING SEE RISER DRAWING E-43.

REFERENCE DRAWINGS

E-4 ELECTRICAL SITE PLAN 2-TUNNEL PUMPING STATION & CHEMICAL BUILDING
E-9 SINGLE LINE DIAGRAM 3-EXISTING MCC-SP
E-16 GRIT SETTLING BASINS POWER & CONTROL PLAN
E-17 SLUDGE PUMPING STATION POWER & CONTROL PLAN
E-48 CABLE SCHEDULE 4
E-49 CABLE SCHEDULE 5
E-55 PANEL SCHEDULE 2
E-58 CONTROL NETWORK PLAN
I-17 CONTROL SYSTEM ARCHITECTURE

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. DATE

REG. PROF. ENGR. DATE

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DEPT. CHECK	R. WEBER
PROJ. CHECK	N. COOPER

SCALE: AS NOTED

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

DETRITUS TANK & GRIT PUMPING STATION-NORTH POWER & CONTROL PLAN

ELECTRICAL NOVEMBER 2004

JOB	036202040
FILE NO.	
CADD FILE	EZETP018.dwg
SHEET	E-18

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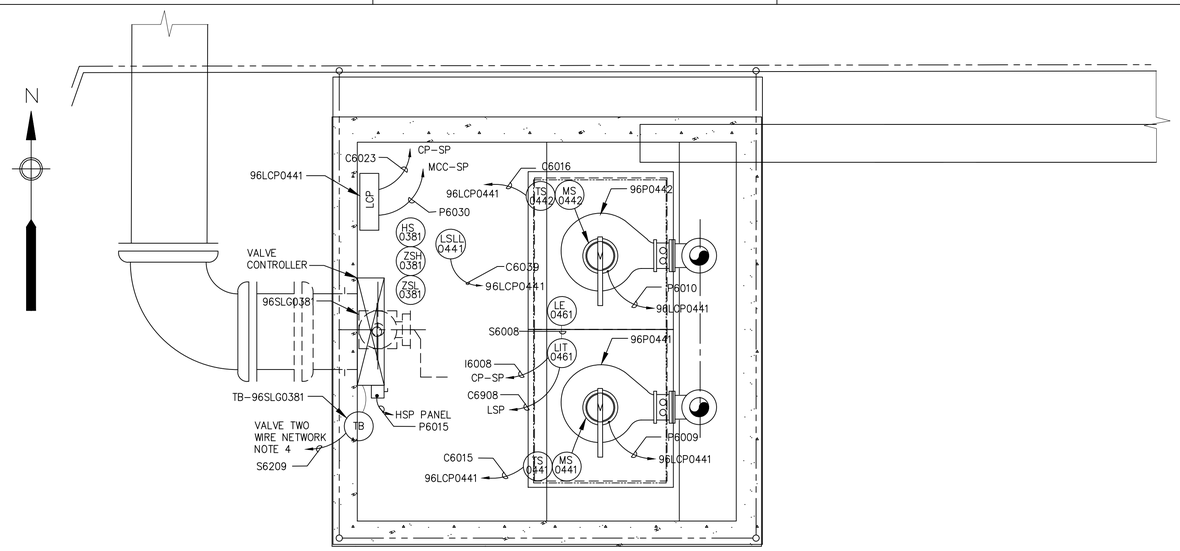
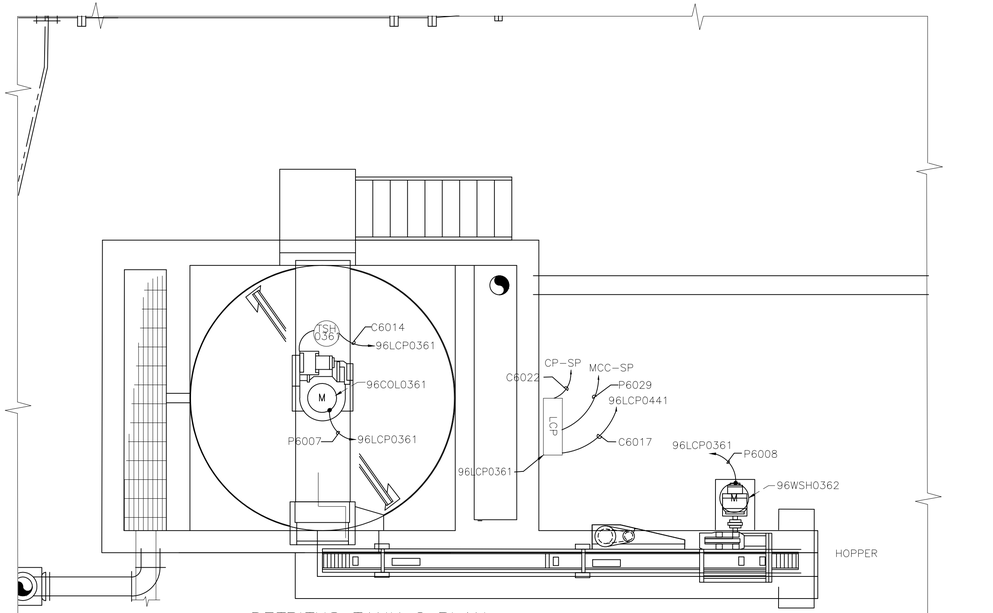


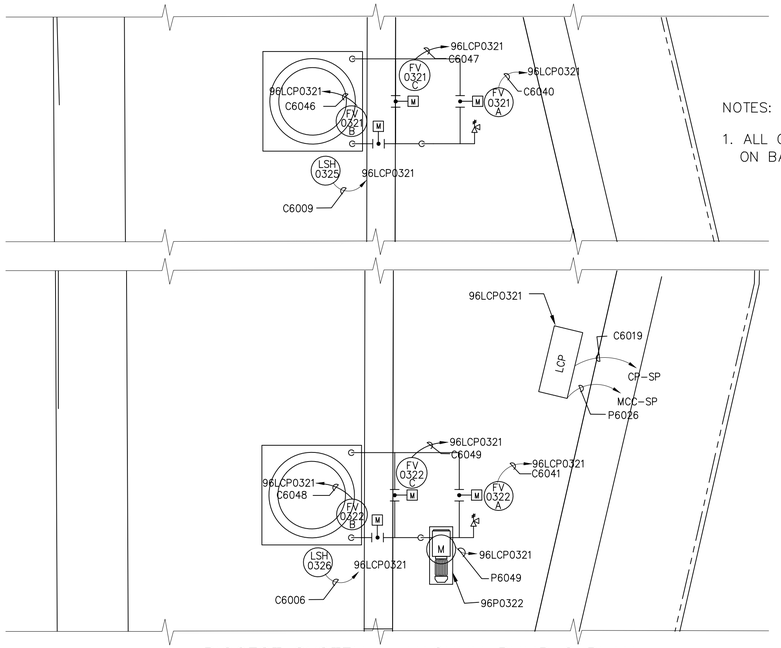
GRIT PUMP STATION 2 PLAN

SCALE: 1/2"=1"-0"



DETRITUS TANK 2 PLAN

SCALE: 1/4"=1"-0"



NOTES:

1. ALL CONTROL VALVES FOR BOTH PASSES LOCATED ON BACKER BOARD (PANEL) NEXT TO LCP2.

BIOGEST SYSTEM - VACUUM PUMP 2 PLAN

SCALE: 3/8"=1"-0"

NOTES:

1. FURNISH AND INSTALL NEW CABLE IN NEW DUCT BANK SHOWN ON E-6 AND E-34.

2. FURNISH AND INSTALL NONFUSED DISCONNECTING SWITCH (NEMA 4X) AT ALL LOCAL PANELS AND EQUIPMENT PACKAGES. SIZE PER MANUFACTURER'S RECOMMENDATION.

3. FURNISH AND INSTALL PRIMARY CIRCUIT FROM SWITCHGEAR #2 TO NEW TX-FB. FURNISH AND INSTALL SECONDARY CIRCUIT TO FEED NEW MCC-FB.

4. FOR VALVE 2 WIRE NETWORK WIRING SEE RISER DRAWING E-43.

REFERENCE DRAWINGS

E-4 ELECTRICAL SITE PLAN 2-TUNNEL PUMPING STATION & CHEMICAL BUILDING
E-9 SINGLE LINE DIAGRAM 3-EXISTING MCC-SP
E-16 GRIT SETTLING BASINS POWER & CONTROL PLAN
E-17 SLUDGE PUMPING STATION POWER & CONTROL PLAN
E-48 CABLE SCHEDULE 4
E-49 CABLE SCHEDULE 5
E-55 PANEL SCHEDULE 2
E-58 CONTROL NETWORK PLAN
I-17 CONTROL SYSTEM ARCHITECTURE

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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REG. PROF. ENGR. DATE

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DEPT. CHECK	R. WEBER
PROJ. CHECK	N. COOPER

SCALE: AS NOTED

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

DETRITUS TANK & GRIT PUMPING STATION-SOUTH POWER & CONTROL PLAN

ELECTRICAL NOVEMBER 2004

JOB	036202040
FILE NO.	
CADD FILE	EZETP019.dwg
SHEET	E-19

PLOT DATE: July 31, 2014 @ 06:50:08 pm
PATH/FILENAME: G:\Wem\GA&PA134 - CSO Group 1\3_DATA\Cr COA\GA EATP\Drawings\2008 AS-Built\EZETP019.dwg

NOTES:

1. POWER AND CONTROL DETAILS SHOWN ON FILTER #7 ARE TYPICAL FOR ALL 12 FILTERS. CONDUITS/CABLES ARE TAGGED WITH THE FOLLOWING CRITERIA: ABCD
A=P(POWER),C(CONTROL), I(INSTRUMENTATION) OR S(SIGNAL)
B=7 (AREA NUMBER 97)
C=01–12 (NUMBER OF FILTER)
D=00–99 (CONSECUTIVE NUMBERS FOR CONDUITS/CABLES)

2. FOR VALVE 2 WIRE NETWORKING TO MASTERSTATIONS REFER TO RISER DIAGRAM E–43.

3. SCALE OF DRAWING NOT SAME AS E–21.

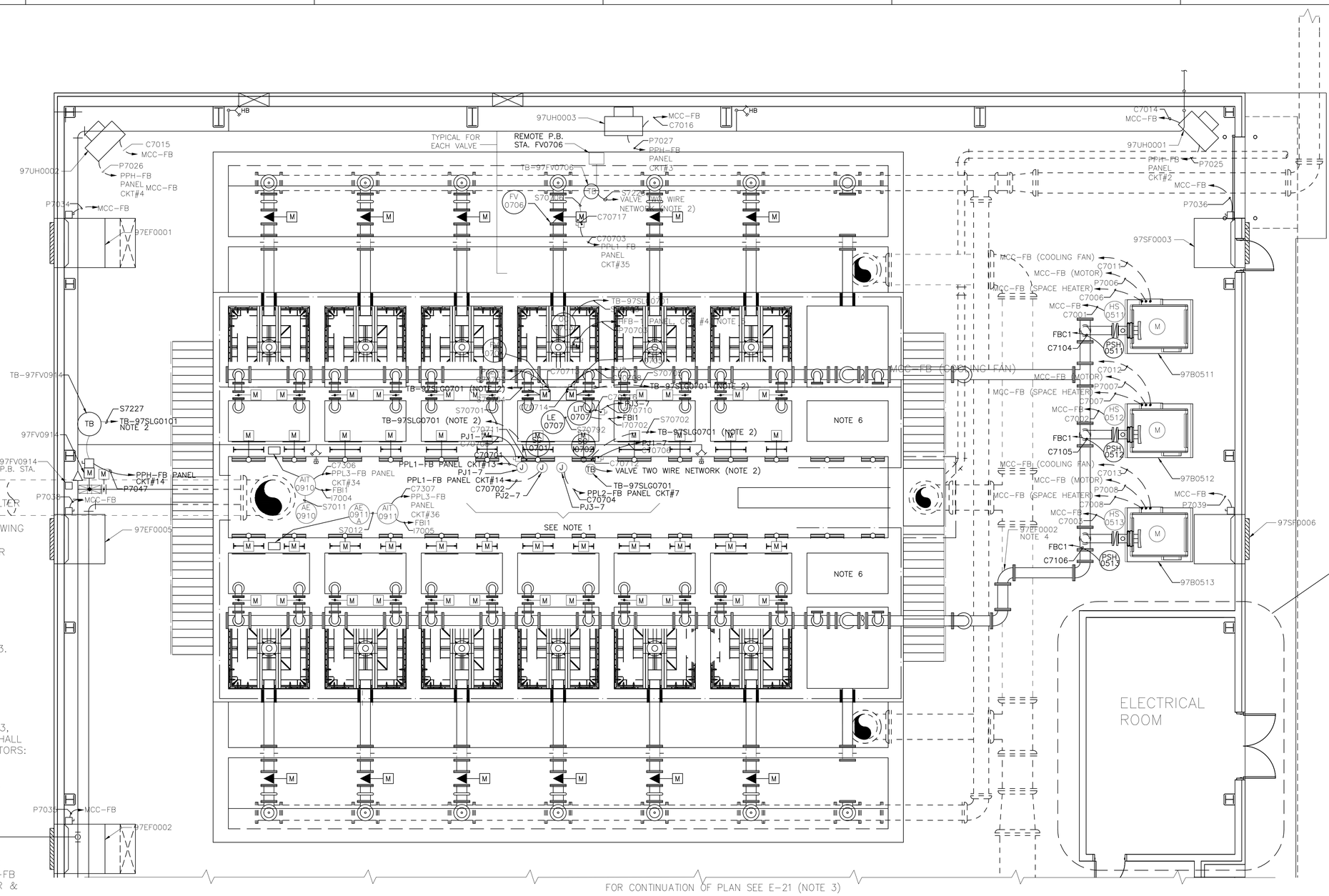
4. BUILDING CLASSIFICATION – CORROSIVE ENVIRONMENT.

5. ELECTRICAL ACTUATORS: 970C0103, 970C0303, 970C0503, 970C0703, 970C0903, 970C1103 SHALL BE POWERED FROM HFB–1 . ELECTRICAL ACTUATORS: 970C0203, 970C0403, 970C0603, 970C0803, 970C1003, 970C1203 SHALL BE POWERED BY HFB–2. SEE PANEL SCHEDULES ON DWG. E–55.

6. INSTALL CONDUITS FOR FUTURE CELLS.

REFERENCE DRAWINGS:

E–6 ELECTRICAL SITE PLAN 3–FILTER BUILDING
E–10 SINGLE LINE DIAGRAM 4–NEW MCC–FB
E–22 FILTER BUILDING ELECTRICAL ROOM POWER & CONTROL PLAN
E–32 FILTER BUILDING–FIRE ALARM & COMMUNICATION PLAN 2
E–42 FIRE ALARM & COMMUNICATION RISER DIAGRAMS
E–43 VALVE TWO WIRE NETWORK RISER DIAGRAMS
E–50 CABLE SCHEDULE 6
E–51 CABLE SCHEDULE 7
E–52 CABLE SCHEDULE 8
E–54 PANEL SCHEDULE 1
E–58 CONTROL NETWORK PLAN
I–17 CONTROL SYSTEM ARCHITECTURE



FOR CONTINUATION OF PLAN SEE E–21 (NOTE 3)

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1–2008	MF	SJ	AS–BUILT DRAWING

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DEPT. CHECK: R. WEBER
PROJ. CHECK: N. COOPER

SCALE: 3/16"=1'–0" (0, 4, 8, 12, 16 FEET)

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING POWER & CONTROL PLAN 1

ELECTRICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE EZETP020.dwg
SHEET E–20

PLOT DATE: July 31, 2014 @ 06:53:51 pm
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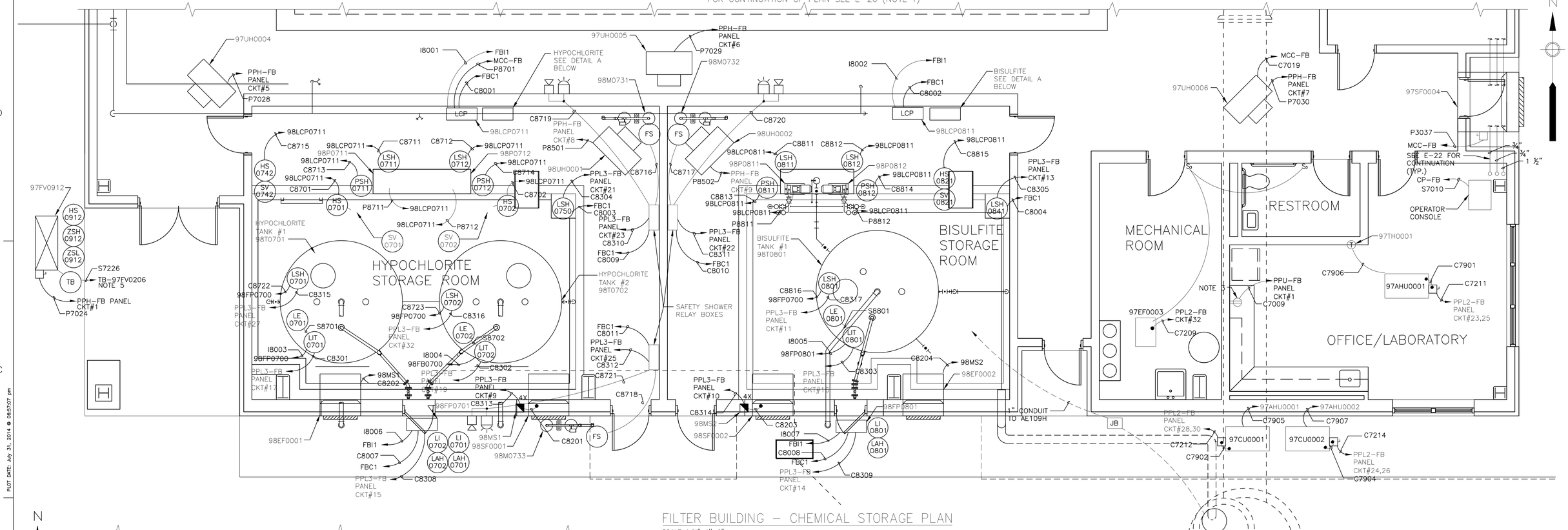
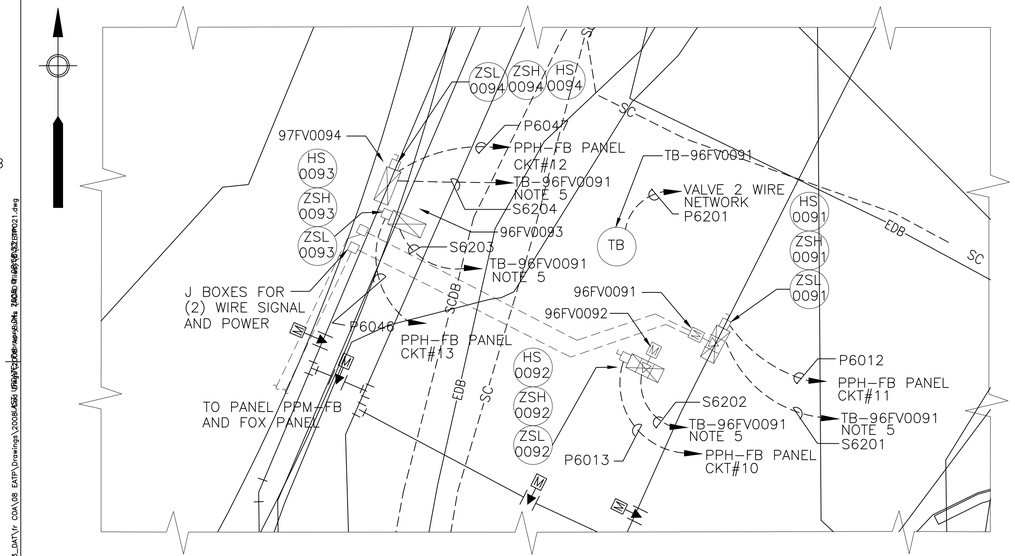


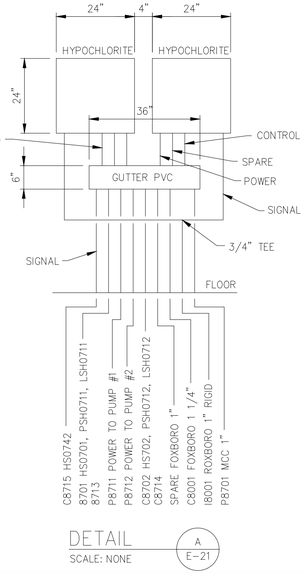
FILTER BUILDING – CHEMICAL STORAGE PLAN

SCALE: 1/4"=1'-0"



MOTORIZED VALVES 96FV0091, 96FV0092, 96FV0093 & 97FV0094

SCALE: 1-1/2" =1'-0"
REFERENCE DRAWING E-3



DETAIL

SCALE: NONE

A E-21

NOTES:

1. SCALE OF DRAWING NOT SAME AS E-20.
2. COORDINATE THE LOCATION OF THE FOXBORO CONSOLE WITH THE CITY OF ATLANTA.
3. PROVIDE ONE DEDICATED GFI PROTECTED DUPLEX RECEPTACLE NEAR THE NEW FOXBORO OPERATOR CONSOLE. NEW RECEPTACLE SHALL BE ORANGE COLORED AND SHALL BE CONNECTED TO UPS POWER PANEL PPU-FB.
4. ALL DEVICES IN THE CHEMICAL STORAGE AREAS SHALL HAVE CORROSION RESISTANT ENCLOSURES.
5. FOR VALVE 2 WIRE NETWORK WIRING SEE RISER DRAWING E-43.

REFERENCE DRAWINGS:

E-6 ELECTRICAL SITE PLAN 3-FILTER BUILDING
E-10 SINGLE LINE DIAGRAM 4-NEW MCC-FB
E-22 FILTER BUILDING ELECTRICAL ROOM POWER & CONTROL PLAN
E-32 FILTER BUILDING-FIRE ALARM & COMMUNICATION PLAN
E-42 FIRE ALARM & COMMUNICATION RISER DIAGRAM
E-43 VALVE TWO WIRE NETWORK RISER DIAGRAM
E-50 CABLE SCHEDULE 6
E-51 CABLE SCHEDULE 7
E-52 CABLE SCHEDULE 8
E-53 CABLE SCHEDULE 9
E-54 PANEL SCHEDULE 1
E-58 CONTROL NETWORK PLAN
I-17 CONTROL SYSTEM ARCHITECTURE

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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DEPT. CHECK: R. WEBER
PROJ. CHECK: N. COOPER

SCALE: 1/4"=1'-0" (0, 4, 8, 12 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING
POWER & CONTROL PLAN 2

ELECTRICAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE EZETP021.dwg
SHEET E-21

PLOT DATE: July 31, 2014 @ 06:57:07 pm
PATH/FILENAME: G:\Work\QA\BPA134 - CSO Group 1\3_DATA\Cr CQA\08 EATP\Drawings\2008\ASBUILT\EZETP021.dwg

NOTES:

1. TRANSFORMERS SHALL BE SUSPENDED FROM CEILING. PROVIDE TRAPEZE SUPPORT FROM ANGLE-IRON. MAINTAIN EQUIPMENT CLEARANCES PER NEC. COORDINATE TRANSFORMER SUPPORT WITH OWNER'S DESIGNATED ON-SITE REPRESENTATIVE.

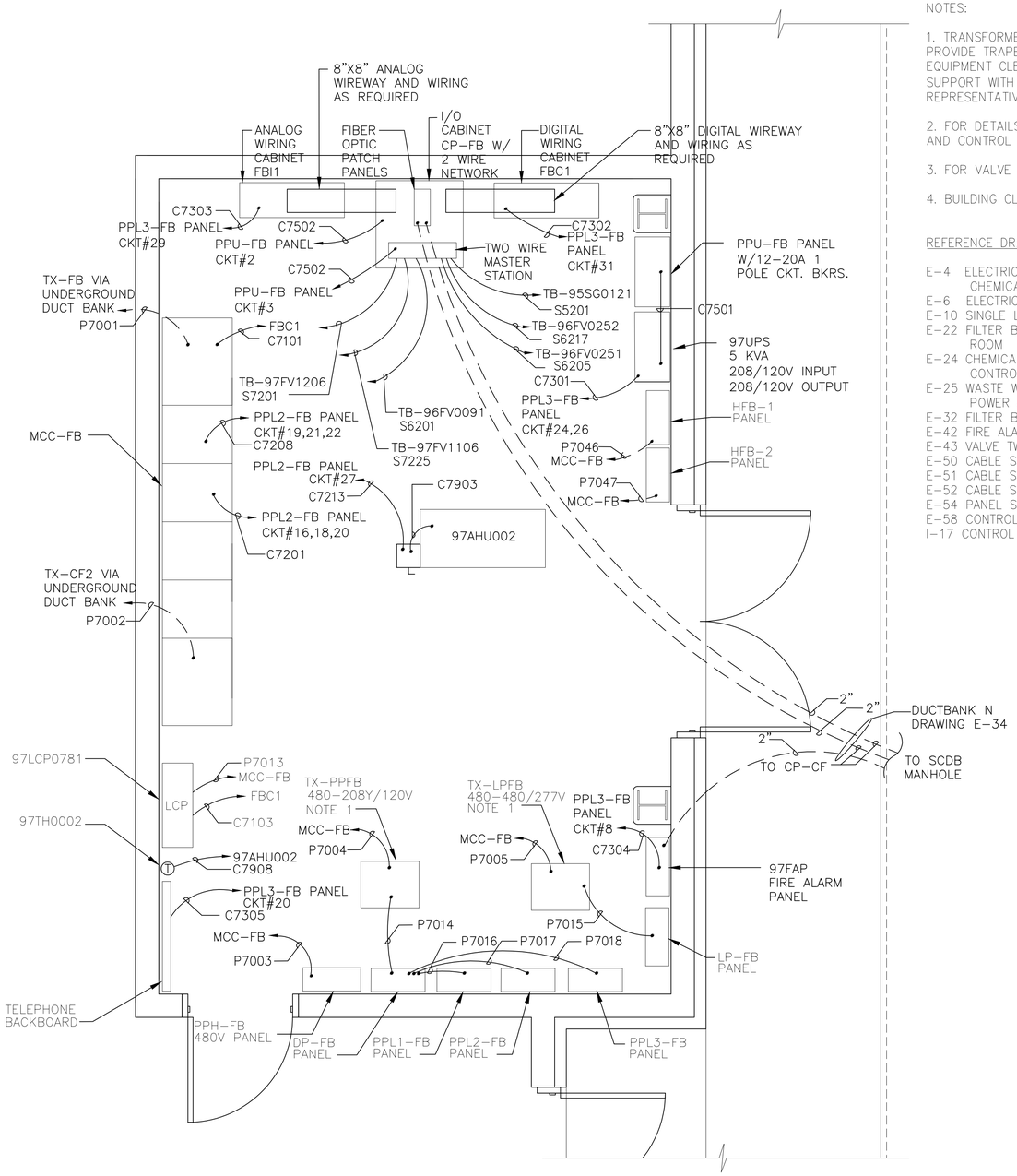
2. FOR DETAILS OF CONTROL NETWORK SEE SITE PLAN E-58 AND CONTROL SYSTEM ARCHITECTURE I-17.

3. FOR VALVE 2 WIRE NETWORK SEE RISER DWG. E-43.

4. BUILDING CLASSIFICATION - CORROSIVE.

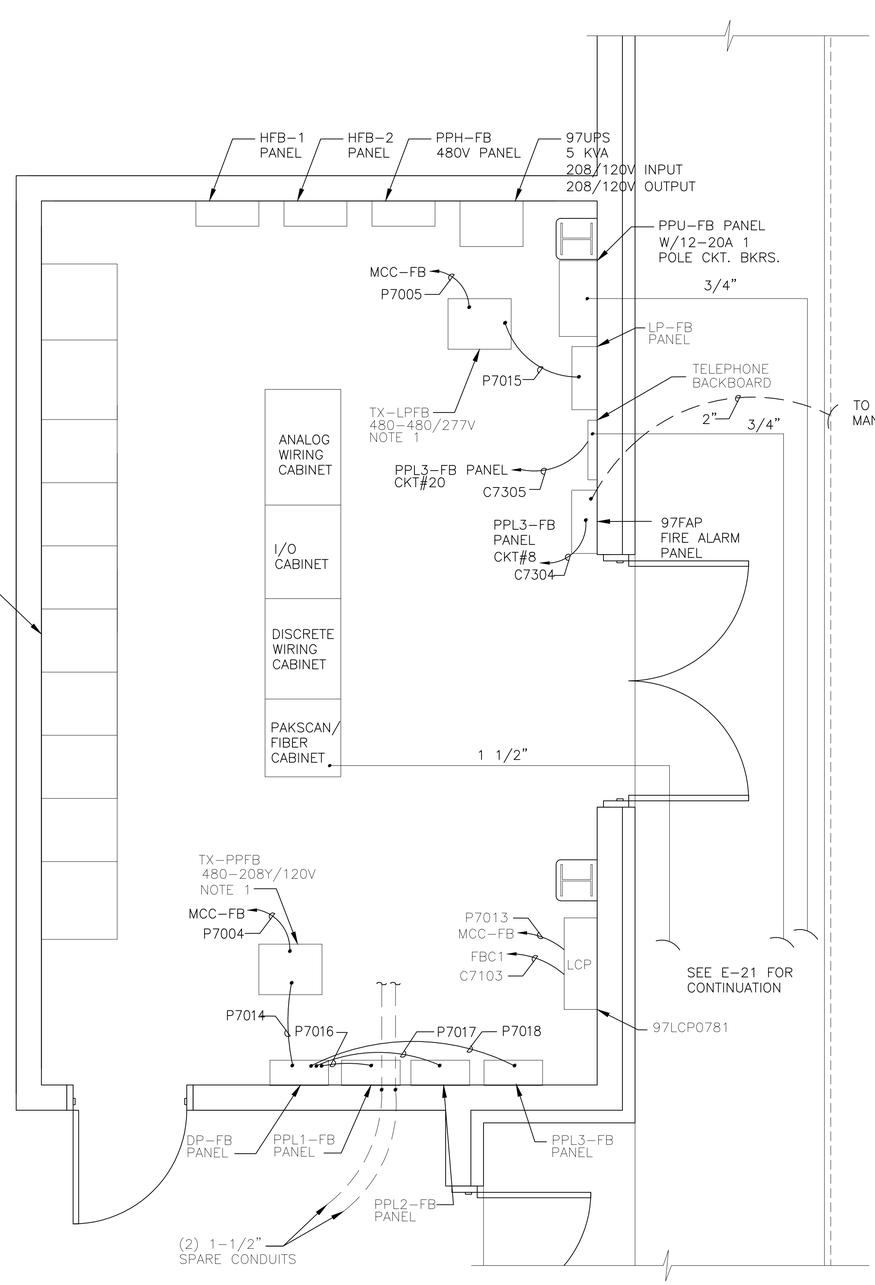
REFERENCE DRAWINGS:

E-4 ELECTRICAL SITE PLAN 2-TUNNEL PUMPING STATION & CHEMICAL BUILDING
E-6 ELECTRICAL SITE PLAN 3-FILTER BUILDING
E-10 SINGLE LINE DIAGRAM 4-NEW MCC-FB
E-22 FILTER BUILDING ELECTRICAL ROOM POWER & CONTROL ROOM
E-24 CHEMICAL BUILDING ELECTRICAL ROOM POWER & CONTROL PLAN
E-25 WASTE WASHWATER & SANITARY PUMPING STATIONS POWER & CONTROL PLAN
E-32 FILTER BUILDING-FIRE ALARM & COMMUNICATION PLAN
E-42 FIRE ALARM & COMMUNICATION RISER DIAGRAM
E-43 VALVE TWO WIRE NETWORK RISER DIAGAM
E-50 CABLE SCHEDULE 6
E-51 CABLE SCHEDULE 7
E-52 CABLE SCHEDULE 8
E-54 PANEL SCHEDULE 1
E-58 CONTROL NETWORK PLAN
I-17 CONTROL SYSTEM ARCHITECTURE



PANEL LAYOUT

FOR PANEL ARRANGEMENT
SEE REVISED PANEL LAYOUT



REVISED PANEL LAYOUT

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

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SCALE: 1/2"=1'-0" (0 1 2 3 4 5 6 SCALE FEET)

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING ELECTRICAL ROOM POWER & CONTROL PLAN

ELECTRICAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE EZETP022.dwg
SHEET E-22

PLOT DATE: July 31, 2014 @ 06:58:11 pm
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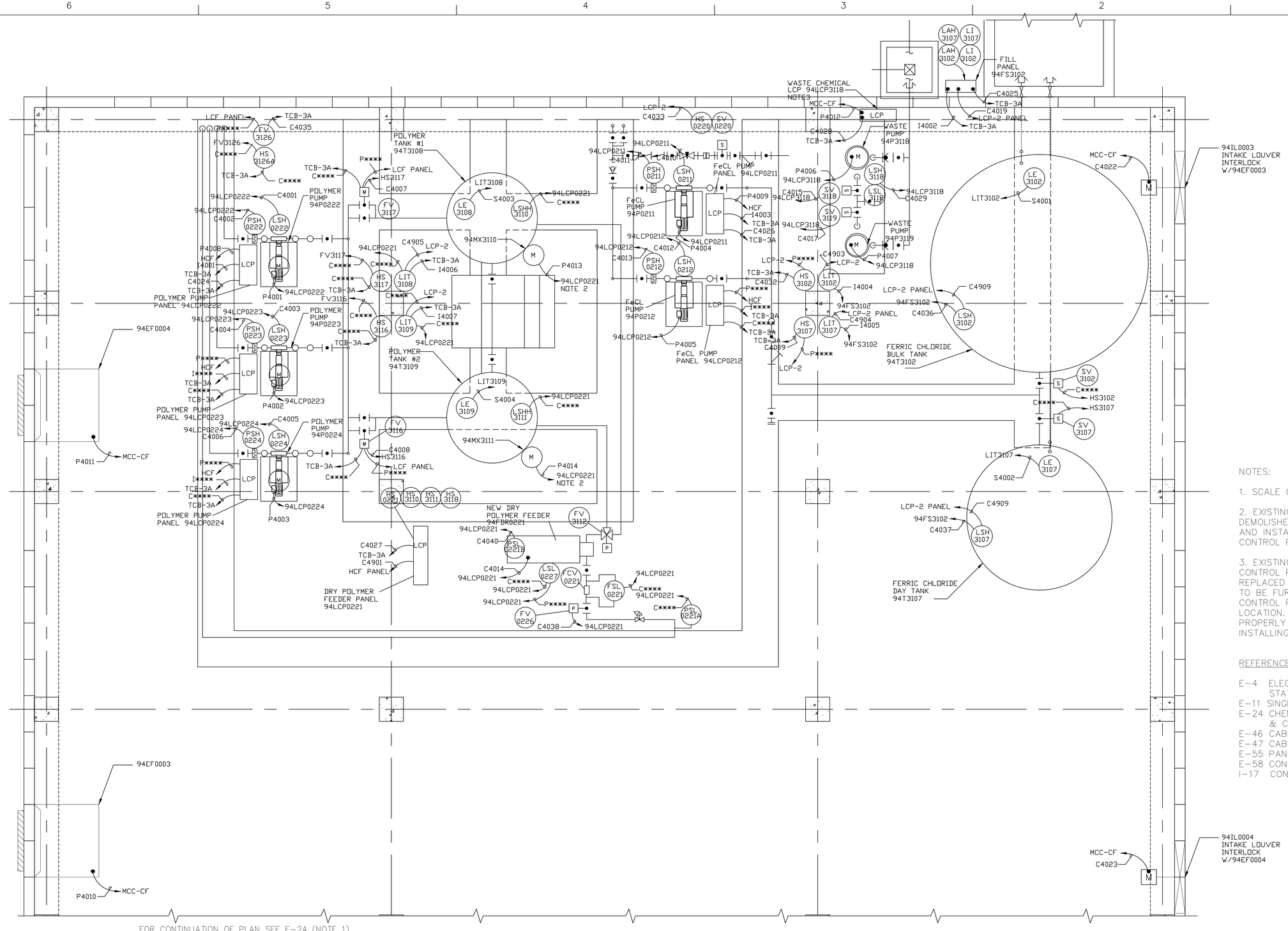

NOTES:

1. SCALE OF DRAWING NOT SAME AS E-24.

2. EXISTING POLYMER MIXER STARTER TO BE DEMOLISHED. NEW STARTER SHALL BE FURNISHED AND INSTALLED IN POLYMER FEEDER LOCAL CONTROL PANEL 94LCP0221.

3. EXISTING CHEMICAL WASTE PUMPS AND LOCAL CONTROL PANEL TO BE DEMOLISHED AND REPLACED WITH NEW SYSTEM. NEW STARTERS ARE TO BE FURNISHED AND INSTALLED IN LOCAL CONTROL PANEL WHICH WILL BE SITUATED IN SAME LOCATION. CONDUIT AND WIRING SHALL BE PROPERLY DEMOLISHED AS NEEDED BEFORE INSTALLING NEW SYSTEM.

REFERENCE DRAWINGS

E-4 ELECTRICAL SITE PLAN 2-TUNNEL PUMPING STATION & CHEMICAL BUILDING
E-11 SINGLE LINE DIAGRAM 5-NEW MCC-CF
E-24 CHEMICAL BUILDING ELECTRICAL ROOM POWER & CONTROL ROOM
E-46 CABLE SCHEDULE 2
E-47 CABLE SCHEDULE 3
E-55 PANEL SCHEDULE 2
E-58 CONTROL NETWORK PLAN
I-17 CONTROL SYSTEM ARCHITECTURE

FOR CONTINUATION OF PLAN SEE E-24 (NOTE 1)

AS-BUILT

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SCALE:
3/8"=1'-0"
0 2 4 6 8
SCALE FEET

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

CHEMICAL BUILDING
FIRST FLOOR
POWER & CONTROL PLAN
ELECTRICAL
NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE EZETP023.dwg
SHEET E-23

PLOT DATE: July 31, 2014 @ 06:58:41 pm
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FOR CONTINUATION OF PLAN SEE E-23 (NOTE 1)

N

EXISTING NEMA 4 ENCLOSURE WITH WORKSTATION

TCB-3A

EXISTING FOXBORO WIRING CABINET

COLUMN

EXISTING TX-LCP-2

EXISTING LCP-2

EXISTING LCF

EXISTING HCF

EXISTING HCP-2

94IL0002 INTAKE LOUVER

TCB-3A I4009

TCB-3A C4910

FROM CP-FB NOTE 2

S7009

FIBER OPTIC PATCH PANELS

S6009

S3020

EXISTING DCM-3 FOXBORO CP CABINET

FROM CP-SP NOTE 2

FROM CP-PS2 NOTE 2

EXISTING TURBOTROL WIRING CABINET

VARIABLE DC DRIVE CABINETS NOTE 3

75 KV XFMR FOR HEAT TRACING

(1) 1" CONDUIT TO VORTEX

HEAT TRACING CONTROL PANEL

J BOX FOR RTD

(3) 1" CONDUITS

EXISTING MCC-CF

LCF PANEL

C4030

C4902

94MS1

94EF0002

NOTES:

1. SCALE OF DRAWING NOT SAME AS E-23.

2. FOR DETAILS OF CONTROL SYSTEM NETWORK SEE SITE PLAN E-58 AND CONTROL SYSTEM ARCHITECTURE DRAWING I-17.

3. VARIABLE DC DRIVE CABINETS FOR POLYMER AND FERRIC CHLORIDE PUMPS TO BE DEMOLISHED.

REFERENCE DRAWINGS

E-4 ELECTRICAL SITE PLAN 2-TUNNEL PUMPING STATION & CHEMICAL BUILDING
E-11 SINGLE LINE DIAGRAM 5-EXISTING MCC-CF
E-23 CHEMICAL BUILDING-FIRST FLOOR POWER & CONTROL PLAN
E-46 CABLE SCHEDULE 2
E-47 CABLE SCHEDULE 3
E-55 PANEL SCHEDULE 2
E-58 CONTROL NETWORK PLAN
I-17 CONTROL SYSTEM ARCHITECTURE

AS-BUILT

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

CHEMICAL BUILDING ELECTRICAL ROOM POWER & CONTROL PLAN

ELECTRICAL NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE EZETP024.dwg

SHEET E-24

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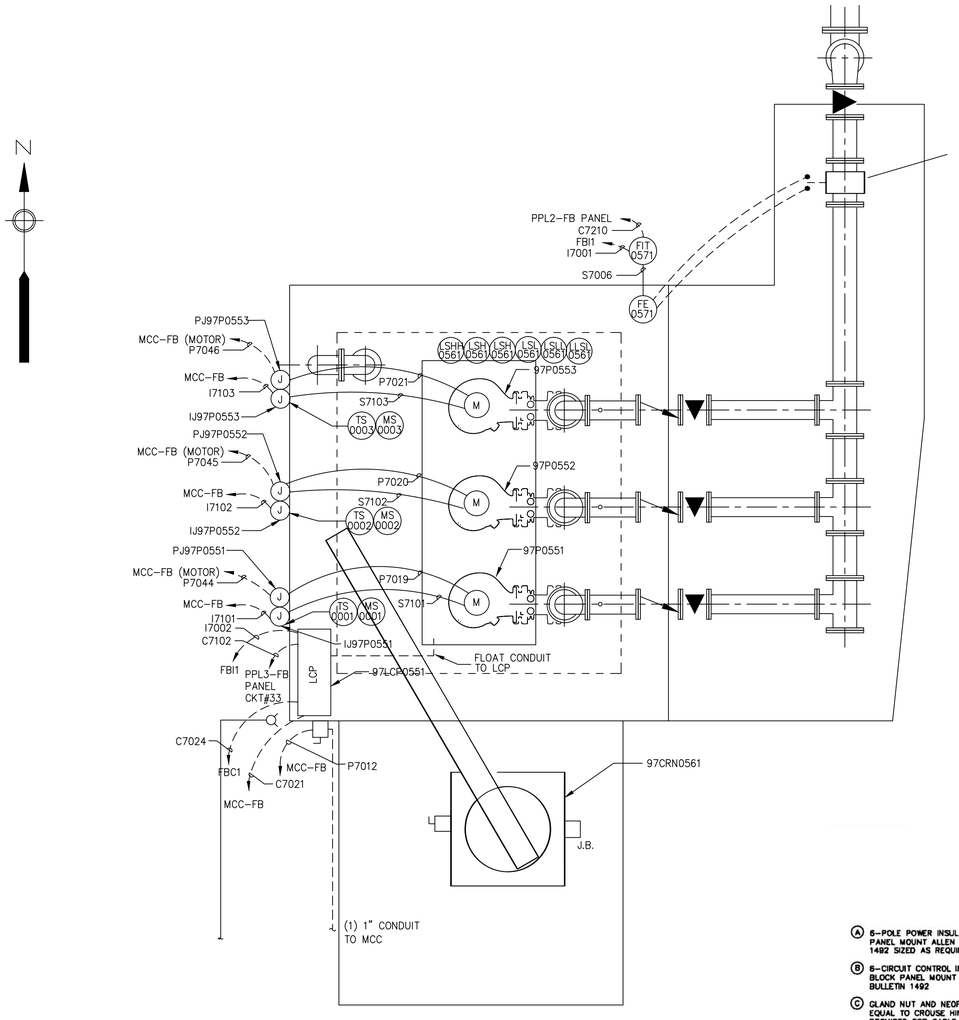
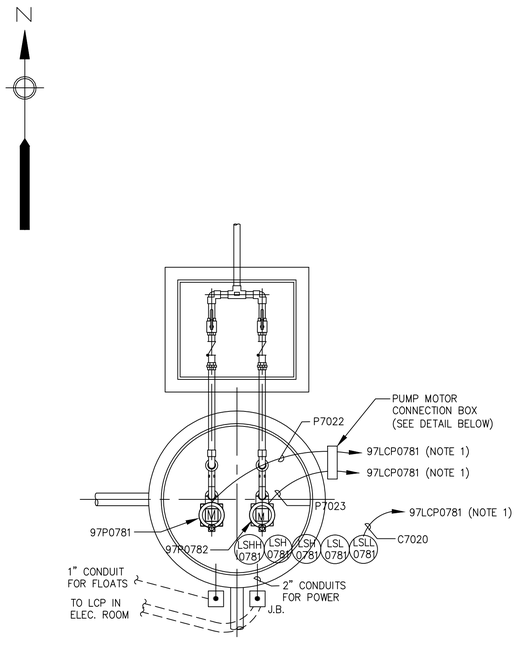
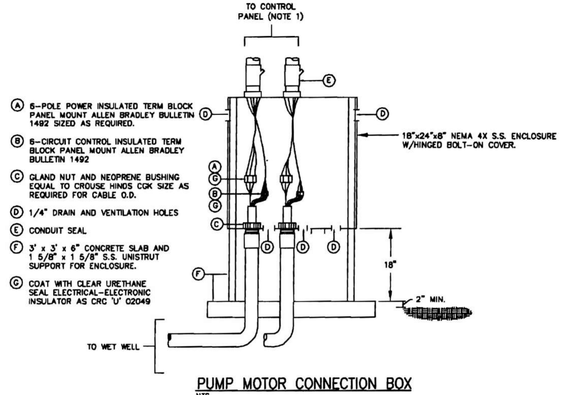


WASHWATER PUMP STATION PLAN
SCALE: 3/8"=1'-0"
REFERENCE E-6



SANITARY PUMP STATION PLAN
SCALE: 1/2"=1'-0"
REFERENCE E-6



PUMP MOTOR CONNECTION BOX
NTS

NOTES:
1. CONDUIT ENTRY IS FROM ABOVE OR BELOW AS REQUIRED.

NOTES:

1. CONTROL PANEL LOCATED IN FILTER BUILDING ELECTRICAL ROOM. MANUFACTURER SHALL SUPPLY SUFFICIENT CABLE TO CONNECT TO CONTROL PANEL.

REFERENCE DRAWINGS:

E-6 ELECTRICAL SITE PLAN 3-FILTER BUILDING
E-10 SINGLE LINE DIAGRAM 4-NEW MCC-FB
E-22 FILTER BUILDING ELECTRICAL ROOM POWER & CONTROL ROOM
E-43 VALVE TWO WIRE NETWORK RISER DIAGRAM
E-50 CABLE SCHEDULE 6
E-51 CABLE SCHEDULE 7
E-54 PANEL SCHEDULE 1
E-58 CONTROL NETWORK PLAN
I-17 CONTROL SYSTEM ARCHITECTURE

AS-BUILT

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

WASTE WASHWATER & SANITARY PUMPING STATIONS
POWER & CONTROL PLANS

ELECTRICAL NOVEMBER 2004

JOB	036202040
FILE NO.	
CADD FILE	EZETP025.dwg
SHEET	E-25

PLOT DATE: July 31, 2014 @ 07:02:33 pm
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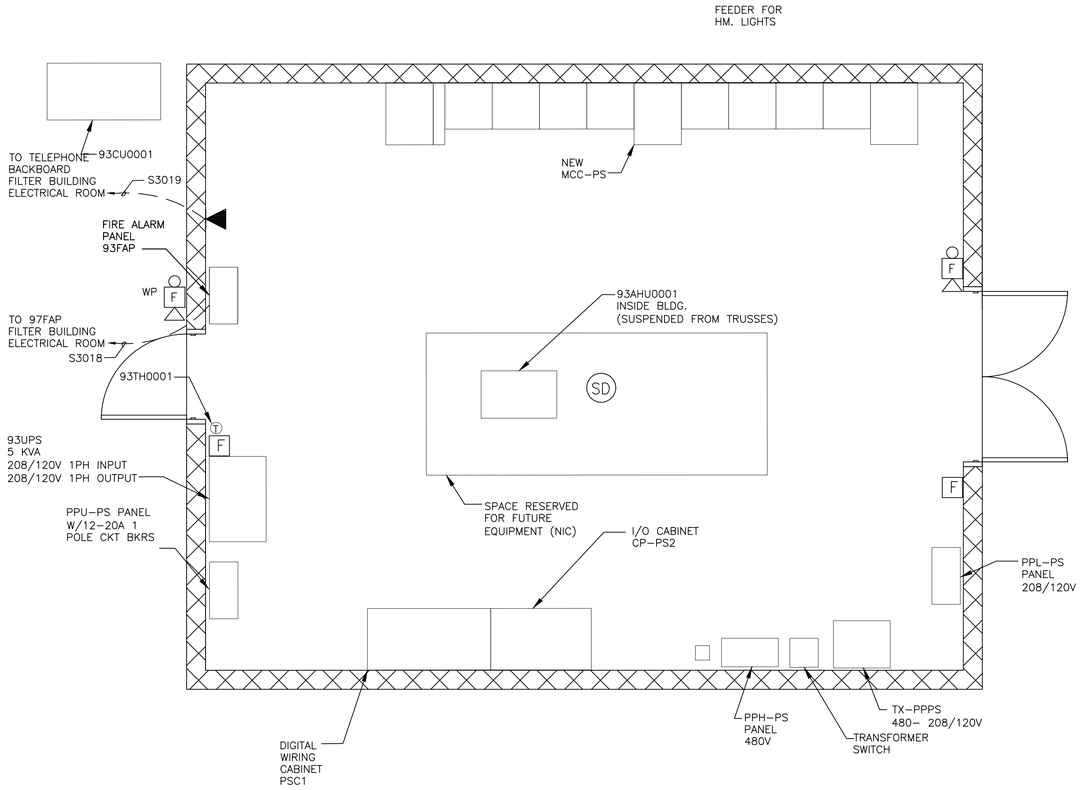

NEW ELECTRICAL BUILDING PLAN

NOTES:

1. FIRE ALARM COMMUNICATION CABLE AND TELEPHONE CABLE TO BE INSTALLED IN SEPARATE 2" CONDUITS TO BE ROUTED IN SAME DUCT BANK AS DCS NETWORK CABLE AS SHOWN ON DRAWING E–58.

REFERENCE DRAWINGS:

E–4 ELECTRICAL SITE PLAN 2–TUNNEL PUMPING STATION & CHEMICAL BUILDING
E–6 ELECTRICAL SITE PLAN 3–FILTER BUILDING
E–32 FILTER BUILDING–FIRE ALARM & COMMUNICATION PLAN
E–42 FIRE ALARM & COMMUICATION RISER DIAGRAMS
E–58 CONTROL NETWORK PLAN
I–17 CONTROL SYSTEM ARCHITECTURE

NOTE:

FOR PANEL LAYOUT SEE DWG. E–13.

AS-BUILT

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

TUNNEL PUMPING STATION ELECTRICAL BUILDING
FIRE ALARM AND COMMUNICATION PLAN

ELECTRICAL

NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE EZETP030.dwg

SHEET E–30

PLOT DATE: July 31, 2014 @ 07:03:23 pm

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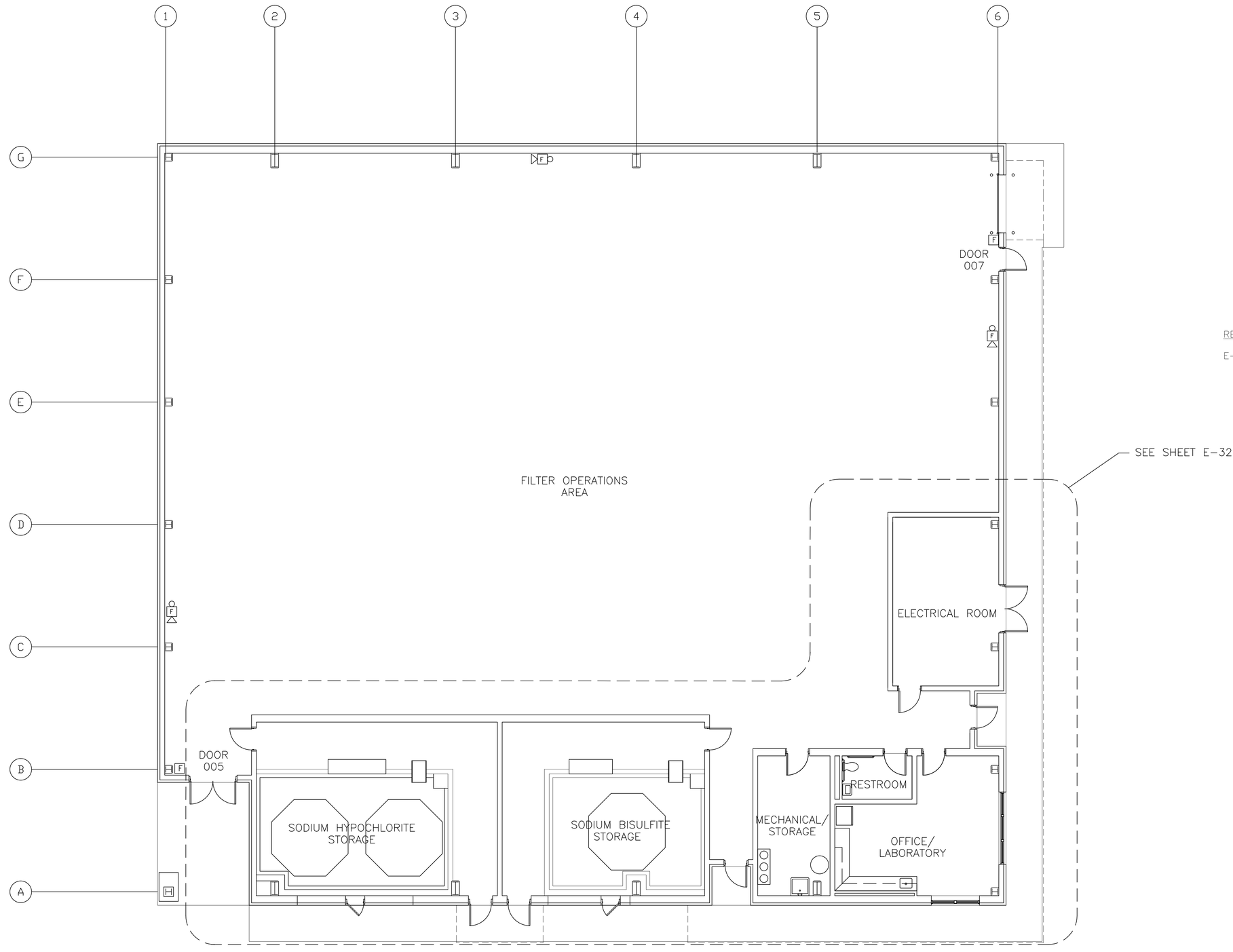

REFERENCE DRAWINGS:

E-42 FIRE ALARM & COMMUNICATION RISER DIAGRAM

AS-BUILT

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING
FIRE ALARM AND COMMUNICATION PLAN 1

ELECTRICAL

NOVEMBER 2004

JOB 036202040

FILE NO.

CADD FILE EZETP031.dwg

SHEET E-31

PATH/FILENAME: G:\Www\GA\BPA134 - CSO Group 1\3_DATA\r CGA\08 EATP\Drawings\2008ASBUILT\EZETP031.dwg
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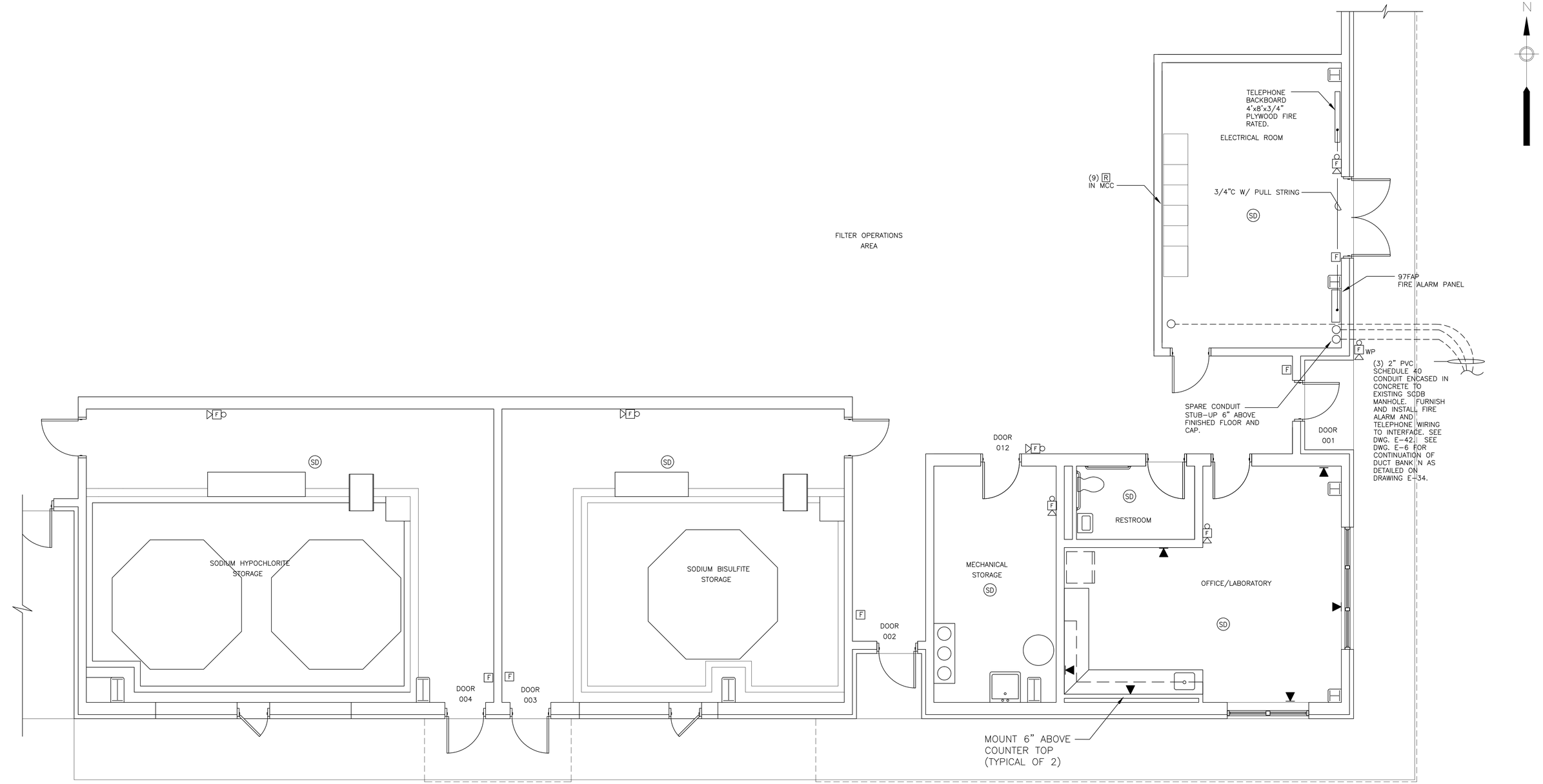

NOTES:

1. ALL DEVICES IN THE CHEMICAL STORAGE/HANDLING AREAS SHALL HAVE CORROSION RESISTANT ENCLOSURES.

REFERENCE DRAWINGS:

E-6 ELECTRICAL SITE PLAN 3 – FILTER BUILDING
E-42 FIRE ALARM & COMMUNICATION RISER DIAGRAM

AS-BUILT

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SCALE: 1/8"=1'-0" (0, 4, 8, 12 SCALE FEET)

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FILTER BUILDING
FIRE ALARM AND COMMUNICATION PLAN 2

ELECTRICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
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SHEET E-32

PLOT DATE: July 31, 2014 @ 07:05:08 pm
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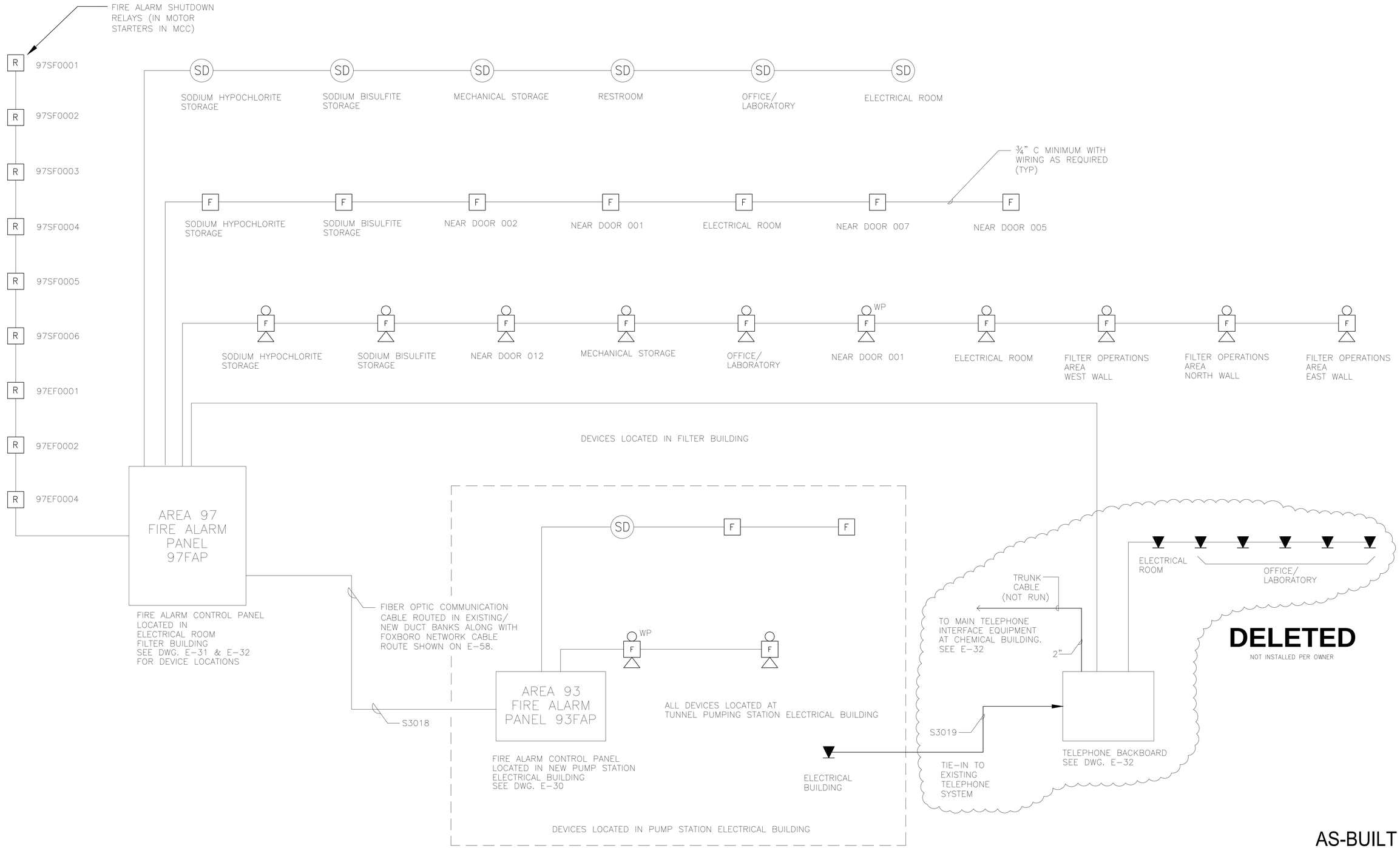

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SCALE: NONE

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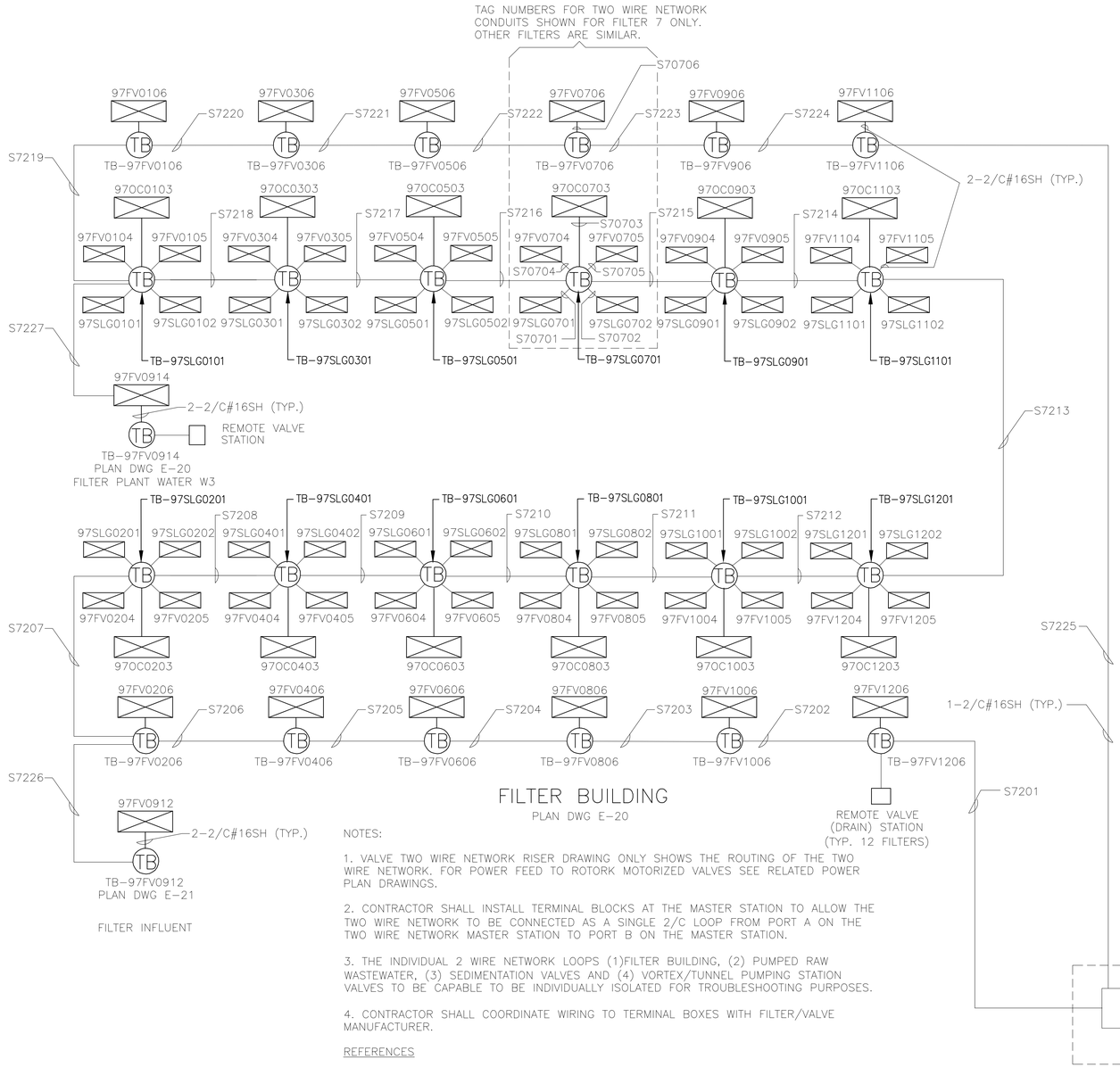
CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

FIRE ALARM & COMMUNICATION RISER DIAGRAMS

ELECTRICAL — NOVEMBER 2004

JOB	036202040
FILE NO.	
CADD FILE	EZETP042.dwg
SHEET	E-42



FILTER BUILDING

PLAN DWG E-20

NOTES:

1. VALVE TWO WIRE NETWORK RISER DRAWING ONLY SHOWS THE ROUTING OF THE TWO WIRE NETWORK. FOR POWER FEED TO ROTORK MOTORIZED VALVES SEE RELATED POWER PLAN DRAWINGS.

2. CONTRACTOR SHALL INSTALL TERMINAL BLOCKS AT THE MASTER STATION TO ALLOW THE TWO WIRE NETWORK TO BE CONNECTED AS A SINGLE 2/C LOOP FROM PORT A ON THE TWO WIRE NETWORK MASTER STATION TO PORT B ON THE MASTER STATION.

3. THE INDIVIDUAL 2 WIRE NETWORK LOOPS (1)FILTER BUILDING, (2) PUMPED RAW WASTEWATER, (3) SEDIMENTATION VALVES AND (4) VORTEX/TUNNEL PUMPING STATION VALVES TO BE CAPABLE TO BE INDIVIDUALLY ISOLATED FOR TROUBLESHOOTING PURPOSES.

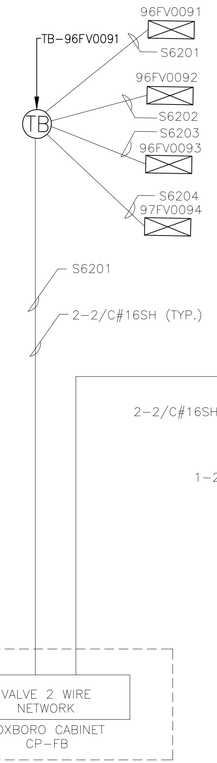
4. CONTRACTOR SHALL COORDINATE WIRING TO TERMINAL BOXES WITH FILTER/VALVE MANUFACTURER.

REFERENCES

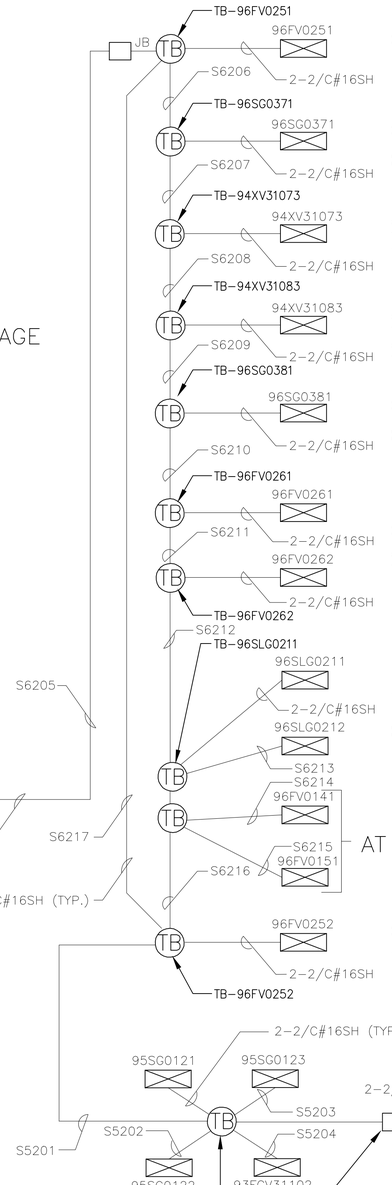
I-2 TUNNEL PUMPING STATION P&ID
I-3 VORTEX SEPARATOR P&ID
I-4 GRIT BASIN No. 1 P&ID
I-5 GRIT BASIN No. 2 P&ID
I-6 SLUDGE PUMPING STATION P&ID
I-7 FILTER SYSTEM P&ID
I-8 TYPICAL FILTER P&ID
E-14 HEADBOX & VALVE & METER VAULT POWER & CONTROL PLAN
E-15 VORTEX SEPARATOR & RAPID MIX POWER & CONTROL PLAN
E-16 GRIT SETTLING BASINS POWER & CONTROL PLAN
E-18 DETRITUS TANK & GRIT PUMPING STATION – NORTH POWER & CONTROL PLAN
E-19 DETRITUS TANK & GRIT PUMPING STATION – SOUTH POWER & CONTROL PLAN
E-20 FILTER BUILDING POWER & CONTROL PLAN 1
E-21 FILTER BUILDING POWER & CONTROL PLAN 2
E-22 FILTER BUILDING ELECTRICAL ROOM POWER & CONTROL PLAN

TB TERMINAL BOX

FEED TO WRC/STORAGE (E-3/E-21)



ELECTRICAL ROOM FILTER BUILDING (E-22)



VORTEX SEPARATOR (E-15)

PUMP STATION FLOW METER VAULT (E-14)

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PROJ. CHECK	N. COOPER
SCALE:	NONE

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CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

VALVE TWO WIRE NETWORK RISER DIAGRAMS

ELECTRICAL NOVEMBER 2004

JOB	036202040
FILE NO.	
CADD FILE	EZETP043.dwg
SHEET	E-43

PLOT DATE: July 31, 2014 @ 07:06:12 pm

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NOTES:

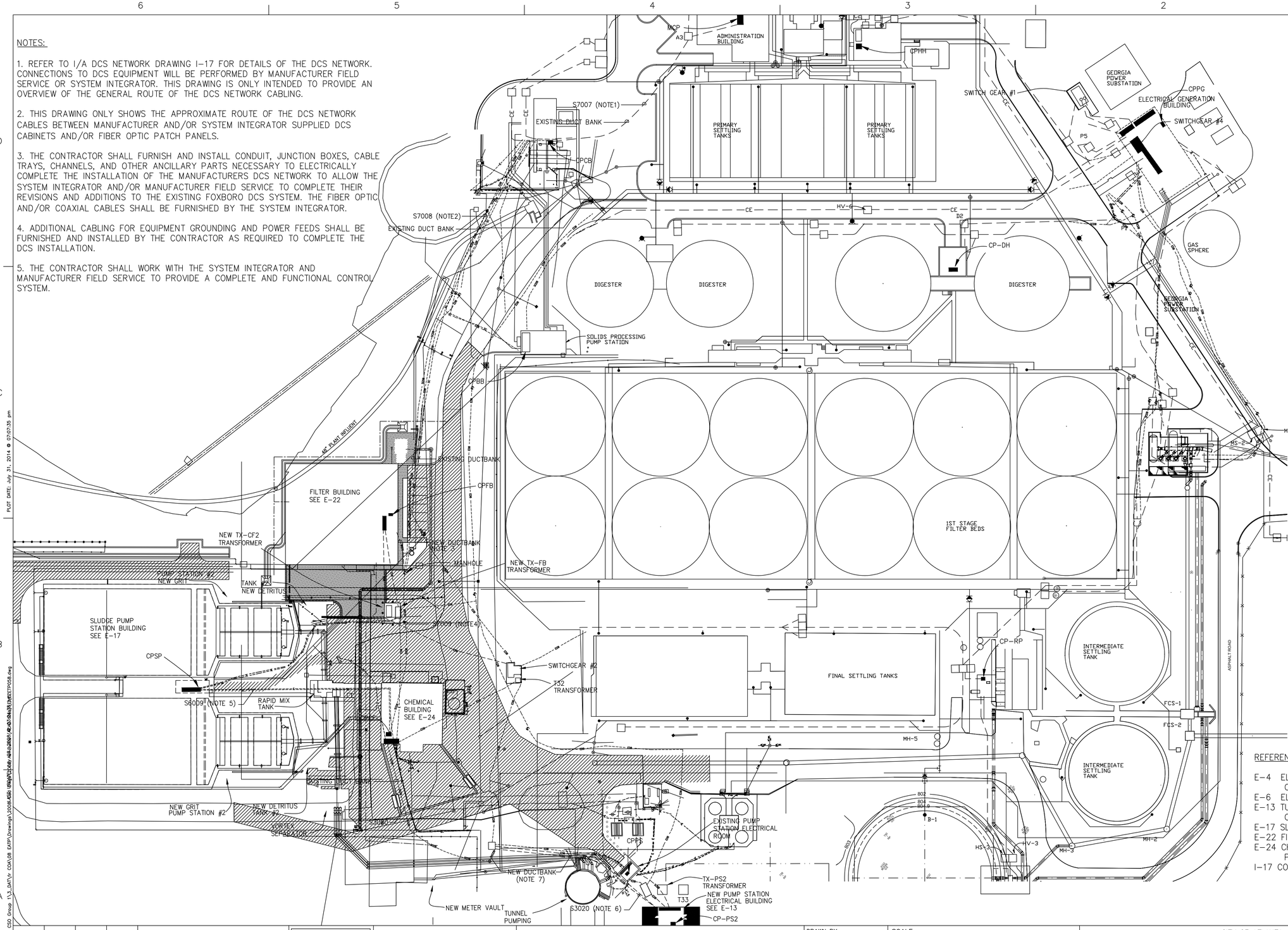
1. REFER TO I/A DCS NETWORK DRAWING I-17 FOR DETAILS OF THE DCS NETWORK. CONNECTIONS TO DCS EQUIPMENT WILL BE PERFORMED BY MANUFACTURER FIELD SERVICE OR SYSTEM INTEGRATOR. THIS DRAWING IS ONLY INTENDED TO PROVIDE AN OVERVIEW OF THE GENERAL ROUTE OF THE DCS NETWORK CABLING.

2. THIS DRAWING ONLY SHOWS THE APPROXIMATE ROUTE OF THE DCS NETWORK CABLES BETWEEN MANUFACTURER AND/OR SYSTEM INTEGRATOR SUPPLIED DCS CABINETS AND/OR FIBER OPTIC PATCH PANELS.

3. THE CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT, JUNCTION BOXES, CABLE TRAYS, CHANNELS, AND OTHER ANCILLARY PARTS NECESSARY TO ELECTRICALLY COMPLETE THE INSTALLATION OF THE MANUFACTURERS DCS NETWORK TO ALLOW THE SYSTEM INTEGRATOR AND/OR MANUFACTURER FIELD SERVICE TO COMPLETE THEIR REVISIONS AND ADDITIONS TO THE EXISTING FOXBORO DCS SYSTEM. THE FIBER OPTIC AND/OR COAXIAL CABLES SHALL BE FURNISHED BY THE SYSTEM INTEGRATOR.

4. ADDITIONAL CABLING FOR EQUIPMENT GROUNDING AND POWER FEEDS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AS REQUIRED TO COMPLETE THE DCS INSTALLATION.

5. THE CONTRACTOR SHALL WORK WITH THE SYSTEM INTEGRATOR AND MANUFACTURER FIELD SERVICE TO PROVIDE A COMPLETE AND FUNCTIONAL CONTROL SYSTEM.



DCS FIBER OPTIC ROUTE

1. INSTALL NEW 24 FIBER FIBER OPTIC CABLE FROM ADMINISTRATION BUILDING CABINET MCP [ADD NEW FIBER OPTIC PATCH PANEL] TO EXISTING US FILTER CABINET CP-CB.

2. CONTINUE 24 FIBER FIBER OPTIC CABLE FROM CABINET CP-CB TO EXISTING SIGNAL MANHOLE OUTSIDE FILTER BUILDING AND CONNECT TO NEW FIBER OPTIC PATCH PANEL NEAR NEW CP270 CABINET CP-FB INSIDE FILTER BUILDING ELECTRICAL ROOM.

3. INSTALL NEW SIGNAL & CONTROL DUCT BANK FROM FILTER BUILDING ELECTRICAL ROOM TO EXISTING SCDB MANHOLE. SEE DWG E-6 AND SECTION N ON E-34.

4. INSTALL NEW 24 FIBER FIBER OPTIC CABLE FROM FILTER BUILDING CP CABINET CP-FB TO CHEMICAL BUILDING CP CABINET CP-CF [ADD NEW FIBER OPTIC PATCH PANEL].

5. INSTALL NEW 8 FIBER FIBER OPTIC CABLE FROM CHEMICAL BUILDING [ADD SECOND FIBER OPTIC PATCH PANEL] CP CABINET CP-CF TO EXISTING SLUDGE BUILDING I/O CABINET CP-SP.

6. INSTALL NEW 12 FIBER FIBER OPTIC CABLE FROM CHEMICAL BUILDING CP CABINET DCM-3 TO REMOTE I/O CABINET CP-PS2 [ADD NEW FIBER OPTIC PATCH PANEL].

7. NEW SIGNAL AND CONTROL DUCTBANK O (E-34) SHALL BE EXTENDED FROM EXISTING SIGNAL AND CONTROL DUCTBANK NEAR NEW TRANSFORMER T33 TO NEW PUMP STATION ELECTRICAL ROOM. SEE DRAWING E-4.

8. FIBER OPTIC CABLES, PATCH PANELS AND PATCH CARDS TO BE PROVIDED BY SYSTEM INTEGRATOR UNDER DIVISION 13 SPECIFICATIONS.

REFERENCE DRAWINGS:

E-4 ELECTRICAL SITE PLAN 2-TUNNEL PUMPING STATION & CHEMICAL BUILDING
E-6 ELECTRICAL SITE PLAN 3-FILTER BUILDING
E-13 TUNNEL PUMPING STATION ELECTRICAL BUILDING POWER & CONTROL PLAN
E-17 SLUDGE PUMPING STATION POWER & CONTROL PLAN
E-22 FILTER BUILDING ELECTRICAL ROOM POWER & CONTROL PLAN
E-24 CHEMICAL BUILDING ELECTRICAL ROOM POWER & CONTROL PLAN
I-17 CONTROL SYSTEM ARCHITECTURE

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
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SKING & Associates, Inc. ENGINEERS PLANNERS MANAGERS

REG. PROF. ENGR. DATE

REG. PROF. ENGR. DATE

DRAWN BY: R. HERRERA
DEPT. CHECK: R. WEBER
PROJ. CHECK: N. COOPER

SCALE: 1" = 50' (0, 50, 100, 150 FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

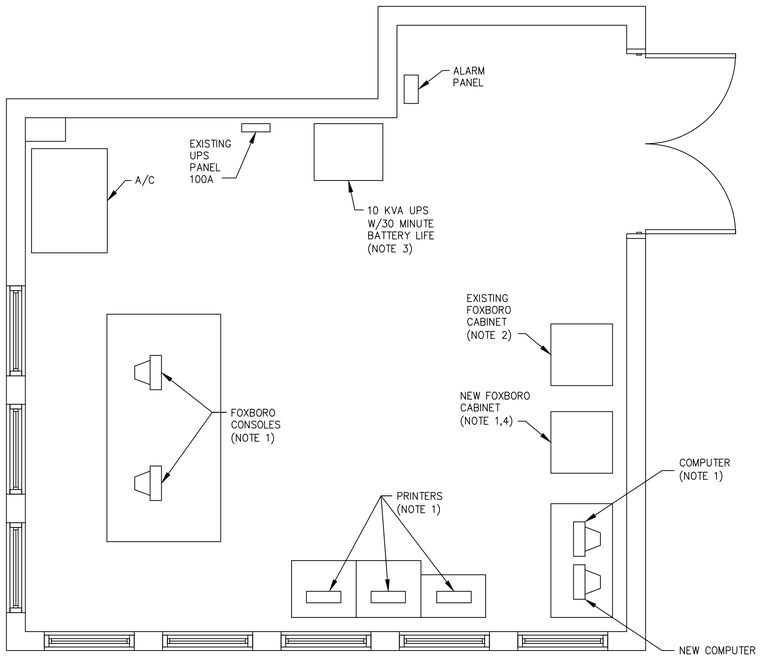
CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

CONTROL NETWORK PLAN

ELECTRICAL NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE EZETP058.dwg
SHEET E-58

PLOT DATE: July 31, 2014 @ 07:07:35 pm
PATH/FILENAME: G:\Wem\GA6PA134 - CSO Group 1\3_DAT\Fr CDA\08 EATP\Drawings\2008 AS-BUILTS\EZETP058.dwg



NOTES:

1. NEW EQUIPMENT FURNISHED BY FOXBORO TO REPLACE EXISTING EQUIPMENT. NEW WIRING SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR AS REQUIRED.
2. EXISTING EQUIPMENT TO BE DEMOLISHED AFTER NEW EQUIPMENT IS INSTALLED.
3. EXISTING 3000W UPS TO BE REPLACED WITH NEW 10 KVA UPS WITH 30 MINUTE BATTERY LIFE. MINIMUM SIZE REQUIREMENT FOR UPSTREAM CIRCUIT BREAKER SHALL BE 100A. NEW WIRING SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR FROM SOURCE POWER PANEL TO NEW UPS EQUIPMENT. NEW WIRING SHALL ALSO BE FURNISHED AND INSTALLED BY CONTRACTOR FROM UPS EQUIPMENT TO UPS PANEL.
4. CONNECT NEW FOXBORO CABINET TO UPS PANEL WITH 20A CIRCUIT BREAKER AND REQUIRED WIRING. FURNISH AND INSTALL NEW WIRING AS REQUIRED.

LABEL: UPS PANEL ADMINISTRATION CONTROL ROOM		RATING: 100A	
VOLTAGE: 120 VAC, 1P, 3W		POWERED BY UPS	
1	FOXBORO CABINET (EXISTING)		2
3	PRINTERS		4
5	FOXBORO CONSOLE 1		6
7	FOXBORO CONSOLE 2		8

AS-BUILT

NUMBER	DATE	MADE BY	CHECKED	DESCRIPTIONS
1	1-2008	MF	SJ	AS-BUILT DRAWING

REVISIONS

City of Atlanta
Department of Watershed Management
Protecting Our Future

Metcalf & Eddy

SKING & Associates, Inc.
ENGINEERS · PLANNERS · MANAGERS

REG. PROF. ENGR. _____ DATE _____

REG. PROF. ENGR. _____ DATE _____

DRAWN BY: L. COWELL
DEPT. CHECK: R. WEBER
PROJ. CHECK: N. COOPER

SCALE: 3/8"=1'-0" (0 2 4 6 8 SCALE FEET)

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

CITY OF ATLANTA
INTRENCHMENT CREEK CSO TREATMENT PLANT

ADMINISTRATION BUILDING
CONTROL ROOM

ELECTRICAL

NOVEMBER 2004

JOB 036202040
FILE NO.
CADD FILE EZETP059.dwg
SHEET E-59

PLOT DATE: July 31, 2014 @ 07:08:19 pm

PATH/FILENAME: G:\Wem\CAD\PA134 - CSO Group 1\3_DAT\Y COA\08 EXTP\Drawings\2008\AS-BUILT\EZETP059.dwg

Exhibit C2

2001,2002 Custer Avenue CSO Storage and Dechlorination Facility

2008 Custer Avenue CSO Storage and Dechlorination Facility

CONFEDERATE AVENUE FLOW

BOULEVARD AVENUE FLOW

INTRENCHMENT CREEK

CONC. CHANNEL

RAISE TOP OF EXISTING WALL TO ELEVATION 876.50 SEE (3424)

(4) REMOVE 18" THICK RIPRAP

EXST MH AND 48" SAN PER CITY RECORDS

T/WALL 876.50

868 869 870 871 872 873

T/WALL 876.50

176' 50' 25'

LIMIT OF ENCROACHMENT ON 25' STATE BUFFER ZONE

RETAINING WALL (TYP.)

T/WALL 876.50

T/WALL 865.0

SITE NORTH N 43° E

MAGNETIC NORTH

CONC. APRON

OVERFLOW WEIR TOP EL= 869.55

35' 45' 50' 45'

867.0 866.2 866 865.2 866.2 867.0

3424C

3408B

T/SLAB 886.5

CONC. APRON

EXIST. 66" RCP OUTLET INV. 866.70±

REMOVE RIPRAP CONSTRUCT CONC APRON

866.0

6" CONC. SLAB 6X6X10X10 WWF

SAWCUT & CONSTRUCT FLUSH TO EXISTING CONCRETE

02928

6" THICK CONC. SLOPE

SAN. MH TO BE REMOVED TOP EL= 881.02 INV. IN: 859.62 INV. OUT: 859.57

T/WALL 866.0

CONC. APRON

INTRENCHMENT CREEK

52' 25' 25'

NOTES:

1. 100 YEAR VOLUME: 5668 CUBIC FEE
   100 YEAR ELEVATION: 874.9

(1)

LIMIT OF ENCROACHMENT ON 25' STATE BUFFER ZONE

END RAMP AT CHANNEL FLOOR

6" THICK CONCRETE SLOPE TREATMENT TO EL. 875

SAWCUT & CONSTRUCT FLUSH TO EXISTING CONCRETE

W.V.

T/WELL 881.0

GUARD RAIL 880.5

CONC. SLAB

RECTANGULAR OPEN CHANNEL

880.25

CURB & GUTTER (TYP.)

SS

ASPHALT TRUCK RAMP

8' CL FENCE W/ 3 BARBS

BYPASS GATE PLATFORM

DIVERSION BLDG. FF= 881.00

881.0

ASPHALT 02920

SAN. MH – TO BE REMOVED TOP EL 880.19 INV. OUT 870.99

8' CLF W/3 BARBS

R=100.50' L=156.77'

02920

02910

24'

ASPHALT TRUCK RAMP

4.19'

90° T SLAB @866.25

CHANNEL W/ ALUM GRATING

10'

GRASS

892.00

OUTLET CONTROL STRUCTURE RIM EL. 877.00 INV. 873.00

02928

102.39'

19.00 F.H.

20'R

GRASS

881.00

STORMWATER DETENTION AREA (SEE NOTE 1)

02910

02101

PAVEMENT REPLACEMENT 02101

CONTRACTOR STAGING STORAGE AREA

X 879.25

X 879.50

6' CL FENCE TO BE REMOVED FROM POINTS (1) TO (4) 420 LF

5' X 3' CONC PAD SEE (3420)

02928

879.00 X

8' CL W/3 BARBS

MATCH EXIST. PAVEMENT

SLIDING GATE 02945

CONCRETE DITCH

HW

CONTRACTOR ACCESS

CONTRACTOR SHALL VERIFY SIZE AND LOCATION

8"W

GRAPHIC SCALE 1"=30'

30 0 30 60 90

NO.	DATE	REVISION	BY	APVD
3	5/02	RECORD DRAWINGS	ATA	LOY
(4)	1/99	HIGHLIGHTED 8" CL FENCE TO BE REMOVED. ADDED RIPRAP NOTE. REMOVED CHEMICAL BUILDING	TJ	KT
(1)	8/98	C.O.A. COMMENTS		

DSGN K. TOLLIVER
DR T. JOHNSON
CHK A. GURLASKIE B. McKENZIE
APVD K. TOLLIVER

CH2M HILL

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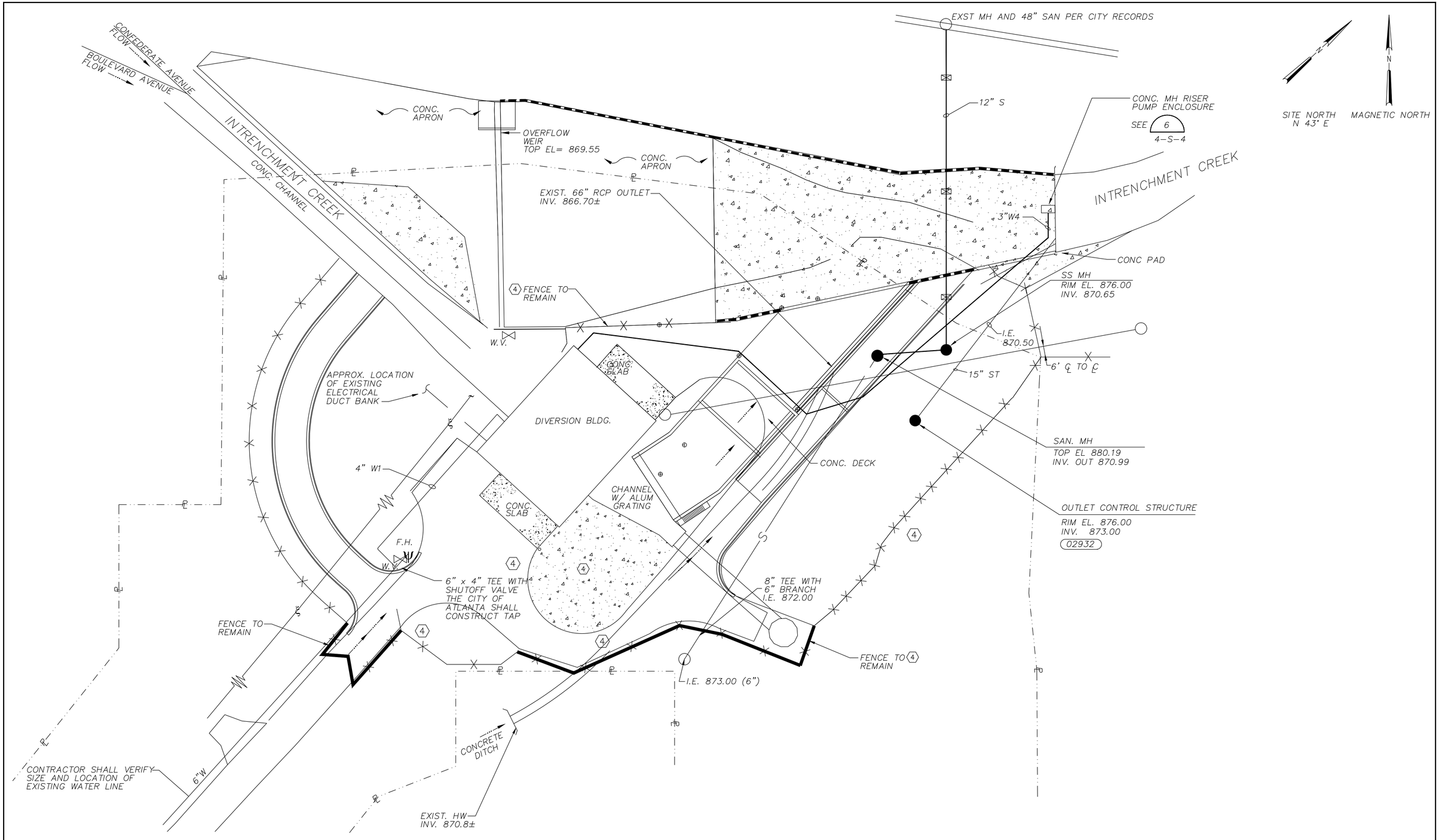
CITY OF ATLANTA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

CIVIL
CUSTER AVENUE DIVERSION STRUCTURE AREA PLAN GRIT TRAP FACILITY GRADING/PAVING

SHEET 156
DWG NO. 4-C-1
DATE OCT 2001
PROJ NO. 135023.CC

19-JULY-2002SRCSC402.DWG

RECORD DRAWINGS



DSGN K. TOLLIVER	4	5/02	RECORD DRAWINGS	ATA	LOY	
DR G. GRANTHAM		1/99	HIGHLIGHTED FENCE TO REMOVE. DELETED CHEMICAL BUILDING. REMOVED 6"F, 3" WI, 3" SB, 4"S, AND 6" WR	MSH	CNC	
CHK A. GURLASKIE B. McKENZIE	NO.	DATE	REVISION	BY	APVD	
APVD K. TOLLIVER						

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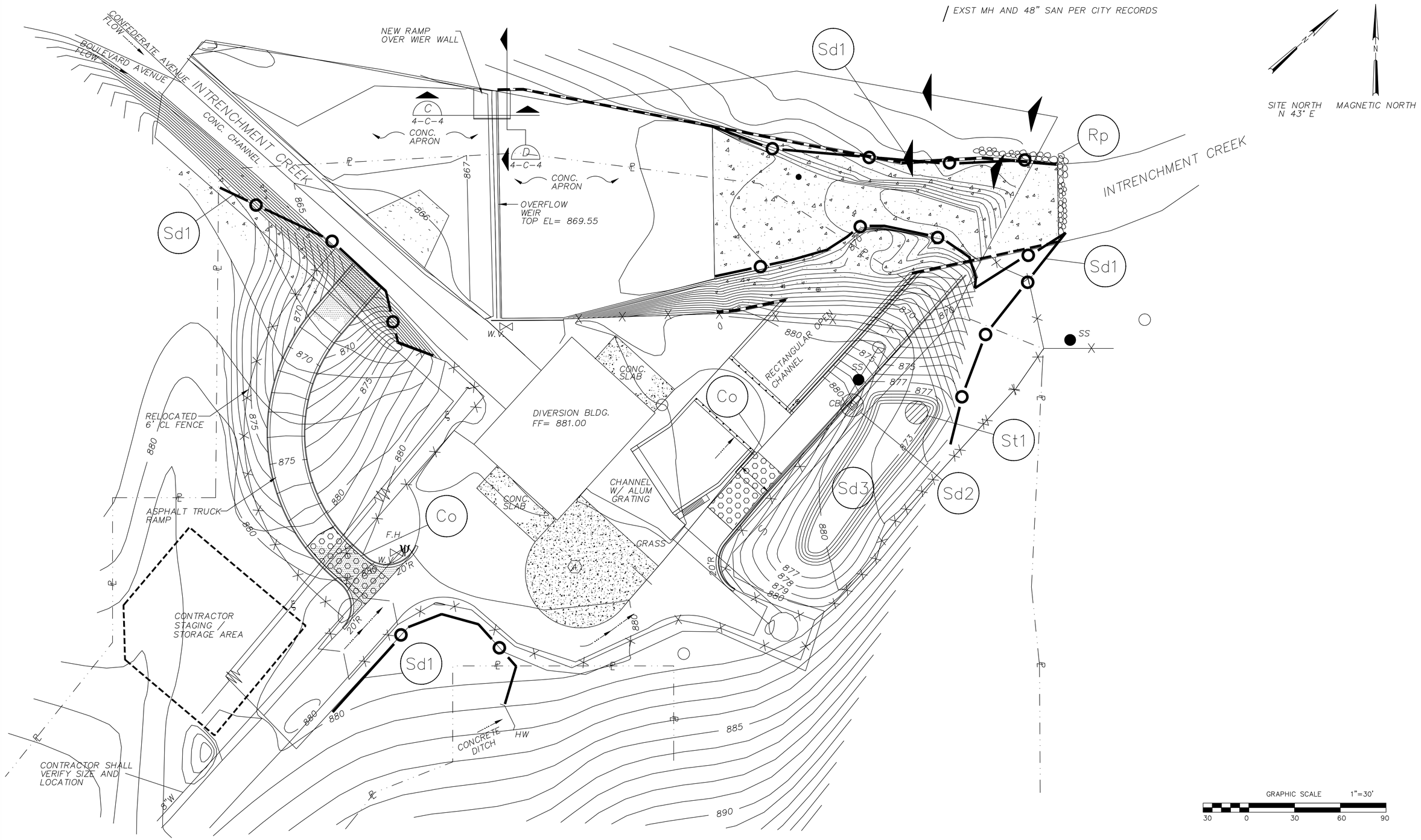
CITY OF ATLANTA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

CIVIL
CUSTER AVENUE DIVERSION STRUCTURE AREA PLAN YARD PIPING, FLOW CHANNELS

SHEET 157
DWG NO. 4-C-2
DATE JUNE 2002
PROJ NO. 135023.CC

24-Jun-02 SRCSC403.DWG

RECORD DRAWINGS



DSGN K. TOLLIVER	3	5/02	RECORD DRAWINGS	ATA	LOY
DR T. JOHNSON	4	1/99	HIGLIGHTED 8" CL FENCE TO BE REMOVED. ADDED RIPRAP NOTE. REMOVED CHEMICAL BUILDING	MSH	CNC
CHK A. GURLASKIE B. McKENZIE	1	8/98	C.O.A. COMMENTS	MSH	CNC
APVD K. TOLLIVER	NO.	DATE	REVISION	BY	APVD

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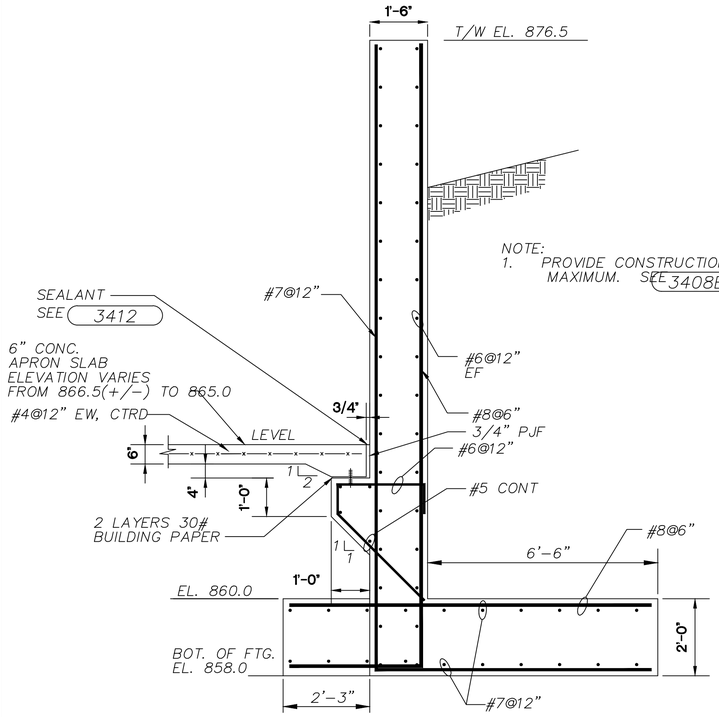
CITY OF ATLANTA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

CIVIL
CUSTER AVENUE DIVERSION STRUCTURE AREA PLAN EROSION CONTROL PLAN

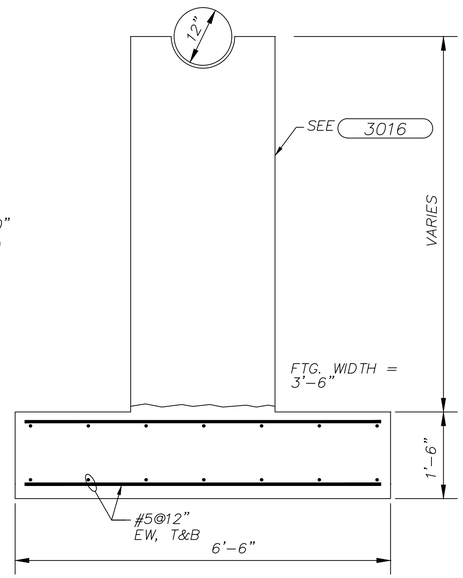
SHEET 158
DWG NO. 4-C-3
DATE OCT 2001
PROJ NO. 135023.CC

19-JULY-2002 SRCSC404.DWG

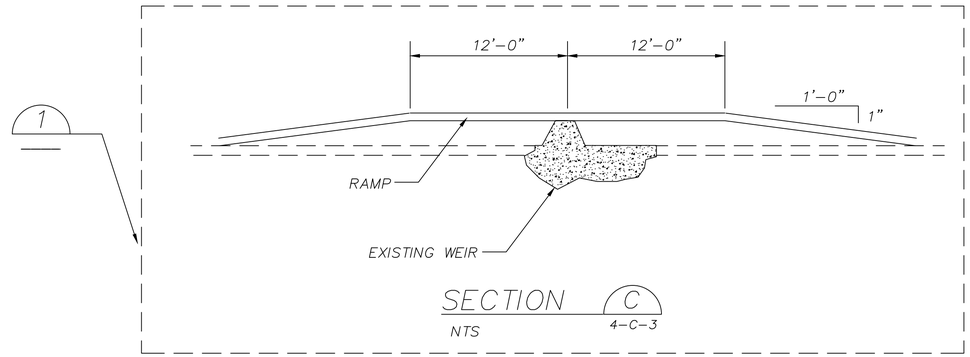
RECORD DRAWINGS



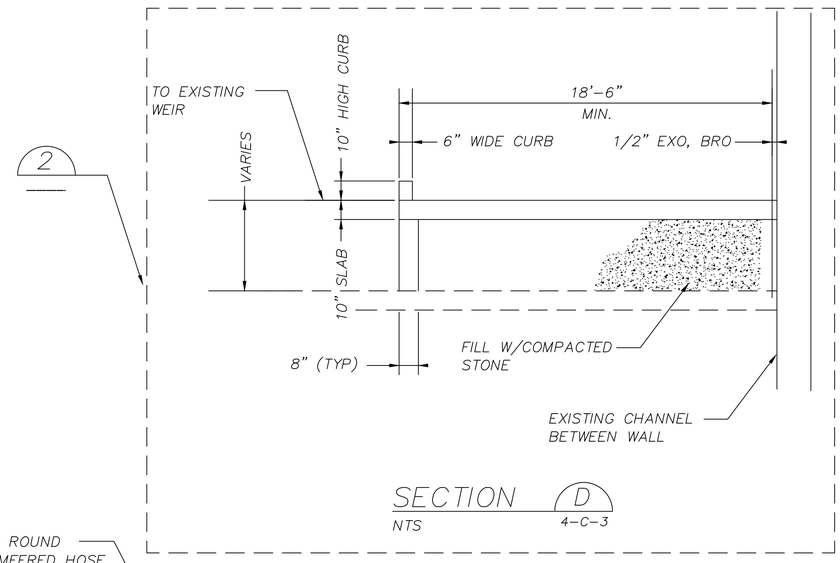
SECTION A
NTS 4-C-1



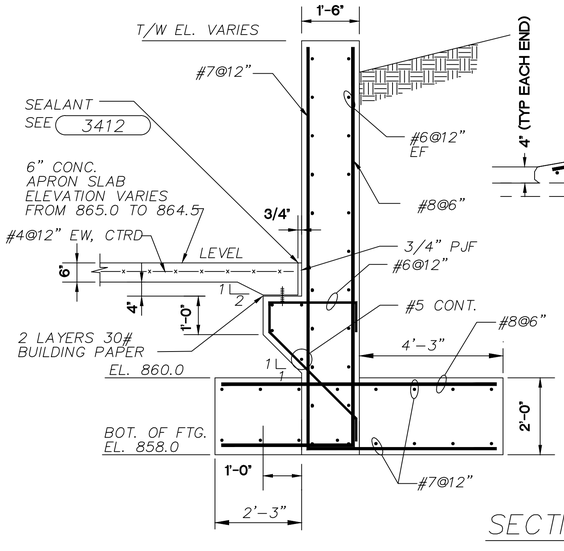
CONCRETE PIER – DETAIL 1
NTS 4-C-2



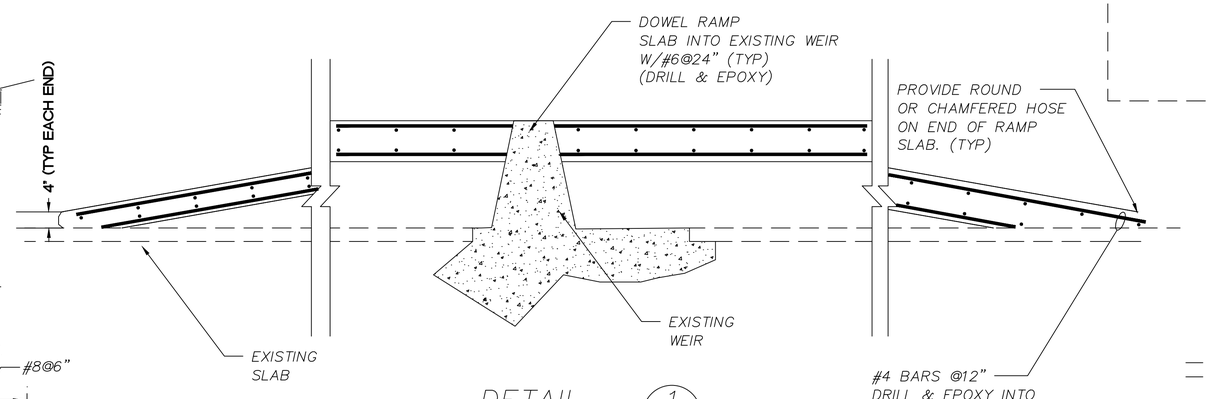
SECTION C
NTS 4-C-3



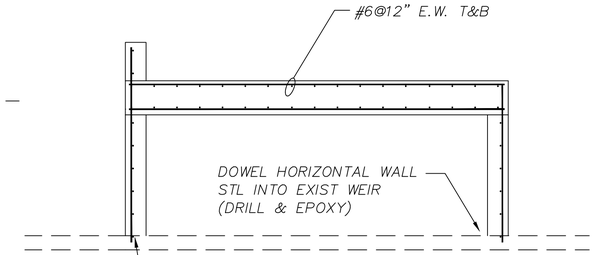
SECTION D
NTS 4-C-3



SECTION B



DETAIL 1
NTS



DETAIL 2
NTS

DSGN K. TOLLIVER						
DR T. JOHNSON						
CHK A. GURLASKIE B. McKENZIE	1	5/02	RECORD DRAWINGS	ATA	LOY	
APVD K. TOLLIVER	NO.	DATE	REVISION	BY	APVD	

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CITY OF ATLANTA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

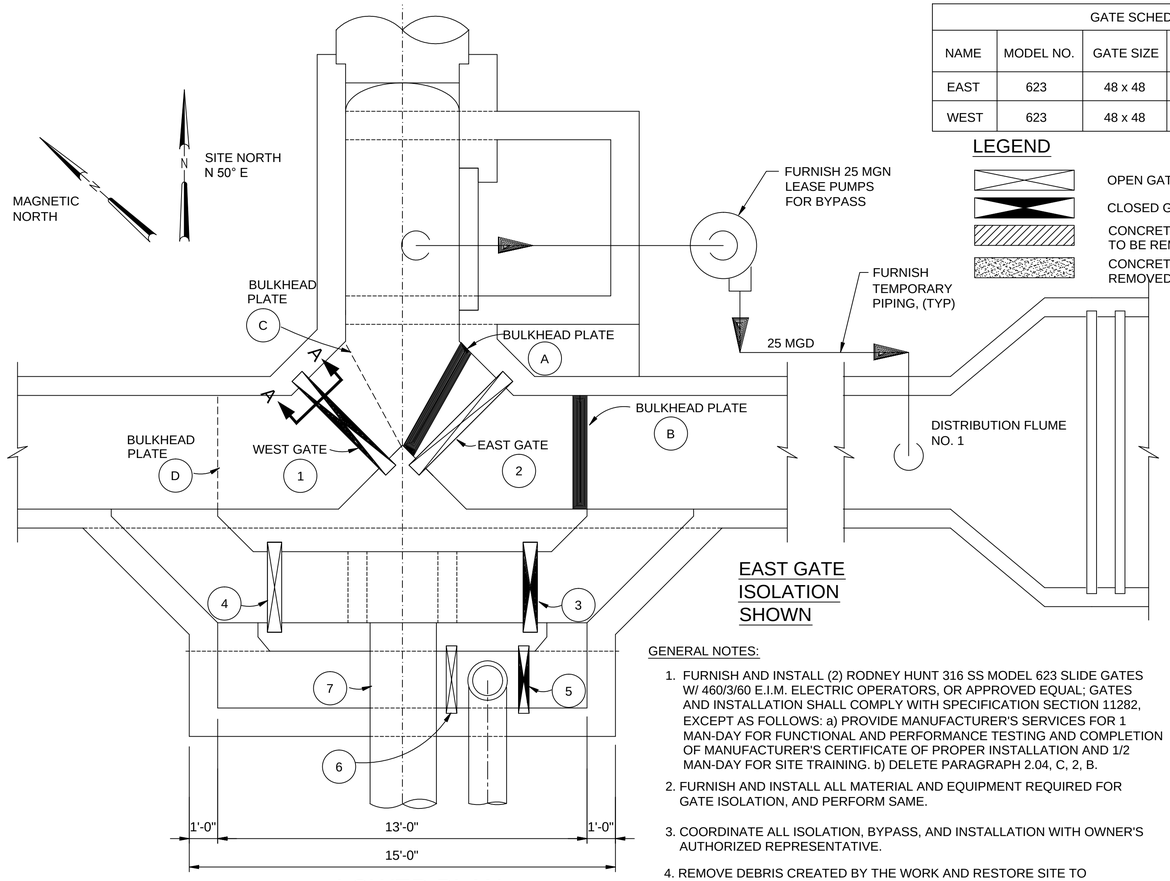
CIVIL
CUSTER AVENUE DIVERSION STRUCTURE DETAILS

SHEET 159
DWG NO. 4-C-4
DATE OCT 2001
PROJ NO. 135023.CC

RECORD DRAWINGS

05-07-02 SRCSC405.DWG

GATE SCHEDULE (NOTE 1)					
NAME	MODEL NO.	GATE SIZE	CHANNEL HEIGHT	OPERATOR	HEAD
EAST	623	48 x 48	9'-0"	MOTOR	7' SEATING
WEST	623	48 x 48	9'-0"	MOTOR	7' SEATING

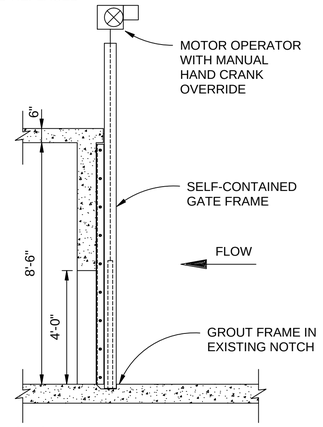


LOWER PLAN
3/8"=1'-0"

EAST GATE ISOLATION SHOWN

LEGEND

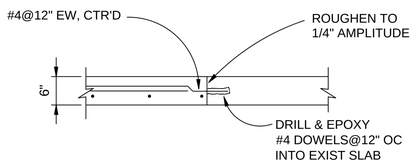
- OPEN GATE
- CLOSED GATE
- CONCRETE SLAB TO BE REMOVED
- CONCRETE SLAB TO BE REMOVED AND REPLACED



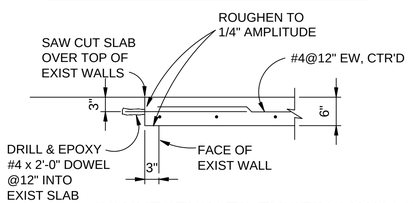
NOTES:
1. WEST GATE SHOWN. EAST GATE SIMILAR.
2. SEE (2) FOR GATE GUIDE INSTALLATION.

GENERAL NOTES:

1. FURNISH AND INSTALL (2) RODNEY HUNT 316 SS MODEL 623 SLIDE GATES W/ 460/3/60 E.I.M. ELECTRIC OPERATORS, OR APPROVED EQUAL; GATES AND INSTALLATION SHALL COMPLY WITH SPECIFICATION SECTION 11282, EXCEPT AS FOLLOWS: a) PROVIDE MANUFACTURER'S SERVICES FOR 1 MAN-DAY FOR FUNCTIONAL AND PERFORMANCE TESTING AND COMPLETION OF MANUFACTURER'S CERTIFICATE OF PROPER INSTALLATION AND 1/2 MAN-DAY FOR SITE TRAINING. b) DELETE PARAGRAPH 2.04, C, 2, B.
2. FURNISH AND INSTALL ALL MATERIAL AND EQUIPMENT REQUIRED FOR GATE ISOLATION, AND PERFORM SAME.
3. COORDINATE ALL ISOLATION, BYPASS, AND INSTALLATION WITH OWNER'S AUTHORIZED REPRESENTATIVE.
4. REMOVE DEBRIS CREATED BY THE WORK AND RESTORE SITE TO PRECONSTRUCTION CONDITION.
5. DISCONNECT EXISTING GATE OPERATOR. REUSE EXISTING CONDUIT AND CONDUCTORS FOR NEW SLIDE GATE. TERMINATE EXISTING CONDUCTORS ON NEW DISCONNECT SWITCH FOR NEW GATE OPERATOR. SEE (3) FOR DISCONNECT INSTALLATION.
6. PRIOR TO SUBMITTING A BID, THE GATE MANUFACTURER SHALL VISIT THE SITE, INSPECT THE AREA OF WORK, AND CONFIRM ALL DIMENSIONAL DATA AND ATTACHMENT INFORMATION.



CONNECTION TO EXISTING SLABS

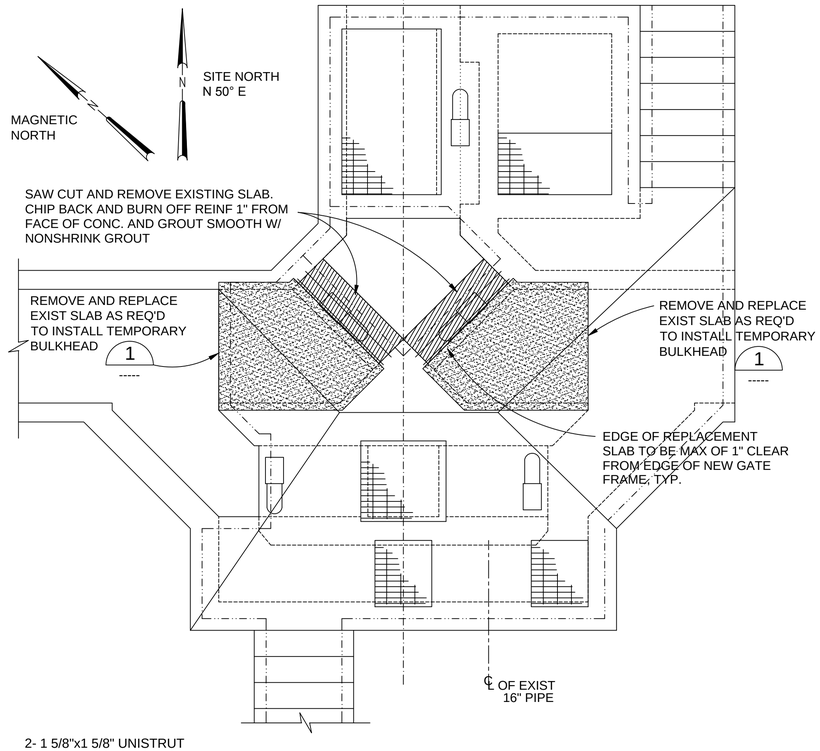


CONNECTION TO EXISTING WALLS

DETAIL 1
3/4" = 1'-0"

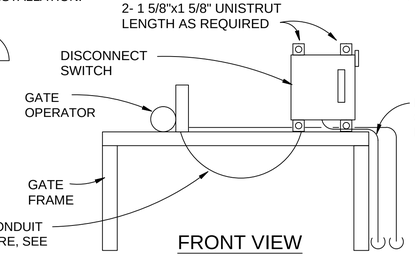
GATE REPLACEMENT NOTES:

1. EAST GATE (2) REPLACED - INSTALL BULKHEAD PLATES (A) AND (B) - CLOSE GATES (1), (3) AND (5). BYPASS 25 MGD WITH LEASE PUMPS. OUTAGE - 6 TO 8 DAYS. NEED TO SEQUENCE SO THIS OCCURS IN A PERIOD WHEN FLOW IS NOT EXPECTED TO EXCEED 25 MGD. IF FLOW EXCEEDS 25 MGD, OPEN WEST GATE (1).
2. WEST GATE (1) REPLACEMENT - INSTALL BULKHEAD PLATES (C) AND (D) - ALL OTHER GATES OPENED OR CLOSED AS NEEDED FOR NORMAL OPERATION. OUTAGE - 6 TO 8 DAYS. NEED TO SEQUENCE SO THIS OCCURS DURING A PERIOD WHEN FLOW IS NOT EXPECTED TO EXCEED 25 MGD. IF FLOW EXCEEDS 25 MGD, REMOVE BULKHEADS (C) AND (D).
3. REMOVE BULKHEAD PLATES (A) AND (B) AFTER EAST GATE REPLACEMENT IS COMPLETE.
4. REMOVE BULKHEAD PLATES (C) AND (D) AFTER WEST GATE REPLACEMENT IS COMPLETE.
5. BULKHEAD PLATES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER AND BE PROVIDED COMPLETELY BY THE CONTRACTOR.
6. BULKHEAD PLATES SHALL BE MINIMUM OF 8'-0" TALL.

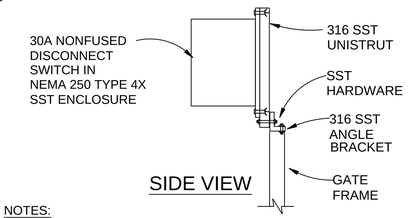


TOP PLAN
3/8"=1'-0"

SECTION A
1/4"=1'-0"



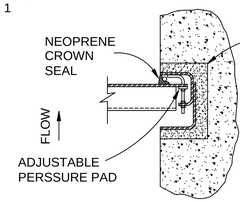
FRONT VIEW



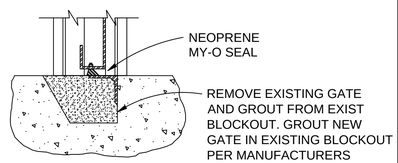
SIDE VIEW

NOTES:
1. INTERCEPT EXISTING POWER CONDUIT AND CONDUCTORS. TERMINATE AT NEW GATE DISCONNECT SWITCH. INTERCEPT EXISTING CONTROL WIRES AND RETERMINATE NEW OPERATOR.
2. PROVIDE NEW FLEXIBLE METAL LIQUID TIGHT CONDUIT FROM NEW DISCONNECT TO GATE OPERATOR. PROVIDE NEW CONDUCTORS, 600V STRANDED COPPER, AND THHN/THWN INSULATION.

GATE DISCONNECT EQUIPMENT SUPPORT DETAIL 3
NTS



SIDE



BOTTOM

DETAIL 2
3" = 1'-0"

DSGN	S.A. McCOY F. CARPENTER						VERIFY SCALE
DR	P.C. RICKETTS M. HALES						BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
CHK	J. MAXFIELD	1	6/02	RECORD DRAWINGS	MSH	LOY	
APVD	C. CRANDALL	NO.	DATE	REVISION	BY	APVD	

CH2MHILL

CITY OF ATLANTA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES

EAST AREA CSO IMPROVEMENTS
PHASE 2

STRUCTURAL
DISTRIBUTION STRUCTURE
LOWER PLAN AND TOP PLAN
AND DETAILS

SHEET	288BB
DWG	4-S-1
DATE	JUN 2002
PROJ	152294.DS

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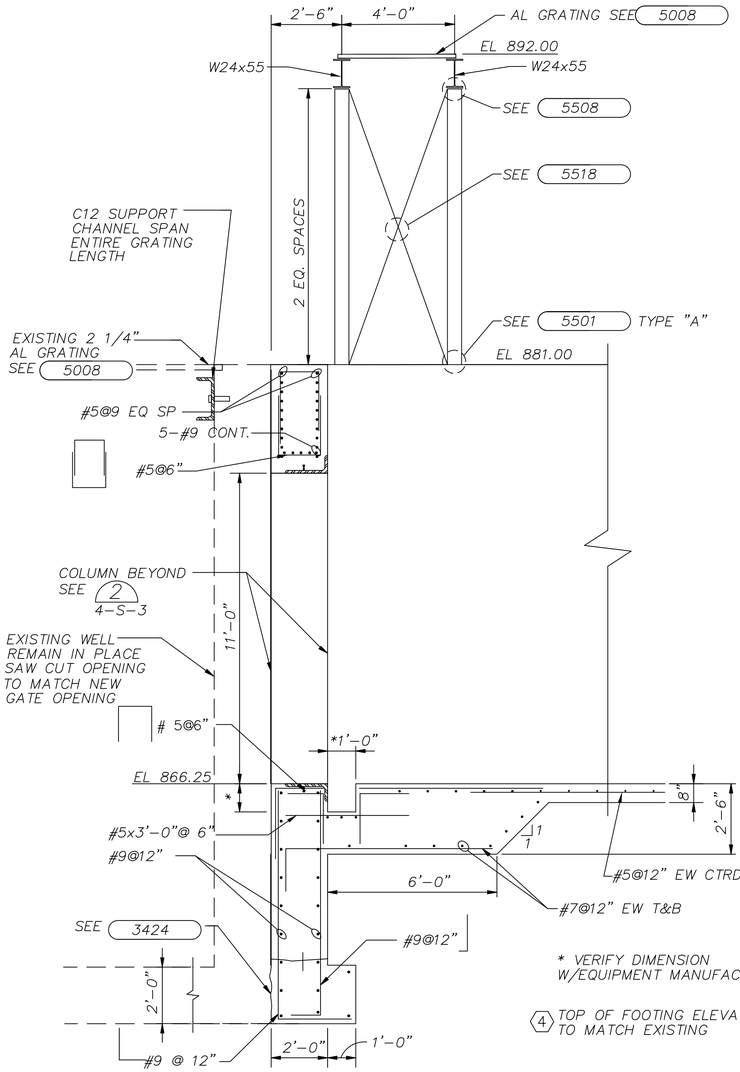
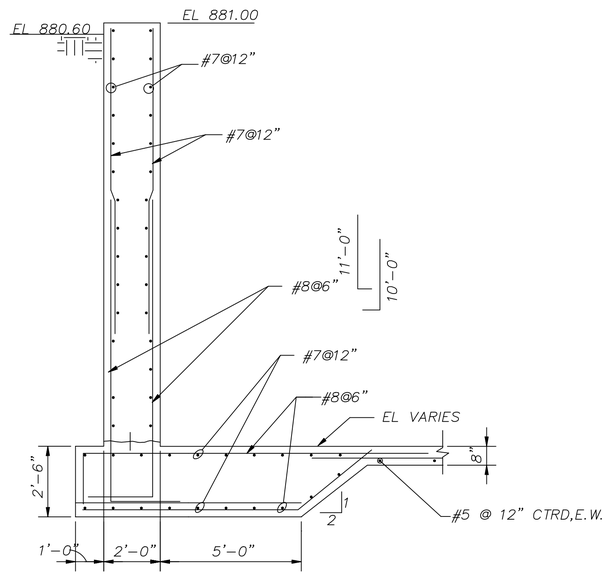


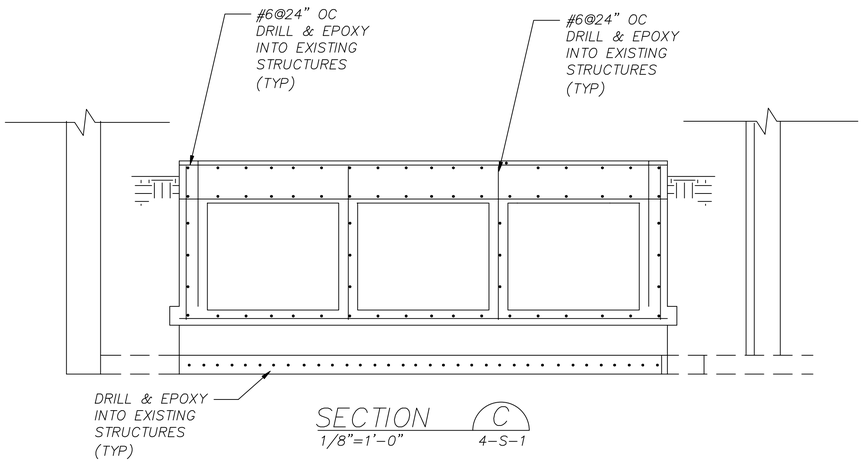
* VERIFY DIMENSION W/EQUIPMENT MANUFACTURER

4 TOP OF FOOTING ELEVATION TO MATCH EXISTING

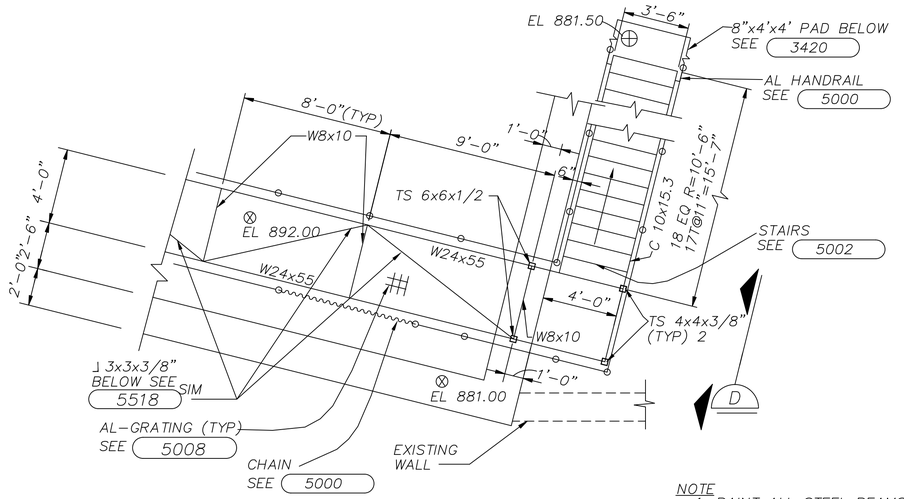
SECTION A
3/8"=1'-0" 4-S-1



SECTION B
3/8"=1'-0" 4-S-1

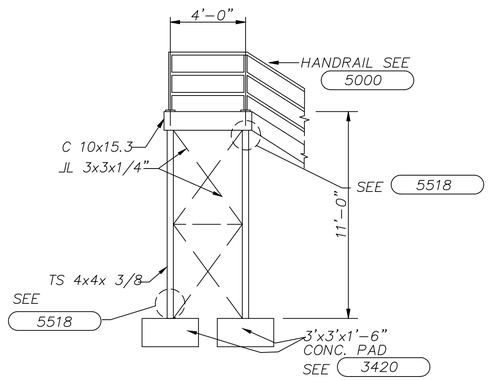


SECTION C
1/8"=1'-0" 4-S-1



DETAIL 3
1/4"=1'-0" 4-S-1

NOTE
1. PAINT ALL STEEL BEAMS SEE SPECIFICATIONS USE PAINT SYSTEM NO. 344S.
5



SECTION D
1/4"=1'-0"

NO.	DATE	REVISION	BY	APVD
3	5/02	RECORD DRAWINGS	ATA	LOY
5	2/99	ADDENDUM	MSH	CNC
4	2/99	ADDENDUM	MSH	CNC

DSGN K. TOLLIVER
DR T. JOHNSON
CHK A. GURLASKIE, B. McKENZIE
APVD K. TOLLIVER

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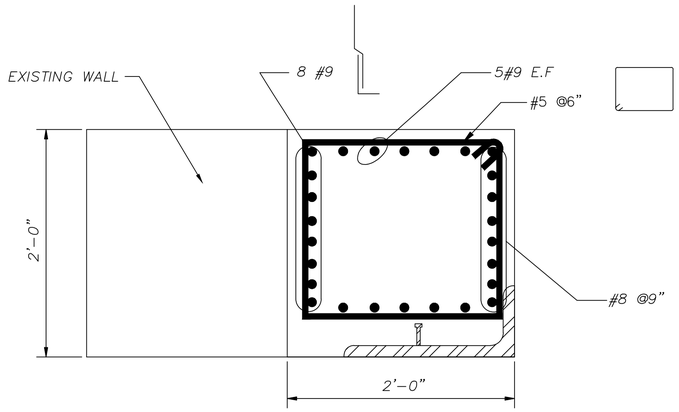
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

STRUCTURAL
CUSTER AVENUE DIVERSION STRUCTURE
EXST CHANNEL & SCREENINGS BLDG
MODIFICATIONS—SECTIONS & DETAIL

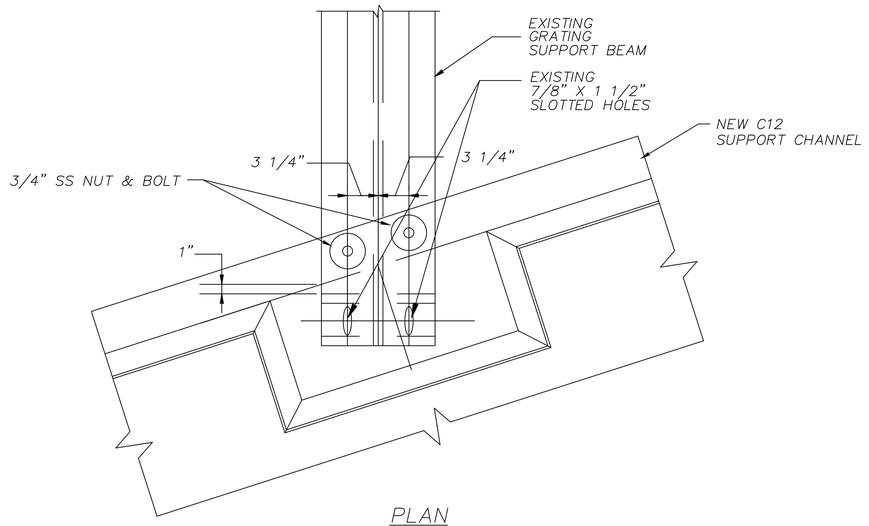
SHEET 167
DWG NO. 4-S-2
DATE OCT 2001
PROJ NO. 135023.CC

05-07-02 SRCSS411.DWG

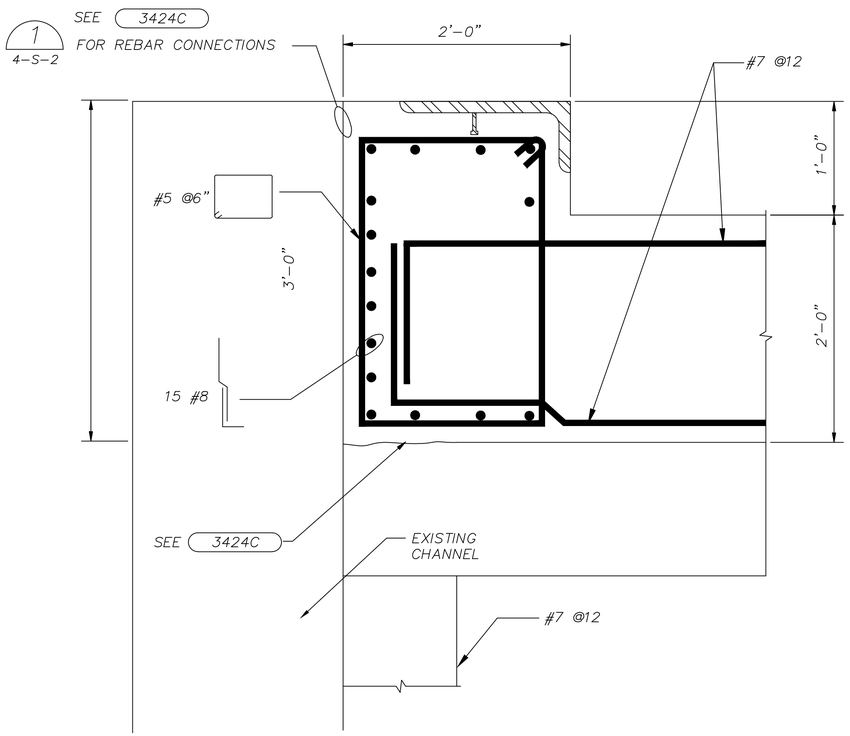
RECORD DRAWINGS



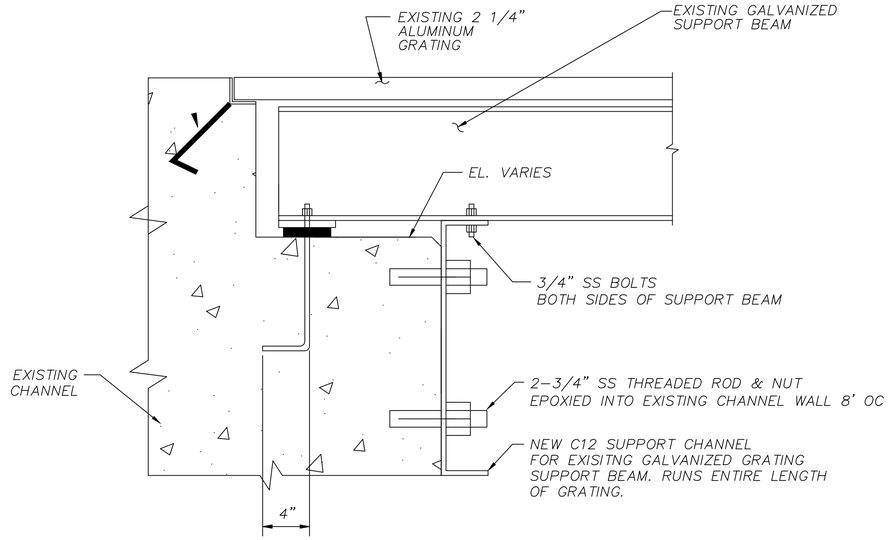
DETAIL 1
1 1/2"=1'-0" 4-S-2



PLAN



DETAIL 2
1 1/2"=1'-0" 4-S-2



ELEVATION

CHANNEL SUPPORT FOR GRATING SUPPORT BEAM 4
1 1/2"=1'-0" 4-S-1

DSGN K. TOLLIVER						
DR T. JOHNSON						
CHK A. GURLASKIE, B. McKENZIE	2	5/02	RECORD DRAWINGS	ATA	LOY	
APVD K. TOLLIVER	4	1/99	DETIAL 5 DELETED			
	NO.	DATE	REVISION	BY	APVD	

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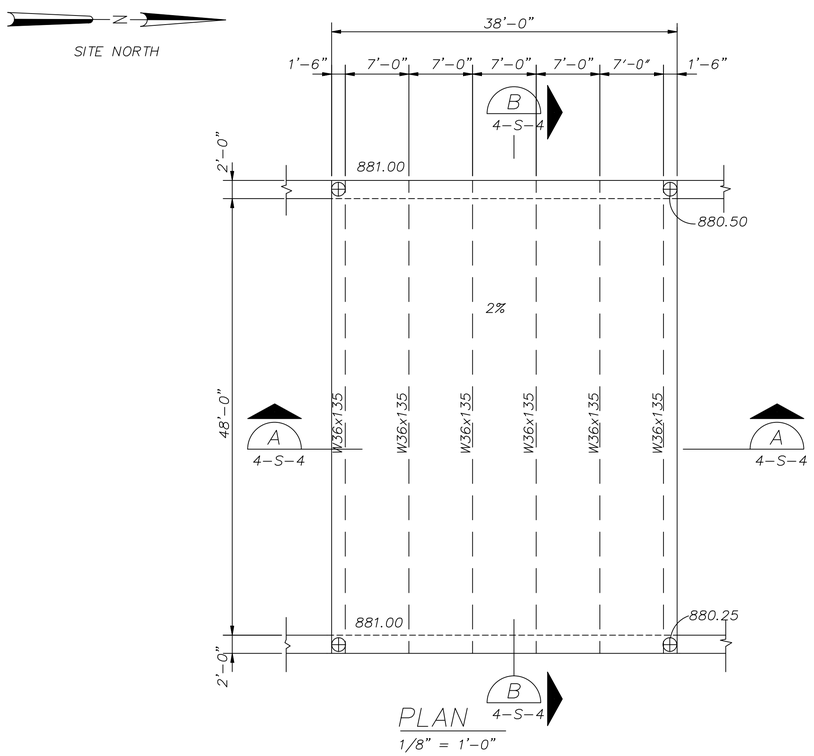
DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

STRUCTURAL
CUSTER AVENUE DIVERSION STRUCTURE EXST CHANNEL & SCREENING BLDG MODIFICATIONS – DETAILS

SHEET	168
DWG NO.	4-S-3
DATE	OCT 2001
PROJ NO.	135023.CC

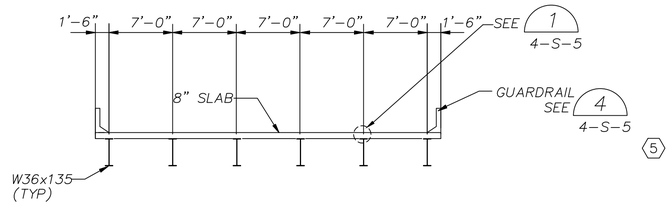
05-07-02 SRCSS410.DWG

RECORD DRAWINGS



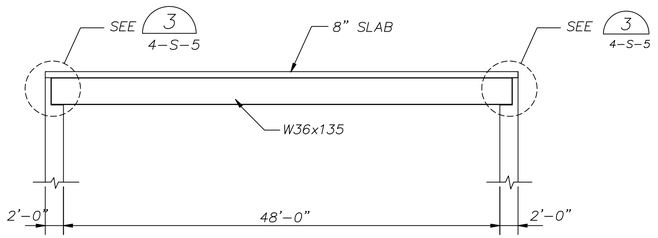
PLAN

1/8" = 1'-0"



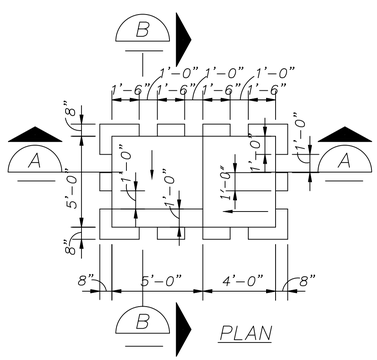
SECTION A

1/8" = 1'-0"

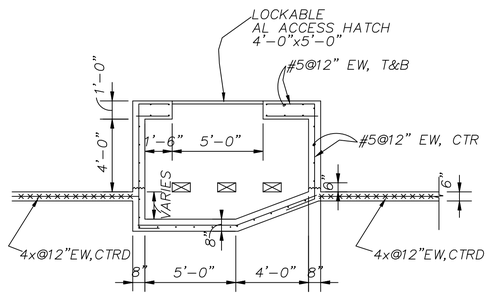


SECTION B

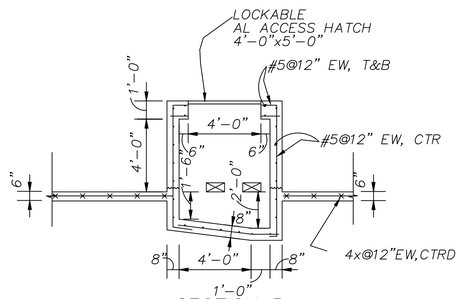
1/8" = 1'-0"



PLAN



SECTION A



SECTION B

DETAIL 6 4-C-2

1/4" = 1'-0"

NO.	DATE	REVISION	BY	APVD
2	5/02	RECORD DRAWINGS	ATA	LOY
5	2/99	ADDENDUM	MSH	CNC

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DR T. JOHNSON
CHK A. GURLASKIE, B. McKENZIE
APVD K. TOLLIVER

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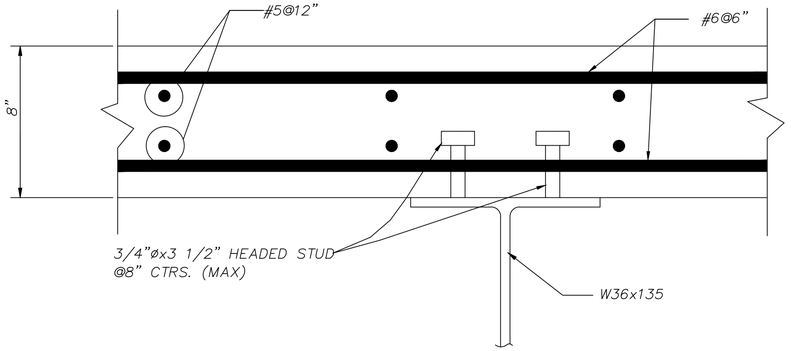
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

STRUCTURAL
CUSTER AVENUE DIVERSION STRUCTURE BYPASS CHANNEL PLAN, SECTIONS AND DETAIL

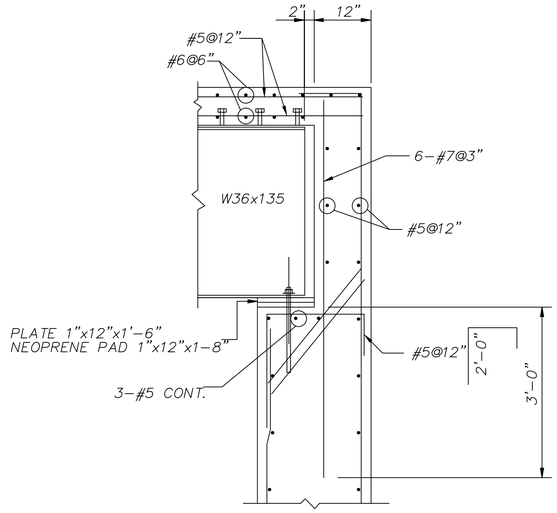
SHEET 169
DWG NO. 4-S-4
DATE OCT 2001
PROJ NO. 135023.CC

05-09-02 SRCSS412.DWG

RECORD DRAWINGS



DETAIL 1 — 4–S–4
3" = 1'–0"



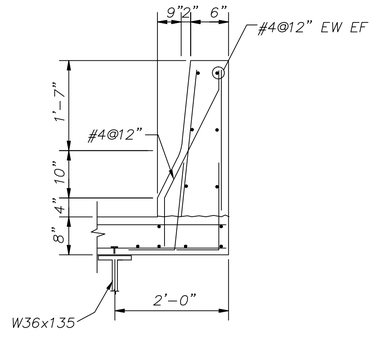
DETAIL 3 — 4–S–4
3/4" = 1'–0"

PAINT EXPOSED STEEL AS PER SPECIFICATIONS SYSTEM No. 344S

⟨5⟩

⟨4⟩

⟨4⟩



DETAIL 4 — 4–S–4
3/4" = 1'–0"

NO.	DATE	REVISION	BY	APVD
3	5/02	RECORD DRAWINGS	ATA	LOY
⟨5⟩	2/99	ADDENDUM	MSH	CNC
⟨4⟩	1/99	DELETED DETAIL 2 & DETAIL 5	TML	JDM

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DR T. JOHNSON
CHK A. GURLASKIE, B. McKENZIE
APVD K. TOLLIVER

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DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

STRUCTURAL
CUSTER AVENUE DIVERSION STRUCTURE BYPASS CHANNEL SECTIONS & DETAILS

SHEET 170
DWG NO. 4–S–5
DATE OCT 2001
PROJ NO. 135023.CC

05–07–02 SRCSS413.DWG

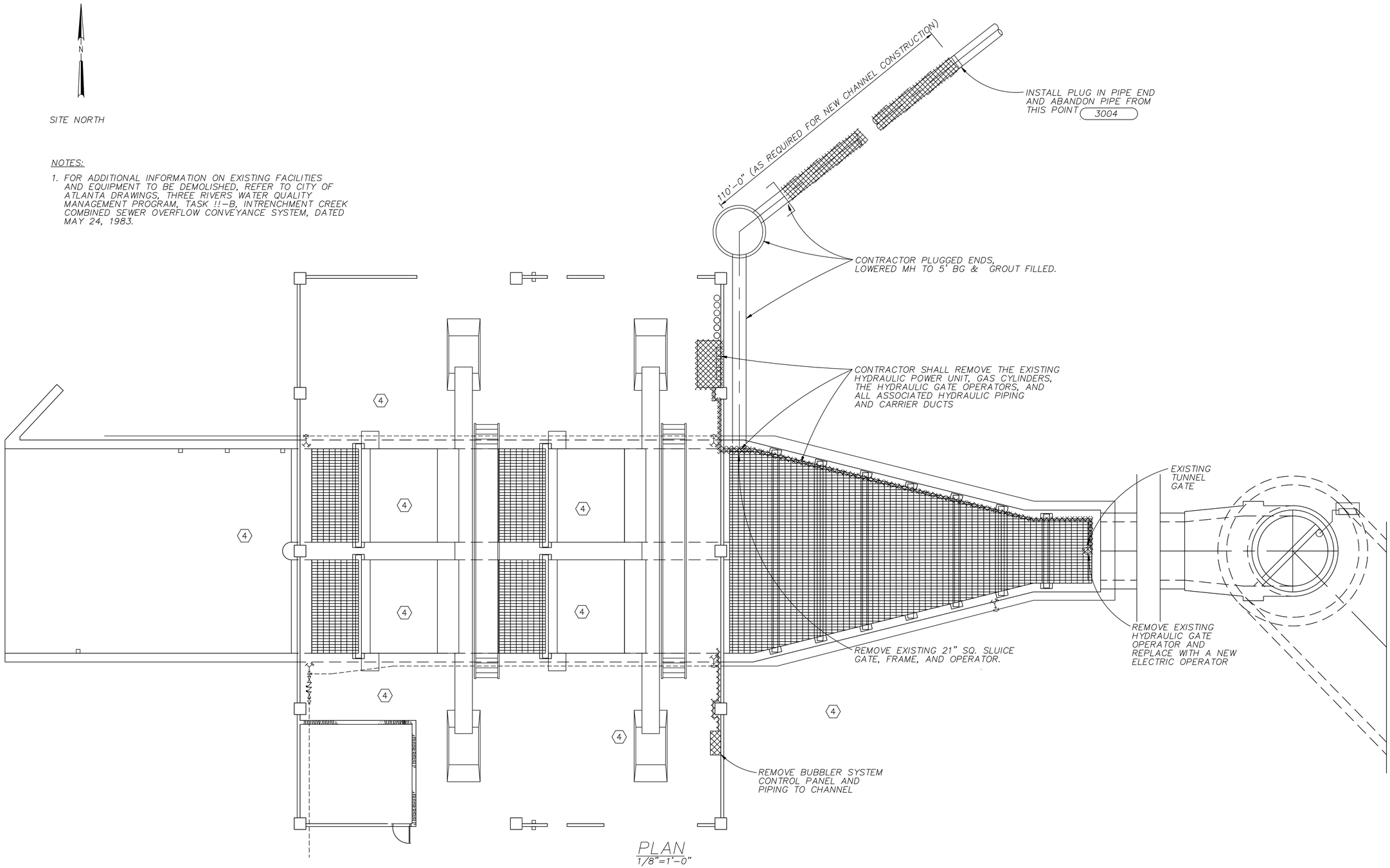
RECORD DRAWINGS

N

SITE NORTH

NOTES:

1. FOR ADDITIONAL INFORMATION ON EXISTING FACILITIES AND EQUIPMENT TO BE DEMOLISHED, REFER TO CITY OF ATLANTA DRAWINGS, THREE RIVERS WATER QUALITY MANAGEMENT PROGRAM, TASK !!–B, INTRENCHMENT CREEK COMBINED SEWER OVERFLOW CONVEYANCE SYSTEM, DATED MAY 24, 1983.



PLAN
1/8"=1'–0"

NO.	DATE	REVISION	BY	APVD
2	5/02	RECORD DRAWINGS	ATA	LOY
1	2/99	REMOVED NEW AND REPLACED EXISTING COARSE TRASH RACKS, SCREENING BINS AND FINE TRASH RACKS, REMOVED ASSOC. NOTES.		

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DR T. JOHNSON
CHK A. GURLASKIE, B. McKENZIE
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CITY OF ATLANTA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

MECHANICAL
CUSTER AVENUE DIVERSION STRUCTURE MISCELLANEOUS REHABILITATION OF EXISTING EQUIPMENT

SHEET 175
DWG NO. 4–M–1
DATE OCT 2001
PROJ NO. 135023.CC

05–07–02 SRCSM407.DWG

RECORD DRAWINGS

GENERAL NOTES

1. THESE PHOTOS ARE REFERENCED ON 4-C-1 AND 4-M-3, PHOTO INDICATORS ON THOSE SHEETS SHOW PHOTO NUMBER AND DIRECTION. (X)
2. DIGESTERS 3 & 4 TO BE CLEANED & PURGED, INCLUDING FLOATING ROOF GAS DOME & INTERSTITIAL SPACE.

   THE SCOPE OF THE CLEANING AND PURGING WORK IS ADDRESSED IN SPECIFICATION SECTION 01010, SUMMARY OF WORK.
   THE PROPOSED SEQUENCE OF WORK IS ADDRESSED IN SPECIFICATION SECTION 01040, COORDINATION ATTACHEMENT A.

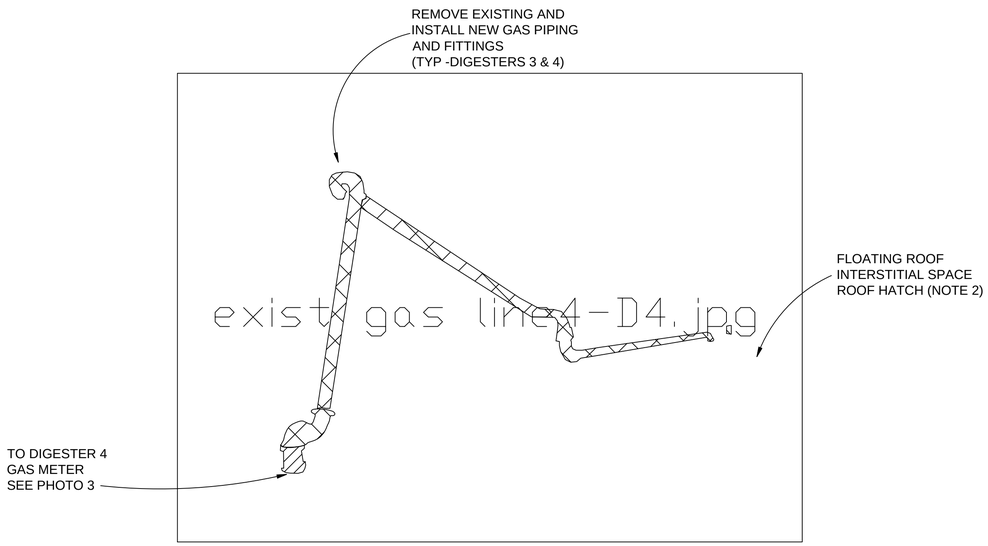

PHOTO 1 4-C-1
DIGESTER 4 GAS & SWIVEL JOINT
LOOKS SOUTH

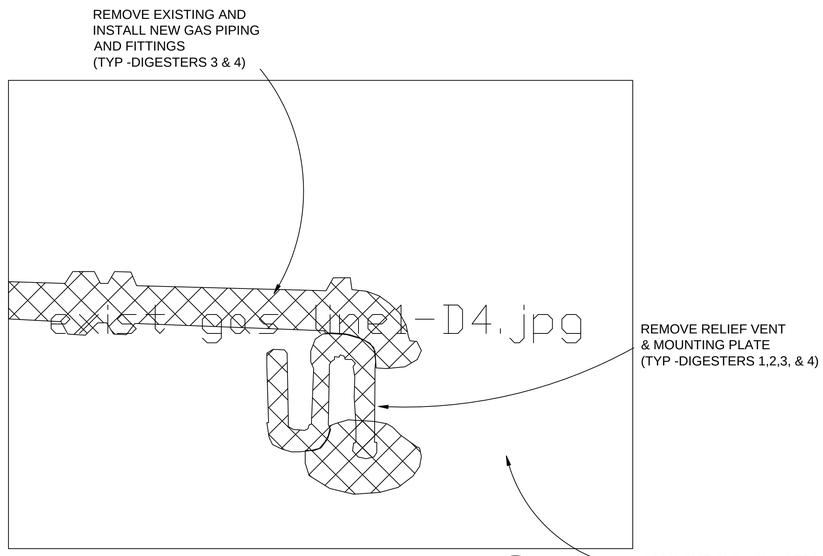

PHOTO 2 4-C-1
DIGESTER 4 GAS PIPE & RELIEF VENT
LOOKS SOUTH

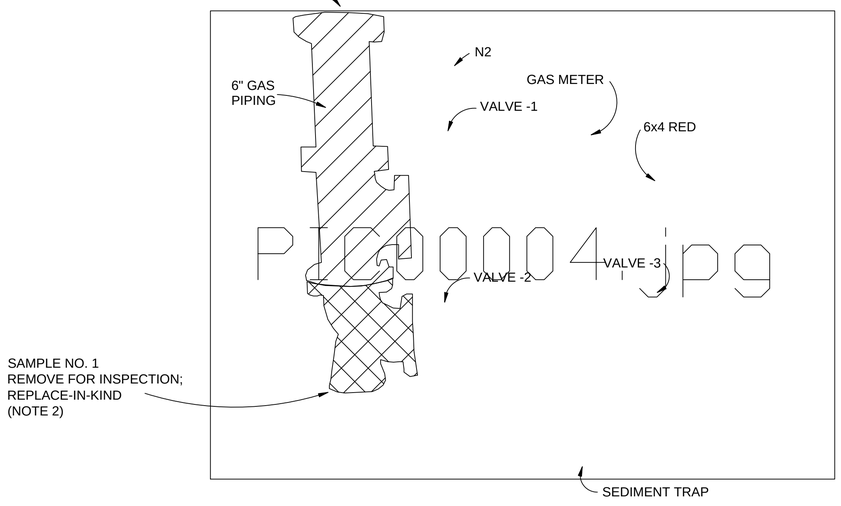

PHOTO 3 4-M-3
DIGESTER 4 GAS METER
LOOKS WEST

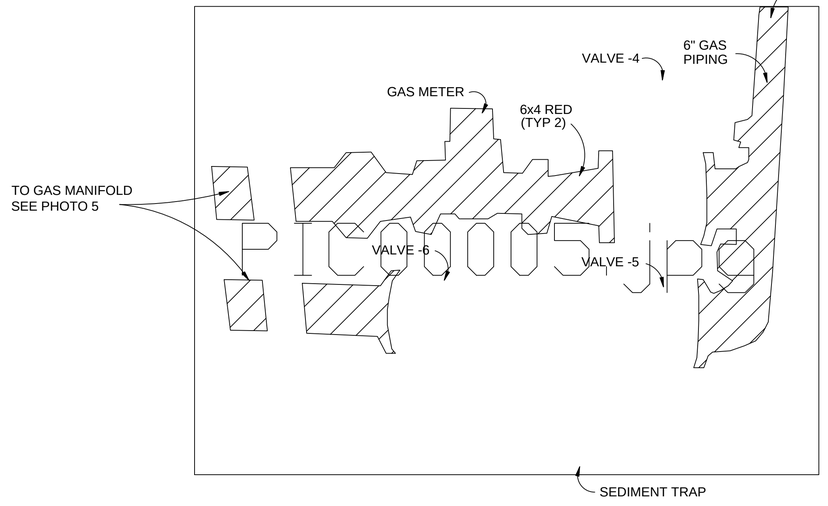

PHOTO 4 4-M-3
DIGESTER 3 GAS METER
LOOKS EAST

LEGEND

- PURGE PIPING
- DEMOLISH & REPLACE

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APVD	C.CRANDALL	1	6/02	RECORD DRAWINGS	MSH	LOY	
		NO.	DATE	REVISION	BY	APVD	

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CITY OF ATLANTA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES

EAST AREA CSO IMPROVEMENTS
PHASE 2

MECHANICAL

INTRENCHMENT CREEK WRC
DIGESTER GAS PIPING

SHEET	288CC
DWG	4-M-1
DATE	JUNE 2002
PROJ	152294.DS

2294M-1.dwa 20-JUN-2002

N

SITE NORTH

ABANDON EXISTING 21" RCP AFTER PIPE REMOVAL AND PLUGGING SEE DWG 4-M-1 (PIPE PLUG IS APPROXIMATELY 90 FEET DUE EAST OF THE CORNER OF THE BUILDING)

RECTANGULAR OPEN CHANNEL

90QL 0900B

90QN 0900B

CL2 90AIT 0903

90AE 0903

90AE 0902

90AIT 0902 H2S

13390 (TYP)

90AE 0901

90AIT 0901 LEL

CONTRACTOR SHALL RELOCATE EXST 2" WATER LINE BELOW ALL NEW CONSTRUCTION IN THIS AREA

91LT 0002

SEE NOTE 1 (TYP) 91LE 0001

EXISTING NORTH CHANNEL COARSE SCREEN

EXISTING NORTH CHANNEL FINE SCREEN

BYPASS GATE (TYP)

90G0031

90G0032

90G0033

TUNNEL LEVEL BUBBLER PANEL 90FP0050

INSTRUMENTATION ENCLOSURE 90MN

VEL 91NE 00011

VEL 91NE 00012

SEE NOTE 1 (TYP)

EXISTING TUNNEL GATE

A 4-M-3

VEL 91NE 00013

VEL 91NE 00014

90G0040

REPLACE EXISTING HYDRAULIC GATE OPERATOR WITH ELECTRIC OPERATOR

A 4-M-3

PROVIDE 13257 3" SST CARRIER PIPING FOR BUBBLER TUBING

EXISTING SOUTH CHANNEL COARSE SCREEN

EXISTING SOUTH CHANNEL FINE SCREEN

90CP0001

13386

90FIT 0001

90LIT 0001

90LX 0002

90QN 0900A

13388

90QL 0900A

13388

PLAN
1/8"=1'-0"

NOTES:

1. COORDINATE INSTALLATION DETAILS AND LOCATION WITH MANUFACTURER. MOUNTING ASSEMBLIES FOR LEVEL AND VELOCITY ELEMENTS PROVIDED BY MANUFACTURER.

2	5/02	RECORD DRAWINGS	ATA	LOY
4	1/99	ADDED 90C90001. REMOVED 90F90011 & 90FP0021. REMOVED COARSE SCREENS, SCREENING BINS AND FINE SCREENS.		
NO.	DATE	REVISION	BY	APVD

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DR T. JOHNSON
CHK A. GURLASKIE B. McKENZIE
APVD K. TOLLIVER

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DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

MECHANICAL
CUSTER AVENUE DIVERSION STRUCTURE SCREEN INSTALLATION PLAN

SHEET 176
DWG NO. 4-M-2
DATE OCT 2001
PROJ NO. 135023.CC

05-07-02 SRCSM404.DWG

RECORD DRAWINGS

GENERAL NOTES

1. THESE PHOTOS ARE REFERENCED ON 4-C-1 AND 4-M-3, PHOTO INDICATORS ON THOSE SHEETS SHOW PHOTO NUMBER AND DIRECTION. (X)

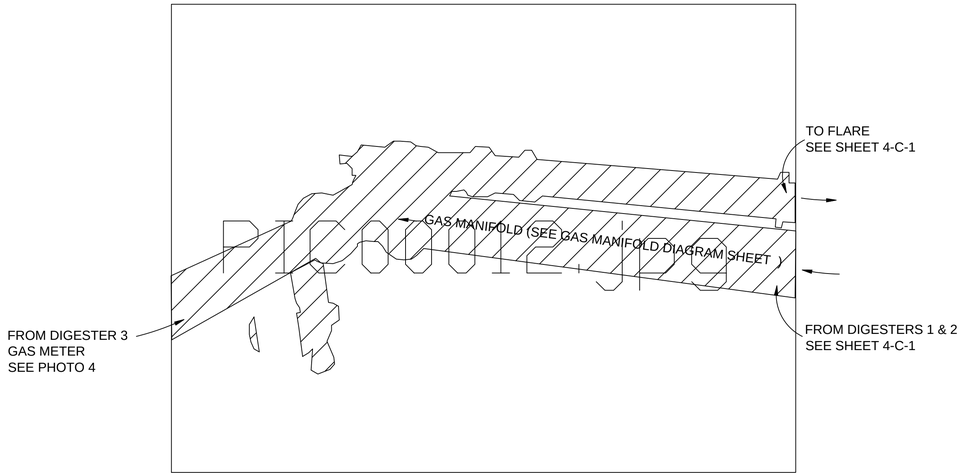

PHOTO 5
DIGESTERS 1 & 2 VALVE HOUSE 4-M-3
LOOKS WEST

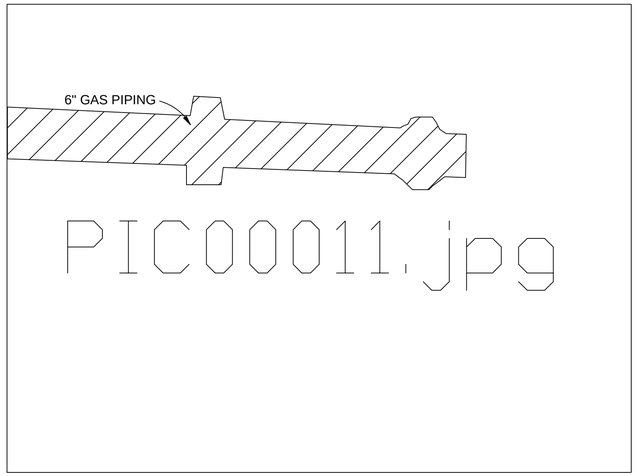

PHOTO 7
DIGESTERS 3 & 4 VALVE HOUSE 4-M-3
LOOKS NORTHWEST

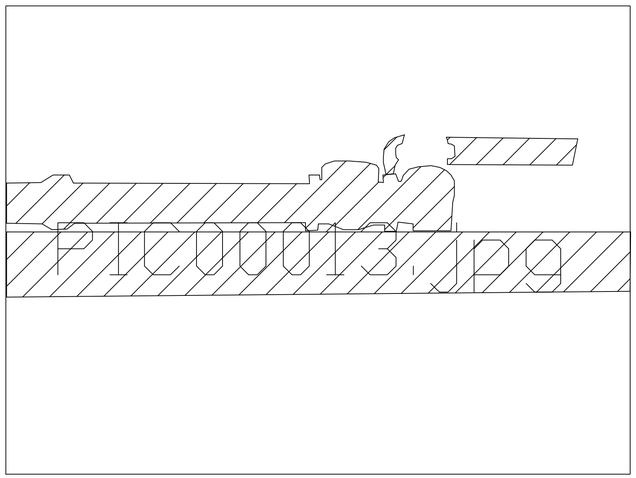

PHOTO 6
DIGESTERS 1 & 2 VALVE HOUSE 4-M-3
LOOKS WEST

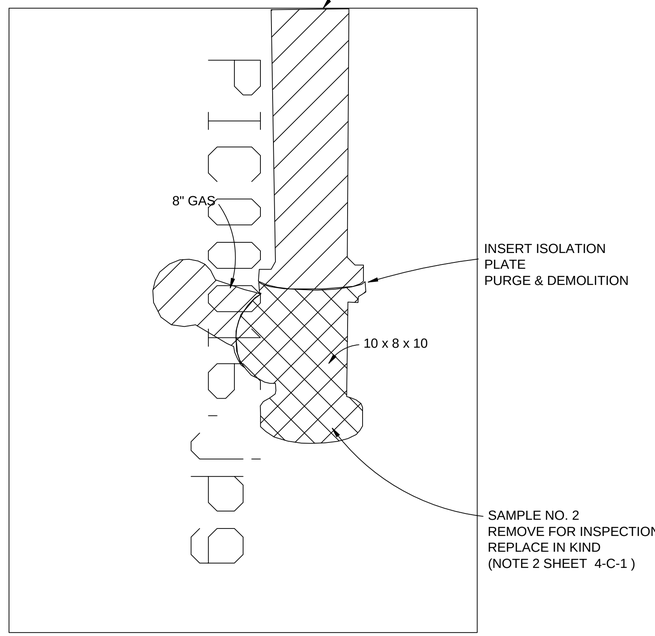

PHOTO 8
DIGESTERS 1 & 2 VALVE HOUSE 4-C-1
LOOKS NORTHWEST

LEGEND

PURGE PIPING

DEMOLISH & REPLACE

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CHK	F.CARPENTER						
APVD	C.CRANDALL	1	6/02	RECORD DRAWINGS	MSH	LOY	
		NO.	DATE	REVISION	BY	APVD	

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DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES

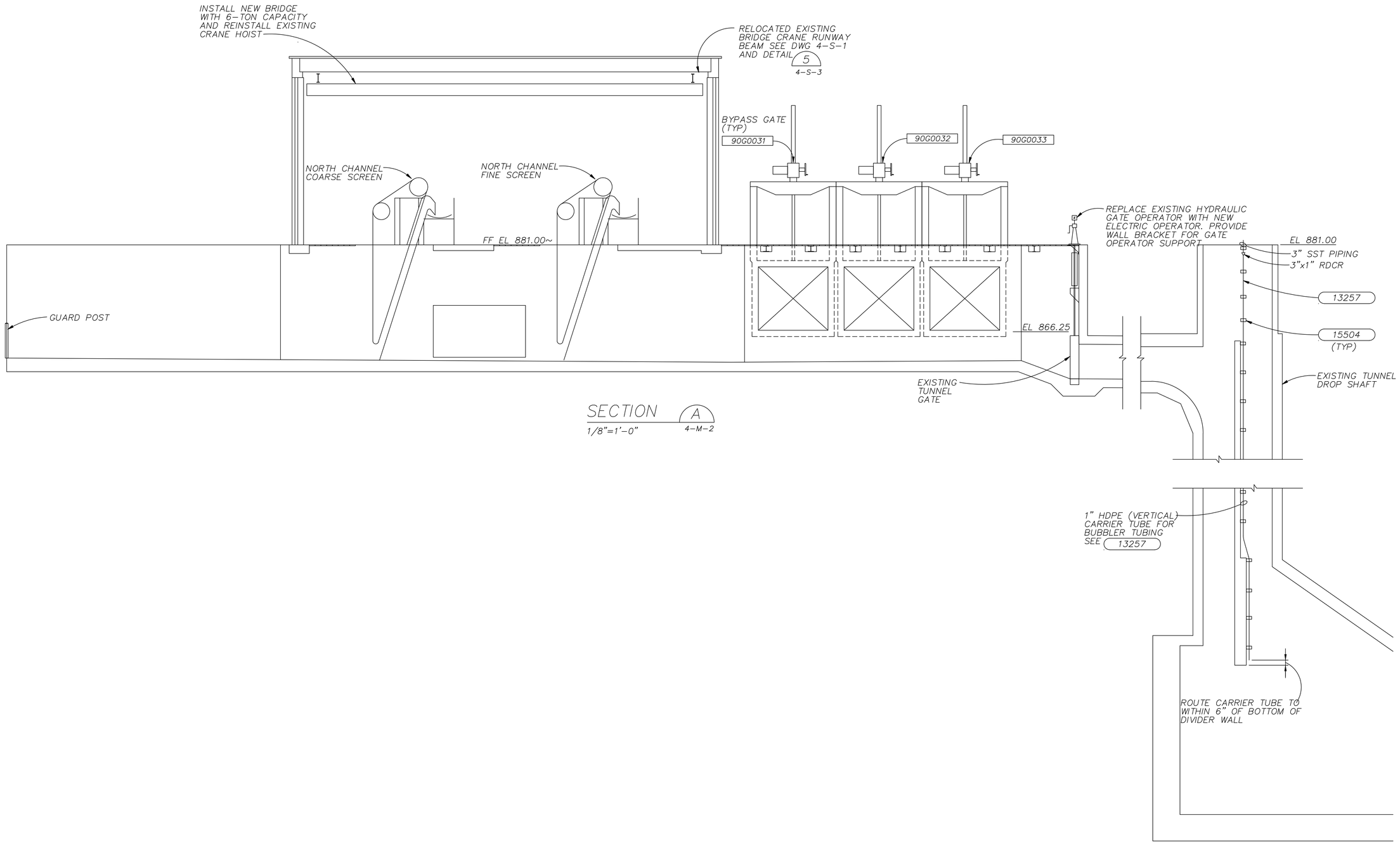
EAST AREA CSO IMPROVEMENTS
PHASE 2

MECHANICAL

INTRENCHMENT CREEK WRC
DIGESTER GAS PIPING

SHEET	288DD
DWG	4-M-2
DATE	JUNE 2002
PROJ	152294.DS

2294M-2.dwg 20-JUN-2002



SECTION A 4-M-2
1/8"=1'-0"

DSGN K. TOLLIVER						
DR T. JOHNSON						
CHK A. GURLASKIE B. McKENZIE	1	5/02	RECORD DRAWINGS	ATA	LOY	
APVD K. TOLLIVER	NO.	DATE	REVISION	BY	APVD	

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VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CITY OF ATLANTA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

MECHANICAL
CUSTER AVENUE DIVERSION STRUCTURE SCREEN INSTALLATION SECTION

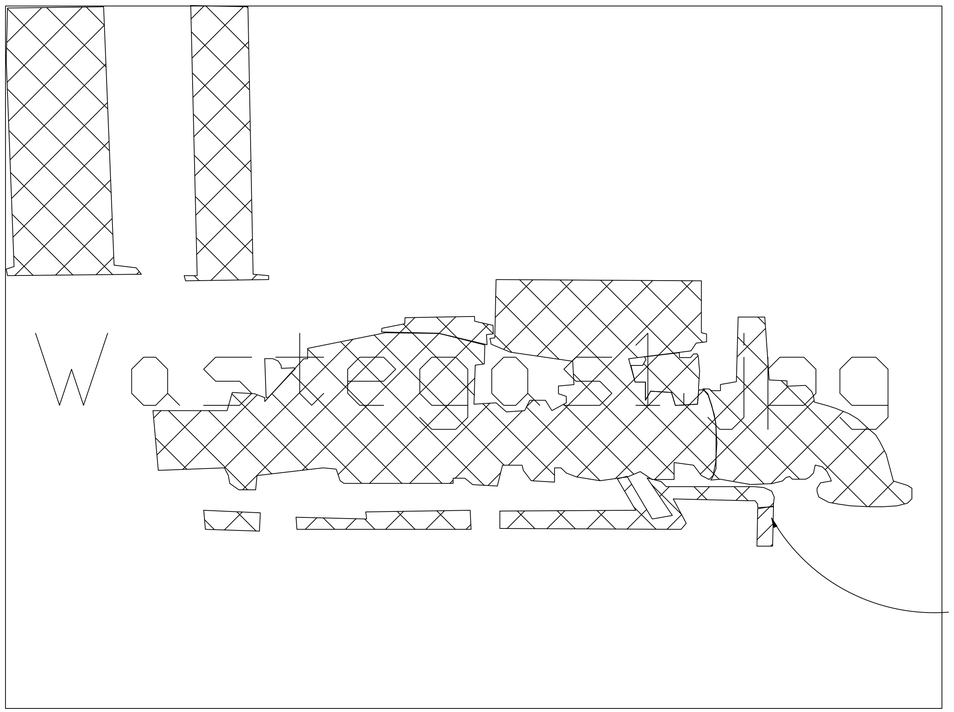
SHEET 177
DWG NO. 4-M-3
DATE OCT 2001
PROJ NO. 135023.CC

05-07-02 SRCSM405.DWG

RECORD DRAWINGS

GENERAL NOTES

1. PHOTO INDICATOR SHOWS PHOTO NUMBER & DIRECTION (X)
2. PHOTO 9 IS REFERENCED ON 4-C-1.
3. THE SCOPE OF THE CLEANING AND PURGING WORK IS ADDRESSED IN SPECIFICATION SECTION 01010, SUMMARY OF WORK.
   THE PROPOSED SEQUENCE OF WORK IS ADDRESSED IN SPECIFICATION SECTION 01040, COORDINATION ATTACHMENT A.



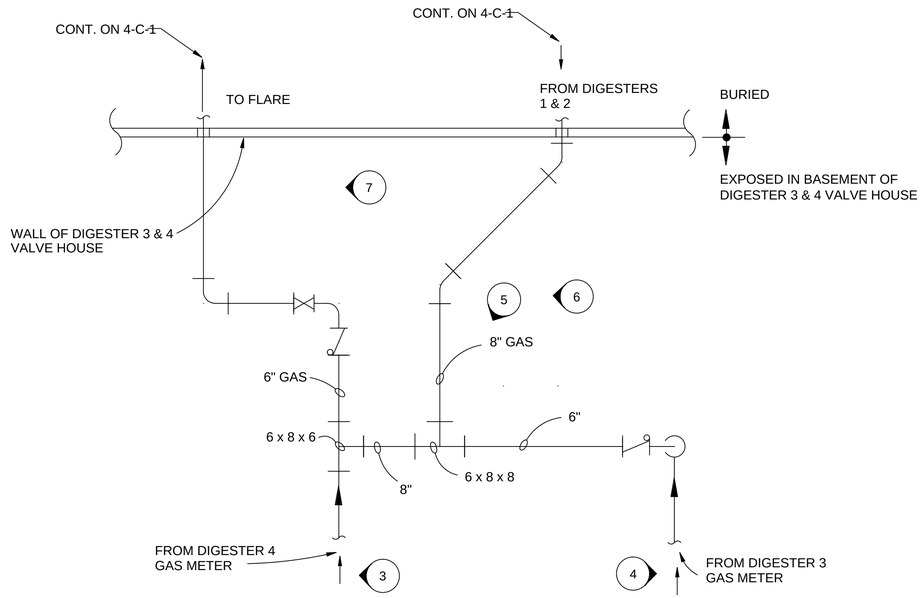
(2) 1-1/2" DIA & (1) 1" DIA GAS RISERS; CAP RISERS ABOVE GRADE WITH 150 LB GALVANIZED STEEL CAPS (NOTE 7, SHEET 4-C-1)

PHOTO 9 (4-C-1)
FLARE
LOOKS NORTHEAST

LEGEND

PURGE PIPING

DEMOLISH & REPLACE



GAS MANIFOLD DIAGRAM
PLAN VIEW
NTS

RECORD DRAWINGS REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2MHILL. ©CH2M HILL

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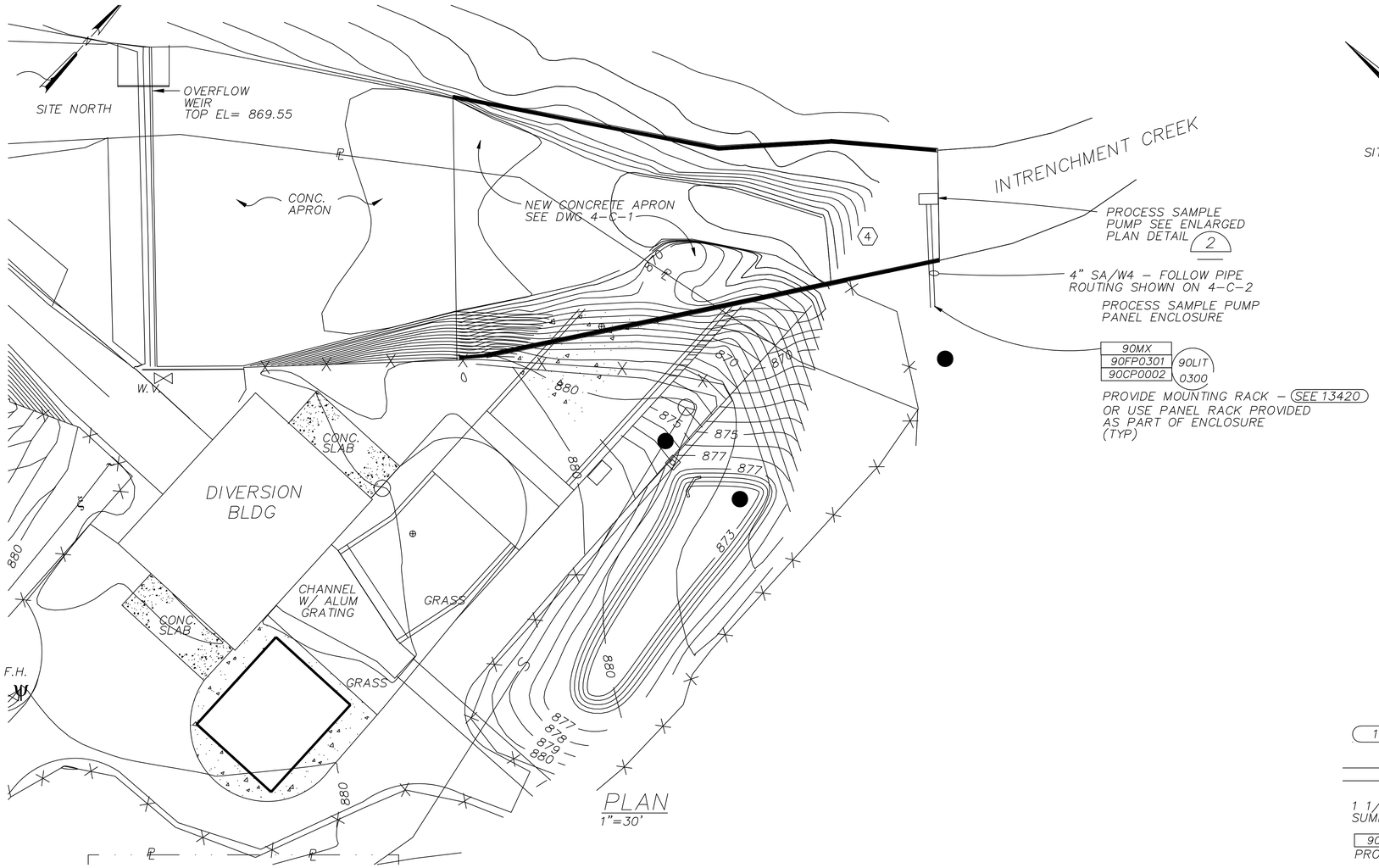
DR	K.OSIER						BAR IS ONE INCH ON ORIGINAL DRAWING. 0 ——— 1"	CITY OF ATLANTA DEPARTMENT OF PUBLIC WORKS DIVISION OF WASTEWATER SERVICES
CHK	F.CARPENTER	1	6/02	RECORD DRAWINGS	MSH	LOY	IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	EAST AREA CSO IMPROVEMENTS PHASE 2
APVD	C.CRANDALL	NO.	DATE	REVISION	BY	APVD		

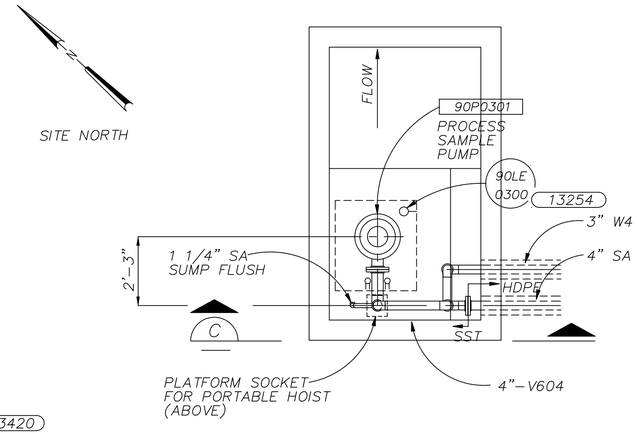
MECHANICAL

INTRENCHMENT CREEK WRC
DIGESTER GAS PIPING

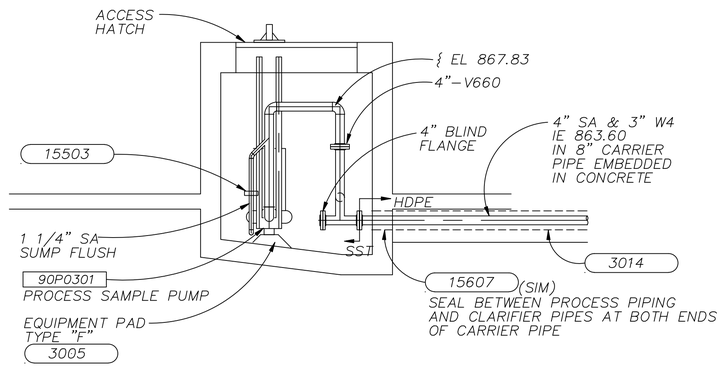
SHEET	288EE
DWG	4-M-3
DATE	JUNE 2002
PROJ	152294.DS

2294M-3.dwg 20-JUN-2002





PLAN



SECTION C

ENLARGED PLAN–PROCESS SAMPLE PUMP 2

NTS

NO.	DATE	REVISION	BY	APVD
2	5/02	RECORD DRAWINGS	ATA	LOY
4	1/99	RECORD DRAWINGS	ATA	LOY

DSGN K. TOLLIVER
DR T. JOHNSON
CHK A. GURLASKIE, B. McKENZIE
APVD K. TOLLIVER

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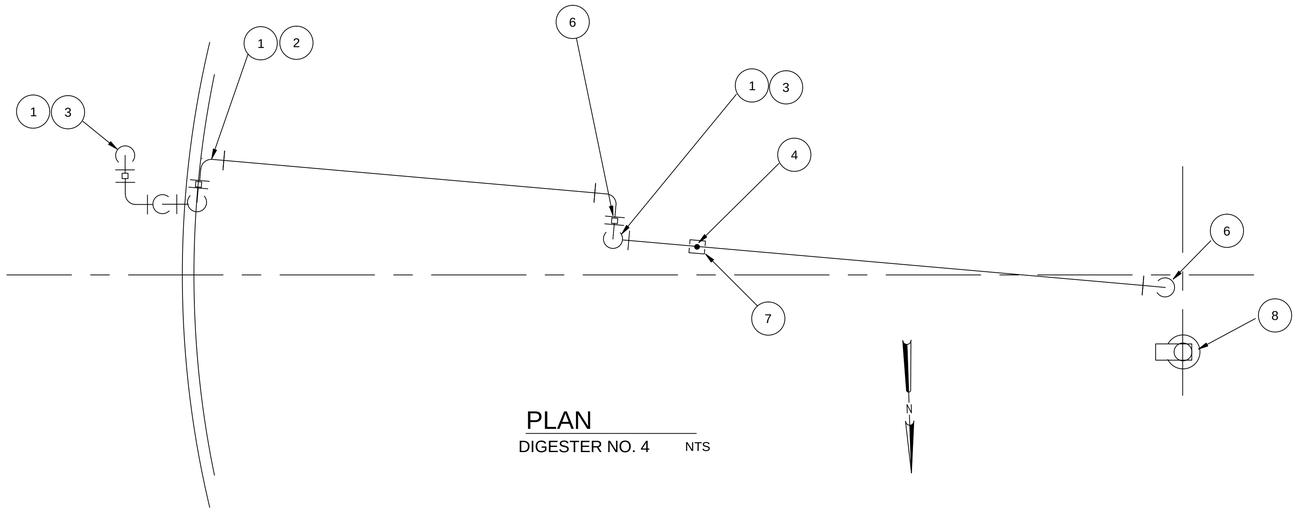
CITY OF ATLANTA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

MECHANICAL
CUSTER AVENUE DIVERSION STRUCTURE DECHLORINATION DIFFUSERS & SAMPLE PUMP – PLAN AND DETAIL

SHEET 178
DWG NO. 4-M-4
DATE OCT 2001
PROJ NO. 135023.CC

05-07-02 SRCSM408.DWG

RECORD DRAWINGS



PLAN

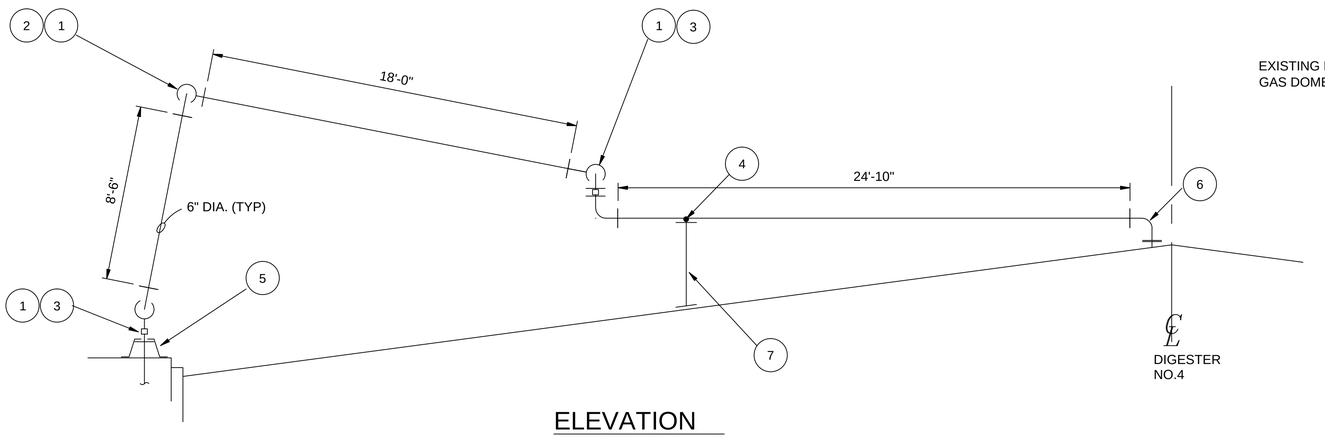
DIGESTER NO. 4 NTS

GENERAL NOTES

1. DEMO & REPLACE GAS PIPING, FITTINGS, & SWIVEL JOINT DIGESTERS 3 & 4.
   DEMO VENT PIPE & INSTALL RELIEF VALVE W/FLAME ARRESTER DIGESTERS 1,2,3, & 4.
2. ISOLATE AND PURGE PIPING BEFORE & AFTER WORK.
   PURGE SYSTEM OF AIR BEFORE PLACING BACK INTO OPERATION.
   THE SCOPE OF THE CLEANING AND PURGING WORK IS ADDRESSED IN SPECIFICATION SECTION 01010, SUMMARY OF WORK.
   THE PROPOSED SEQUENCE OF WORK IS ADDRESSED IN SPECIFICATION SECTION 01040, COORDINATION ATTACHEMENT A.
3. DIGESTER NO.4 SHOWN. PERFORM SAME WORK FOR DIGESTER NO.3 WHICH IS OPPOSITE HAND.
4. THE EXTERIOR OF ALL FERROUS METAL COMPONENTS TO BE FIELD PAINTED PER SPECIFICATION 09900, SYSTEM 247.

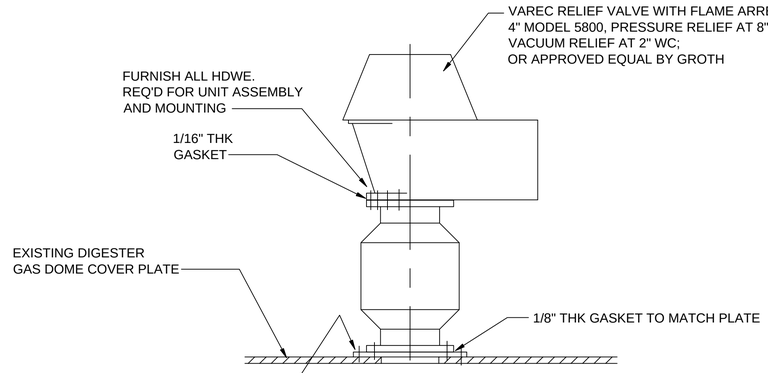
NUMBERED NOTES

1. OWNER FURNISHED ITEM
2. 6" OPW #3440F-0603 SWIVEL JOINT
3. 6" OPW #3450F-0603 SWIVEL JOINT
4. U-BOLT PIPE SUPPORT GRINNEL FIG. 137
5. REUSE EXISTING BRACES
6. NEW 90° ELL
7. EXISTING PIPE SUPPORT
8. 4" RELIEF VALVE AND FLAME ARRESTER, DETAIL -1, THIS SHEET; DEMO VENT PIPE & INSTALL RELIEF VALVE AND FLAME ARRESTER ASSEMBLY ON DIGESTERS 1,2,3, & 4.



ELEVATION

DIGESTER NO. 4 NTS



DETAIL 1

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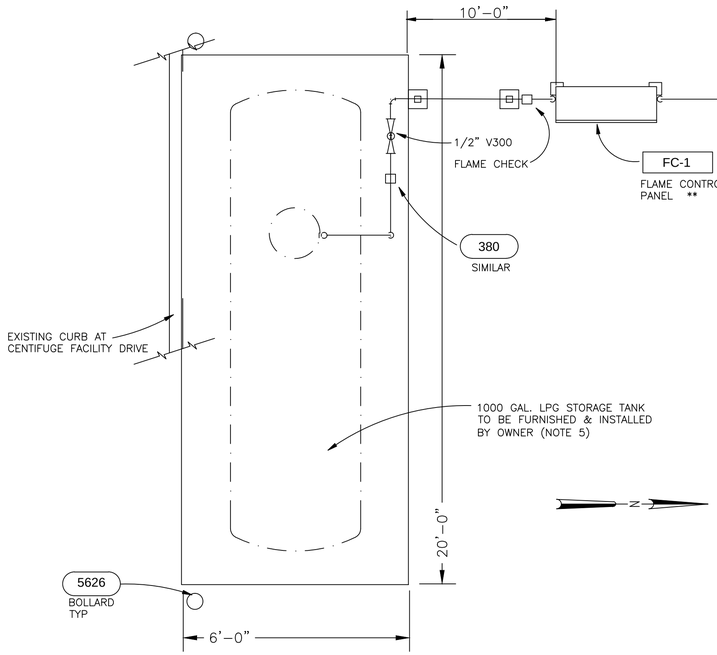
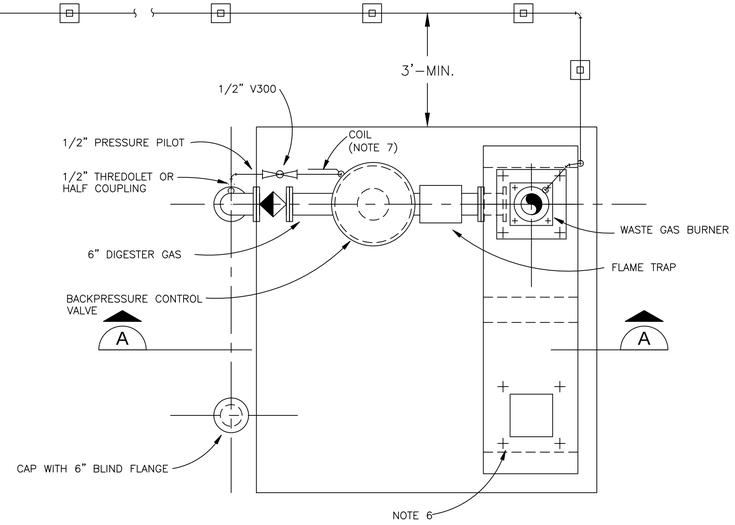
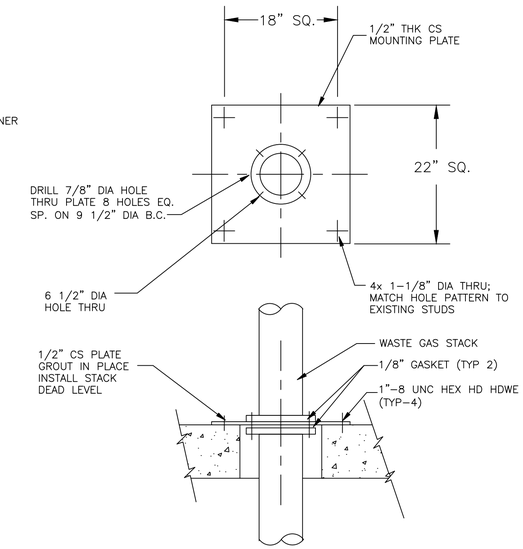
DR B.HELTON							BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	EAST AREA CSO IMPROVEMENTS PHASE 2	INTRENCHMENT CREEK WRC SWIVEL PIPING	DWG 4-M-4
CHK F.CARPENTER							CH2MHILL			DATE JUNE 2002
APVD C.CRANDALL	1	6/02	RECORD DRAWINGS	MSH	LOY					PROJ 152294.DS
	NO.	DATE	REVISION	BY	APVD					

2294M-4.dwg 20-JUN-2002

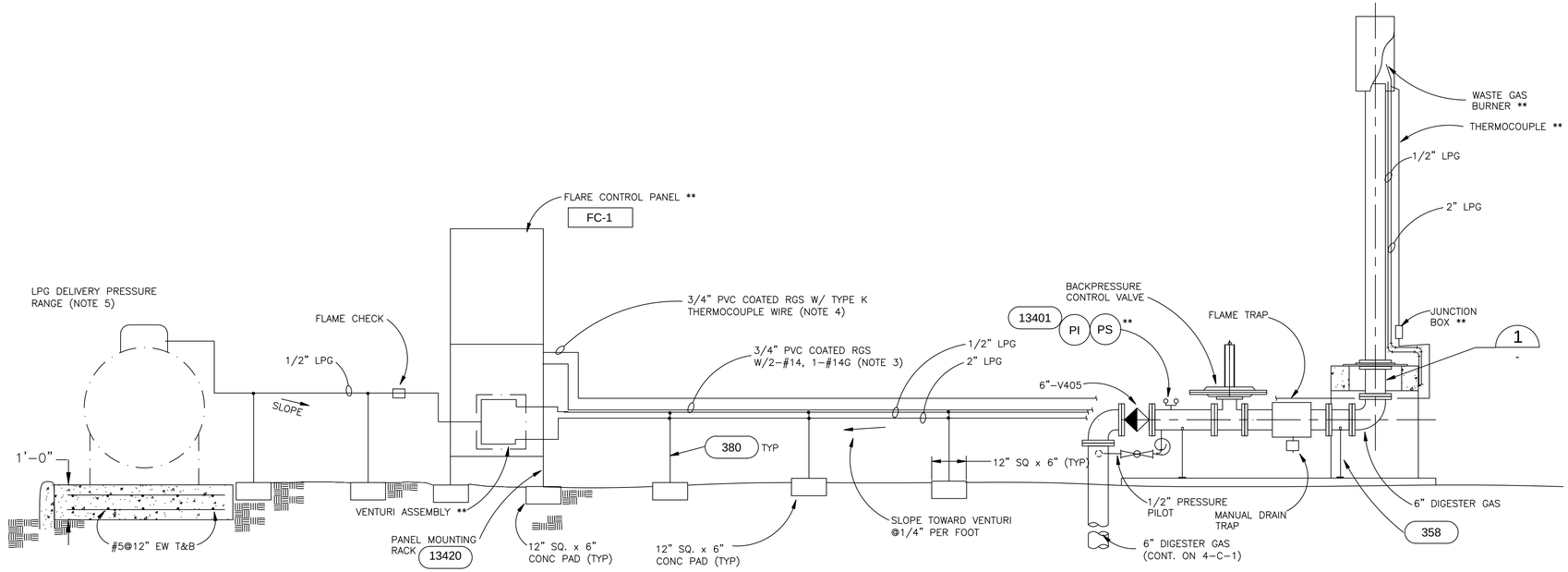




PLAN
1/4" = 1'-0"



DETAIL 1
1/2" = 1'-0"



SECTION A
1/4" = 1'-0"

GENERAL NOTES

1. FIELD VERIFY THE DIMENSIONS & SIZES OF EXISTING PIPING, EQUIPMENT & STRUCTURES BEFORE PURCHASING OR FABRICATING COMPONENTS.
2. ** - FURNISHED UNDER SPECIFICATION SECTION 11383, DIGESTER GAS BURNER / IGNITION SYSTEM.
3. CONDUCTORS SHALL BE STRANDED COPPER THHN/THWN INSULATION, 600V.
4. THERMOCOUPLE WIRE TO BE SUITABLE FOR TYPE K THERMOCOUPLES BELDON 83905 OR EQUAL.
5. LPG DELIVERY PRESSURE TO THE VENTURI ASSEMBLY SHALL BE BETWEEN 15 & 20 PSIG. DELIVERY PRESSURE REGULATOR FURNISHED W/TANK BY OWNER
6. CUT OFF ANCHOR BOLTS ABOVE NUTS; GRIND SMOOTH (TYP 4)
7. COIL SENSING LINE AS NECESSARY TO PROVIDE 10'-0" OF SENSING LINE LENGTH.

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DR	B.HELTON						BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
CHK	F.CARPENTER	1	6/02	RECORD DRAWINGS	MSH	LOY	
APVD	C.CRANDALL	NO.	DATE	REVISION	BY	APVD	

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CITY OF ATLANTA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES

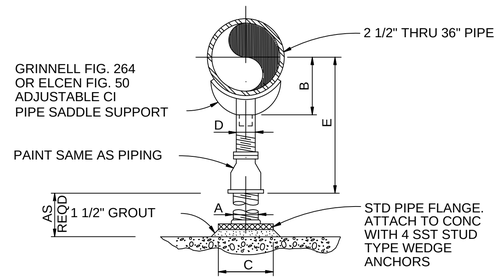
EAST AREA CSO IMPROVEMENTS
PHASE 2

MECHANICAL

INTRENCHMENT CREEK WRC
FLARE DETAILS

SHEET	288GG
DWG	4-M-5
DATE	JUNE 2002
PROJ	152294.DS

2294M-5.dwg 20-JUN-2002



NOTES;

1. PROVIDE HALF ROUND RIGID INSULATION AND INSULATION PROTECTION SHIELD, SIMILAR TO GRINNELL FIGURE 167 OR ELCEN FIGURE 219, WHERE PIPING IS INSULATED.
2. PROVIDE NEOPRENE WAFFLE ISOLATION PAD, SIMILAR TO MASON TYPE 'W' OR KORFUND KORPAD 40, UNDER SUPPORT FOOT WHEN PIPING IS ISOLATED OR SUPPORT IS ADJACENT TO MECHANICAL EQUIPMENT.
3. FOR BASE, HEIGHT AND FLANGE DIMENSIONS, SEE TABLE.

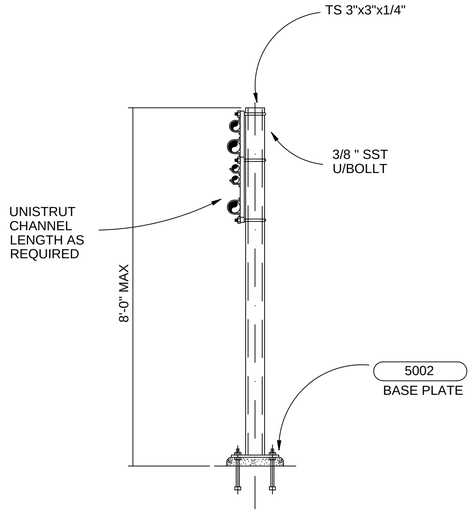
DIMENSION TABLE

PIPE SIZE	A	B	C	D	E	
					MIN	MAX
2-1/2"	2-1/2"	3-1/2"	9"	1-1/2"	8"	13"
3"	2-1/2"	3-3/4"	9"	1-1/2"	8-1/4"	13-1/4"
3-1/2"	2-1/2"	4"	9"	1-1/2"	8-1/2"	13-1/2"
4"	3"	4-1/4"	9"	2-1/2"	9-1/4"	14"
5"	3"	4-7/8"	9"	2-1/2"	10"	14-3/4"
6"	3"	5-1/2"	9"	2-1/2"	10-1/2"	15-1/4"
8"	3"	6-7/8"	9"	2-1/2"	11-3/4"	16-1/2"
10"	3"	8-1/2"	9"	2-1/2"	13-1/2"	18-1/4"
12"	3"	9-15/16"	9"	2-1/2"	15"	19-3/4"
14"	4"	10-15/16"	11"	3"	16-1/4"	20-3/4"
16"	4"	12-3/8"	11"	3"	17-3/4"	22-1/4"
18"	6"	13-7/8"	13-1/2"	3-1/2"	19-1/2"	24"
20"	6"	15-3/8"	13-1/2"	3-1/2"	21"	25-1/2"
24"	6"	17-15/16"	13-1/2"	4"	23-3/4"	28-1/4"
30"	6"	21-5/16"	13-1/2"	4"	27"	31-1/2"
32"	6"	22-1/2"	13-1/2"	4"	28-1/4"	32-3/4"
36"	6"	24-1/2"	13-1/2"	4"	30-1/4"	34-3/4"

PIPE SUPPORT

NTS

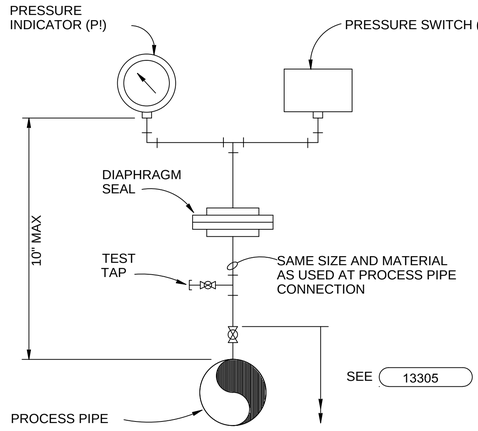
358



PIPE SUPPORT

NTS

380



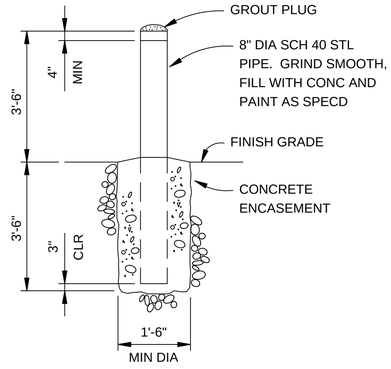
DIRECT MOUNTING W/ DIAPHRAGM SEAL

NOTE:
INDICATOR AND SWITCH INSTALLATION SHOWN. FOR SINGLE INSTRUMENT INSTALLATIONS, MOUNT DEVICE DIRECTLY ABOVE DIAPHRAGM SEAL.

PRESSURE SWITCH AND INDICATOR INSTALLATION

NTS

13401

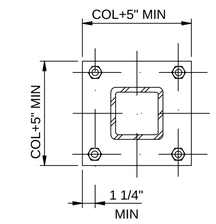


EXTERIOR

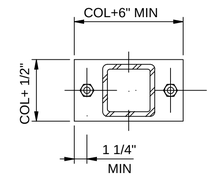
GUARD POST

NTS

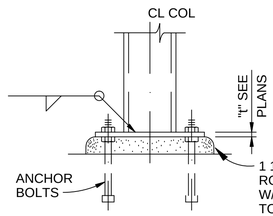
5626



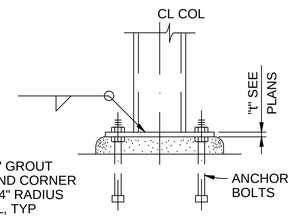
TYPE "A" PLAN



TYPE "B" PLAN



TYPE "A" ELEVATION



TYPE "B" ELEVATION

NOTES:

1. ANCHOR BOLTS SHALL BE 3/4" DIA x 1'-0" WITH LEVELING NUTS UNLESS OTHERWISE SHOWN.
2. GROUT SHALL BE NONSHRINK AS PER SPECIFICATIONS, FLOWABLE.

TUBE STEEL COLUMN BASE

NTS

5002

DSGN	F.CARPENTER						VERIFY SCALE	CITY OF ATLANTA DEPARTMENT OF PUBLIC WORKS DIVISION OF WASTEWATER SERVICES	MECHANICAL	SHEET 288HH
DR	K.OSIER						BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.		INTRENCHMENT CREEK FACILITY STD. DETAILS	DWG 4-M-6
CHK	F.CARPENTER							EAST AREA CSO IMPROVEMENTS PHASE 2		DATE JUNE 2002
APVD	C.CRANDALL	1	6/02	RECORD DRAWINGS	MSH	LOY				PROJ 152294.DS
		NO.	DATE	REVISION	BY	APVD				

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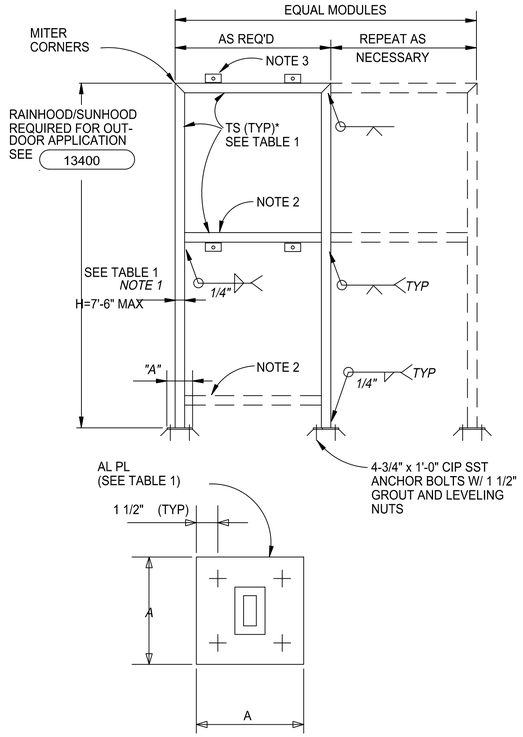


BASE PLATE

NOTES:

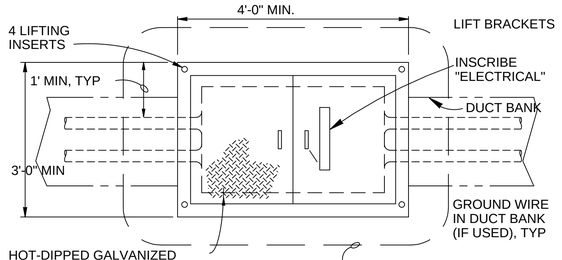
1. TOTAL WEIGHT OF PANEL(S) SHALL NOT EXCEED 750 LB IN EACH MODULE.
2. FOR PANELS WITH "H" GREATER THAN 4'-0", ONE HORIZONTAL MEMBER MUST BE LOCATED WITHIN THE MIDDLE THIRD OF THE FRAME HEIGHT. PROVIDE ADD'L MEMBERS AS NECESSARY FOR PANEL MOUNTING.
3. PROVIDE L 2 1/2"x 2 1/2"x 1/4"x 0'-3" WELD ALL AROUND TO TS: TYP AT EACH PANEL MOUNT.

4. GRIND ALL WELDS AND SHARP CORNERS SMOOTH.
5. THIS DETAIL APPLIES TO NON-FREE STANDING ELECTRICAL EQUIPMENT OVER 25 LB WHICH IS NOT MOUNTED ON A FREE STANDING FRAME OR IS NOT WALL MOUNTED.
6. PANEL OR INSTRUMENT FRONT FACES MAGNETIC NORTH, UNLESS OTHERWISE NOTED.

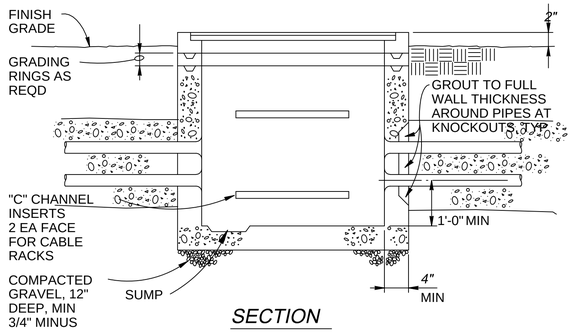
TABLE 1			
HEIGHT "H"	ALUMINUM FRAME		
	TS (MIN SIZE)	BASE PLATE (IN)	
		A	t
5'-0" MAX.	TS 3 x 3 x.188	8	1/2
7'-6" MAX.	TS 4 x 4 x.188	9	5/8

PANEL MOUNTING RACK 13420

NTS



PLAN



SECTION

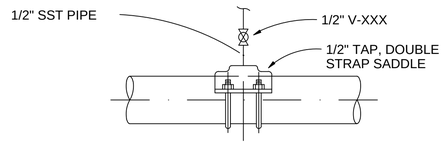
NOTES:

1. SIZE AS REQ'D FOR PULLING & REDIRECTION.
2. FABRICATE COMPLETE WITH OTHER HARDWARE.
3. THIS DETAIL APPLIES TO ALL HANDHOLES.

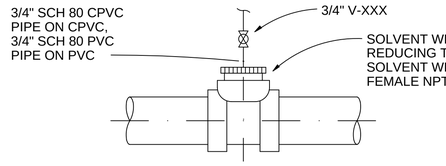
TYPICAL HANDHOLE

NTS

16403



CEMENT LINE STEEL PIPE, CAST IRON PIPE AND DUCTILE IRON PIPE



PVC AND CPVC PIPE

PRESSURE CONNECTION INSTALLATION

NTS

13305

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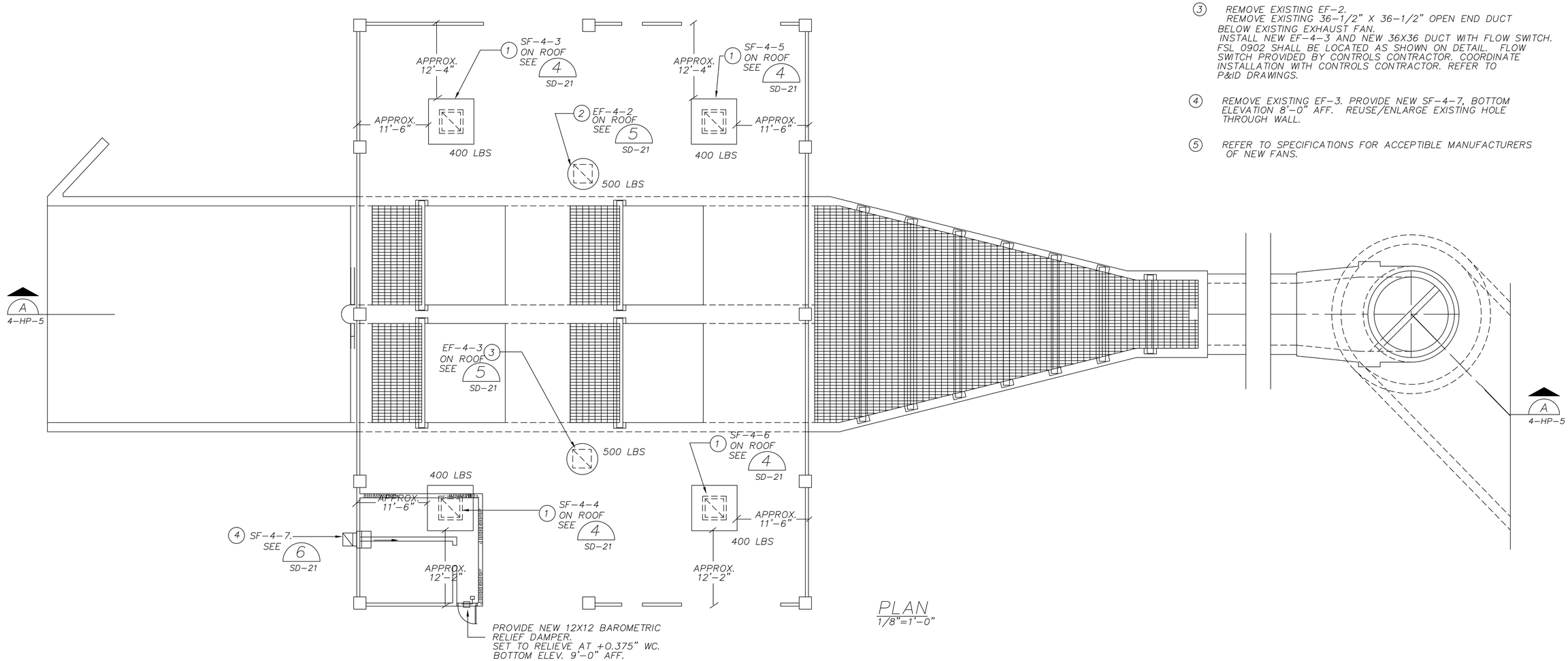
REUSE OF DOCUMENTS

RECORD DRAWINGS

DSGN	F.CARPENTER	1	6/02	RECORD DRAWINGS	MSH	LOY	VERIFY SCALE: BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	CH2MHILL	CITY OF ATLANTA DEPARTMENT OF PUBLIC WORKS DIVISION OF WASTEWATER SERVICES EAST AREA CSO IMPROVEMENTS PHASE 2	MECHANICAL INTRENCHMENT CREEK FACILITY STD. DETAILS	SHEET 288II
DR	K.OSIER										DWG 4-M-7
CHK	F.CARPENTER										DATE JUNE 2002
APVD	C.CRANDALL	NO.	DATE	REVISION	BY	APVD					PROJ 152294.DS

2294M-7.dwg 20-JUN-2002

SITE NORTH



PLAN
1/8"=1'-0"

KEYNOTES:

1. PROVIDE NEW SUPPLY FANS SF-4-3 THROUGH SF-4-6. PROVIDE 36X36 SUPPLY DUCT WITH FLEXIBLE CONNECTION THROUGH NEW ROOF OPENING. PROVIDE FLASHING FOR NEW FAN CURB. CONTROLS CONTRACTOR SHALL PROVIDE FLOW SWITCHES AS SHOWN ON DETAIL AND AS FOLLOWS: FSL0903 FOR SF-4-3, FSL0904 FOR SF-4-4 FSL0905 FOR SF-4-5 AND FSL0906 FOR SF-4-6. COORDINATE INSTALLATION WITH CONTROLS CONTRACTOR. REFER TO P&ID DRAWINGS.

2. REMOVE EXISTING EF-1. REMOVE EXISTING 36-1/2" X 36-1/2" OPEN END DUCT BELOW EXISTING EXHAUST FAN. INSTALL NEW EF-4-2 AND NEW 36X36 DUCT WITH FLOW SWITCH. FSL 0901 SHALL BE LOCATED AS SHOWN ON DETAIL. FLOW SWITCH PROVIDED BY CONTROLS CONTRACTOR. COORDINATE INSTALLATION WITH CONTROLS CONTRACTOR. REFER TO P&ID DRAWINGS.

3. REMOVE EXISTING EF-2. REMOVE EXISTING 36-1/2" X 36-1/2" OPEN END DUCT BELOW EXISTING EXHAUST FAN. INSTALL NEW EF-4-3 AND NEW 36X36 DUCT WITH FLOW SWITCH. FSL 0902 SHALL BE LOCATED AS SHOWN ON DETAIL. FLOW SWITCH PROVIDED BY CONTROLS CONTRACTOR. COORDINATE INSTALLATION WITH CONTROLS CONTRACTOR. REFER TO P&ID DRAWINGS.

4. REMOVE EXISTING EF-3. PROVIDE NEW SF-4-7, BOTTOM ELEVATION 8'-0" AFF. REUSE/ENLARGE EXISTING HOLE THROUGH WALL.

5. REFER TO SPECIFICATIONS FOR ACCEPTIBLE MANUFACTURERS OF NEW FANS.

1	5/02	RECORD DRAWINGS	ATA	LOY
NO.	DATE	REVISION	BY	APVD

DSGN K. TOLLIVER
DR T. JOHNSON
CHK A. GURLASKIE, B. McKENZIE
APVD K. TOLLIVER

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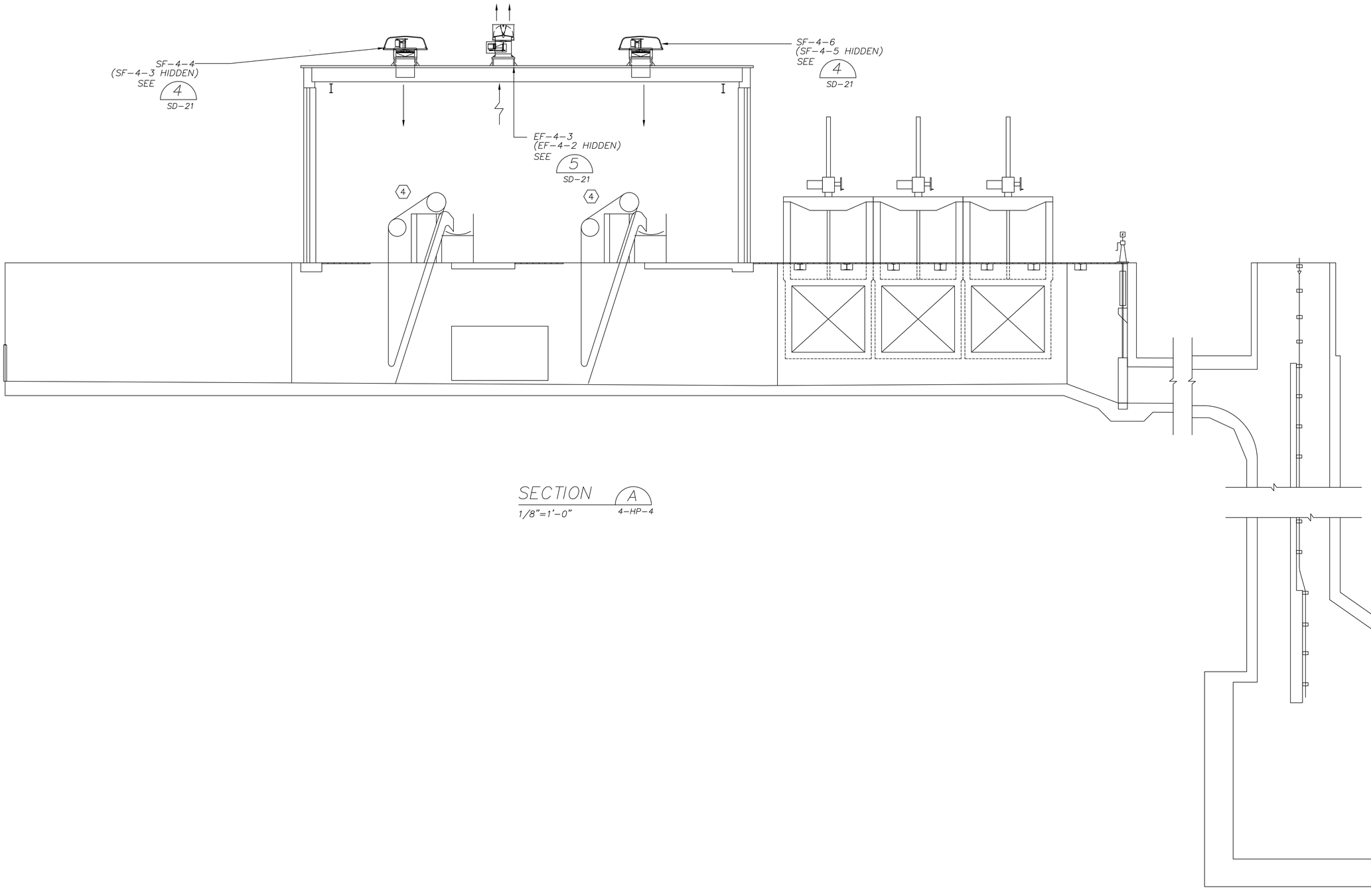
CITY OF ATLANTA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

BUILDING SERVICES
CUSTER AVENUE DIVERSION STRUCTURE
SCREEN INSTALLATION
PLAN

SHEET 186
DWG NO. 4-HP-4
DATE OCT 2001
PROJ NO. 135023.CC

05-07-02 SRCSB404.DWG

RECORD DRAWINGS



SECTION A
1/8"=1'-0"
4-HP-4

NO.	DATE	REVISION	BY	APVD
1	5/02	RECORD DRAWINGS	ATA	LOY
4	1/99	REPLACED NEW CONVEYOR SYSTEM WITH EXISTING SYSTEM. REMOVED CRANE RAIL.		

DSGN K. TOLLIVER
DR T. JOHNSON
CHK A. GURLASKIE, B. McKENZIE
APVD K. TOLLIVER

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CITY OF ATLANTA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

BUILDING SERVICES
CUSTER AVENUE DIVERSION STRUCTURE
SCREEN INSTALLATION
SECTION

SHEET 187
DWG NO. 4-HP-5
DATE OCT 2001
PROJ NO. 135023.CC

05-07-02 SRCSB405.DWG

RECORD DRAWINGS

90CP0001 ◆

SUBTRACT F↓ 0060

TOTAL INFLOW

SUM F↓ 0060

FQ! 0060

F! 0061 (2)

FQ! 0061 (2)

BOULEVARD AND CUSTER FLOW RATES (FROM RTU)

LAHH 0001 (2)

L! 0001 (2)

FQ! 0010

F! 0001

FLOW TO SCREENS

RS-232

INTRENCHMENT CREEK FLOW WHEN TUNNEL CLOSED

INTRENCHMENT CREEK FLOW WHEN BYPASS VALVES CLOSED

FQ! 0062

F! 0062

4

ZL 0031 (3)

OC

HS 0031 (3)

OCA

NOTE 4

NA 0900

FAULT

I/O

NS 0900

FAULT

A!T 0900

US 0901 (3)

AAH 0901

LEL

AAH 0902

H2S

AAH 0903

CL2

OR

(3)

HS 0900C

SILENCE

NOTES 6,7

SLA 0040

CLOSE TUNNEL OPEN BYPASS

FAH 0901 (6)

S! 0040

HS 0040

OCA

Z! 0040

PAL 0051 (2)

LAH 0050

LSH 0050

L! 0050

6(1)

FSL 0901 (6)

120V

2(1)

SILENCE

HS 0900Y (2)

BEACON

QL 0900Y (2)

2(1)

HORN

QN 0900Y (2)

AIT 0901

LEL

AIT 0902

H2S

AIET 0903

CL2

AE 0901

LEL

AE 0902

H2S

GENERAL NOTES:

A. "SHORT-HAND" TAG NUMBER SHOWN. COMPLETE TAG NUMBERS INCLUDE AREA DESIGNATION, FOR EXAMPLE: 90L!T0001. TYPICAL FOR ALL TAG NUMBERS THIS SHEET.

B. BRIDGE CRANE TAG NUMBER = 90M0400

SPECIFIC NOTES:

1. FIVE SIGNALS GENERATED: END OF TRAVEL, TORQUE OVERLOAD, REVERSE MOTION, AND TWO BRAKE TEMP.
2. SEE DWG 4-!-3 FOR P&!D OF THE PROCESS SAMPLE PUMP.
3. X = 1 THRU 4
4. TRIAD TWISTED SHIELDED CONDUCTOR.
5. Y = A, B
6. CLOSE TUNNEL GATE AND OPEN BYPASS GATES ON RISING HIGH TUNNEL LEVEL AND RISING LEVEL AT INTRENCHMENT CREEK WWTP WET WELL (RTU).
7. OPEN TUNNEL GATE AND CLOSE BYPASS GATES ON FALLING TUNNEL LEVEL.

EXISTING BAR SCREEN FIELD PANEL

EXISTING BAR SCREEN FIELD PANEL

120V

L!T 0001 ××

F!T 0001 ××

LX 0002 ××

A

4(1)

3(2)

3(2)

CSO

90P0301 PROCESS SAMPLE PUMP SEE NOTE 2

CS-1

INTRENCHMENT CREEK

90CP0050 ◆ (BUBBLER SYSTEM)

120V

CONFEDERATE AVENUE REGULATOR CSO FLOW

LE 0001 ××

LT 0002 ××

NE 0001Y (4) ××

VEL

NOTE 3

EXISTING NORTH CHANNEL COARSE SCREEN

EXISTING NORTH CHANNEL FINE SCREEN

EXISTING SOUTH CHANNEL COARSE SCREEN

EXISTING SOUTH CHANNEL FINE SCREEN

BOULEVARD AVENUE REGULATOR CSO FLOW

HS 0031 (3) LR

OSC

HS 0031 (3)

480V

E

90G0032

90G0033

ZS 0031 (3)

OC

90G0031 BYPASS GATE (TYP OF 3)

HS 0040 LR

OSC

HS 0040

E

480V

90G0040

ZT 0040

DROP SHAFT

STORAGE TUNNEL

RECORD DRAWINGS

NO.	DATE	REVISION	BY	APVD
2.	6/02	RECORD DRAWINGS	ATA	LOY
4	1/99	REMOVED SCREEN BAR CONTROL PANEL INFO	PKO	KBH

DSGN T. RIDGIK
DR SRCSI401.DWG N. ADAMS
CHK Y. RATZLAFF
APVD C. CRANDALL

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DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

INSTRUMENTATION & CONTROL
CUSTER AVENUE DIVERSION STRUCTURE
P&ID
DIVERSION & SCREENING

SHEET 188
DWG NO. 4-I-1
DATE JUNE 2002
PROJ NO. 135023.CC

20-JUNE-2002 SRCSI401.DWG

90CP0001

LSX 0300 — OVERFLOW EVENT

RUN DURING OVERFLOW EVENT

REPEAT CYCLE

KY 0310

CLOSE DURING STORM EVENT

WHEN NO OVERFLOW OPEN/CLOSE BASED ON LEVEL

AT STORM START, PARTIALLY DRAIN TANK OF CLEAN WATER

HS 0301 — OOA

QL 0301 — ON

L! 0300

QA 0301 — FAIL

HS 0310 — OCA

ZL 0310 — OC

HS 0322 — OCA

ZL 0321 — OC

ZA 0321 — FAIL

NOTE 4

HS 0321 — OCA

LALL 0320

HS 0321 — CO/IC

NOTE 2

AI 0340

AXH 0340 — ALERT

NOTE 5

ASH 0340

HS 0330 — ENABLE/DISABLE

NOTE 3

LALL 0330

HS 0331 — OCA

ZL 0331 — OC

HS 0332 — OCA

I/O

120V

REMOTE I/O

(2)

90CP0002

I/O I/O I/O I/O

RUN ON FAIL

90FP0301**

L! T 0300

HS 0301A — OOR

QL 0301 — ON

TLH 0301 — HS 0301B — RESET

NL 0301 — MOISTURE

480V

NOTE 1

LE 0300

NS 0301 — MOISTURE / HIGH TEMP

POWER

TSH 0301

CS-1

PROCESS SAMPLE PUMP

90P0301

NOTE 1

W4

SA

SA/BYP

LR

HS 0310

OSC

HS 0310

(8)

OC

ZS 0310

GRIT SEPARATOR

90M0310

E

FLP

480V

FV 0310

DR

120V

OCR

HS 0322

FV 0322

S

FO

W4

OUTSIDE BUILDING

HIGH, LOW, LOW LOW

(3)

120V

LSX 0320

LE 0320

OUTSIDE BUILDING

OF

HIGH

LOW

LOW LOW

ANALYZER SAMPLE TANK

90T0320

OC

ZS 0321

(8)

OSC

HS 0321

LR

HS 0321

E

FLP

480V

FV 0321

DR

A

120V

CL2

AIT 0340

AE 0340

CHLORINE RESIDUAL ANALYZER

OPERATE SAMPLER DURING STORM EVENT

HIGH, LOW, LOW LOW

(3)

(2)

(2)

(2)

SA

COMPOSITE SAMPLER

90M0330

120V

LSX 0330

LE 0330

OUTSIDE BUILDING

OF

HIGH

LOW

LOW LOW

PH

AE 0330

TE 0330

COMPOSITE SAMPLE TANK

90T0330

OCR

HS 0332

120V

S

FO

W4

FV 0332

OC

ZS 0331

(8)

OSC

HS 0331

LR

HS 0331

E

FLP

480V

FV 0331

BYPASS CHANNEL

GENERAL NOTES:

A. "SHORT-HAND" TAG NUMBER SHOWN. COMPLETE TAG NUMBERS INCLUDE AREA DESIGNATION, FOR EXAMPLE: 90L!T0300. TYPICAL FOR ALL TAG NUMBERS THIS SHEET.

SPECIFIC NOTES:

1. LOCATED IN INTRENCHMENT CREEK CHANNEL, SEE DWG 4-!-1.
2. SELECT CONTROL LOCATION - EITHER CUSTER AVE. OR INTRENCHMENT CREEK, TYPICAL ALL CONTROLLED ELEMENTS AT CUSTER SITE.
3. ENABLE/DISABLE ALARMS, TYPICAL, ALL ALARMS AT CUSTER SITE.
4. CREATE FAIL ALARMS, TYPICAL ALL ALARMS AT CUSTER SITE.
5. ALERT ON HIGH CHLORINE RESIDUAL FOR SUSTAINED TIME.

CH2MHILL

DSGN T. RIDGIK
DR SRCSI403.DWG L. FINK
CHK Y. RATZLAFF
APVD C. CRANDALL

NO.	DATE	REVISION	BY	APVD
2.	6/02	RECORD DRAWINGS	ATA	LOY
4	1/99	SAMPLE PRECONDITIONING SYSTEM REMOVED	ATA	LOY

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DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

INSTRUMENTATION & CONTROL
CUSTER AVENUE DIVERSION STRUCTURE P&ID- SAMPLE PRECONDITIONING SYSTEM

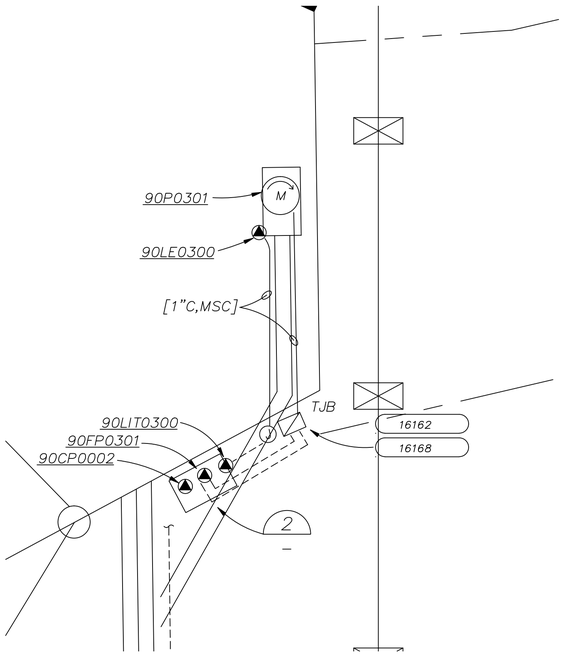
SHEET 190
DWG NO. 4-I-3
DATE JUNE 2002
PROJ NO. 135023.CC

20-JUNE-2002 SRCSI403.DWG

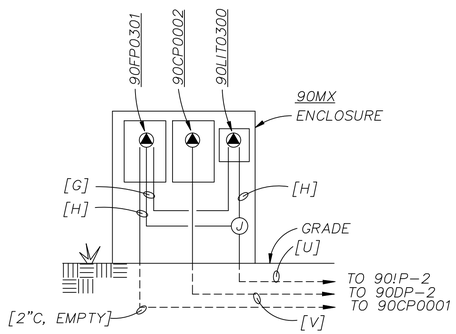
RECORD DRAWINGS

CIRCUIT SCHEDULE

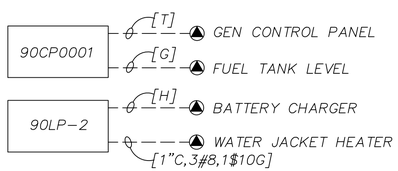
[A] = [?"C,3#12,1#12G]
[B] = [1"C,3#6,1#8G]
[C] = [?"C,3#14,1#14G]
[D] = [?"C,2#14,1#14G]
[E] = [1?"C,3#6,5#14,1#8G]
[F] = [1"C,3#12,3#14,1#12G]
[G] = [1"C,1 TYPE 2 TSP]
[H] = [?"C,2#12,1#12G]
[I] = [1"C,2 TYPE 2 TSP]
[J] = [2"C,4 TYPE 2 TSP]
[K] = [2"C,6 TYPE 2 TSP]
[L] = [1"C,20#14,1#14G]
[M] = [1"C,8#14,1#14G]
[N] = [1"C,10#14,1#14G]
[O] = [?"C,6#14,1#14G]
[P] = [1"C,12#14,1#14G]
[Q] = [?"C,6#12,1#12G]
[R] = [2"C,3 TYPE 2 TSP]
[S] = [1"C,16#14,1#14G]
[T] = [?"C,4#14,1#14G]
[U] = [?"C,4#10,1#8G]
[V] = [?"C,3#10,1#10G]
[W] = [1"C,4#6,1#8G]
[X] = [1?"C,4#2,1#6G]
[Y] = [1?"C,3#1#6G]
[Z] = [2"C,1 TYPE 3, 16 PR] (4)
[EE] =[3"C,3 TYPE 1, 25/C]
[LL] =[2?"C,3-250KCMIL,1#2G]



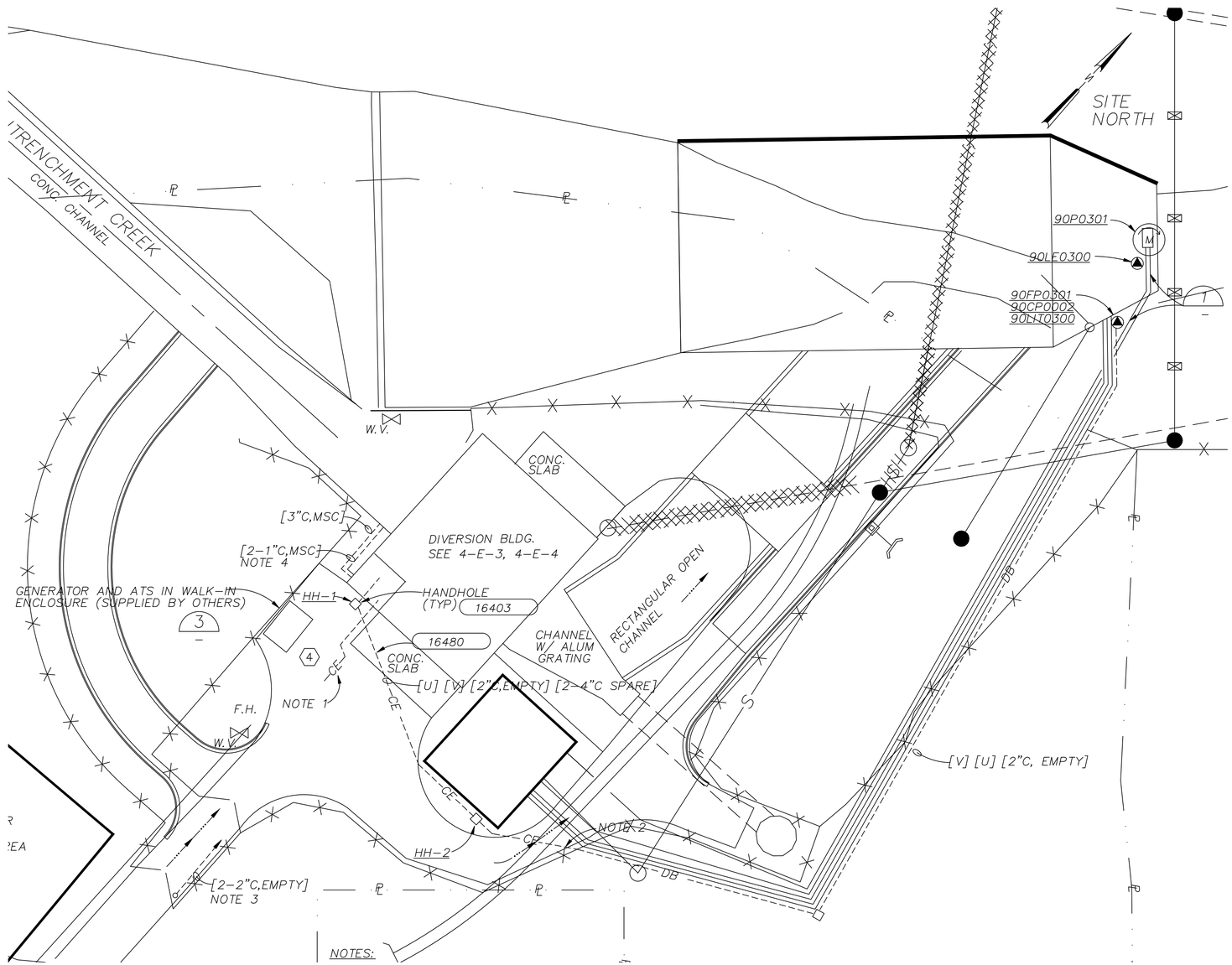
DETAIL 1
1'=10'-0"



DETAIL 2
NTS



DETAIL 3 (4)
WIRING DIAGRAM
SEE NOTE 5, 6



NOTES:

1. THE POWER UTILITY IS TO PROVIDE NEW SERVICE. CONTRACTOR SHALL COORDINATE WITH THE POWER UTILITY FOR THE LOCATION OF THE NEW SERVICE TRANSFORMER. CONTRACTOR SHALL PROVIDE NEW WIRING AND CONNECTIONS FROM THE POWER UTILITY TRANSFORMER SECONDARY TO THE SERVICE DISCONNECT.
2. CONCRETE ENCASE ALL CONDUITS INSTALLED UNDER OR WITHIN 10' OF PAVING.
3. PROVIDE CONDUITS FOR FUTURE SECURITY GATE, STUB UP AND CAP IN DIVERSION BUILDING ELECTRICAL ROOM .
4. INTRINSICALLY SAFE CIRCUITS. PROVIDE REQUIRED SEPERATION.
5. (4) COORDINATE LOCATION OF ATS, WATER JACKET HEATER, BATTERY CHARGER, FUEL TANK LEVEL TRANSMITTER AND CONTROL PANEL WITH GEORGIA POWER, GENERATOR SUPPLIER.
6. SEE DRAWING 4-E-2 FOR ADDITIONAL WIRING TO GENERTOR AND ATS.

RECORD DRAWINGS

NO.	DATE	REVISION	BY	APVD
2. (4)	6/02 1/99	RECORD DRAWINGS UPDATED SITE PLAN, CIRCUIT SCH, NOTES, AND ADD DET. 3	ATA	LOY

DSGN K.B. HORTON, N.M. ADAMS
DR N.M. ADAMS, SRCSE401.DWG
CHK R. JOHNSON
APVD C. CRANDALL

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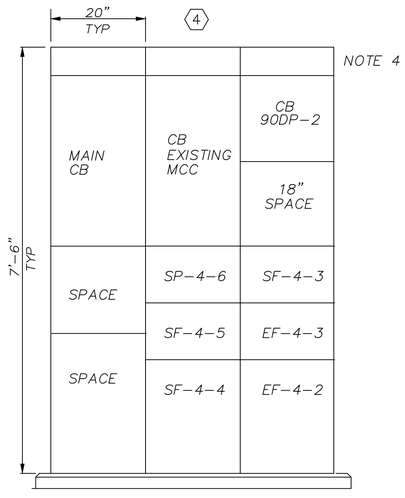
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

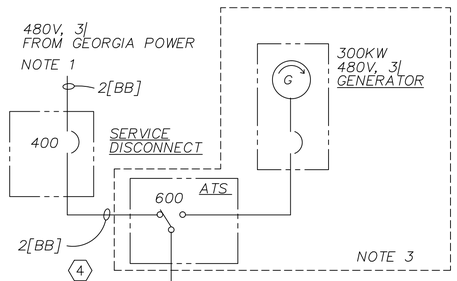
ELECTRICAL
CUSTER AVENUE DIVERSION STRUCTURE SITE PLAN AND DETAILS

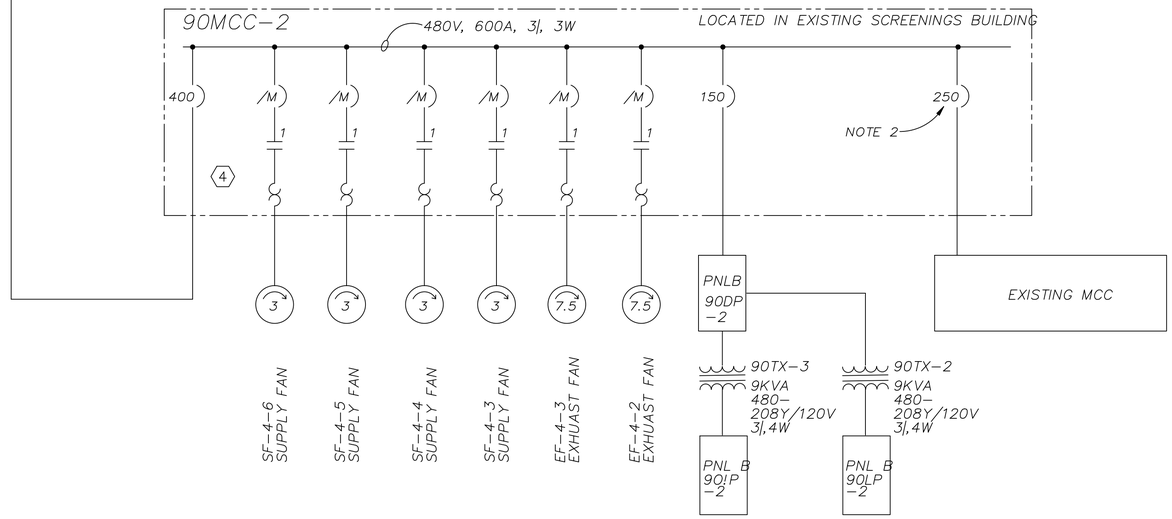
SHEET 191
DWG NO. 4-E-1
DATE JUNE 2002
PROJ NO. 135023.CC

20-JUNE-2002 SRCSE401.DWG



90MCC-2 ELEVATION





NOTES:

1. EXISTING SERVICE ENTRANCE SHALL BE CHANGED FROM THE EXISTING MCC AT THE DIVERSION BUILDING TO THE NEW SERVICE DISCONNECT LOCATED AT THE NEW CHEMICAL BUILDING. PROVIDE NEW SERVICE ENTRANCE WIRING AND METERING APPURTANCES AS REQUIRED BY THE POWER UTILITY. THE CONTRACTOR SHALL COORDINATE WITH THE POWER UTILITY FOR REQUIREMENTS.
2. THE EXISTING MCC IN THE DIVERSION BUILDING SHALL BE REFED FROM NEW 90MCC-2.
3. (1) (4) GENERATOR SET AND AUTOMATIC TRANSFER SWITCH (ATS) SUPPLIED BY OTHERS. CONTRACTOR TO PROVIDE FOR INSTALLATION OF GENERATOR SET AND ATS. PROVIDE CONDUIT AND CONDUCTORS AS SHOWN ON DRAWINGS.
4. PROVIDE BUS TAPS FOR FUTURE EXPANSIONS.

[BB] = [2"C, 3#3/0, 1#3G]

RECORD DRAWINGS

NO.	DATE	REVISION	BY	APVD
3.	6/02	RECORD DRAWINGS	ATA	LOY
1	12/98	MODIFY NOTE	MSH	CNC
4		DELETED 90MCC-1 ONE LINE & ELEVATION, SECTION &MOTORS IN 90MCC-2	PKO	KBH

DSGN K.B.HORTON N.ADAMS
DR SRCSE402.DWG N.ADAMS
CHK R. JOHNSON
APVD C. CRANDALL

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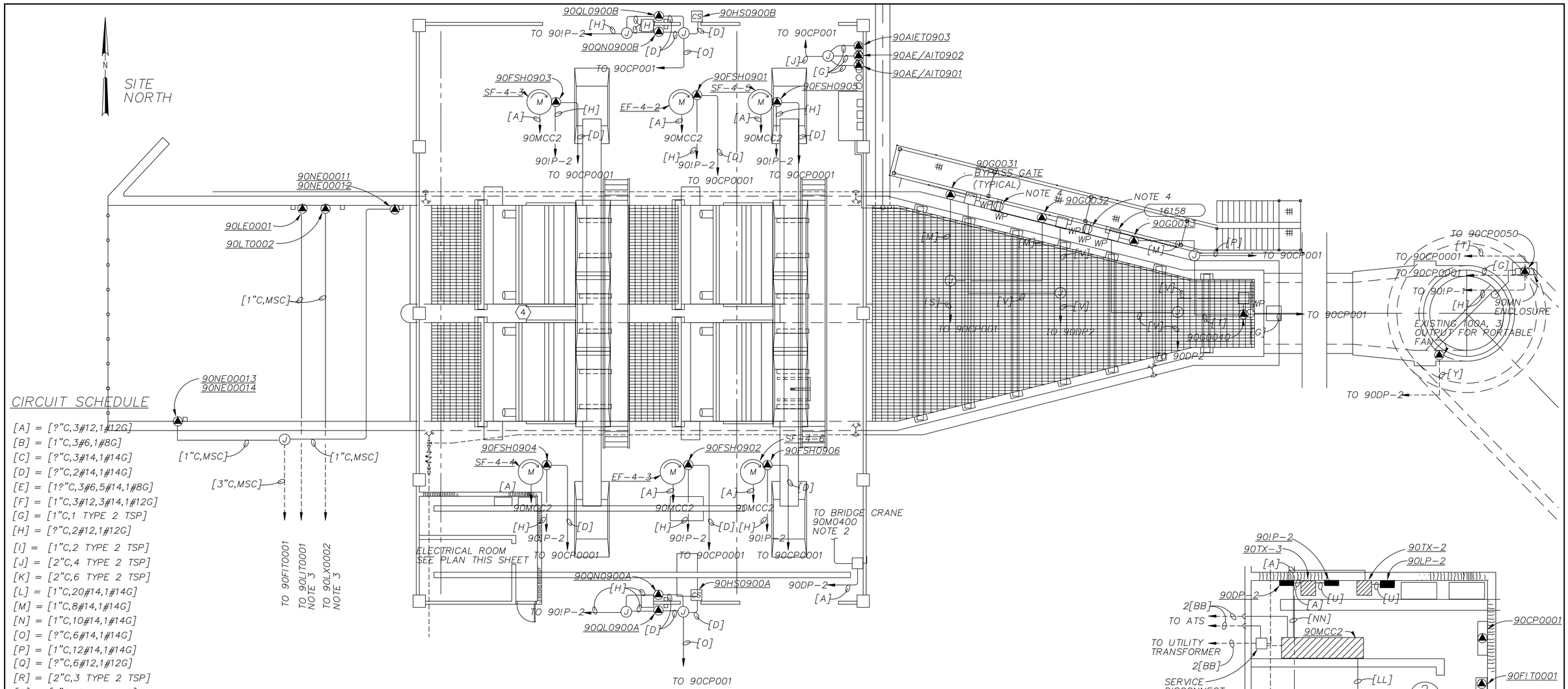
CITY OF ATLANTA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

ELECTRICAL
CUSTER AVENUE DIVERSION STRUCTURE
ONE LINE DIAGRAM
MCC ELEVATIONS

SHEET 192
DWG NO. 4-E-2
DATE JUNE 2002
PROJ NO. 135023.CC

20-JUNE-2002 SRCSE402.DWG



CIRCUIT SCHEDULE

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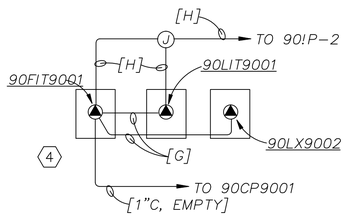
[B] = [1"C,3#6,1#8G]
[C] = [?"C,3#14,1#14G]
[D] = [?"C,2#14,1#14G]
[E] = [1?"C,3#6,5#14,1#8G]
[F] = [1"C,3#12,3#14,1#12G]
[G] = [1"C,1 TYPE 2 TSP]
[H] = [?"C,2#12,1#12G]
[I] = [1"C,2 TYPE 2 TSP]
[J] = [2"C,4 TYPE 2 TSP]
[K] = [2"C,6 TYPE 2 TSP]
[L] = [1"C,20#14,1#14G]
[M] = [1"C,8#14,1#14G]
[N] = [1"C,10#14,1#14G]
[O] = [?"C,6#14,1#14G]
[P] = [1"C,12#14,1#14G]
[Q] = [?"C,6#12,1#12G]
[R] = [2"C,3 TYPE 2 TSP]
[S] = [1"C,16#14,1#14G]
[T] = [?"C,4#14,1#14G]
[U] = [?"C,4#10,1#8G]
[V] = [?"C,3#10,1#10G]
[W] = [1"C,4#6,1#8G]
[X] = [1?"C,4#2,1#6G]
[Y] = [1?"C,3#1#6G]
[Z] = [2"C,1 TYPE 3, 16 PR]
[AA] = [3"C,4-350KCMIL,1#4G]
[BB] = [2"C,3#3/0,1#3G]
[CC] = [3"C,3-350KCMIL,1#3/0G]
[DD] = [1"C,3#12,5#14,1#12G]
[EE] = [3"C,3 TYPE 1, 25/C]
[FF] = [1"C,1 TYPE 1, 12/C]
[GG] = [1"C,30#14,1#14G]
[HH] = [2"C,3#4/0,1#4G]
[LL] = [2?"C,3-250KCMIL,1#2G]
[NN] = [2"C,3#1/0,1#6G]

NOTES:

1. THIS AREA IS A HAZARDOUS CLASSIFICATION : CLASS !, DIVISION 2. USE SUITABLE MATERIALS AND METHODS.
2. PROVIDE DISCONNECT SWITCH FOR RELOCATED BRIDGE CRANE.
3. LEVEL ELEMENT AND TRANSMITTER WIRING IS INTINSICALLY SAFE CIRCUIT. PROVIDE REQUIRED SEPARATION FROM OTHER CIRCUITS. ROUTE IN RIGID STEEL CONDUIT.
4. PROVIDE ?"C. WITH 2#12,1#12G TO PANEL 90!P-2.

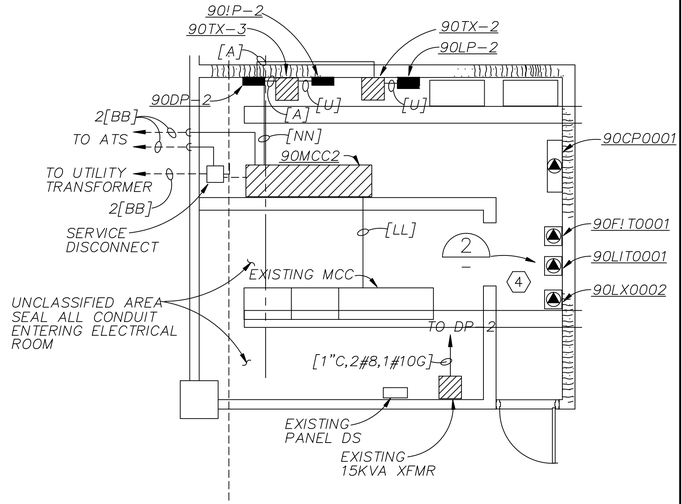
PLAN

?" = 1'-0"



BLOCK DIAGRAM 2

TYPICAL VELOCITY METER WIRING



ELECTRIC ROOM PLAN

?" = 1'-0"

NO.	DATE	REVISION	BY	APVD
2.	6/02	RECORD DRAWINGS	ATA	LOY
4	1/99	REMOVED EQUIPMENT IN CHANNEL AREA, UPDATED EL. ROOM	PKO	KBH

DSGN K.B. HORTON
DR SRCSE403.DWG P.K. OAKES
CHK R. JOHNSON
APVD C. CRANDALL

CH2M HILL

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CITY OF ATLANTA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

ELECTRICAL
CUSTER AVENUE DIVERSION STRUCTURE SCREENING BUILDING MODIFICATIONS

SHEET 193
DWG NO. 4-E-3
DATE JUNE 2002
PROJ NO. 135023.CC

20-JUNE-2002 SRCSE403.DWG

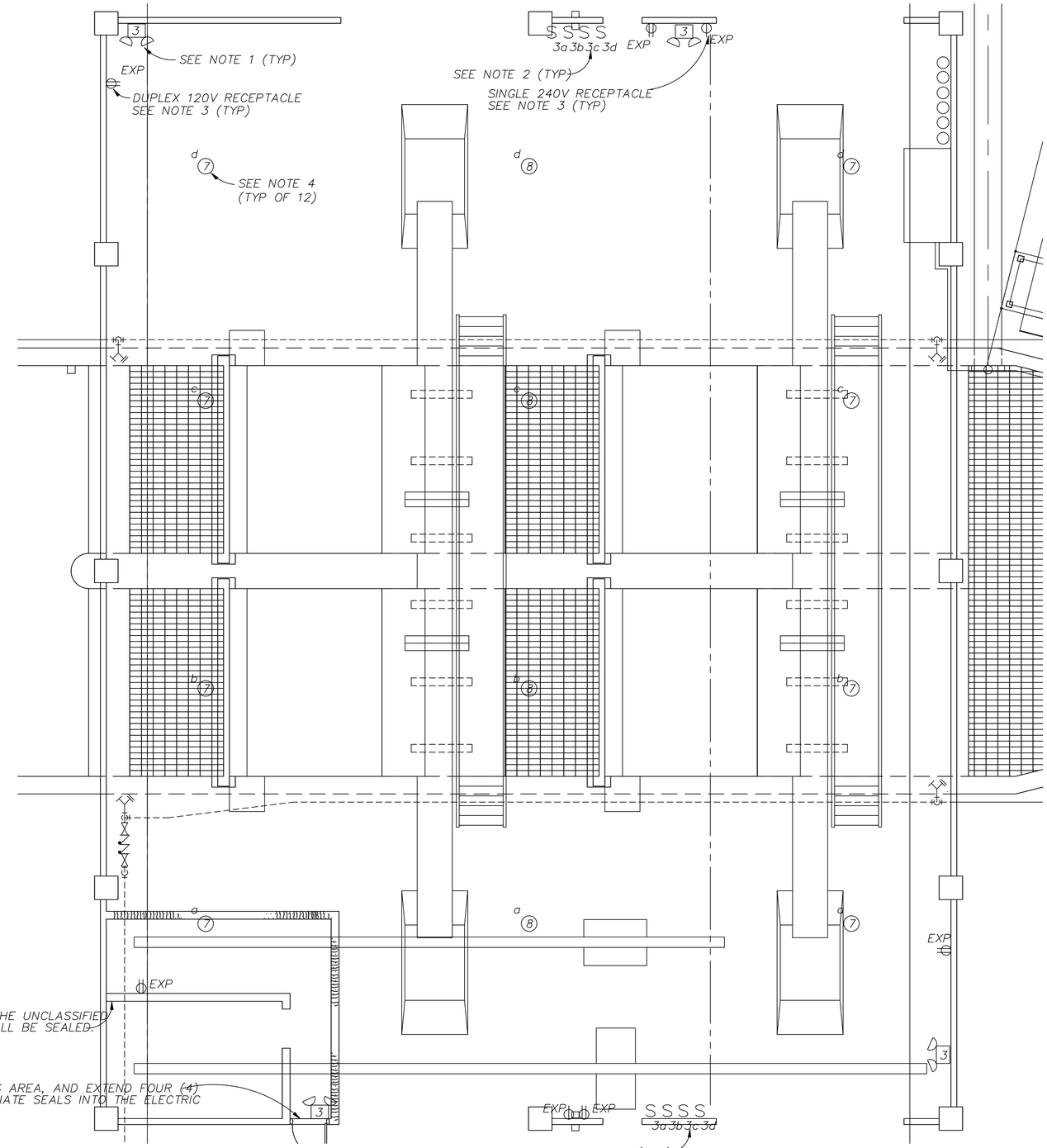
RECORD DRAWINGS

GENERAL NOTES:

1. REPLACE ALL EXISTING EMERGENCY LIGHTING FIXTURES WITH ONES THAT ARE RATED FOR CLASS ! DIVISION 2 HAZARDOUS LOCATIONS.
2. REPLACE ALL EXISTING LIGHT SWITCHES WITH EXPLOSION PROOF SWITCHES SUITABLE FOR A CLASS ! DIVISION 2 HAZARDOUS LOCATION.
3. REPLACE ALL EXISTING DUPLEX 120V RECEPTACLES AND ALL 240V SINGLE RECEPTACLES WITH SIMILAR ONES RATED FOR CLASS !, DIVISION 2 HAZARDOUS LOCATIONS.
4. PROVIDE NEW CEILING MOUNTED FIXTURES AND WIRING AFTER THE ROOF IS REPLACED. CEILING MOUNT APPROX. AT SAME LOCATION WHERE THE EXISTING FIXTURE IS LOCATED.
5. AREA SHOWN ON THIS DRAWING, EXCEPT ELECTRICAL ROOM, IS A CLASS !, DIV 2 HAZARDOUS AREA. NOTIFY ENGINEER IF OTHER CONDITIONS ARE DISCOVERED DURING CONSTRUCTION THAT REQUIRE MODIFICATION TO COMPLY WITH THE RATING OF THIS AREA.

N

SITE PLAN



CH2M HILL	DSGN C. MCKENZIE DR C. MCKENZIE SRCSE404.DWG CHK R. JOHNSON APVD C. CRANDALL	1.	6/02	RECORD DRAWINGS	ATA	LOY	REUSE OF DOCUMENTS THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL. ©CH2M HILL
		NO.	DATE	REVISION	BY	APVD	

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CITY OF ATLANTA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

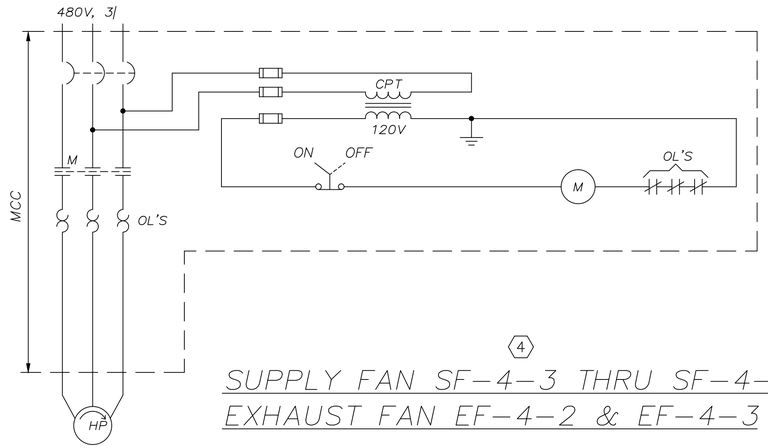
ELECTRICAL
CUSTER AVENUE DIVERSION STRUCTURE SCREENING BUILDING ELECTRICAL CODE UPGRADES

SHEET 194
DWG NO. 4-E-4
DATE JUNE 2002
PROJ NO. 135023.CC

3-17-97 SRCSE404.DWG

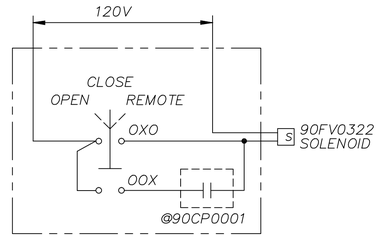
RECORD DRAWINGS

4

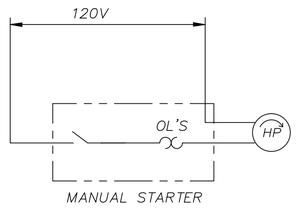


4

SUPPLY FAN SF-4-3 THRU SF-4-6
EXHAUST FAN EF-4-2 & EF-4-3



CONTROL STATION 90HS0322



SUPPLY FAN SF-4-2

4

4

NO.	DATE	REVISION	BY	APVD
2. 4	6/02 1/99	RECORD DRAWINGS REMOVED BISULFITE PUMP NO'S 1,2,3 AND4. REMOVED NORTH AND SOUTH COURSE AND FINE SCREEN. CHANGED SF-4-1 TO SF-4-3.	ATA	LOY

DSGN K.B. HORTON
DR SRCSE406.DWG P.K. OAKES
CHK R. JOHNSON
APVD C. CRANDALL

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CITY OF ATLANTA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER SERVICES
EAST AREA CSO IMPROVEMENTS

ELECTRICAL
CUSTER AVENUE DIVERSION STRUCTURE
CONTROL DIAGRAMS

SHEET 197
DWG NO. 4-E-7
DATE JUNE 2002
PROJ NO. 135023.CC

20-JUNE-2002 SRCSE406.DWG

RECORD DRAWINGS

CITY OF ATLANTA
CUSTER AVENUE
CSO STORAGE AND DECHLORINATION FACILITY

FC-3004007825
DECEMBER, 2009

City of Atlanta
Department of Watershed Management
Protecting Our Future

CLEAR STREAMS OBJECTIVE
A JOINT VENTURE OF

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

IN ASSOCIATION WITH

WWETCO, LLC
Wet Weather Engineering & Technology

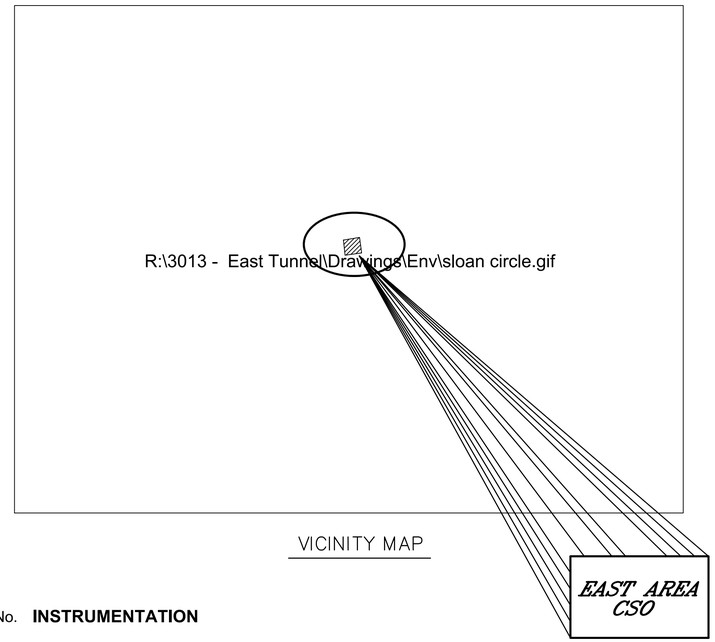
PARSONS
5390 Triangle Parkway, Suite 100,
Norcross, GA 30092, (770) 446-4900

LONG ENGINEERING, INC
1775 The Exchange
Suite 215
Atlanta, Georgia 30339
Tel 770.951.2495
Fax 770.951.2496
www.longeng.com

AS-BUILT

SHEET No.		**GENERAL**
1	000-G-01	Cover Sheet
2	000-G-02	Index of Drawings / Location Plan
3	000-G-03	Hydraulic Profile - Storage Facility
4	000-G-04	Hydraulic Profile - Screens
5	000-G-05	Abbreviations, Symbols & Legend
		CIVIL
6	DC0.101	General Notes
7	000-C-02	Existing Conditions
8	000-C-03	Site Demolition Plan
9	000-C-04	Site Plan
10	SK-22	FRONT ENTRANCE DETAILS
11	SK-01	BURIED H-PILING AND CONCRETE BLOCK
12	000-C-05	Grading/Drainage Plan
13	EX-1	TEMPORARY DEEP EXCAVATION RETENTION SYSTEM
14	000-C-06	Demolition Phase - Erosion Control Plan
15	000-C-07	Construction Phase - Erosion Control Plan
16	000-C-08	Tree Protection and Replacement
17	000-C-09	Profiles
18	000-C-10	Civil Details 1
19	000-C-11	Civil Details 2
20	000-C-12	Erosion Control Details 1
21	000-C-13	Erosion Control Details 2
22	000-C-14	Erosion Control Details 3
23	000-C-15	Temporary Construction Flow Routing
24	000-C-16	Temporary Construction Sound Barrier
25	000-C-17	Rerouting Channel Plan and Profile
26	080-C-01	Storage Facility Plan and Profile
27	080-C-02	Connecting Tunnel Detail
28	SK-11	GEOLOGIC SUMMARY LOG STA. 4+80 TO 6+00
29	SK-12	GEOLOGIC SUMMARY LOG STA. 2+30 TO 4+80
30	SK-13	GEOLOGIC SUMMARY LOG STA. 0 TO 2+30
31	400-C-01	Custer Avenue Utilities Routing Plan
32	400-C-02	Custer Avenue Sodium Bisulfide Plan and Profile
33	400-C-03	Custer Avenue Civil Details and Sections
34	SK-19	DECHLORINATION YARD PIPE PLAN
35	SK-05	66" RCP STORM DRAIN LINE - PLAN VIEW
36	SK-06	66" RCP STORM DRAIN LINE - SECTION VIEW
		ARCHITECTURAL
37	080-A-01	Floor Plan and Details
38	080-A-02	Roof Plan and Details
39	080-A-03	Building Elevations, Schedules and Details
40	080-A-04	Building Sections and Details
41	DA36.100	General Notes, Symbols & Abbreviations
42	DA36.101	Building Floor Plan, Roof Plan, Door and Finish Schedule
43	DA36.102	Building Elevations
44	DA36.103	Architectural Sections and Details
45	DA36.104	Building Section
		STRUCTURAL
46	000-S-01	Structural Notes
47	000-S-02	Structural Details 1
48	000-S-03	Structural Details 2
49	000-S-04	Structural Details 3
50	000-S-05	Structural Details 4
51	000-S-06	Structural Details 5
52	000-S-07	Structural Details 6
53	000-S-08	Structural Details 7
54	000-S-09	Structural Details 8
55	000-S-11	Rerouting Channel Sections 1
56	000-S-11A	REROUTING CHANNEL SECTIONS 1A
57	000-S-11B	REROUTING CHANNEL SECTIONS 1B
58	000-S-12	Rerouting Channel Sections 2
59	000-S-13	Rerouting Channel Details
60	000-S-14	Rerouting Channel Weir
61	080-S-01	Screenings Building - Demolition - Plan 1
62	080-S-02	Screenings Building - Demolition - Plan 2
63	080-S-03	Screenings Building - Demolition - Sections

SHEET No.		**STRUCTURAL CONTINUED**
64	080-S-05	Drum Screen Building - Pile Plan
65	080-S-06	Drum Screen Building - Plan 1
66	080-S-07	Drum Screen Building - Plan 2
67	080-S-08	Drum Screen Building - Roof Plan
68	080-S-09	Drum Screen Building - Partial Plans
69	080-S-10	Drum Screen Building - Sections 1
70	080-S-11	Drum Screen Building - Sections 2
71	080-S-12	Drum Screen Building - Sections 3
72	080-S-13	Drum Screen Building - Sections 4
73	080-S-14	Drum Screen Building - Beams and Columns - Schedules and Details
74	080-S-15	Drum Screen Building - Sections and Details
75	080-S-20	Storage Facility Construction Sequence 1
76	080-S-21	Storage Facility Construction Sequence 2
77	080-S-22	Storage Facility Access Shaft Ground Support
78	080-S-23	Storage Facility Access Shaft Details
79	080-S-24	Storage Facility Rock Support 1
80	080-S-25	Storage Facility Rock Support 2
81	080-S-26	Storage Facility Connecting Tunnel Rock Support 1
82	080-S-27	Storage Facility Connecting Tunnel Rock Support 2
83	080-S-28	Storage Facility End Wall Rock Support 1
84	080-S-29	Storage Facility End Wall Rock Support 2
85	080-S-30	Storage Facility Access Shaft Lower Collar
86	080-S-31	Storage Facility Access Shaft Instrumentation Plan
87	SK-10	VENT SHAFT AS BUILT
88	080-S-32	Storage Facility Instrumentation Plan
89	080-S-33	Storage Facility Instrumentation Details and Schedule
90	DS36.100	Structural Legend and General Notes
91	DS36.101	Foundation Plan
92	DS36.102	Roof Framing Plan
93	DS36.103	Building Sections
94	DS36.104	Sections and Details
95	DS36.105	Typical Sections and Details
		MECHANICAL
96	000-M-02	Screening Buildings - Pipe Support Systems - General Notes and Legend
97	000-M-03	Screening Buildings - Pipe Support Systems - Structural Attachments
98	000-M-04	Screening Buildings - Pipe Penetrations
99	000-M-05	Screening Buildings - Drainage Piping Details
100	000-M-06	Screening Buildings - Equipment Pad Details
101	000-M-07	Screening Buildings - Utility Station Details
102	090-S-01	PUMP STATION
103	SK-21	STORM WATER PUMP STATION MODIFICATIONS
104	090-M-01	Stormwater Sump Pumping Station - Plans
105	090-M-02	Stormwater Sump Pumping Station - Sections
106	090-M-03	Demolition-Operating Floor - Bar Screens
107	090-M-04	Demolition-Section - Bar Screens
108	090-M-05	Bar Screen Building - General Equipment Arrangement
109	090-M-06	Bar Screen Building - Operating Floor
110	090-M-07	Bar Screen Building - Section
111	090-M-08	Bar Screen Building - Details
112	080-M-01	Drum Screen Building - General Arrangement and Equipment List
113	080-M-02	Drum Screen Building - Operating Floor Plan
114	080-M-03	Drum Screen Building - Section
115	080-M-04	Drum Screen Building - Partial Plan & Sections
116	080-M-05	Drum Screen Building - Sections
117	080-M-06	Drum Screen Building - Platform Level Plan
118	080-M-07	Drum Screen Building - Lower Level Plan @ EL. 879.0
119	070-M-01	Dechlorination - Mechanical Legend and General Notes
120	070-M-02	Dechlorination - Mechanical Details 1
121	070-M-03	Dechlorination - Mechanical Details 2
122	070-M-04	Dechlorination - Tank Nozzle Schedule
123	SK-18	DECHLORINATION INSIDE PIPE PLAN
124	070-M-05	Dechlorination - Mechanical Plan and Sections 1
125	070-M-06	Dechlorination - Mechanical Sections and Details 1
		HVAC
126	080-H-01	Legend, Abbreviations and General Notes
127	080-H-02	HVAC - Equipment Layout Plan
128	080-H-03	HVAC - Building Elevations and Equipment Schedules



VICINITY MAP

SHEET No.		**INSTRUMENTATION**
129	DI36.101	Custer Ave. Process and Instrumentation Diagram - Instrumentation Legend
130	DI36.102	Custer Ave. Process and Instrumentation Diagram - Instrumentation Legend
131	DI36.103	Custer Ave. Process and Instrumentation Diagram - Screenings Removal
132	DI36.104	Custer Ave. Process and Instrumentation Diagram - Grit Removal
133	DI36.105	Custer Ave. Process and Instrumentation Diagram - Chemical Storage and Transfer
134	DI36.106	Custer Ave. Dechlorination Chemical Dosing Control
135	DI36.107	Custer Ave. Process and Instrumentation Diagram - Miscellaneous Systems
136	DI36.108	Piping and Instrumentation Diagram - Network Diagram
137	DI36.109	Custer Ave. Process and Instrumentation Diagram - Storm Water Sump Pumping Station
		ELECTRICAL
138	DE36.100	Electrical Legend and General Notes
139	DE36.101	Custer One Line Diagram - CSO Facility
140	DE36.102	Custer One Line Diagram - CSO Facility
141	DE36.103	Custer One Line Diagram & Electrical Schematics - CSO Facility
142	DE36.104	Custer Electrical Schematics - CSO Facility
143	DE36.105	Custer Power, Lightning and Grounding Plan Chemical Storage
144	DE36.106	Custer Misc. Electrical Lighting Plans - Chemical Storage Area
145	DE36.107	Custer Panel Schedules - Chemical Storage Area
146	DE36.108	Custer Avenue Electrical Site Plan
147	DE36.109	Custer Drum Screen Operating Floor Power Plan
148	DE36.110	Custer Drum Screen Operating Floor Lighting Plan
149	DE36.111	Custer Conduit and Wire Schedule - CSO Facility
150	DE36.112	Custer HVAC Power Plan and Schematics - CSO Facility
151	DE36.113	Custer Lightning and Grounding Plan - CSO Facility
152	DE36.114	Custer Electrical Schematics - CSO Facility
153	DE36.115	Custer Electrical Schematics - CSO Facility
154	DE36.116	Custer Operating Floor - Bar Screen Demolition
155	DE36.117	Custer Electrical Details - CSO Facility

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams–Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ (PROJECT MANAGER)

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: R YOUNG
DRAWN: R YOUNG
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
	1	AS–BUILT DRAWING	AB	1–2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

INDEX OF DRAWINGS / LOCATION PLAN

FILENAME: 36
FACILITY NUMBER
CLIENT PROJECT NUMBER
DRAWING NUMBER: 000-G-02
SHEET NUMBER OF

sloan circle.gif
CMartini
Jul 07, 2014 - 2:47pm
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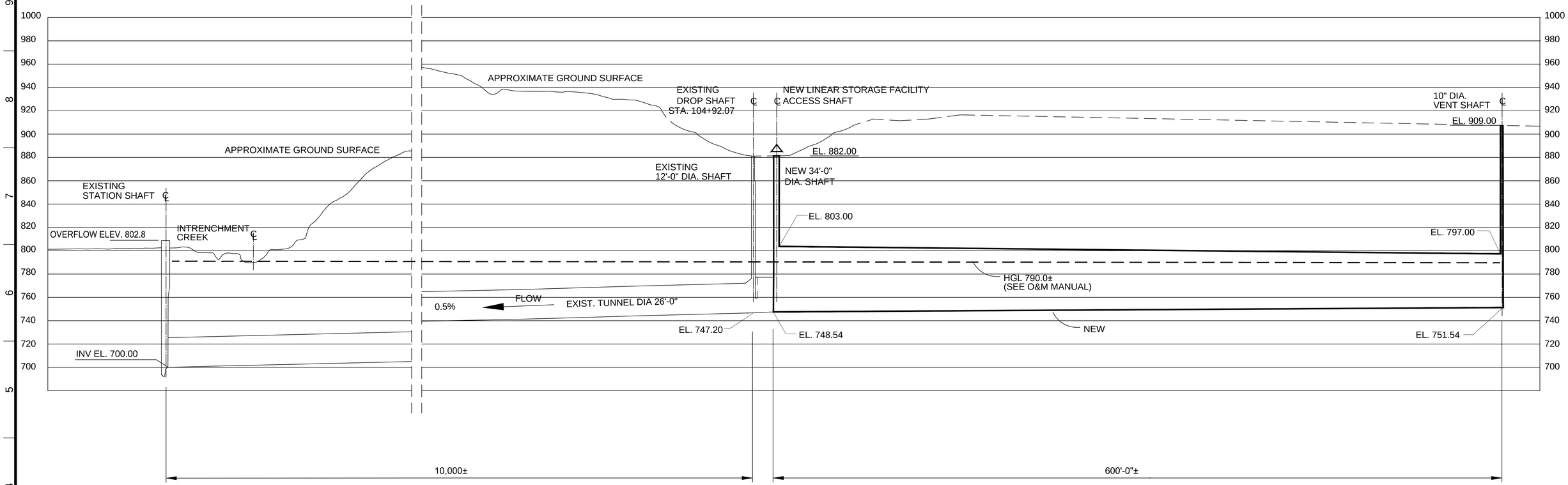

STORAGE FACILITY

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____
PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES
AT FULL SIZE
(IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: B SAWHNEY
DRAWN: R YOUNG
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE
AND DECHLORINATION FACILITY

HYDRAULIC PROFILE
STORAGE FACILITY

FILENAME: 24786-000-G-03
FACILITY NUMBER: 36
CLIENT PROJECT NUMBER: -
DRAWING NUMBER: 000-G-03
SHEET NUMBER: OF

5-25-04

Aug 01, 2014 - 8:03am tookman
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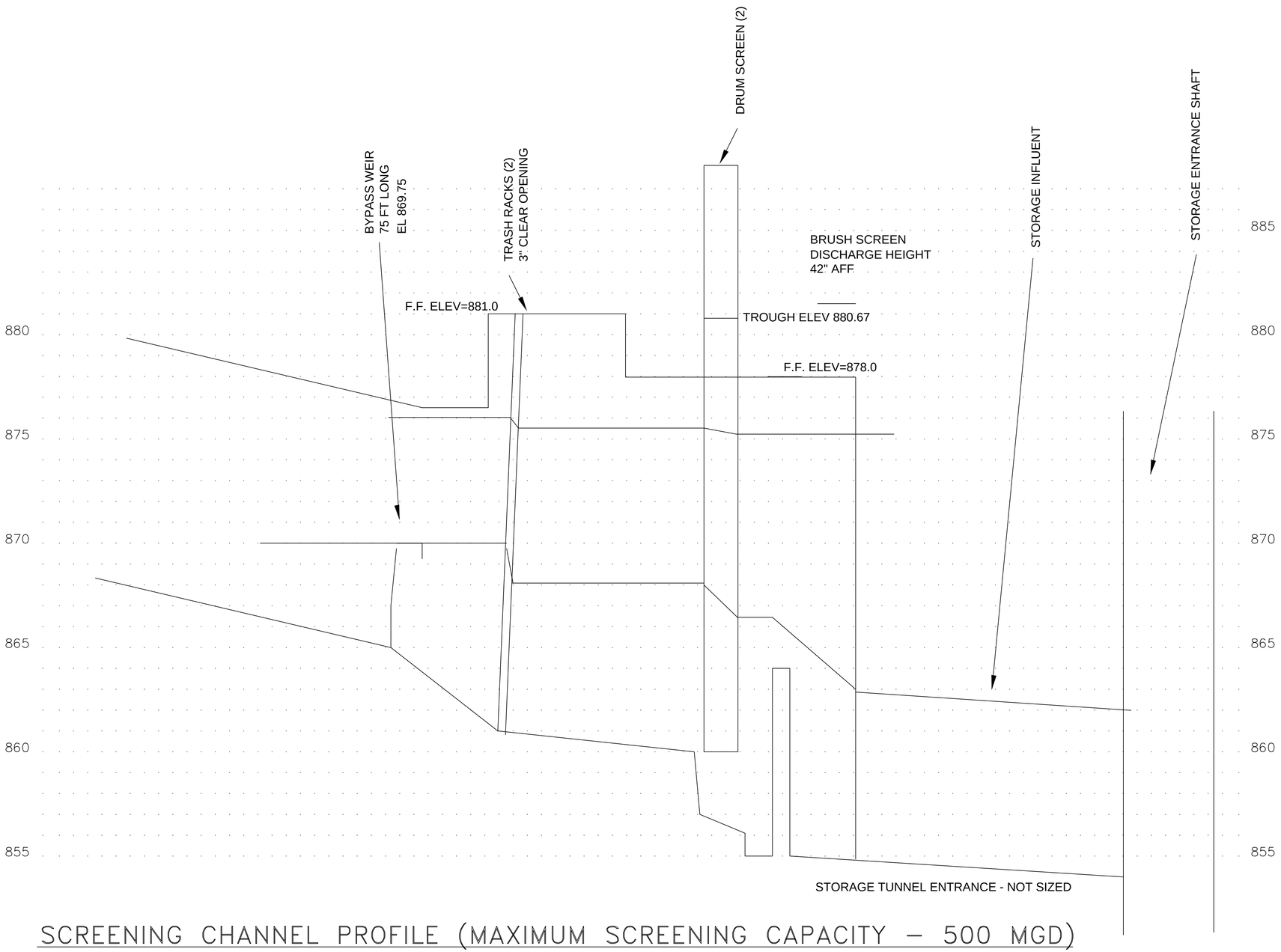

SCREENING CHANNEL PROFILE (MAXIMUM SCREENING CAPACITY – 500 MGD)

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams–Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ (PROJECT MANAGER)

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: P GURNEY
DRAWN: S KILPATRICK
CHECKED: M BONER
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
	1	AS–BUILT DRAWING	AB	1–2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

HYDRAULIC PROFILE SCREENS

FILENAME 24876-G-1004
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 000-G-04
SHEET NUMBER OF

08-12-04

toskeman
Aug 01, 2014 - 8:04am
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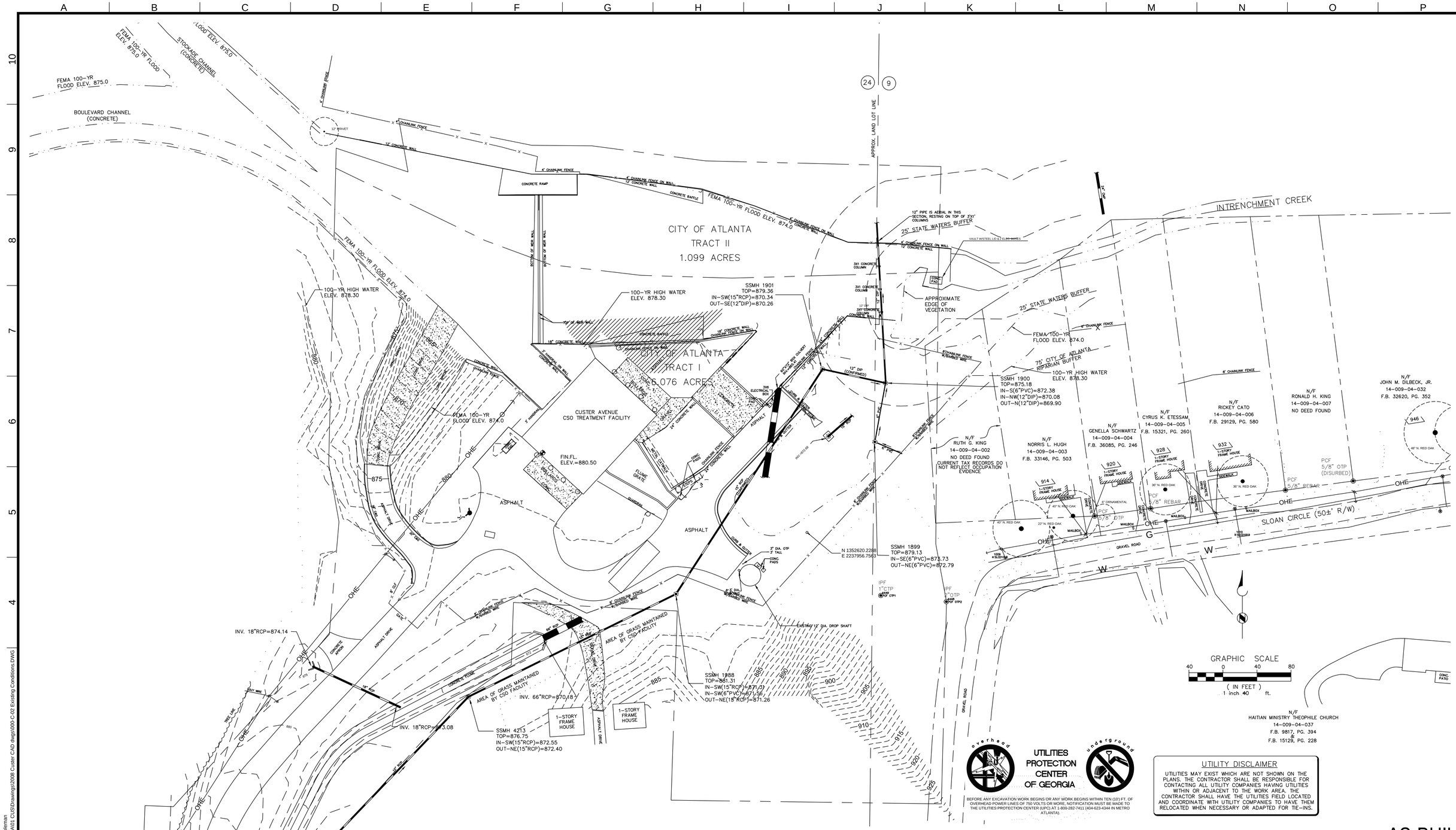

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

LINE IS 2 INCHES
AT FULL SIZE
(IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: JAB
DRAWN: TD
CHECKED: JBW
CHECKED: MVB
APPROVED:

SUBMITTED: _____ DATE: _____
PROJECT MANAGER
APPROVED: _____ DATE: _____

08-26-04

EXTERNAL REFERENCE FILES

LONG ENGINEERING, INC.

OCTOBER 12, 2004

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

SITE

EXISTING CONDITIONS

FILENAME	24876-C-40301
FACILITY NUMBER	36
CLIENT PROJECT NUMBER	
DRAWING NUMBER	000-C-02
SHEET NUMBER	OF

Aug 01, 2014 - 8:07am
toleman
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CITY OF ATLANTA
TRACT II
1.099 ACRES

CITY OF ATLANTA
TRACT I
6.076 ACRES

FEMA 100-YR FLOOD ELEV. 874.0

100-YR HIGH WATER ELEV. 878.30

PROPOSED STORMWATER SUMP PUMPING STATION. SEE DRAWINGS 090-M-01 & 090-M-02 FOR DETAILS.

CONC. APRON

CONC. DRIVE

CONCRETE WALL

CHAINLINK FENCE

BOTTOM OF WEIR WALL

TOP OF WEIR WALL

CONCRETE BAFFLE

18" CONCRETE WALL

CHAINLINK FENCE ON WALL

CUSTER AVENUE
CSO TREATMENT FACILITY

BOLLARDS

FIN.FL. ELEV.=880.50

FEMA 100-YR FLOOD ELEV. 874.0

NEW GRAVEL

PATCH AND REPAIR EXISTING ASPHALT AS REQUIRED BY OWNER/AFTER COMPLETION OF MAJOR CONSTRUCTION ACTIVITIES

ASPHALT

ASPHALT DRIVE

PROPOSED BUILDING
FFE = 881.00

SUMP PUMP

CONCRETE

ASPHALT

NEW ASPHALT PAVING

NEW ASPHALT DRIVE

MATCH EXISTING PAVEMENT

8' CLF

GATE

8' CHAINLINK FENCE W/BARBED WIRE

R45.00'

R20.00'

R60.00'

3" DIA. STUB OUT

14' GATE

3" DIA. OTP, 3' TALL CONC. PADS

N 1352620.2288
E 2237956.7563

3" CONCRETE STRIP

34' ø CONSTRUCTION/ACCESS SHAFT

8' BARB WIRE FENCE W/1-3' MAN GATE EACH

CHEMICAL CONTAINMENT PAD. SEE SHEET 400-C-03 FOR DETAIL AND CROSS SECTIONS.

EDGE PAVEMENT

CONCRETE APRON

CONCRETE PAVING

CONCRETE FLUME

PATCH AND REPAIR EXISTING DRIVE AS REQUIRED BY OWNER AFTER COMPLETION OF MAJOR CONSTRUCTION ACTIVITIES

4' CHAINLINK FENCE ON 12" CONCRETE WALL

ELEV. 874.0

25' STATE WATERS BUFFER

VAULT W/STEEL LID & 2 ELEC. BOXES

3X1 CONCRETE COLUMN

CONC. PAD

APPROXIMATE EDGE OF VEGETATION

24" CONCRETE WALL

CHAINLINK FENCE ON CONCRETE WALL

8' CHAINLINK FENCE W/BARBED WIRE

14' GATE

75' CITY OF ATLANTA RIPARIAN BUFFER

FEMA 100-YR FLOOD ELEV. 874.0

6' CHAINLINK FENCE

8' CHAINLINK FENCE

100-YR HIGH WATER ELEV. 878.30

N/F
RUTH G. KING
14-009-04-002
NO DEED FOUND
CURRENT TAX RECORDS DO NOT REFLECT OCCUPATION EVIDENCE

N/F
NORRIS L. HUGH
14-009-04-003
F.B. 33146, PG. 503

N/F
GENELLA SCHWARTZ
14-009-04-004
F.B. 36085, PG. 246

N/F
CYRUS K. ETESSAM
14-009-04-005
F.B. 15321, PG. 260

N/F
RICKEY CATO
14-009-04-006
F.B. 29129, PG. 580

N/F
RONALD H. KING
14-009-04-007
NO DEED FOUND

914 1-STORY FRAME HOUSE
920 1-STORY FRAME HOUSE
928 1-STORY FRAME HOUSE
932 1-STORY FRAME HOUSE

SIDEWALK
CONCRETE DRIVE
MAILBOX
6" ORNAMENTAL
36" N. RED OAK
40" N. RED OAK
22" N. RED OAK

SLOAN CIRCLE (50± R/

N/F
HAITIAN MINISTRY THEOPHILE CHURCH
14-009-04-037
F.B. 9817, PG. 394
&
F.B. 15129, PG. 228

LT. BROOM FINISH PERPENDICULAR TO TRAFFIC

6x6 W4.0 x 4.0 W.W.M

4000 PSI CONCRETE PAVEMENT

GRADED AGGREGATE BASE

COMPACTED SUBGRADE

NOTES:

1. EXPANSION JOINTS MAX. 15' O.C. E.W.
2. SCORED JOINTS TO BE ¼" WIDE AND ¼ THE DEPTH OF THE SLAB.
3. SEE TYPICAL JOINT DETAILS.

CONCRETE PAVEMENT SECTION

N.T.S.

PAVING LEGEND

- HEAVY DUTY ASPHALT PAVING
- CONCRETE PAVING

GRAPHIC SCALE
30 0 30 60
(IN FEET)
1 inch = 30 ft.

overhead / underground

UTILITIES PROTECTION CENTER OF GEORGIA

BEFORE ANY EXCAVATION WORK BEGINS OR ANY WORK BEGINS WITHIN TEN (10') FT. OF OVERHEAD POWER LINES OF 750 VOLTS OR MORE, NOTIFICATION MUST BE MADE TO THE UTILITIES PROTECTION CENTER (UPC) AT 1-800-282-7411 (404-623-4344 IN METRO ATLANTA).

UTILITY DISCLAIMER

UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH UTILITY COMPANIES TO HAVE THEM RELOCATED WHEN NECESSARY OR ADAPTED FOR TIE-INS.

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____
PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: JAB
DRAWN: TD
CHECKED: JBW
CHECKED: MVB
APPROVED:

EXTERNAL REFERENCE FILES

OCTOBER 12, 2004

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

SITE

SITE PLAN

FILENAME 24876-C-40301
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 000-C-04
SHEET NUMBER OF

08-26-04

Aug 01, 2014 - 8:12am
tolleman
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NOTES:

1. REMOVE EXISTING TRAPEZOIDAL CHANNEL SIDE WALL ON NORTH SIDE FOR 155 FT ± TO ALLOW CONSTRUCTION OF NEW CHANNEL. SUPPORT EXISTING GROUND.
2. FOLLOW ALIGNMENT OF EXISTING RETAINING WALL ON NORTH SIDE WITH NEW CHANNEL.

BEGIN CHANNEL AT SLOPE BREAK AT APPROXIMATELY STA 0+60

PLAIN CONCRETE

CONFERENCE CHANNEL (CONCRETE)

INV-871.12

BUTTRESS WALL LOCATIONS

10' 10' 20' 20' 20' 20' 20' 20' 10'

150' ALONG ℄ OF CHANNEL

155' ALONG ℄ OF CHANNEL SEE NOTE 1

CLOSE WITH 8' TALL STEEL ELEV. 872.00 BULKHEAD

EXISTING CONCRETE RETAINING WALL

12" PIPE

RAMP AND REQUIRED LENGTH OF WEIR TO BE REMOVED

RAMP

BOBCAT ACCESS RAMP

WEIR (FOR DETAILS SEE DRAWING NO. 000-S-14)

STOCKADE CREEK

INTRENCHMENT CREEK

BOULEVARD CHANNEL (CONCRETE)

THIS 80'-0" LONG SECTION TO BE INSTALLED AFTER SEWER SEPARATION

SEE DETAIL 1 / S-13

GRAPHIC SCALE
40 0 40 80
(IN FEET)
1 inch 40 ft.

BOREHOLE #1

EXISTING CUSTER AVENUE CSO SCREENING FACILITY El.=880.50'

BOREHOLE #1

BOREHOLE #9 / #9A

BOREHOLE #12

BOREHOLE

16' ø ACCESS SHAFT

UNDERGROUND LINEAR STORAGE FACILITY

BOREHOLE #5

APPROX. LAND LOT LINE

INTRENCHMENT CREEK

RUTH G. KING

NORRIS L. HUGH

GENELLA SCHWARTZ

CYRUS K. ETESSAM

RICKEY CATO

1 - STORY FRAME

6" ORNAMENTAL

40" N. RED OAK

32" N. RED OAK

30" N. RED OAK

TOP REROUTING CHANNEL WALL

876.5

TOP OF FIXED WEIR = 871.72' ±

872.0

870.2 ±

INVERT REROUTING CHANNEL

868.14

TOP OF EXISTING WEIR = 869.3' ±

864.9 ±

VELOCITY DISSIPATORS (FOR DETAILS SEE DWG. NO. 000-S-12)

873
869
865

0+00 0+40 0+80 1+20 1+60 2+00 2+40 2+80 3+20 3+60 4+00 4+40 4+80 5+20 5+60 6+00 6+40 6+80 7+20 7+60 8+00 8+40 8+80 9+20 9+60 10+00 10+40 10+80 11+20

AS-BUILT

PB PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____
PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED:
DRAWN:
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS

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	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

REROUTING CHANNEL

PLAN AND PROFILE

FILENAME	1589700DC17.DWG
FACILITY NUMBER	36
CLIENT PROJECT NUMBER	
DRAWING NUMBER	000-C-17
SHEET NUMBER	OF

tcoleman
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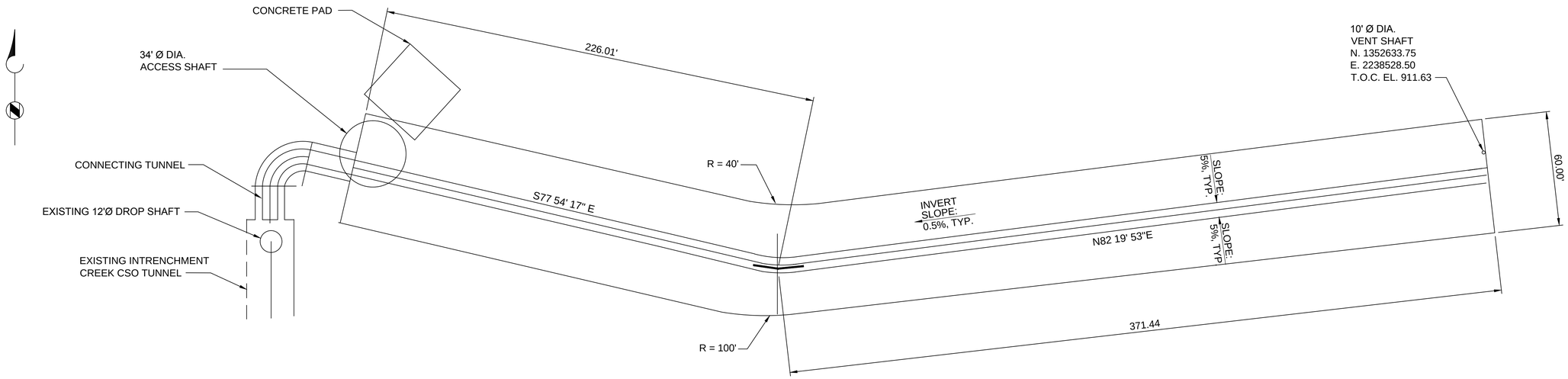
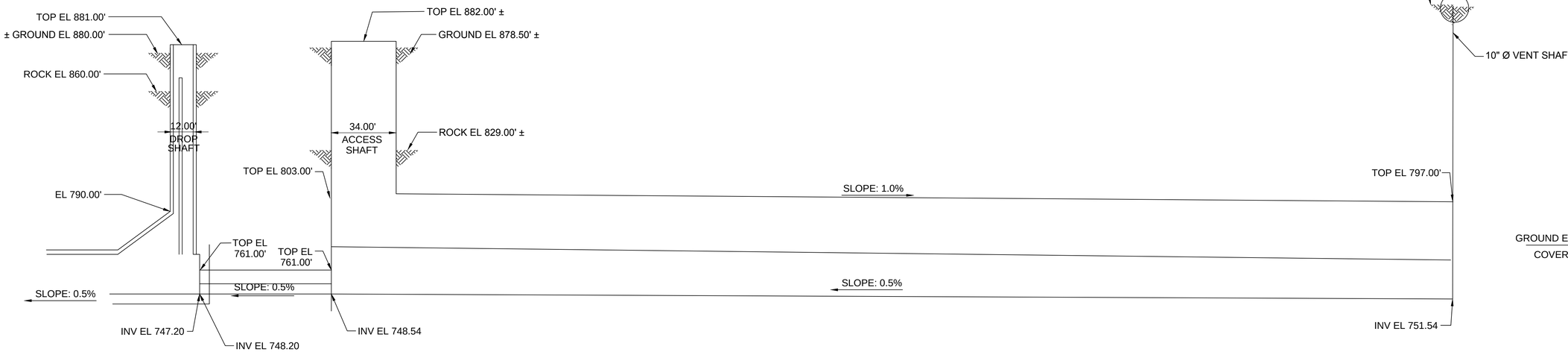
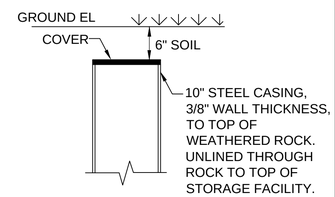


PLAN
SCALE: 1"=30'



PROFILE
SCALE: 1"=30'



DETAIL 1/– NTS

NOTES:

1. PROVIDE STATE PLANE COORDINATES FOR ℄ 10" CASING.
2. PROVIDE THREADED COVER WITH REMOVABLE NUT ON TOP OF CASING.

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED:
DRAWN:
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

FOR AGENCY REVIEW ONLY

NOT FOR CONSTRUCTION

SEPTEMBER 1, 2004

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE
AND DECHLORINATION FACILITY

STORAGE FACILITY

PLAN AND PROFILE

FILENAME
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 080-C-01
SHEET NUMBER OF

tcoleman
Aug 01, 2014 - 8:18am
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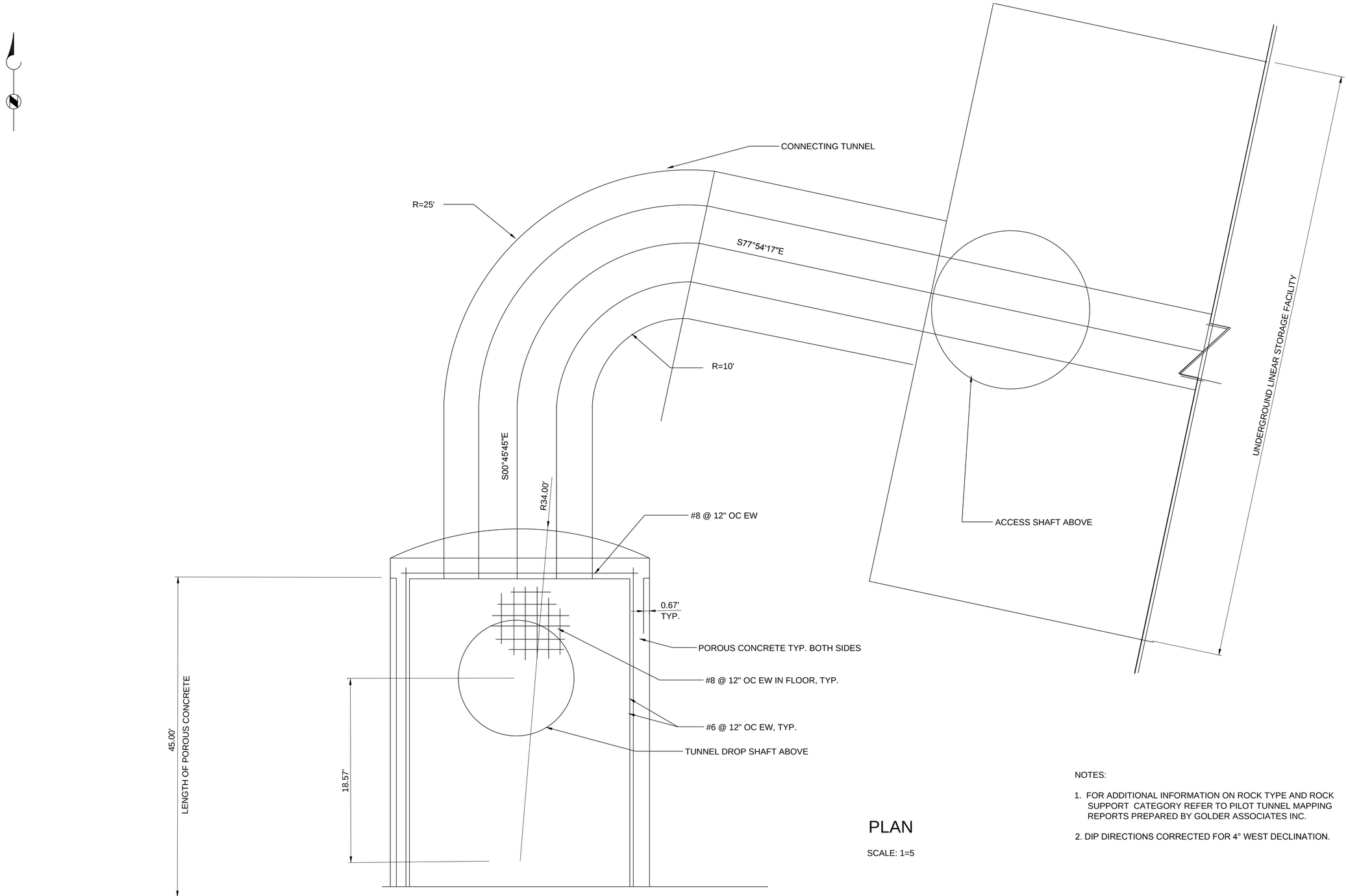
SK-10.jpg



PLAN

SCALE: 1=5

NOTES:

1. FOR ADDITIONAL INFORMATION ON ROCK TYPE AND ROCK SUPPORT CATEGORY REFER TO PILOT TUNNEL MAPPING REPORTS PREPARED BY GOLDER ASSOCIATES INC.
2. DIP DIRECTIONS CORRECTED FOR 4° WEST DECLINATION.

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ (PROJECT MANAGER)

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED:
DRAWN:
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES
XCCSO-010-C-1000-01.DWG
new survey.dwg
22X34BORDER.DWG

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NOT FOR CONSTRUCTION
SEPTEMBER 1, 2004

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

STORAGE FACILITY

CONNECTING TUNNEL DETAIL

FILENAME
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 080-C-02
SHEET NUMBER OF

tolleman
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SCREENING FACILITY

GUARDRAIL

DECHLORINATION BUILDING

BACKFLOW PREVENTOR

EXISTING ASPHALT PAVEMENT

8"-POT-DI

EX. 8"-POT-DI

6"-DR-PVC

6"-PW-DI

3/4"-POT-GAL

4"-DR-PVC

3"x6"-SB-PVC

3"-PW-DI

4" INV= 877.75

8"-SD-PVC

4"-DR-PVC

3/4"-POT-GAL

1 PLAN AND PROFILE
C-36-01 | C-36-02

3"-SB-PVC

EXISTING 8' CHAINLINK FENCE

4" INV= 876.52

4"-DR-PVC

4"-DR-PVC

1 TRUCK CONTAINMENT PAD
400-C-01 | 400-C-03

EXISTING ASPHALT PAVEMENT

8"-POT-DI

6"-PW-DI

EXISTING 8' CHAINLINK FENCE

EXISTING MANHOLE

30'X40' STORAGE AREA FOR TUNNEL EXCAVATION

EXISTING 66" RCP

EXISTING 15" RCP SANITARY SEWER

SEE SKETCHES SK-05 AND SK-06 FOR DETAILS

EX. 66"RCP
INV.=870.18

+ 877.5

EXISTING GRAVEL DRIVE

N

10 0 10 20
SCALE IN FEET

AS-BUILT

WWETCO, LLC / PARSONS	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
Wet Weather Engineering & Technology	DESIGNED:
5390 Triangle Parkway, Suite 100, Norcross, GA 30092, (770) 446-4900	DRAWN:
SUBMITTED: _____ DATE: _____ PROJECT MANAGER	CHECKED:
APPROVED: _____ DATE: _____	CHECKED:
	APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2009	
		ISSUE FOR BID	JTS	11/04/04	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

CUSTER AVENUE
UTILITIES ROUTING PLAN

FILENAME
PROJECT NUMBER
CLIENT PROJECT NUMBER
DRAWING NUMBER 400-C-01
SHEET NUMBER OF

Aug 01, 2014 - 8:32am tolliman
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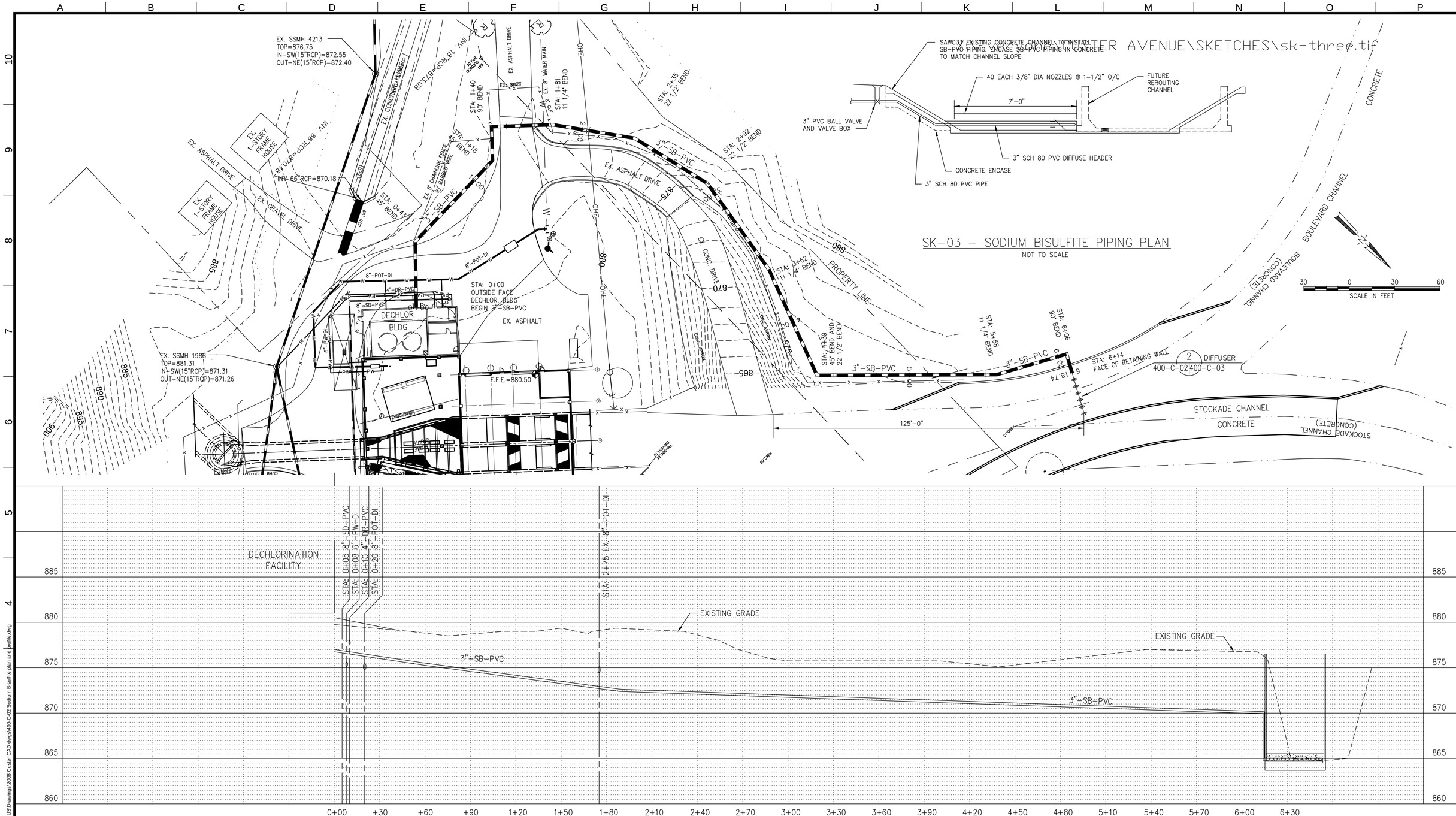

SAWCUT EXISTING CONCRETE CHANNEL TO INSTALL SB-PVC PIPING, ENCASE SB-PVC PIPING IN CONCRETE TO MATCH CHANNEL SLOPE

SK-03 – SODIUM BISULFITE PIPING PLAN

NOT TO SCALE

AS-BUILT

WWETCO, LLC
Wet Weather Engineering & Technology
PARSONS
5390 Triangle Parkway, Suite 100,
Norcross, GA 30092, (770) 446-4900

SUBMITTED: _____ DATE: _____
PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED:
DRAWN:
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2009	
		ISSUE FOR BID	JTS	11/04/04	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

CUSTER AVENUE
SODIUM BISULFITE PLAN AND PROFILE

FILENAME	
PROJECT NUMBER	
CLIENT PROJECT NUMBER	
DRAWING NUMBER	400-C-02
SHEET NUMBER	OF

tsoleman
Aug 01, 2014 - 8:33am
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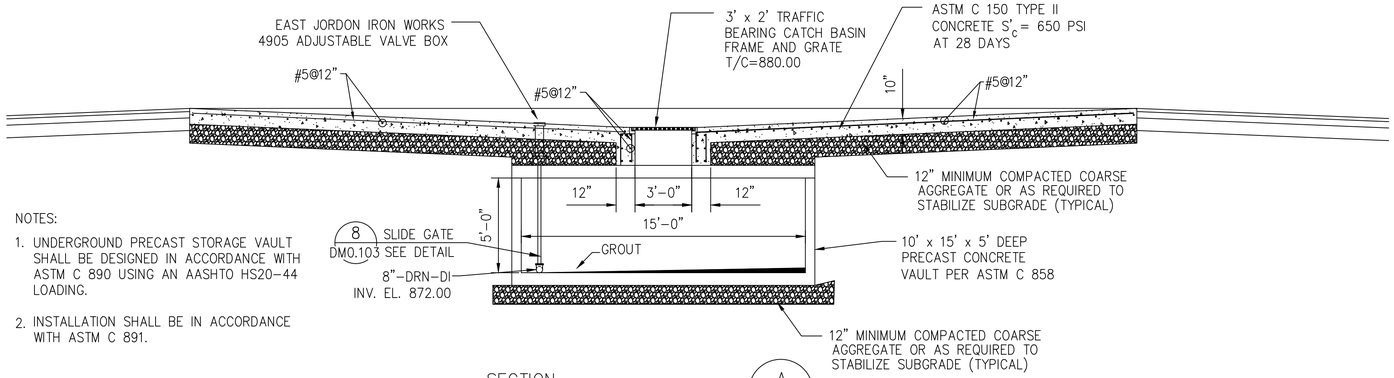
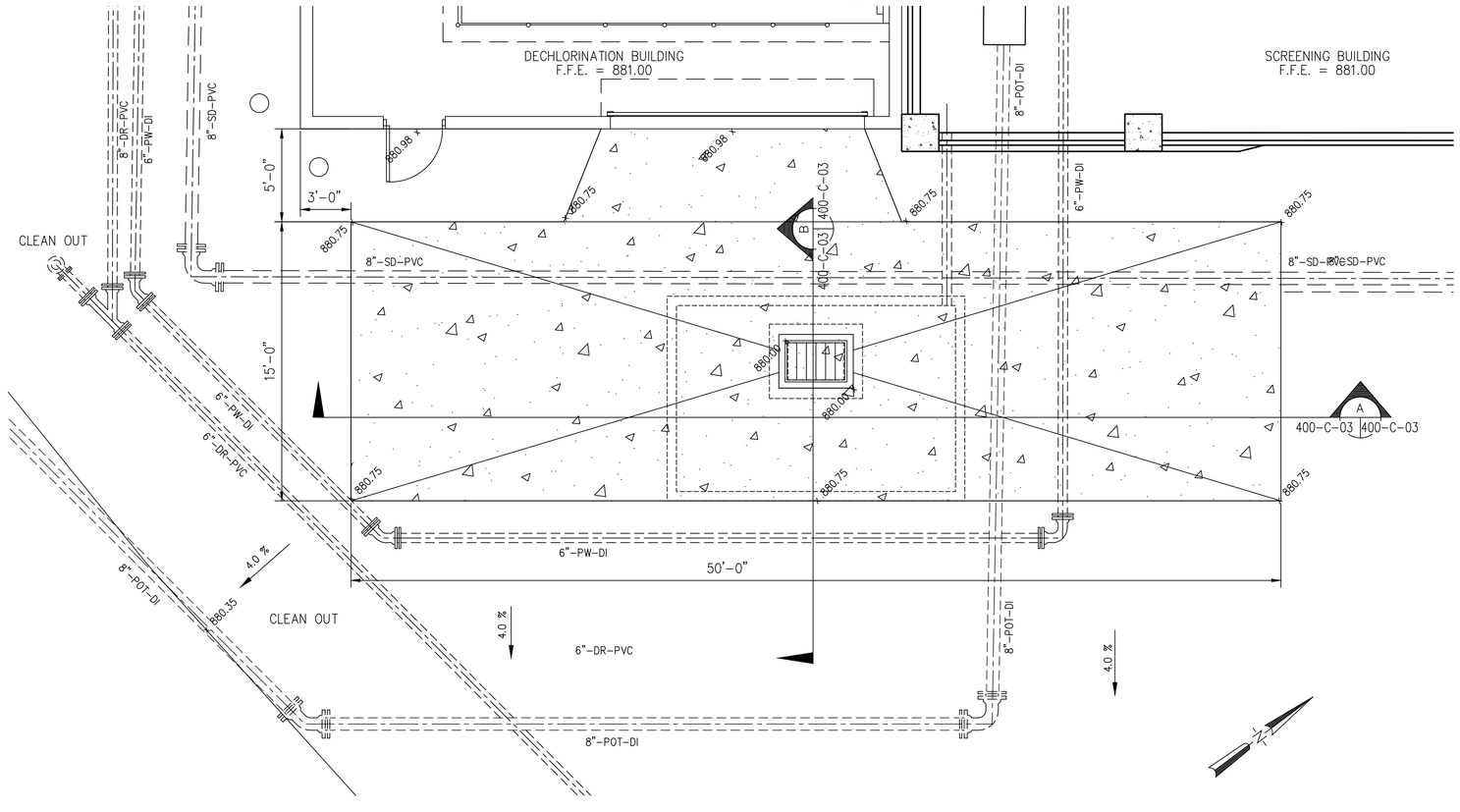


NOTES:

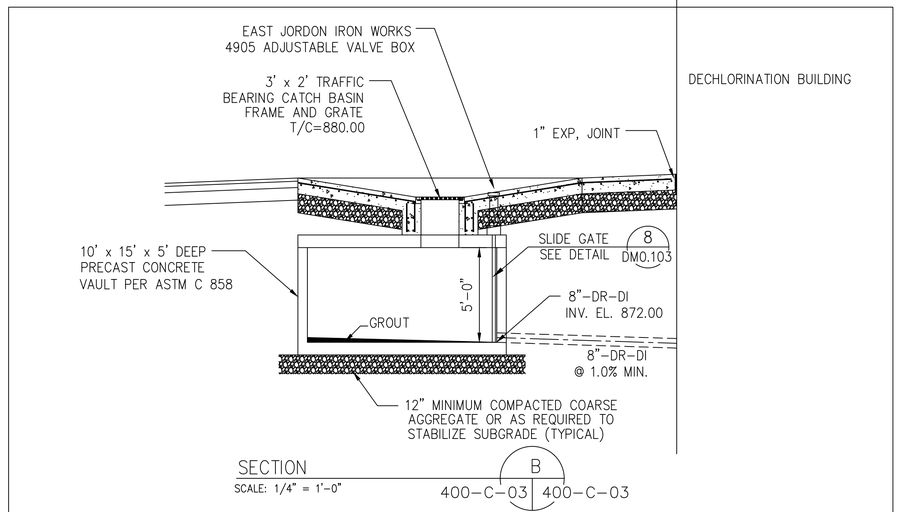
1. UNDERGROUND PRECAST STORAGE VAULT SHALL BE DESIGNED IN ACCORDANCE WITH ASTM C 890 USING AN AASHTO HS20-44 LOADING.
2. INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM C 891.

SECTION A
SCALE: 1/4" = 1'-0"
400-C-03 | 400-C-03



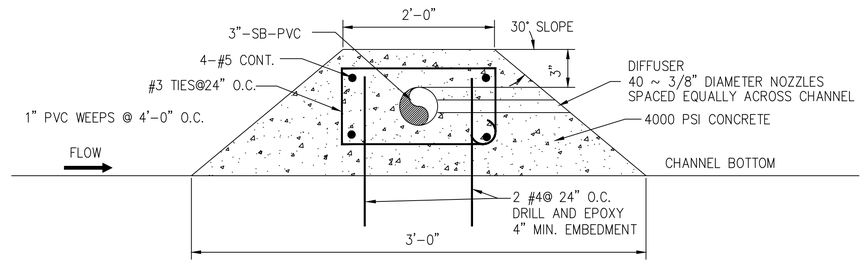
TRUCK CONTAINMENT PAD PLAN 1
SCALE: 1/4" = 1'-0"
400-C-01 | 400-C-03

4 0 4 8
SCALE IN FEET

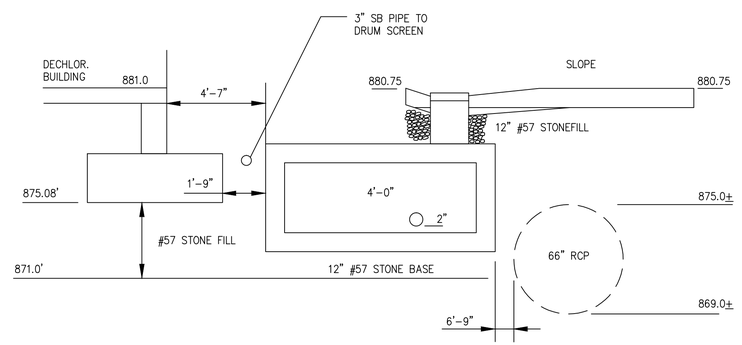


SECTION B
SCALE: 1/4" = 1'-0"
400-C-03 | 400-C-03

SEE SK-04 BELOW FOR AS BUILT INFO



DIFFUSER ENCASEMENT DETAIL 2
SCALE: 1" = 1'-0"
400-C-02 | 400-C-03



SK - 04 - TRUCK CONTAINMENT PAD AND VAULT
NOT TO SCALE

AS-BUILT

WWETCO, LLC
Wet Weather Engineering & Technology
PARSONS
5390 Triangle Parkway, Suite 100,
Norcross, GA 30092, (770) 446-4900

SUBMITTED: _____ DATE: _____
PROJECT MANAGER
APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED:
DRAWN:
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2009	
		ISSUE FOR BID	JTS	11/04/04	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

CUSTER AVENUE
CIVIL DETAILS AND SECTIONS

FILENAME	
PROJECT NUMBER	
CLIENT PROJECT NUMBER	
DRAWING NUMBER	400-C-03
SHEET NUMBER	OF

Aug 01, 2014 - 8:34am
tolleman
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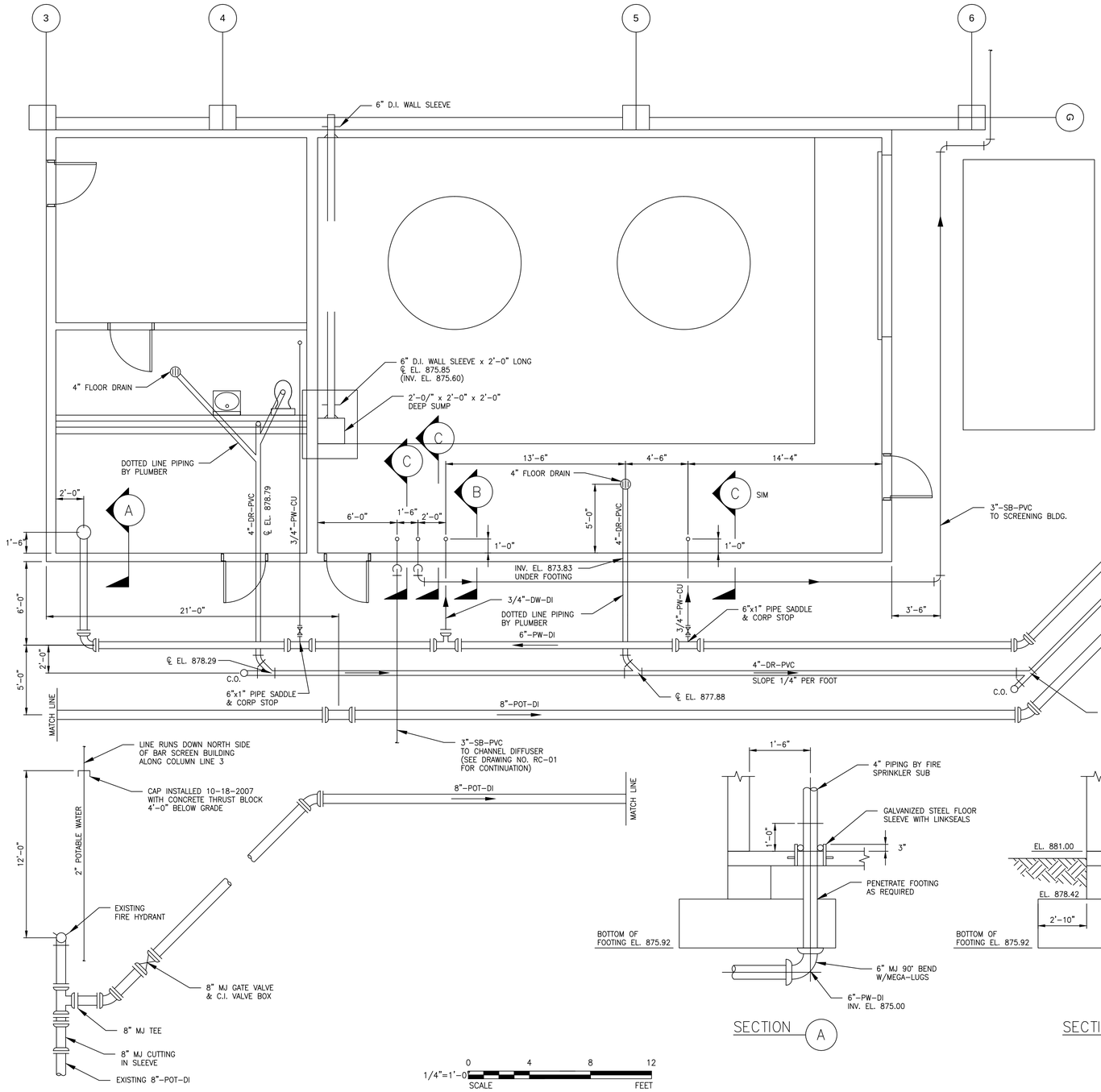


DECHLORINATION BUILDING UNDERSLAB AND AREA PIPING

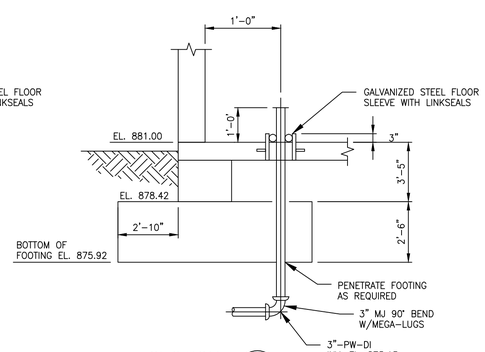
(REFERENCE DRAWINGS 000-C-05, 400-C-01, 070-M-05)

NOTES

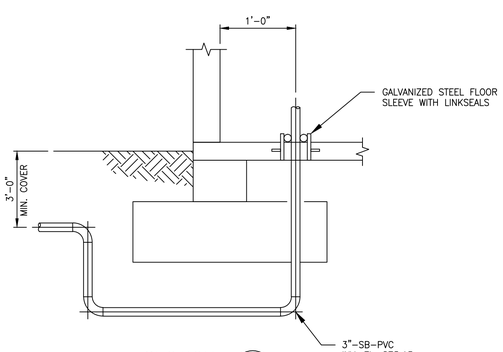
1. DUCTILE IRON PIPE BY AMERICAN CAST IRON PIPE CO.*
2. DI PIPE AND FITTINGS TO BE PRESS. CLASS 350.
3. DI PIPE AND FITTINGS TO BE AWWA C110
4. DI PIPE JOINTS RESTRAINED WITH ACIPCO "FAST GRIPO GASKETS".
5. DI MJ FITTINGS RESTRAINED WITH "MEGA-LUG" RESTRAINED JOINTS.
6. 3"-SB-PVC TO BE SCH. 80 PVC PIPE.
7. 4"-DR-PVC TO BE SCH. 40 DWV PIPE
8. ¾"-PW-CU TO BE TYPE L HARD COPPER.

* AMERICAN CAST IRON PIPE COMPANY MATERIAL SPECIFICATIONS WERE PREVIOUSLY SUBMITTED.

SECTION A



SECTION B



SECTION C

AS-BUILT

PB PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____
PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: R POPE
DRAWN: C LANGWORTHY
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE
AND DECHLORINATION FACILITY

DECHLORINATION
YARD PIPE PLAN

FILENAME: 24876-M-1306
FACILITY NUMBER: 36
CLIENT PROJECT NUMBER:
DRAWING NUMBER: SK-19
SHEET NUMBER: OF

tcoleman
Aug 01, 2014 - 10:29am
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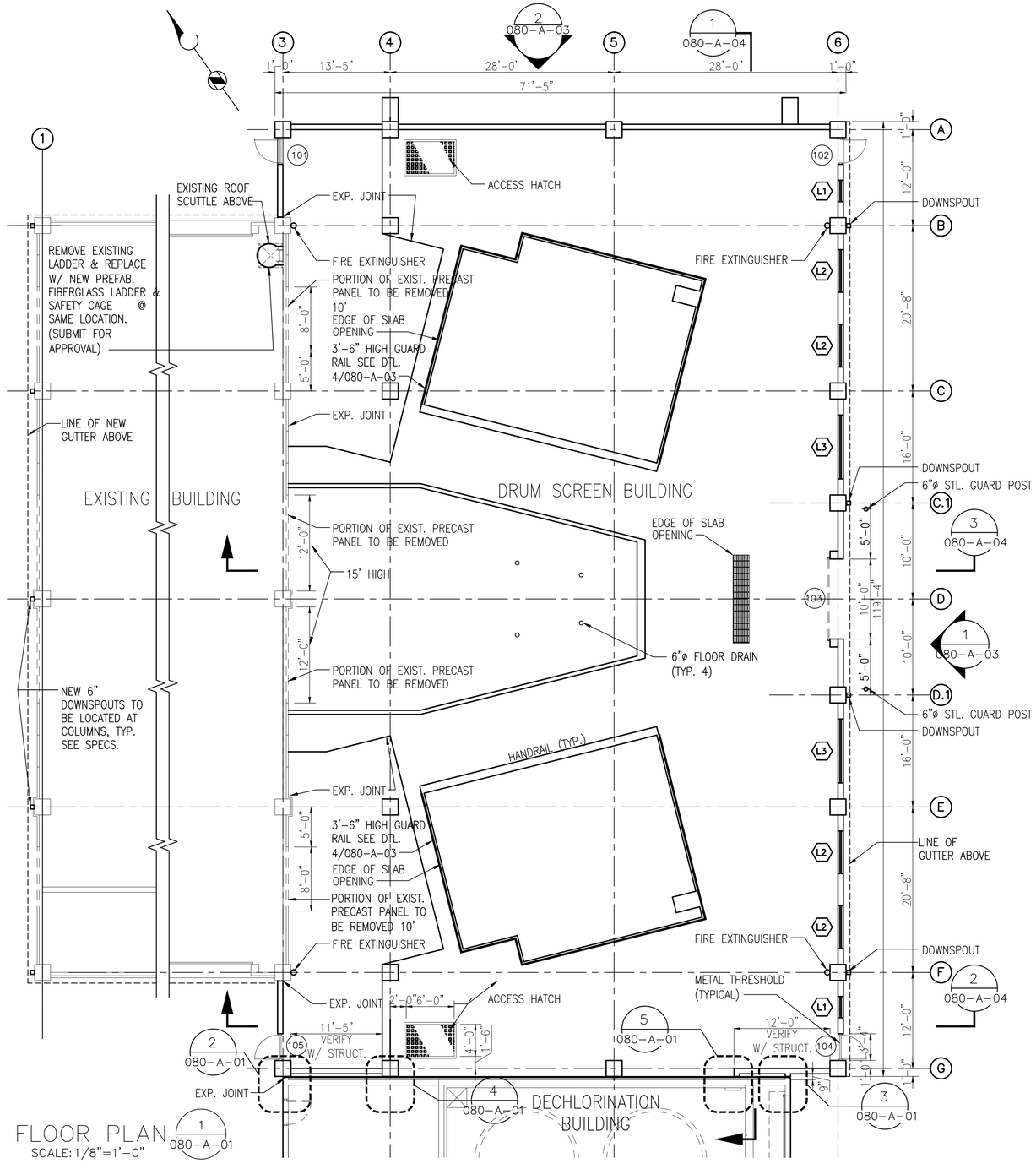
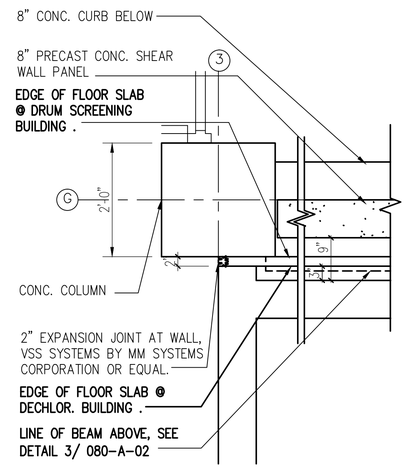
10-27-04



FLOOR PLAN 1 080-A-01
SCALE: 1/8"=1'-0"



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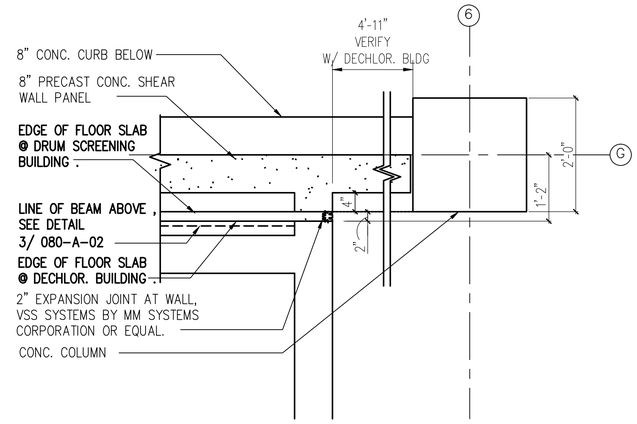
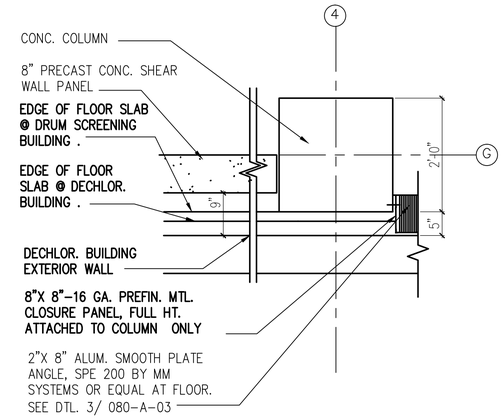
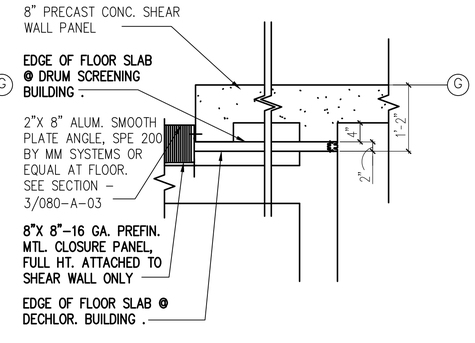


DETAIL 3 080-A-01
SCALE: 3/4"=1'-0"



DETAIL 4 080-A-01
SCALE: 3/4"=1'-0"



DETAIL 5 080-A-01
SCALE: 3/4"=1'-0"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____
PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: K.NELSON
DRAWN: K.NELSON
CHECKED: C.PERINCHIEF
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

DRUM SCREEN BUILDING FLOOR PLAN AND DETAILS

FILENAME	
FACILITY NUMBER	36
CLIENT PROJECT NUMBER	
DRAWING NUMBER	080-A-01
SHEET NUMBER	OF

tcoleman
Aug 01, 2014 - 10:10am
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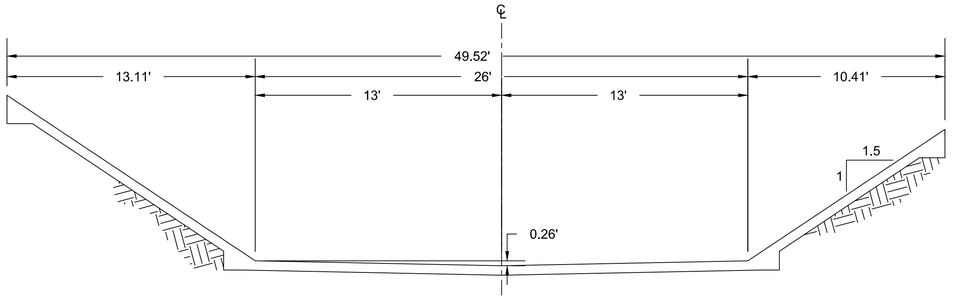
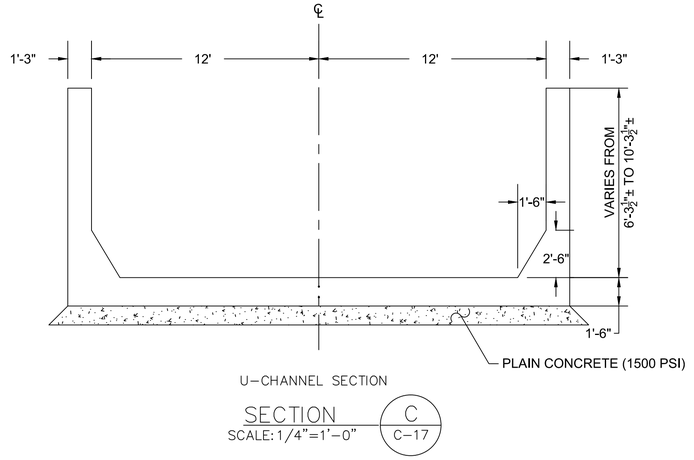


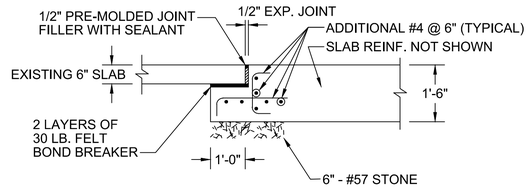
EXISTING TRAPEZOIDAL SECTION

SECTION A — SCALE: 1/4"=1'-0" — C-17

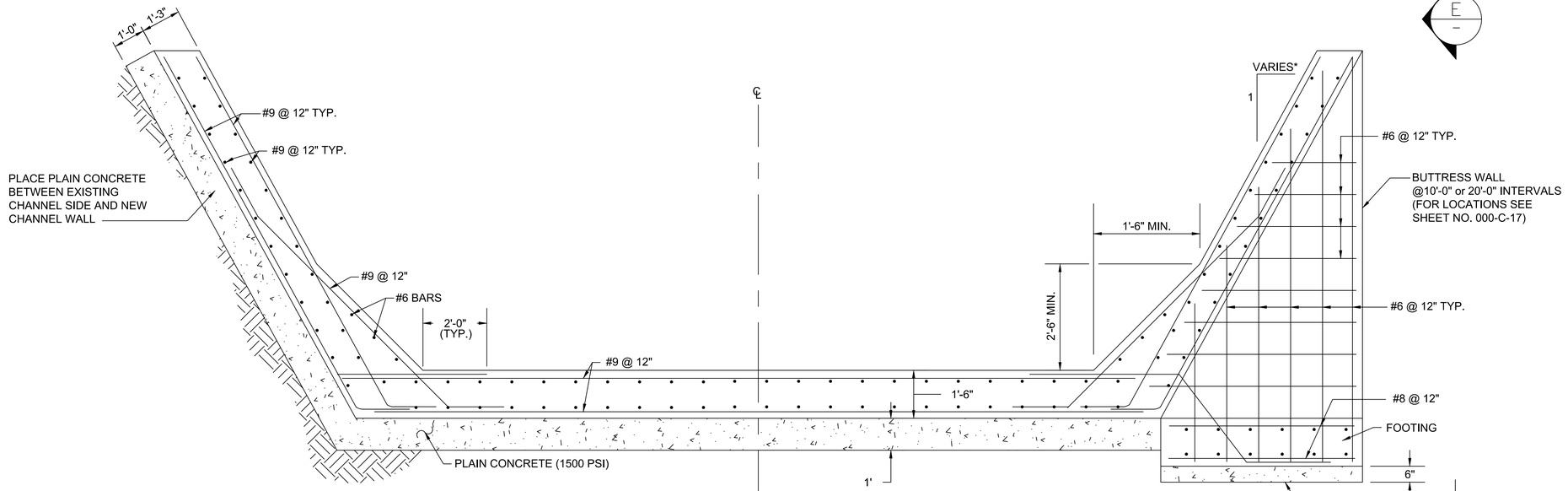


U-CHANNEL SECTION

SECTION C — SCALE: 1/4"=1'-0" — C-17



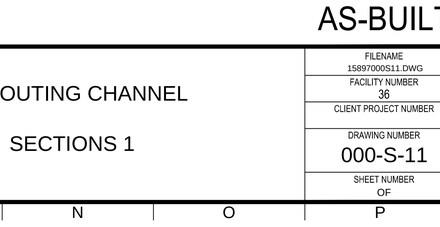
DETAIL 1 — SCALE: 1/2"=1'-0" — –



TRANSITION

SECTION B — SCALE: 1/2"=1'-0" — C-17

*THE SLOPE VARIES FROM THE SLOPE OF THE EXISTING CHANNEL IF VERTICAL FOR NORMAL U-CHANNEL SEE DRAWING NO. 000-S-13 FOR NOTES



SECTION E — SCALE: 1/2"=1'-0" — –

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ (PROJECT MANAGER)

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: T. CHAUDRY
DRAWN: E. YOUNG
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
		ISSUED FOR BID			
	1	AS-BUILT DRAWING	AB	1-2009	

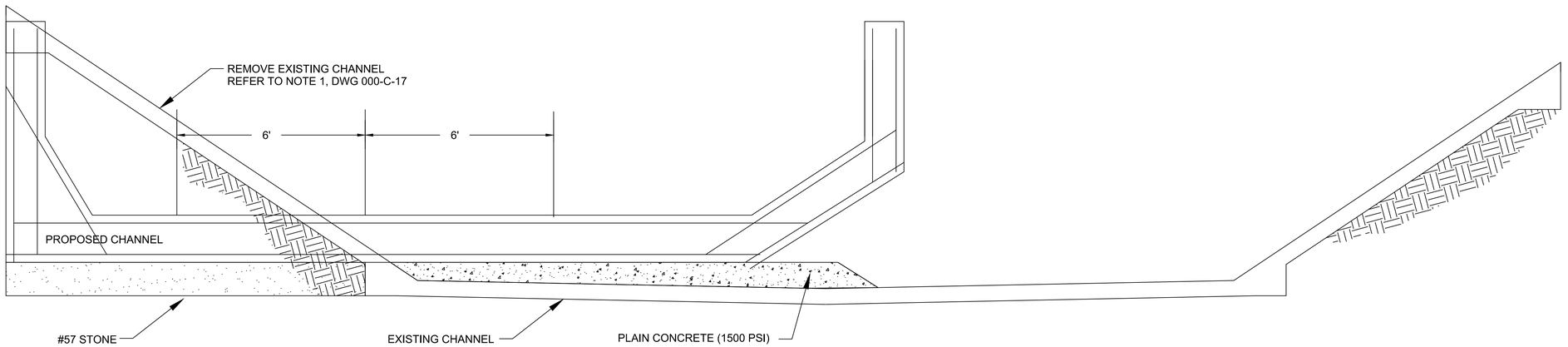
CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

REROUTING CHANNEL

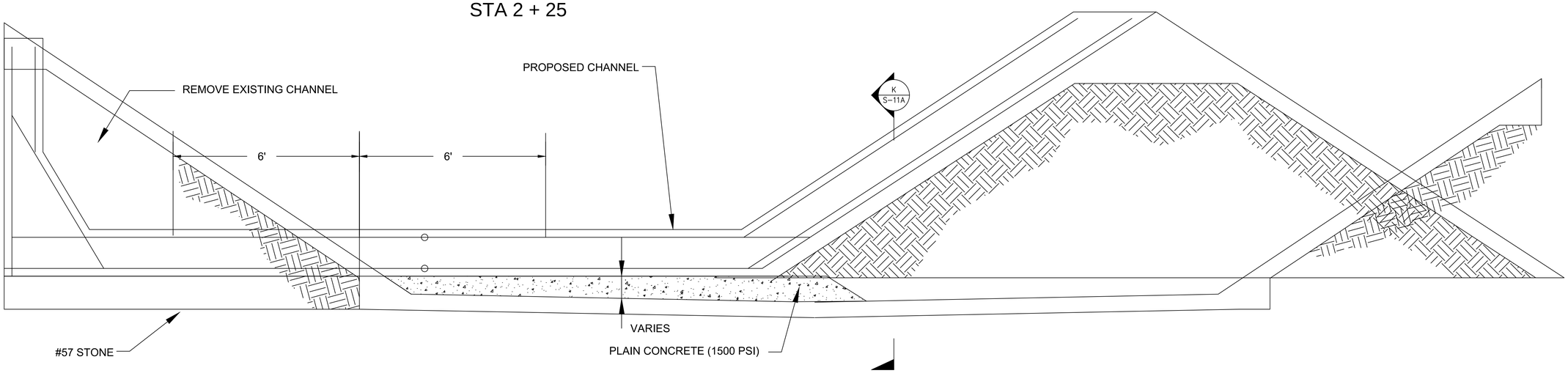
SECTIONS 1

FILENAME 15897000S11.DWG
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 000-S-11
SHEET NUMBER OF



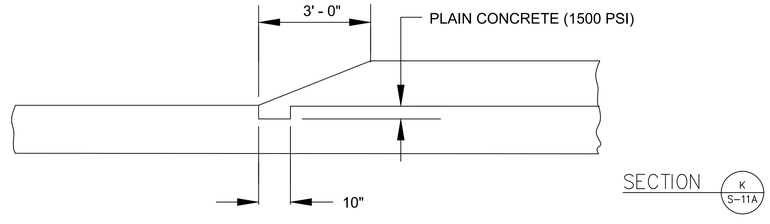
SECTION G C-17

STA 2 + 25



SECTION F C-17

STA 2 + 05



SECTION K S-11A

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____
PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES
AT FULL SIZE
(IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: T. CHAUDRY
DRAWN: E. YOUNG
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.
		ISSUED FOR BID			
	1	AS-BUILT DRAWING	AB	1-2009	

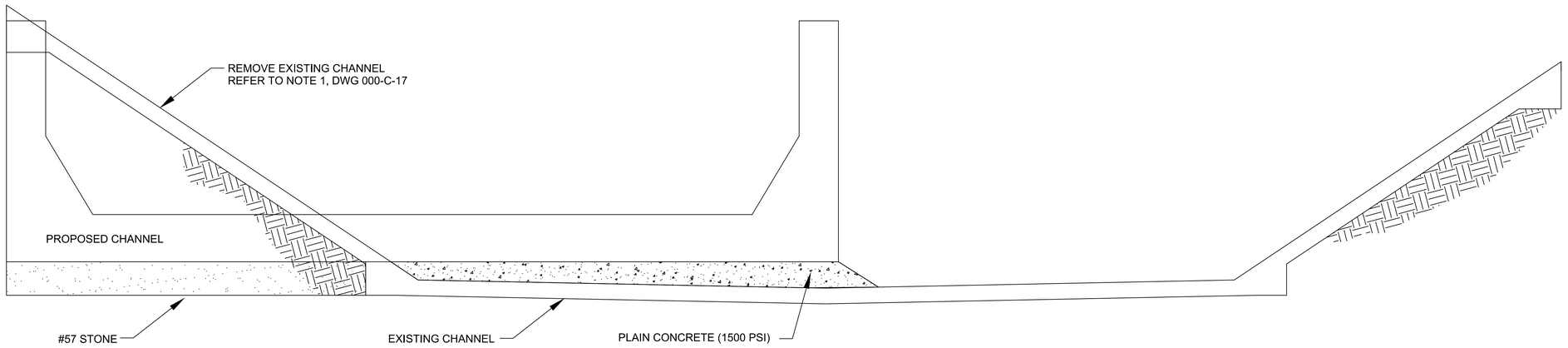
CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

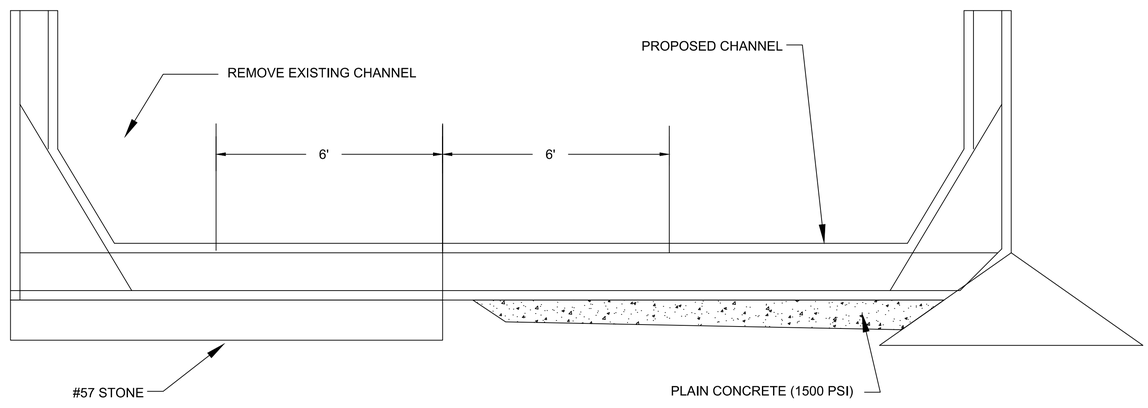
REROUTING CHANNEL

SECTIONS 1A

FILENAME: 15897000S11.DWG
FACILITY NUMBER: 36
CLIENT PROJECT NUMBER:
DRAWING NUMBER: 000-S-11A
SHEET NUMBER: OF



SECTION J / C-17



SECTION H / C-17

AS-BUILT

PB PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____
PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: T. CHAUDRY
DRAWN: E. YOUNG
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.
		ISSUED FOR BID			
	1	AS-BUILT DRAWING	AB	1-2009	

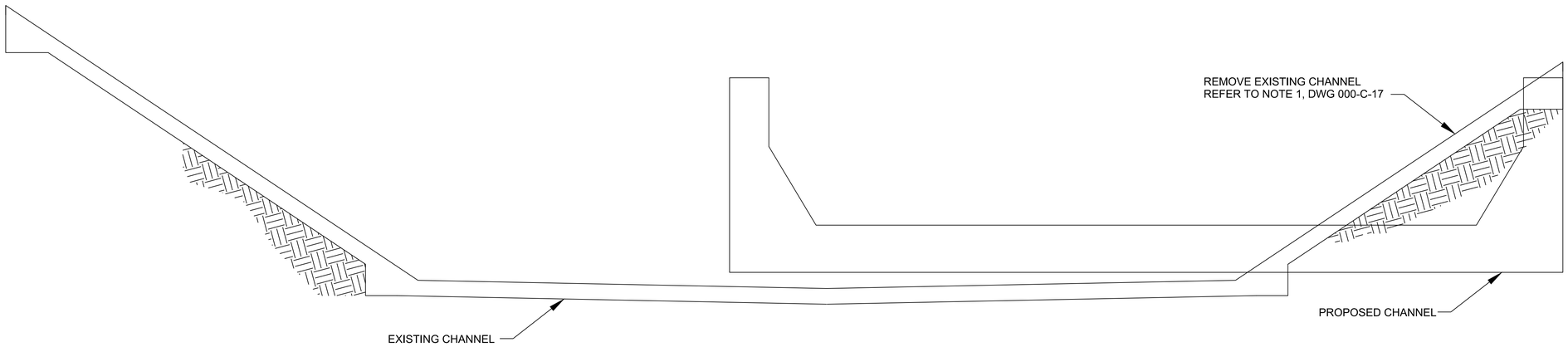
CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

REROUTING CHANNEL

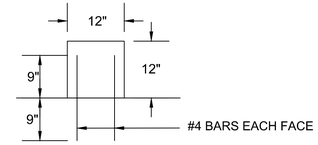
SECTIONS 1B

FILENAME: 15897000S11.DWG
FACILITY NUMBER: 36
CLIENT PROJECT NUMBER:
DRAWING NUMBER: 000-S-11B
SHEET NUMBER: OF

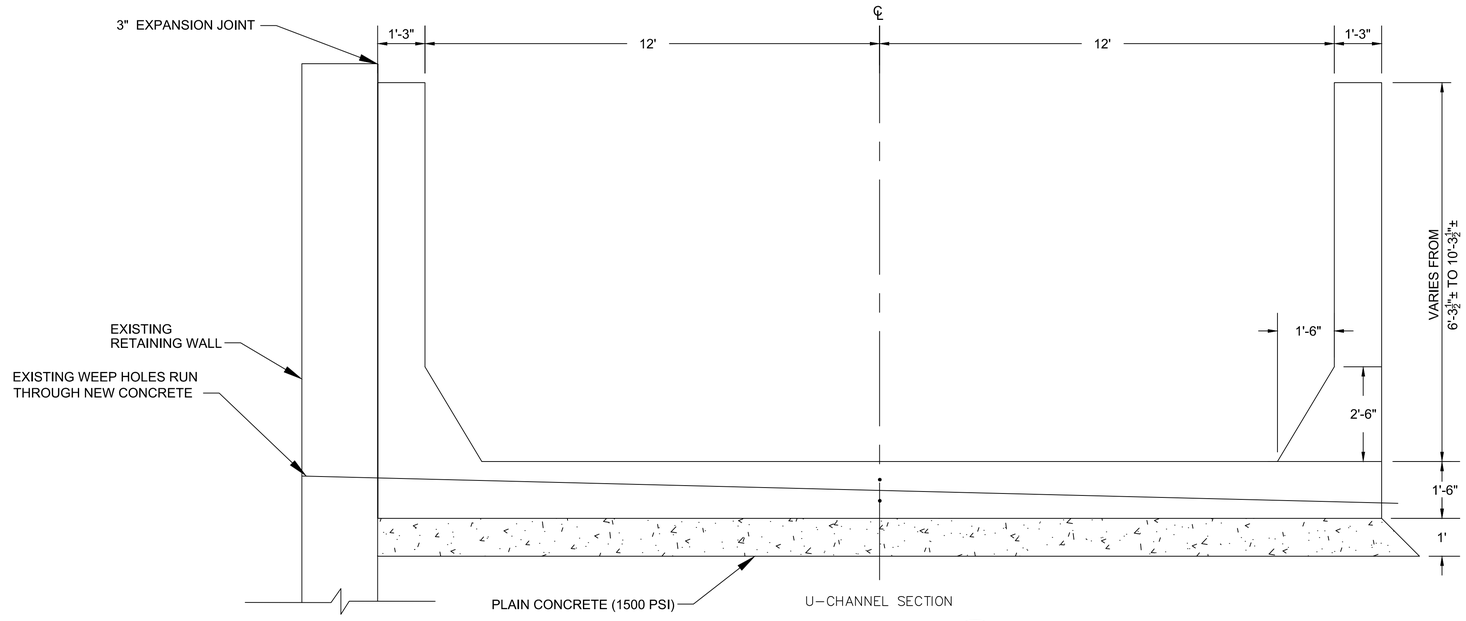


EXISTING AND PROPOSED CHANNELS AT SECTION C

(SCHEMATIC)

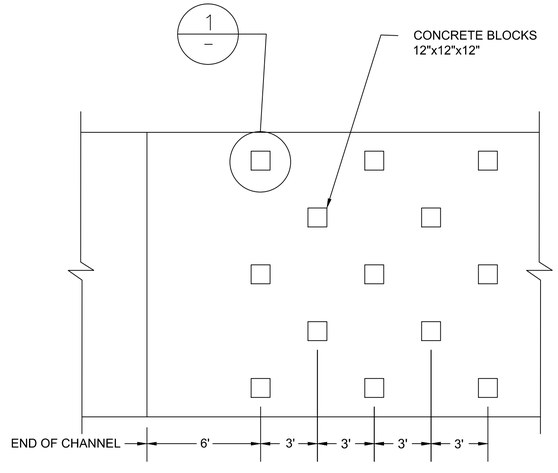


DETAIL 1/– NTS



U–CHANNEL SECTION

SECTION D/C–17



VELOCITY DISSIPATORS

SEE DWG. 000–C–17

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams–Russell and Johnson, Inc.

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED:
DRAWN:
CHECKED:
CHECKED:
APPROVED:

SUBMITTED: _____ DATE: _____ PROJECT MANAGER

APPROVED: _____ DATE: _____

EXTERNAL REFERENCE FILES

FOR AGENCY REVIEW ONLY

NOT FOR CONSTRUCTION

SEPTEMBER 1, 2004

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS–BUILT DRAWING	AB	1–2005	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

REROUTING CHANNEL

SECTIONS 2

FILENAME	
FACILITY NUMBER	36
CLIENT PROJECT NUMBER	
DRAWING NUMBER	000-S-12
SHEET NUMBER	OF

tonkman
Aug 01, 2014 - 8:53am
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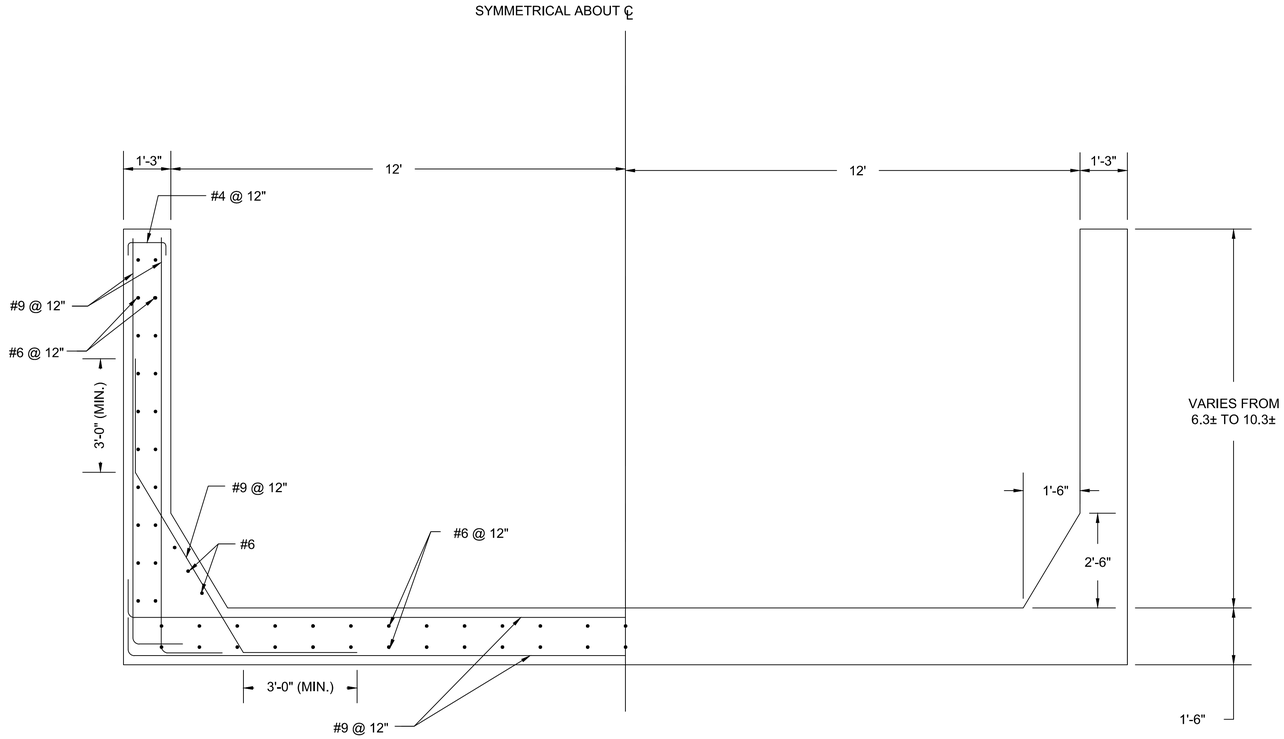
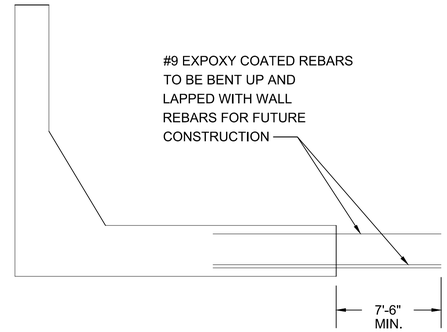
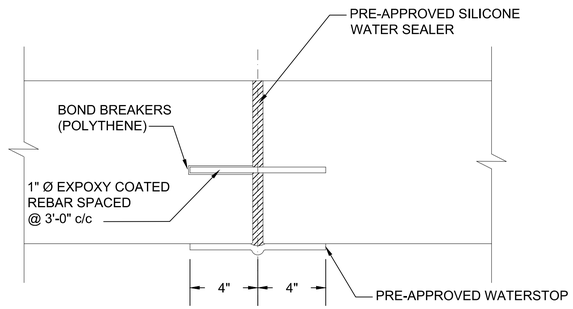


REINFORCEMENT DETAILS FOR U-CHANNEL



OPEN AREA OF CHANNEL

DETAIL 1 / C-17
NTS



CONSTRUCTION JOINT

DETAIL 2 / –
NTS

MIN. LAP LENGTHS FOR EPOXY COATED REINFORCEMENT

#4 = 2'-3"
#5 = 3'-0"
#6 = 3'-6"
#8 = 5'-9"
#9 = 7'-3"

NOTES:

1. *REINFORCING STEEL SHALL BE GRADE 60 EPOXY COATED.*
2. *CONCRETE SHALL HAVE A MIN. 28 DAY STRENGTH OF 3500 PSI.*
3. *REINFORCING STEEL CLEARANCE SHALL BE 3".*
4. *IN ORDER TO REDUCE THE FLOW LOSSES THE INSIDE FACES OF THE CHANNEL SHALL BE MADE AS SMOOTH AS POSSIBLE.*

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ (PROJECT MANAGER)

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED:
DRAWN:
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

FOR AGENCY REVIEW ONLY

NOT FOR CONSTRUCTION

SEPTEMBER 1, 2004

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE
AND DECHLORINATION FACILITY

REROUTING CHANNEL

DETAILS

FILENAME	
FACILITY NUMBER	36
CLIENT PROJECT NUMBER	
DRAWING NUMBER	000-S-13
SHEET NUMBER	OF

tcoleman
Aug 01, 2014 - 8:54am
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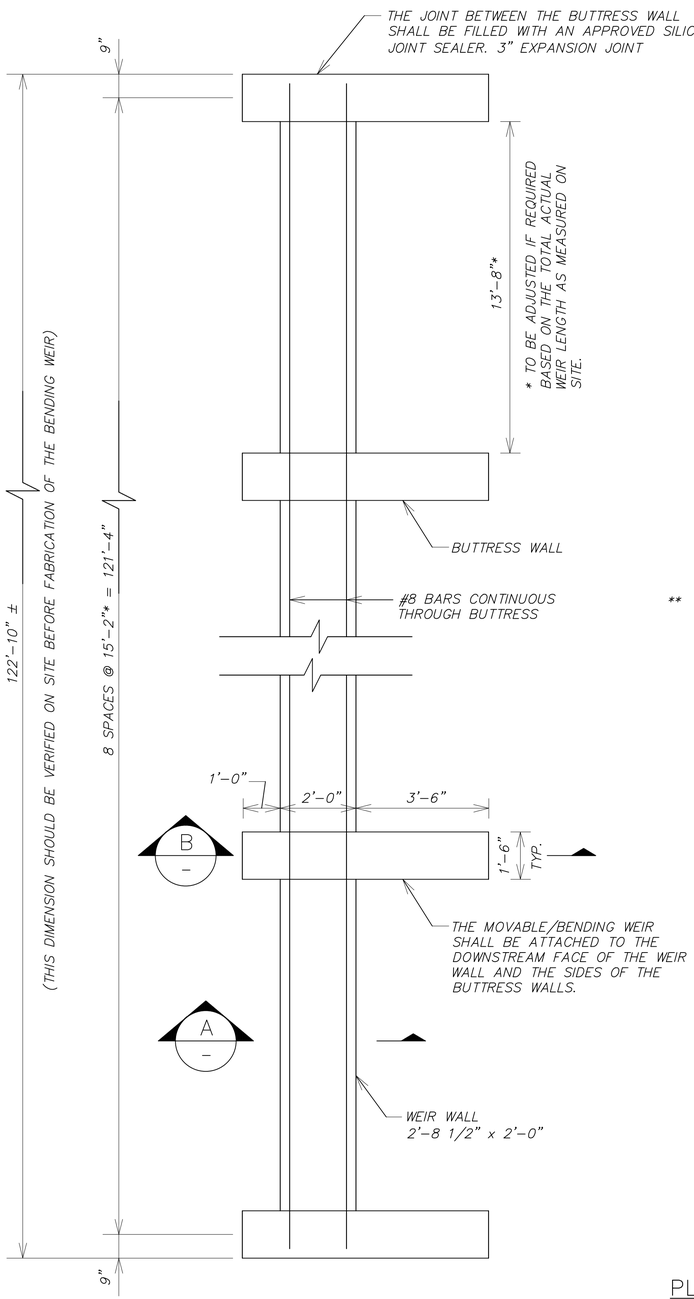
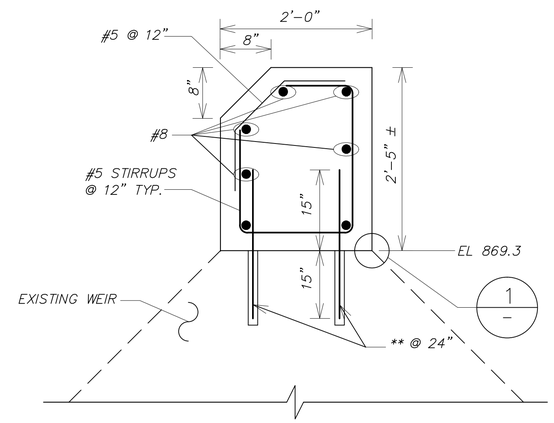


PLAN VIEW OF WEIR

(FOR REINFORCEMENT SEE SECTIONS A, B AND C)

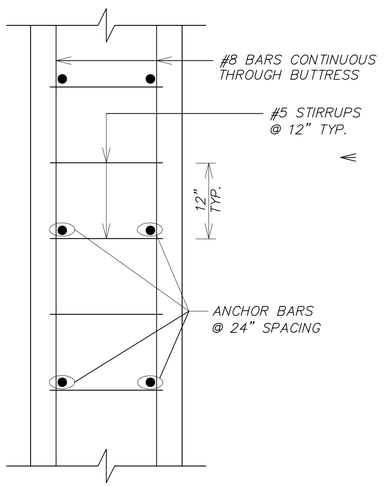
NTS



SECTION A

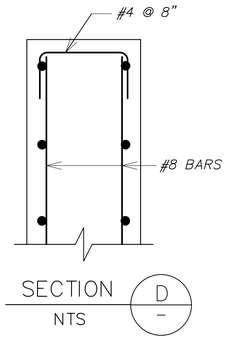
SCALE: 1"=1'-0"

** 1 1/4"ø THREADED A316 STAINLESS STEEL ANCHOR RODS INSERTED IN 1 3/4"ø DRILLED HOLES FILLED WITH PREAPPROVED 2 COMPONENT ADHESIVE EPOXY SYSTEM. TEN PERCENT OF THE DOWELS SHALL BE PROOF LOADED/TESTED BEFORE CONCRETING WEIR AND BUTTRESS.



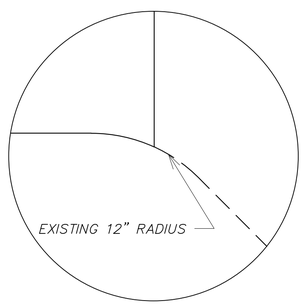
PLAN VIEW OF WEIR WALL

SCALE: 1"=1'-0"



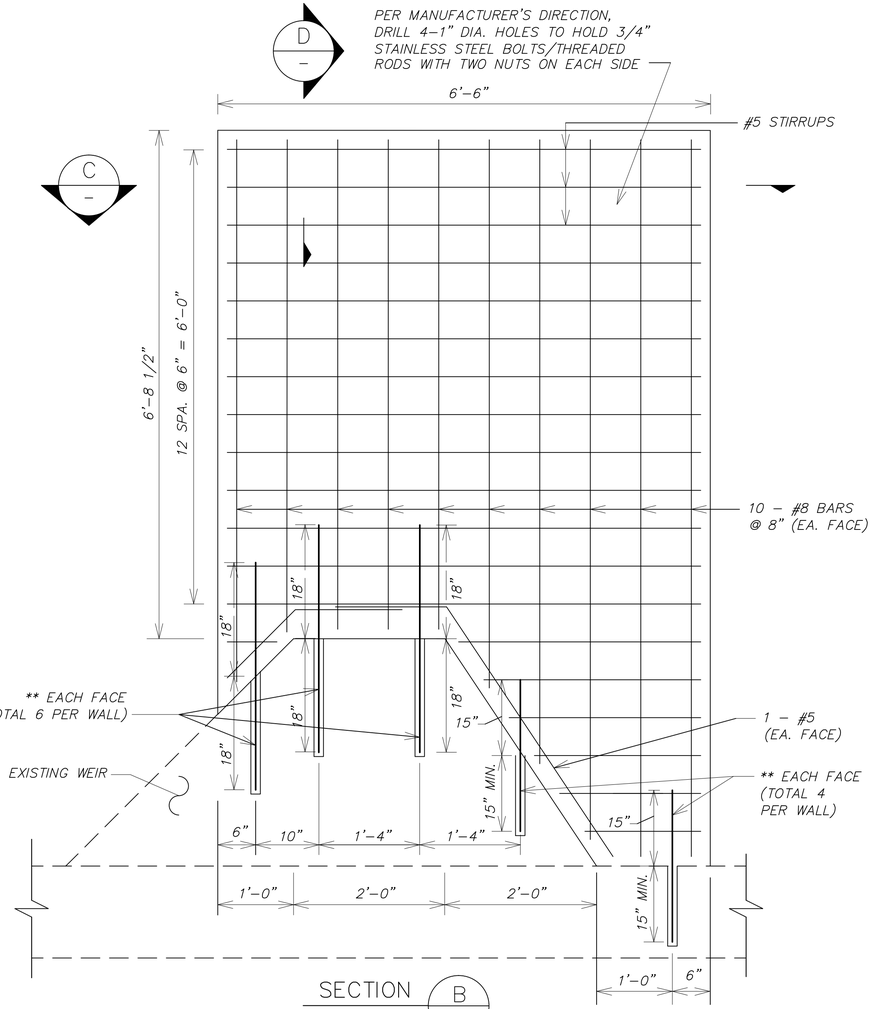
SECTION D

NTS



DETAIL 1

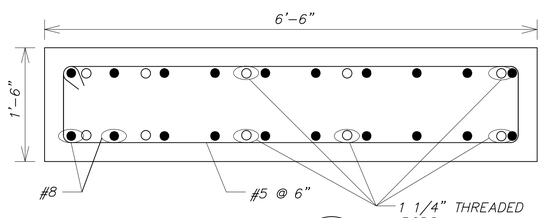
NTS



SECTION B

SCALE: 1"=1'-0"

(LONGITUDINAL BARS IN WEIR WALL NOT SHOWN FOR CLARITY)



SECTION C

SCALE: 1"=1'-0"

NOTES:

1. REINFORCING STEEL SHALL BE GRADE 60 EPOXY COATED.
2. CONCRETE SHALL HAVE A MIN. 28 DAY STRENGTH OF 3500 PSI.
3. REINFORCING STEEL CLEARANCE SHALL BE 3"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ (PROJECT MANAGER)

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED:
DRAWN:
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.
		ISSUED FOR BID			
	1	AS-BUILT DRAWING	AB	1-2009	

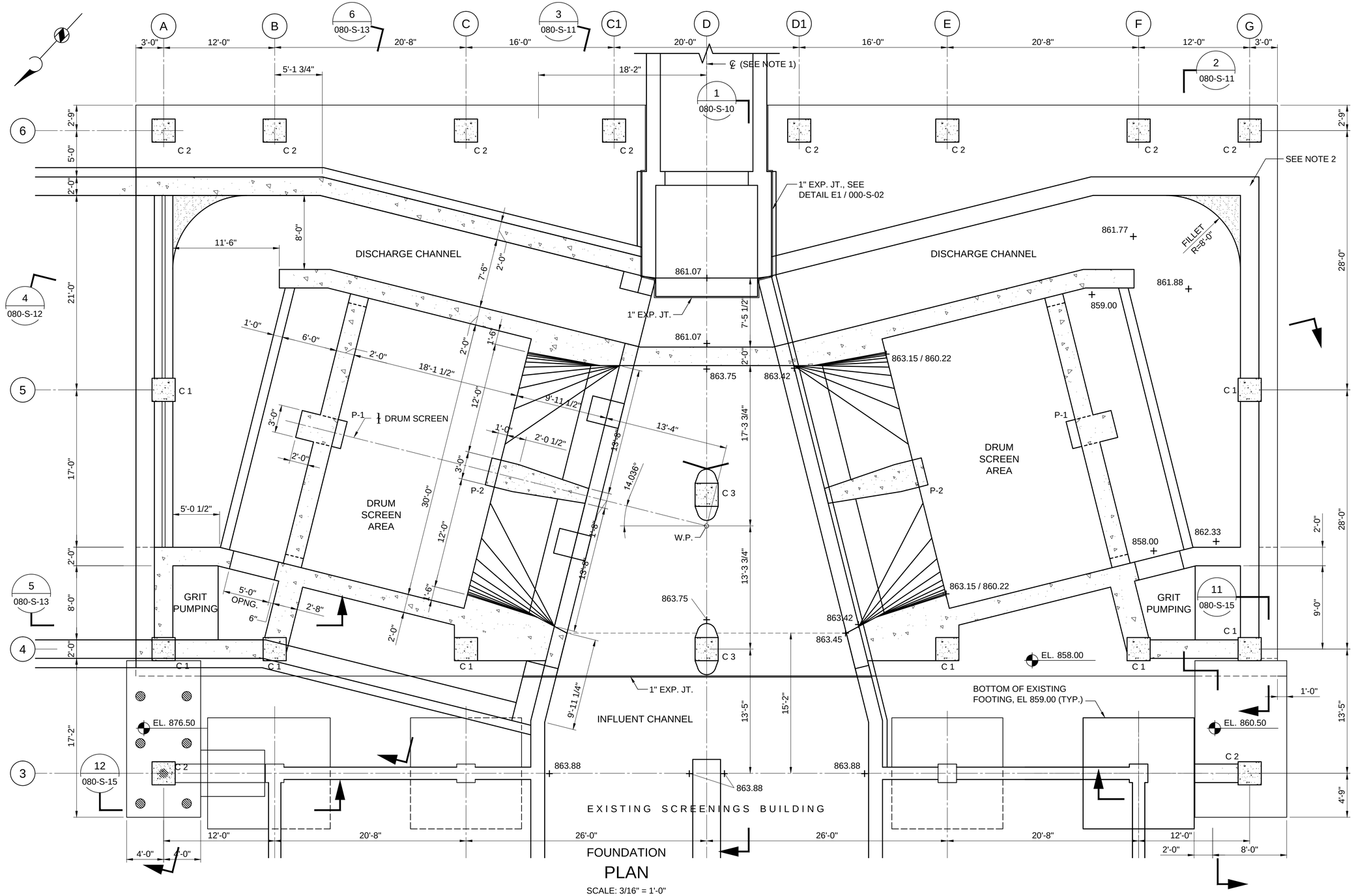
CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

REROUTING CHANNEL

WEIR

FILENAME 15897000S14.DWG
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 000-S-14
SHEET NUMBER OF



FOUNDATION

PLAN

SCALE: 3/16" = 1'-0"

NOTES:

1. DIMENSIONS AND ELEVATIONS ARE SYMMETRICAL ABOUT THE CENTERLINE.
2. SPECIAL HORIZONTAL WALL REINFORCING, #7 @ 6" PER DETAIL M1 / 000-S-03. TYPICAL AT ALL WALL CORNERS AND INTERSECTIONS.
3. SEE DRAWING 080-S-14 FOR COLUMN AND PILASTER DETAILS.

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams–Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ (PROJECT MANAGER)

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED:	N MIRAI
DRAWN:	J PORTER
CHECKED:	N MIRAI
CHECKED:	N MIRAI
APPROVED:	R POPE

EXTERNAL REFERENCE FILES

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS–BUILT DRAWING	AB	1–2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

DRUM SCREEN BUILDING

PLAN 1

FILENAME	24876-S-1806
FACILITY NUMBER	36
CLIENT PROJECT NUMBER	
DRAWING NUMBER	080-S-06
SHEET NUMBER	OF

tpoleman
Aug 01, 2014 - 8:58am
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07-16-04

NOTES:

1. DIMENSIONS AND ELEVATIONS ARE SYMMETRICAL ABOUT THE CENTERLINE.
2. PRECAST CONCRETE MANUFACTURER TO PROVIDE COMPLETE CALCULATIONS AND SHOP DRAWINGS WITH ALL CONNECTION AND LAYOUT DETAILS, SEALED BY A GEORGIA REGISTERED PROFESSIONAL ENGINEER, FOR APPROVAL.
3. SEE ARCHITECTURAL DRAWINGS FOR DETAIL.

KEY NOTES:

(1) 10'-0" X 12'-0" STEEL ROLL-UP DOOR

(2) 2'-0" x 6'-0" OPENING WITH PERFORATED COVER PLATE OR SCREEN

OPERATING LEVEL

PLAN 2

SCALE: 3/16" = 1'-0"

SECTION 13 / 080-S-07

SCALE: 1/2"=1'-0"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams–Russell and Johnson, Inc.	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)	EXTERNAL REFERENCE FILES
SUBMITTED: _____ PROJECT MANAGER DATE: _____	DESIGNED: N MIRAI	
APPROVED: _____ DATE: _____	DRAWN: J PORTER	
	CHECKED: N MIRAI	
	CHECKED: N MIRAI	
	APPROVED: R POPE	

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2007	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

DRUM SCREEN BUILDING

PLAN 2

FILENAME	24876-S-1807
FACILITY NUMBER	36
CLIENT PROJECT NUMBER	
DRAWING NUMBER	080-S-07
SHEET NUMBER	OF

07-16-04

Aug 01, 2014 - 8:58am tolleman
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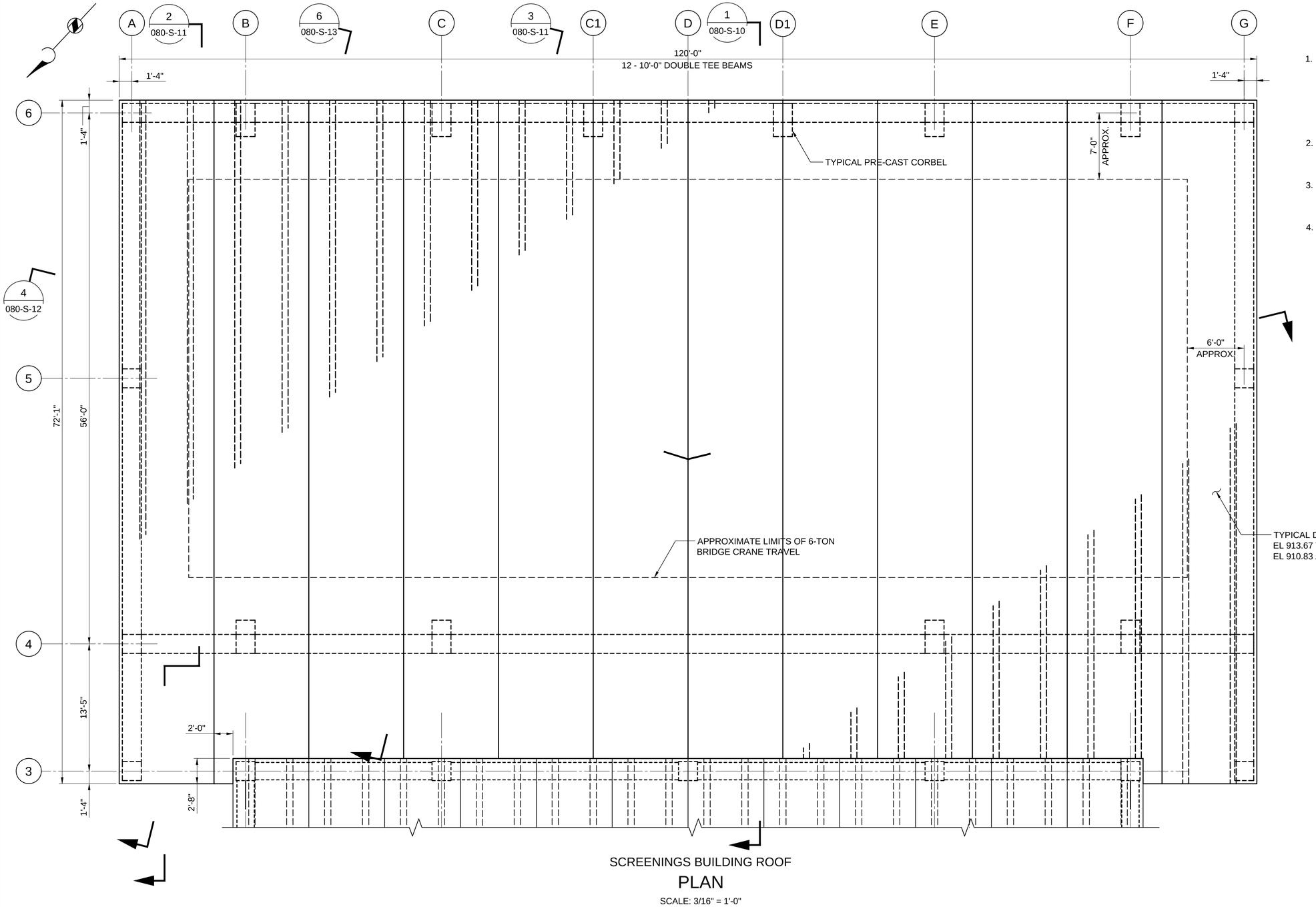

NOTES:

1. THE MANUFACTURER OF THE PRE-CAST TEE BEAMS, COLUMNS AND PANELS SHALL PROVIDE COMPLETE INSTALLATION DETAILS FOR THE ENGINEERS REVIEW. THE DETAILS SHALL SHOW ALL CONNECTIONS, INSERTS, AND SUPPORTS REQUIRED FOR THE CONSTRUCTION OF THE PRE-CAST SYSTEMS. THE DESIGN OF THE COMPONENTS SHALL BE CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER.
2. PRECAST MANUFACTURER SHALL COORDINATE WITH THE BRIDGE CRANE SUPPLIER / MANUFACTURER FOR ALL DESIGN DETAILS AND CONNECTIONS.
3. BRIDGE CRANE CALCULATIONS AND DRAWING DETAILS SHALL BEAR THE SEAL OF A GEORGIA REGISTERED PROFESSIONAL ENGINEER FOR REVIEW AND APPROVAL.
4. SEE ARCHITECTURAL DRAWINGS FOR ROOF DRAINAGE PLAN AND DETAILS.

SCREENINGS BUILDING ROOF

PLAN

SCALE: 3/16" = 1'-0"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____
PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES
AT FULL SIZE
(IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: N MIRAI
DRAWN: J PORTER
CHECKED: N MIRAI
CHECKED: N MIRAI
APPROVED: R POPE

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE
AND DECHLORINATION FACILITY

DRUM SCREEN BUILDING

ROOF PLAN

FILENAME	24876-S-1808
FACILITY NUMBER	36
CLIENT PROJECT NUMBER	
DRAWING NUMBER	080-S-08
SHEET NUMBER	OF

07-16-04

Oct 06, 2014 - 1:21pm
tcrikman
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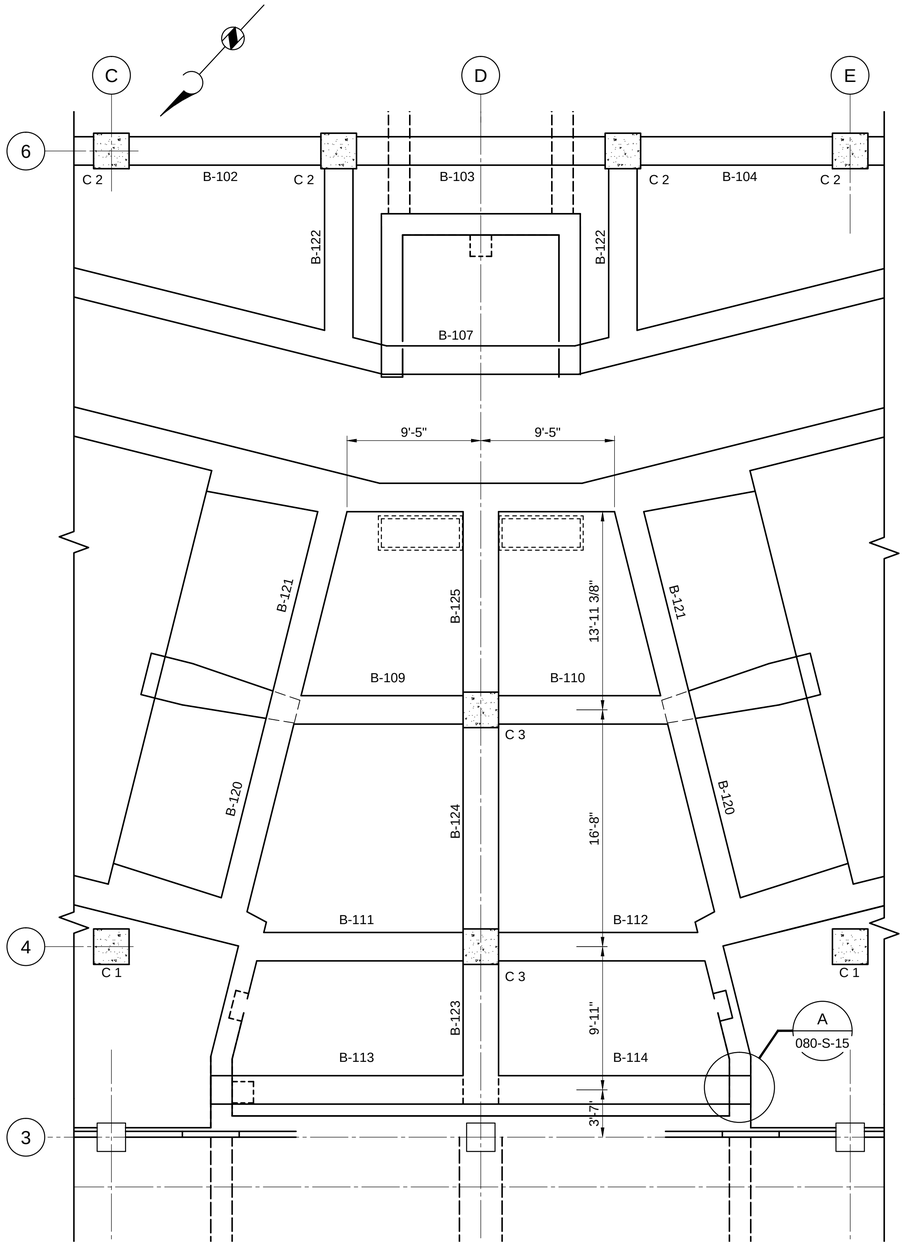


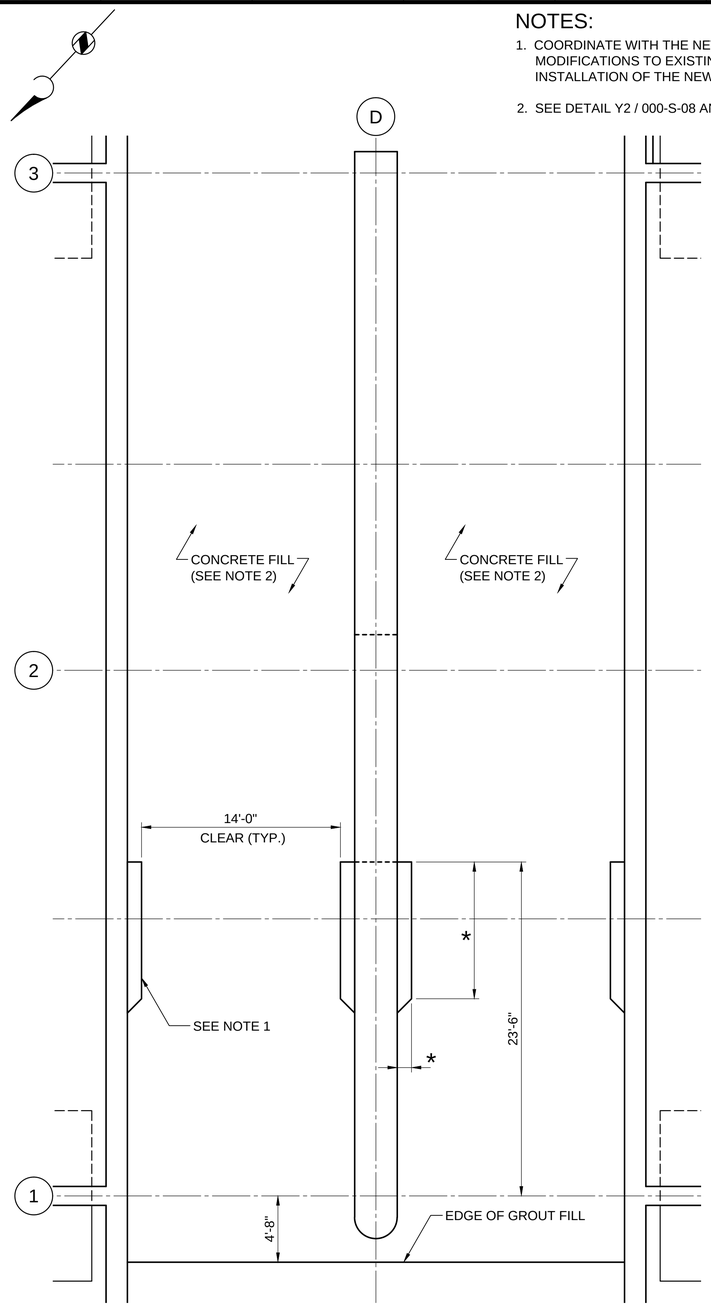
BEAM LAYOUT

PARTIAL PLAN

SCALE: 3/16" = 1'-0"

NOTES:

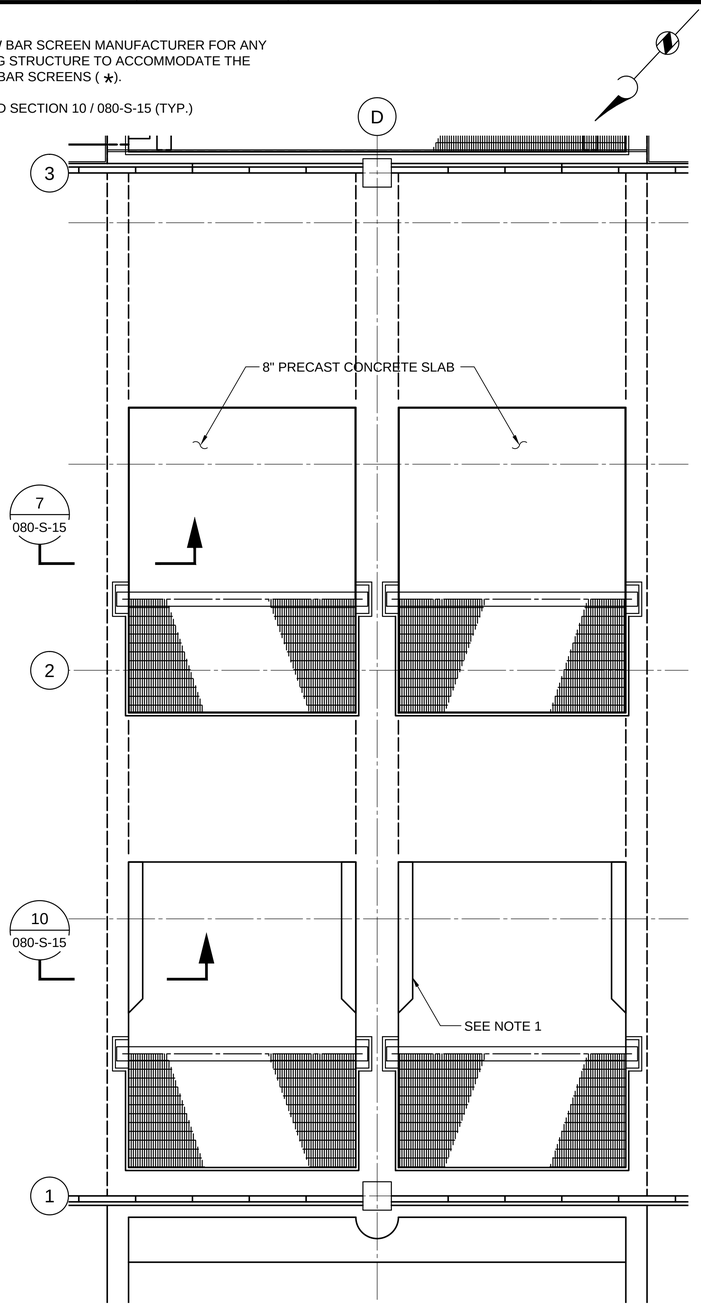
1. COORDINATE WITH THE NEW BAR SCREEN MANUFACTURER FOR ANY MODIFICATIONS TO EXISTING STRUCTURE TO ACCOMMODATE THE INSTALLATION OF THE NEW BAR SCREENS (✱).
2. SEE DETAIL Y2 / 000-S-08 AND SECTION 10 / 080-S-15 (TYP.)



BAR SCREEN BUILDING - LOWER LEVEL

PARTIAL PLAN

SCALE: 3/16" = 1'-0"



BAR SCREEN BUILDING - OPERATING LEVEL

PARTIAL PLAN

SCALE: 3/16" = 1'-0"

AS-BUILT

PB PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ (PROJECT MANAGER)

APPROVED: _____ DATE: _____

LINE IS 2 INCHES
AT FULL SIZE
(IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: N MIRAI
DRAWN: J PORTER
CHECKED: N MIRAI
CHECKED: N MIRAI
APPROVED: R POPE

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

DRUM SCREEN BUILDING

PARTIAL PLANS

FILENAME	24876-S-1809
FACILITY NUMBER	36
CLIENT PROJECT NUMBER	
DRAWING NUMBER	080-S-09
SHEET NUMBER	OF

07-16-04

tcoleman
Aug 01, 2014 - 9:01am
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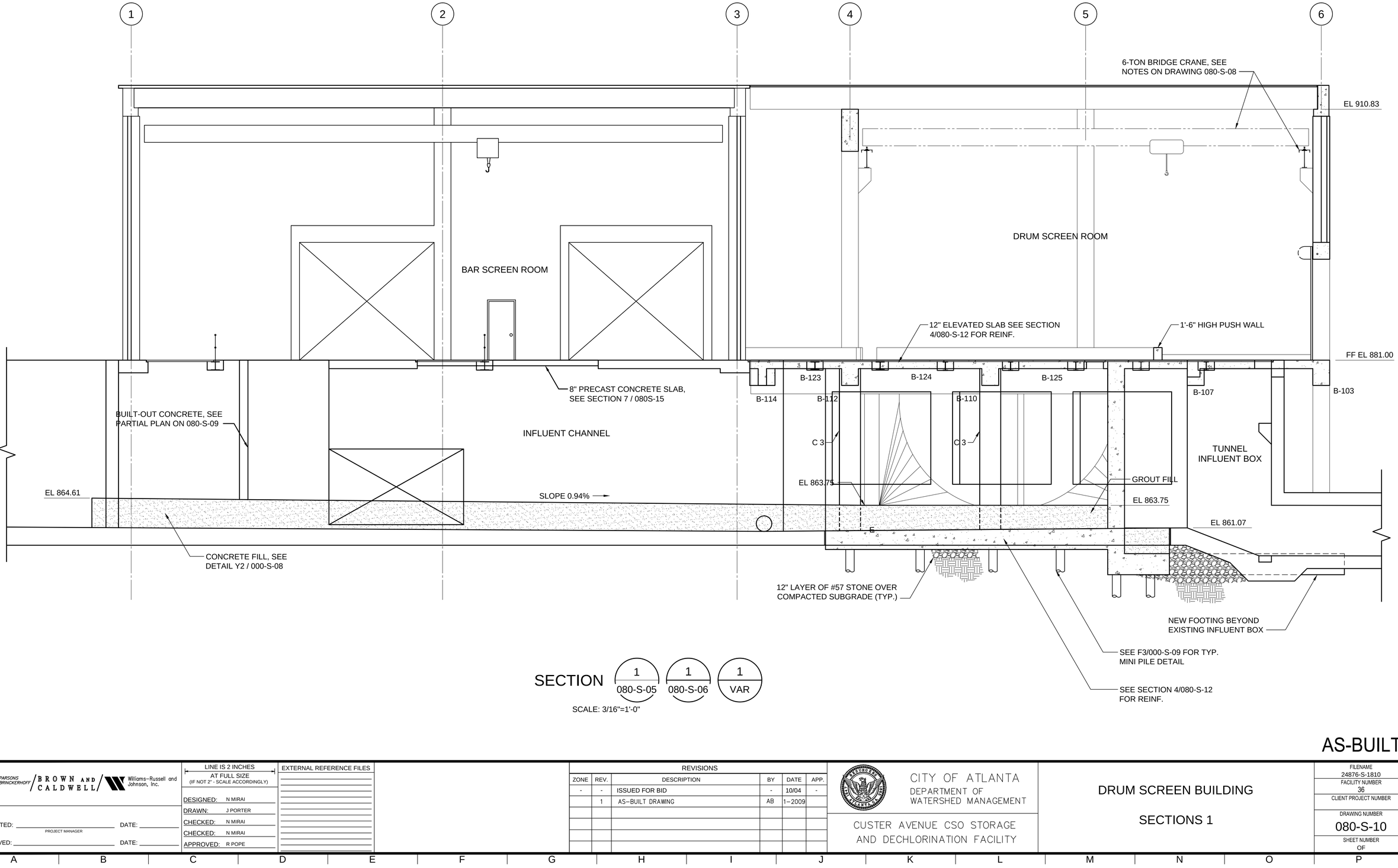

SECTION 1 / 080-S-05 | 1 / 080-S-06 | 1 / VAR

SCALE: 3/16"=1'-0"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: N MIRAI
DRAWN: J PORTER
CHECKED: N MIRAI
CHECKED: N MIRAI
APPROVED: R POPE

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

DRUM SCREEN BUILDING

SECTIONS 1

FILENAME 24876-S-1810
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 080-S-10
SHEET NUMBER OF

07-16-04

Oct 06, 2014 - 1:24pm tcoleman
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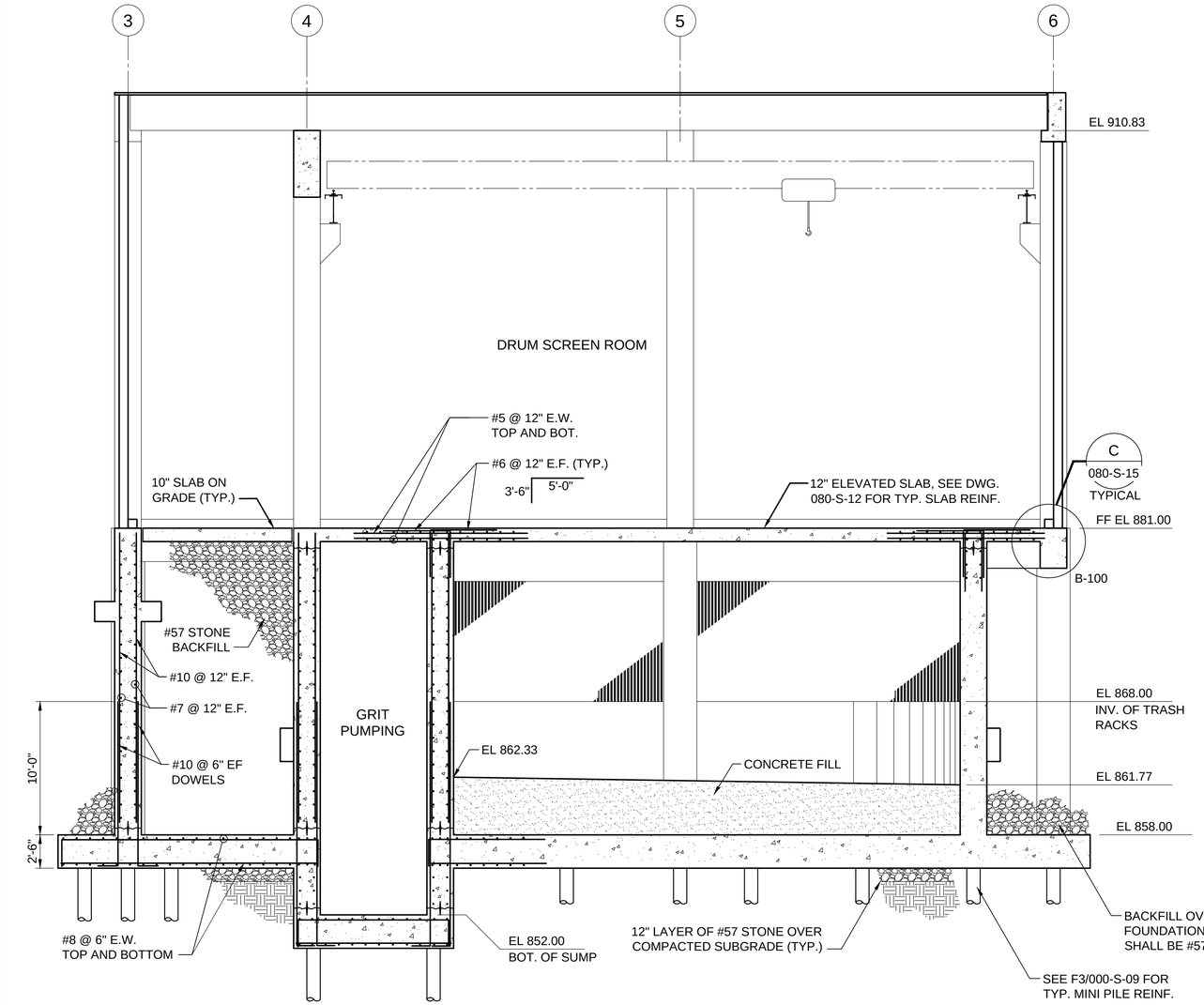
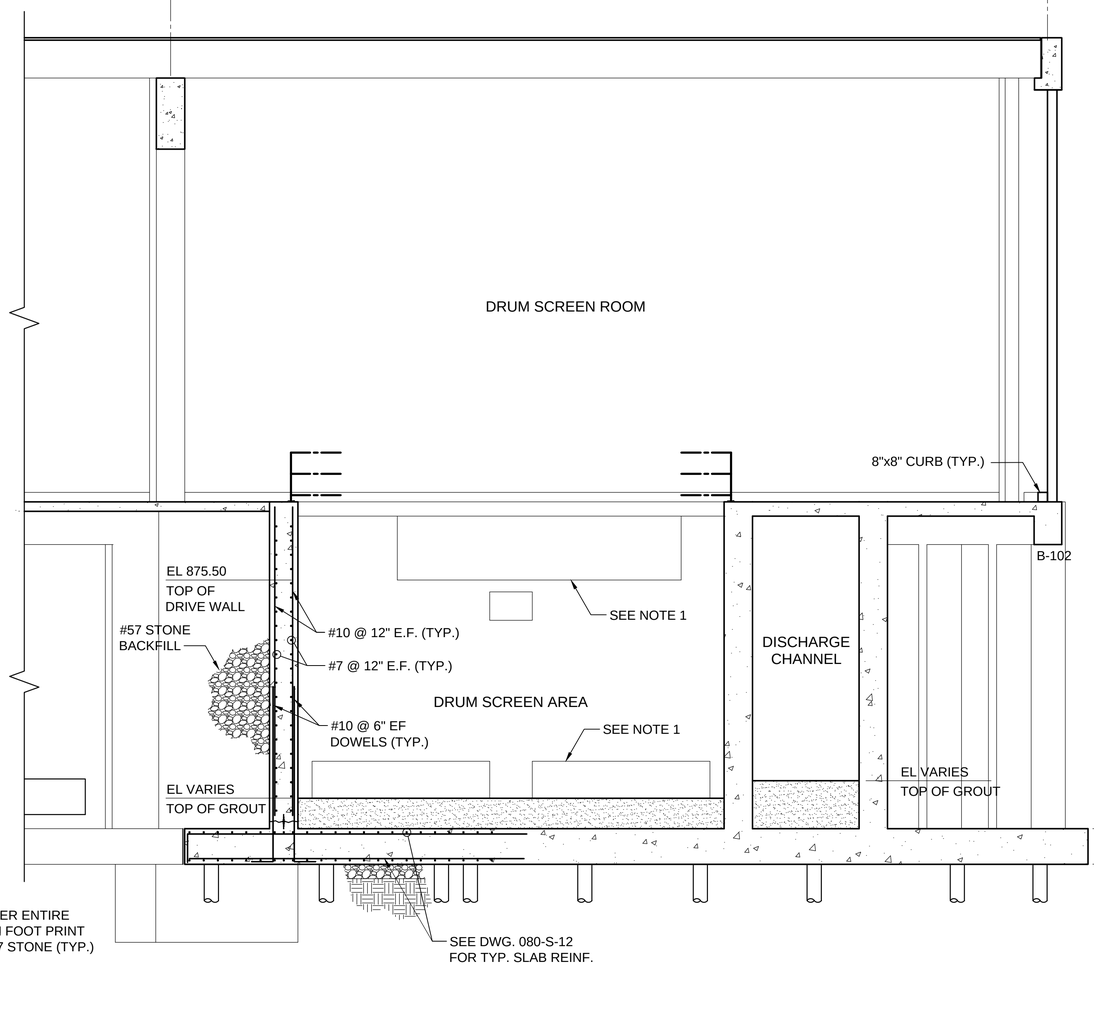
NOTES:

1. COORDINATE WITH DRUM SCREEN MANUFACTURERS APPROVED SHOP DRAWINGS FOR LOCATION AND DIMENSIONS OF OPENINGS, NOTCHES AND SUPPORTS FOR DRUM SCREEN EQUIPMENT.



SECTION 2 / 080-S-05 | 2 / 080-S-06 | 2 / VAR

SCALE: 3/16"=1'-0"



SECTION 3 / 080-S-05 | 3 / 080-S-06 | 3 / VAR

SCALE: 3/16"=1'-0"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ (PROJECT MANAGER)

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: N MIRAI
DRAWN: J PORTER
CHECKED: N MIRAI
CHECKED: N MIRAI
APPROVED: R POPE

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE
AND DECHLORINATION FACILITY

DRUM SCREEN BUILDING

SECTIONS 2

FILENAME 24876-S-1811
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 080-S-11
SHEET NUMBER OF

07-16-04

tcoleman
Oct 06, 2014 - 1:25pm
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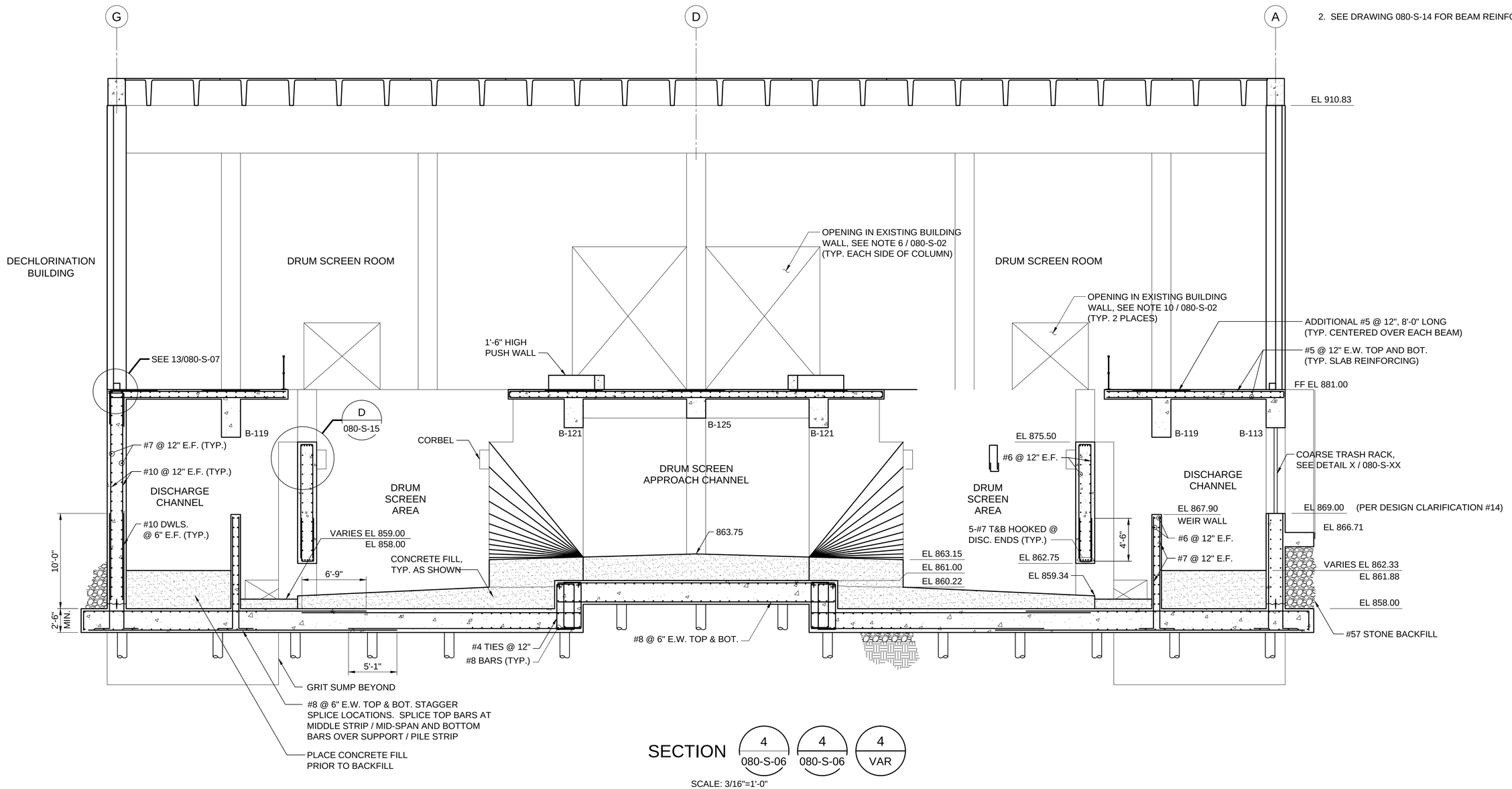
NOTES:

1. DIMENSIONS AND ELEVATIONS SHOWN ARE SYMMETRICAL ABOUT THE CENTERLINE AND APPLY TO EITHER SIDE OF THE FACILITY.
2. SEE DRAWING 080-S-14 FOR BEAM REINFORCING DETAILS.



SECTION 4 / 080-S-06 | 4 / 080-S-06 | 4 / VAR

SCALE: 3/16"=1'-0"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ (PROJECT MANAGER)

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: N MIRAI
DRAWN: J PORTER
CHECKED: N MIRAI
CHECKED: N MIRAI
APPROVED: R POPE

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING		/2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

DRUM SCREEN BUILDING

SECTIONS 3

FILENAME 24876-S-1812
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 080-S-12
SHEET NUMBER OF

tcoleman
Oct 06, 2014 - 1:25pm
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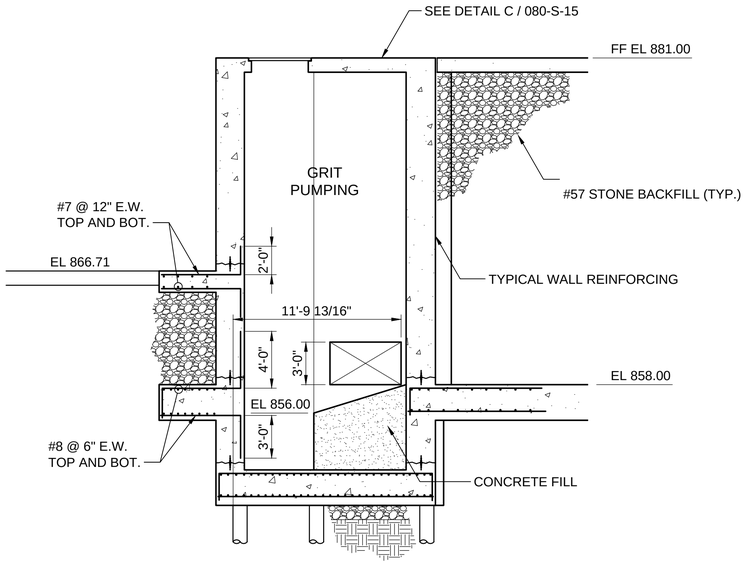
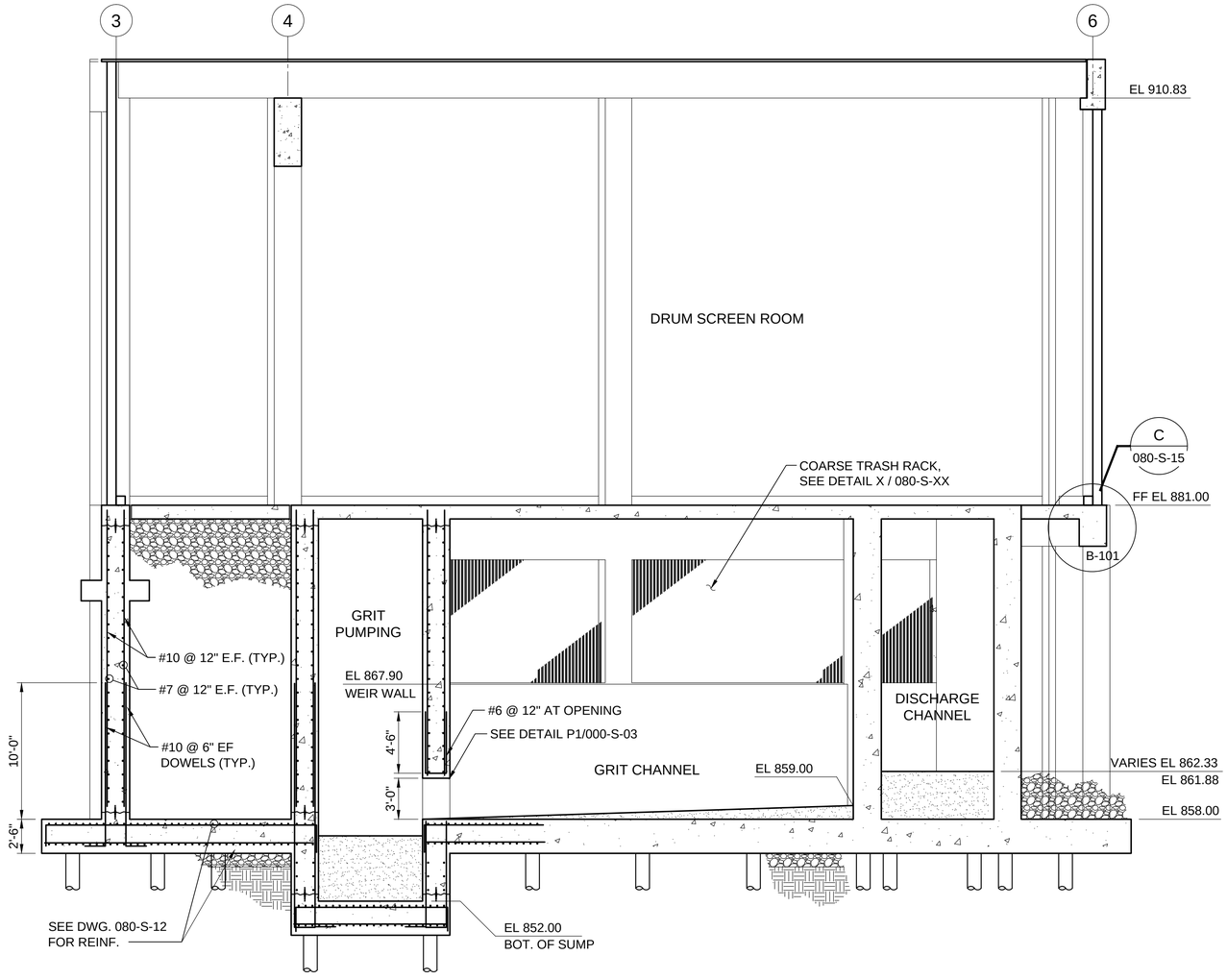
07-16-04



GRIT PUMPING STATION

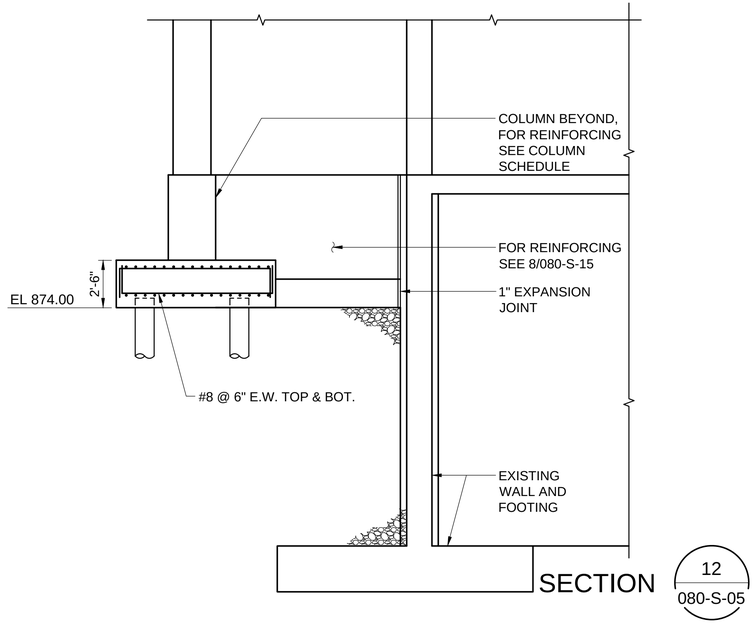
SECTION 5 / 080-S-06 | 5 / 080-S-06 | 5 / VAR

SCALE: 3/16"=1'-0"



SECTION 6 / 080-S-06 | 6 / 080-S-06 | 6 / VAR

SCALE: 3/16"=1'-0"



SECTION 12 / 080-S-05

SCALE: 1/4"=1'-0"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ (PROJECT MANAGER)

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: N MIRAI
DRAWN: J PORTER
CHECKED: N MIRAI
CHECKED: N MIRAI
APPROVED: R POPE

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE
AND DECHLORINATION FACILITY

DRUM SCREEN BUILDING

SECTIONS 4

FILENAME 24876-S-1813
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 080-S-13
SHEET NUMBER OF

07-16-04

tcoleman
Oct 06, 2014 - 1:26pm
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BEAM SCHEDULE

BEAM No (SEE PLAN)	SIZE (INCHES)		TOP REINF AT LEFT SUPPORT		BOTTOM REINF		TOP REINF AT RIGHT SUPPORT		SHEAR REINFORCEMENT		NOTE(S)
	W	D	T	TC	B	BC	T	TC	No SIZE	SPACING FROM LEFT SUPPORT	
B-100	24	36	2 - #9	4 - #9	2 - #9	4 - #9	3 - #9	4 - #9	2 - #4	FULL @ 8"	4
B-101	24	36	3 - #9	4 - #9	3 - #9	4 - #9	3 - #9	4 - #9	2 - #4	FULL @ 8"	4
B-102	24	36	3 - #9	4 - #9	2 - #9	4 - #9	3 - #9	4 - #9	2 - #4	FULL @ 8"	4
B-103	24	36	3 - #9	4 - #9	3 - #9	4 - #9	3 - #9	4 - #9	2 - #4	FULL @ 8"	4
B-104	24	36	3 - #9	4 - #9	2 - #9	4 - #9	3 - #9	4 - #9	2 - #4	FULL @ 8"	4
B-105	24	36	3 - #9	4 - #9	3 - #9	4 - #9	3 - #9	4 - #9	2 - #4	FULL @ 8"	4
B-106	24	36	3 - #9	4 - #9	2 - #9	4 - #9	2 - #9	4 - #9	2 - #4	FULL @ 8"	4
B-107	24	36	--	4 - #8	--	4 - #8	--	4 - #8	1 - #4	FULL @ 8"	
B-108	24	36	--	4 - #8	--	4 - #8	--	4 - #8	1 - #4	FULL @ 8"	
B-109	24	36	--	4 - #8	--	4 - #8	--	4 - #8	1 - #4	FULL @ 8"	
B-110	24	36	--	4 - #8	--	4 - #8	--	4 - #8	1 - #4	FULL @ 8"	
B-111	24	36	2 - #8	3 - #8	--	4 - #8	2 - #8	3 - #8	1 - #4	FULL @ 8"	
B-112	24	36	2 - #8	3 - #8	--	4 - #8	2 - #8	3 - #8	1 - #4	FULL @ 8"	
B-113	24	36	2 - #8	3 - #8	--	4 - #8	2 - #8	3 - #8	1 - #4	FULL @ 8"	
B-114	24	36	2 - #8	3 - #8	--	4 - #8	2 - #8	3 - #8	1 - #4	FULL @ 8"	
B-115	24	36	--	4 - #8	--	4 - #8	--	4 - #8	2 - #4	FULL @ 8"	
B-116	24	36	--	4 - #10	2 - #9	4 - #10	3 - #10	4 - #10	2 - #4	FULL @ 8"	4
B-117	24	36	3 - #10	4 - #10	2 - #9	4 - #10	3 - #10	4 - #10	2 - #4	FULL @ 8"	4
B-118	24	36	3 - #10	4 - #10	--	4 - #10	--	4 - #10	2 - #4	FULL @ 8"	4
B-119	24	48	2 - #10	3 - #10	3 - #10	4 - #10	3 - #10	4 - #10	1 - #4	FULL @ 8"	
B-120	24	36	2 - #8	3 - #8	--	4 - #8	2 - #8	3 - #8	1 - #4	FULL @ 8"	
B-121	24	36	2 - #8	3 - #8	--	4 - #8	2 - #8	3 - #8	1 - #4	FULL @ 8"	
B-122	24	36	--	4 - #8	2 - #8	3 - #8	--	4 - #8	1 - #4	FULL @ 8"	
B-123	30	48	--	10 - #10	--	4 - #10	--	10 - #10	2 - #4	FULL @ 8"	4, Cantilever
B-124	30	48	--	10 - #10	--	4 - #10	--	10 - #10	2 - #4	FULL @ 8"	4
B-125	30	48	--	10 - #10	--	4 - #10	--	5 - #10	2 - #4	FULL @ 8"	4

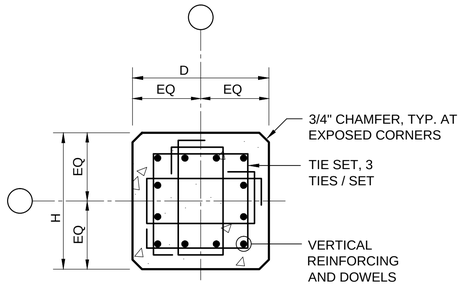
BEAM SCHEDULE NOTES:

1. SEE TYPICAL BEAM REINFORCING DETAIL X / 000-S-04.
2. PLACE NORTH/SOUTH BEAMS TOP REINFORCING ABOVE EAST/WEST BEAMS TOP REINFORCING WHERE BEAMS INTERSECT.
3. PLACE NORTH/SOUTH BEAMS BOTTOM REINFORCING BELOW EAST/WEST BEAMS BOTTOM REINFORCING WHERE BEAMS INTERSECT AND ARE THE SAME DEPTH.
4. PLACE 5 BARS IN THE FIRST ROW.
5. PLACE 3 BARS IN THE FIRST ROW.

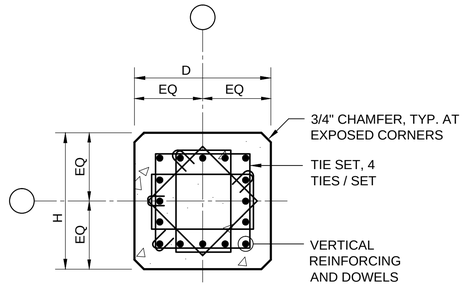
COLUMN SCHEDULE

MARK (SEE PLAN)	TYPE	SIZE		VERTICAL REINFORCING	TIE SETS	REMARKS
		H	D			
C 1	A	2'-6"	2'-6"	12 - #10	#4 @ 12"	SEE DETAIL
C 2	B	2'-6"	2'-6"	16 - #10	#4 @ 12"	SEE DETAIL
C 3	C	2'-6"	2'-6"	12 - #10	#4 @ 12"	SEE DETAIL
P1	D	4'-0"	3'-0"	20 - #10	#4 @ 12"	SEE DETAIL
P2	E	SEE DETAIL		30 - #10	#4 @ 12"	SEE DETAIL

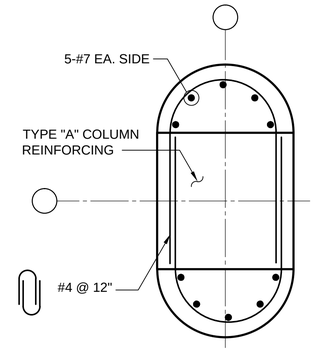
SEE TYPICAL COLUMN REINFORCING, DETAILS R1 AND T1 / 000-S-04.



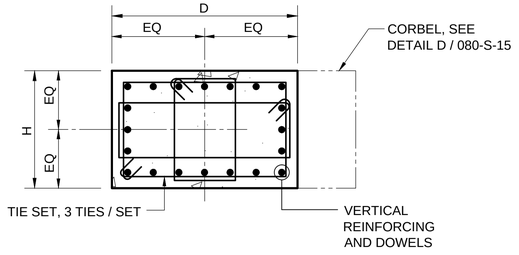
TYPE A (C1)



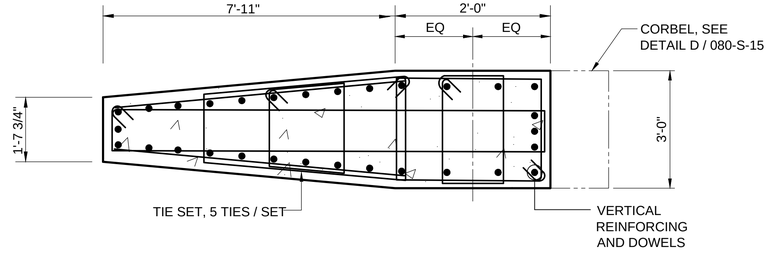
TYPE B (C2)



TYPE C (C3)



TYPE D (P1)



TYPE E (P2)
(NO SCALE)

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____
PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: N MIRAI
DRAWN: J PORTER
CHECKED: N MIRAI
CHECKED: N MIRAI
APPROVED: R POPE

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

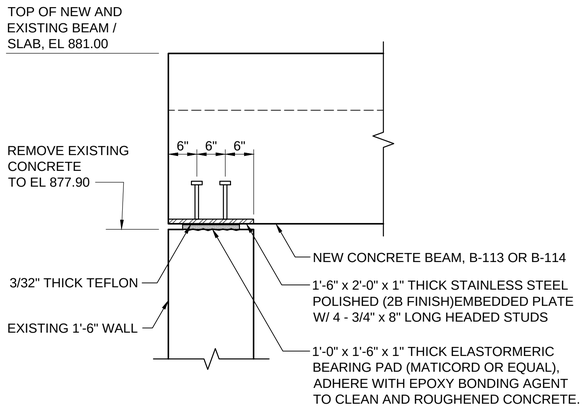
DRUM SCREEN BUILDING

BEAMS AND COLUMNS SCHEDULES AND DETAILS

FILENAME 24876-S-1814
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 080-S-14
SHEET NUMBER OF

07-15-04

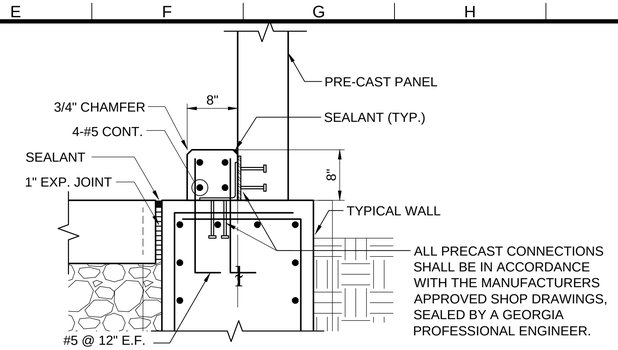
tcoleman
Oct 06, 2014 - 1:26pm
G:\Work\GA\BPA\134 - CSO Group 1\3_DATA\r COA\01 CIS\Drawings\2008 Custer CAD dwgs\080-S-14 Drum Sc Bldg beam schedule.dwg



NEW BEAM BEARING

DETAIL A / 080-S-02

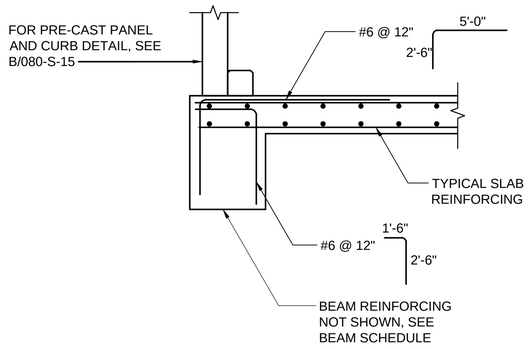
SCALE: 3/4"=1'-0"



PRE-CAST PANEL CURB

DETAIL B / 080-S-07

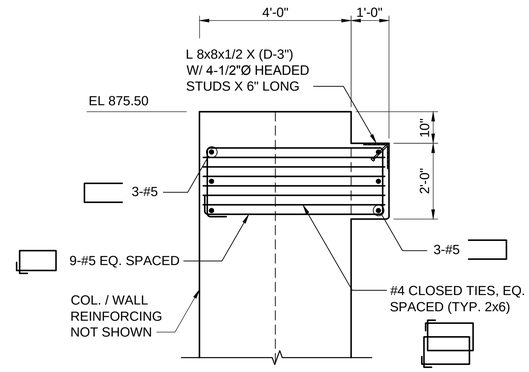
SCALE: 1"=1'-0"



BEAM TO SLAB REINFORCING

DETAIL C / 080-S-11 C / 080-S-13

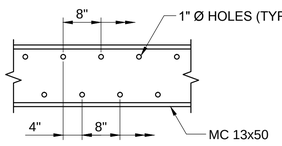
SCALE: 1/2"=1'-0"



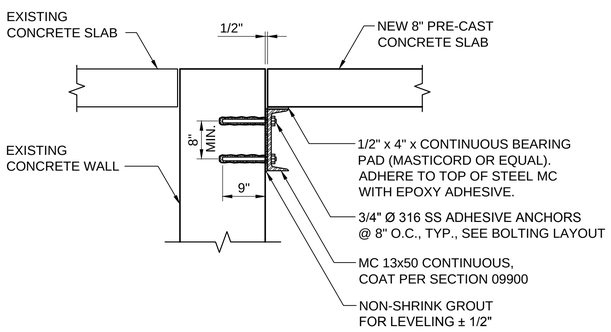
CORBEL DETAIL

DETAIL D / 080-S-12

SCALE: 1/2"=1'-0"



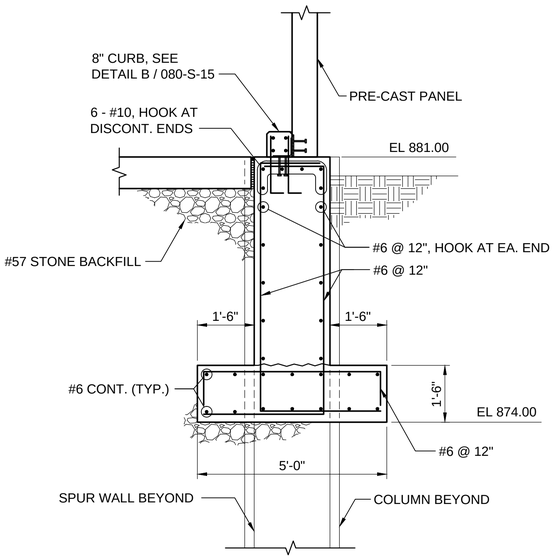
BOLTING LAYOUT



PRE-CAST SLAB SUPPORT

SECTION 7 / 080-S-02

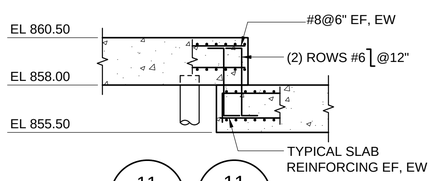
SCALE: 3/4"=1'-0"



PRE-CAST PANEL FOUNDATION

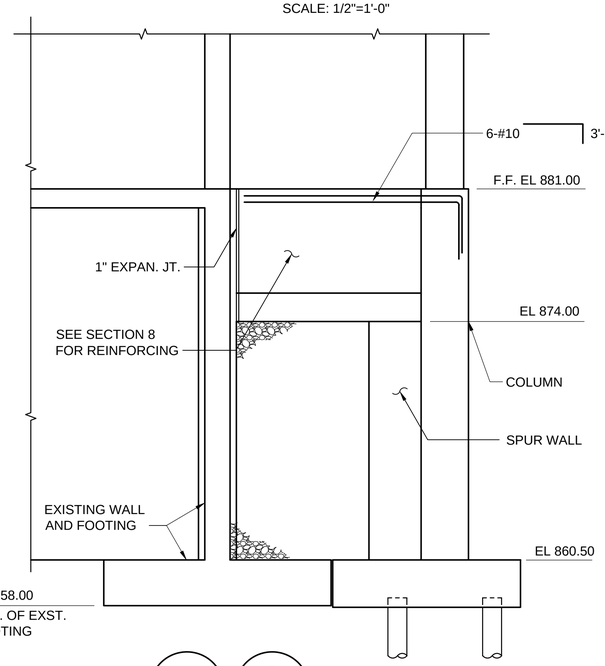
SECTION 8 / 080-S-07

SCALE: 1/2"=1'-0"



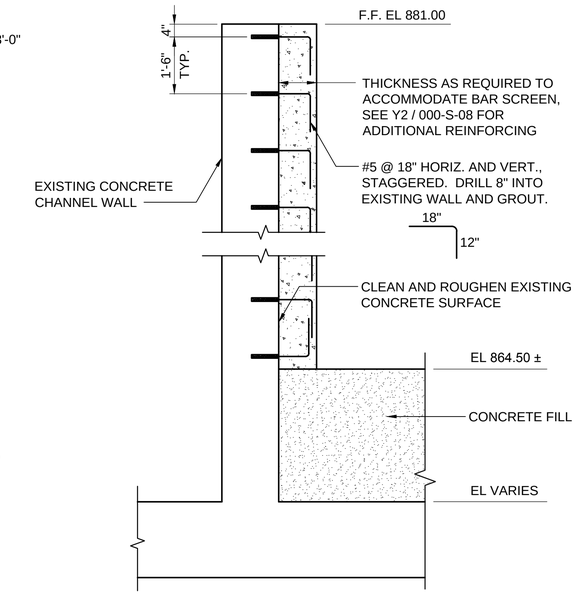
SECTION 11 / 080-S-05 11 / 080-S-06

SCALE: 1/4"=1'-0"



SECTION 9 / 080-S-05 9 / 080-S-06

SCALE: 1/4"=1'-0"



MODIFICATION AT NEW BAR SCREENS

SECTION 10 / 080-S-09

SCALE: 1/2"=1'-0"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ (PROJECT MANAGER)

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: N MIRAI
DRAWN: J PORTER
CHECKED: N MIRAI
CHECKED: N MIRAI
APPROVED: R POPE

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

DRUM SCREEN BUILDING

SECTIONS AND DETAILS 1

FILENAME 24876-S-1815
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 080-S-15
SHEET NUMBER OF

08-18-04

tcoleman
Oct 06, 2014 - 1:27pm
G:\Wwm\CABPA134 - CSO Group 1\3_DATI\f COA\01 CU\STDrawings\2008 Custer CAD dwgs\080-S-15 Drum Sc Bldg details.dwg

* ALL MPBX's ON COA PROPERTY WERE ABANDONED IN PLACE

STOCKADE CREEK

INTRENCHMENT CREEK

12" PRIVET

RE-ROUTING CHANNEL

CONCRETE WALL

RAMP

WEIR

APPROX. LAND LOT LINE

24 9

EXISTING CUSTER AVENUE CSO SCREENING FACILITY F.F. EL.=880.50'

PROPOSED DRUM SCREEN FACILITY F.F. EL.=880

PROPOSED DECHLORINATION BUILDING F.F. 880

EXISTING 12' Ø DROP SHAFT

EXISTING 26' Ø INTRENCHMENT CREEK CSO TUNNEL

34' Ø CONSTRUCTION/ACCESS SHAFT

OW-1

OW-2

OW-3

MPBX-1

MPBX-2

MPBX-3

MPBX-4

10' VERTICAL SHAFT

INTRENCHMENT CREEK

GENELLA SCHWARTZ

CYRUS K. ETESSAM

RICKEY CATO

RONALD H. KING

JOHN M. DILBECK, JR.

1 - STORY FRAME

40" N. RED OAK

22" N. RED OAK

6" ORNAMENTAL

36" N. RED OAK

48" N. RED OAK

36" WHITE OAK

42" WHITE OAK

SLOAN CIRCLE

STORAGE FACILITY C L

SEE SK-10 FOR AS-BUILT

NOTES:

1. SEE DRAWING 080-S-33 FOR INSTRUMENTATION SCHEDULE AND DETAILS.
2. SEE DRAWING 080-S-31 FOR CONST. SHAFT INSTRUMENTATION PLAN.
3. SURFACE SETTLEMENT POINTS AND MARKERS TO BE INSTALLED AT LOCATIONS AS DIRECTED BY THE ENGINEER.

SYMBOLS

- OBSERVATION WELL
- MULTIPOINT BOREHOLE EXTENSOMETER

GRAPHIC SCALE

40 0 40 80

(IN FEET)

1 inch 40 ft.

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: D. RICHARDS
DRAWN: E. YOUNG
CHECKED: R. COOK
CHECKED:
APPROVED: T. SMIRNOFF

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	-2007	

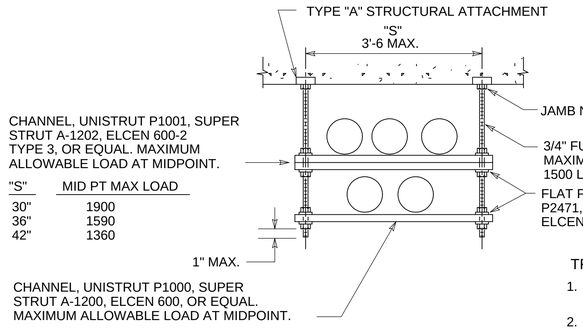
CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

STORAGE FACILITY

INSTRUMENTATION PLAN

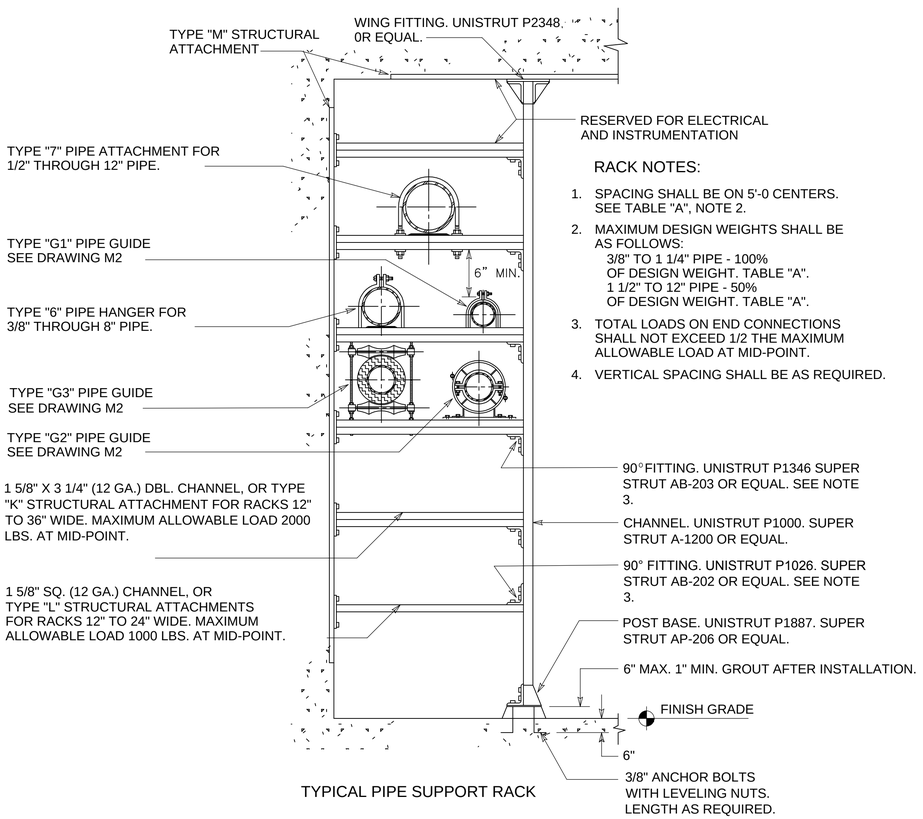
FILENAME 15897080S32
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 080-S-32
SHEET NUMBER OF



TYPICAL TRAPEZE PIPE SUPPORT RACK

TRAPEZE NOTES:

1. SPACING SHALL BE AS SPECIFIED IN TABLE "A". SEE TABLE NOTE 2.
2. MAXIMUM DESIGN WEIGHTS SHALL BE AS FOLLOWS:
   3/8" TO 1 1/4" PIPE -- 100% OF DESIGN WEIGHT. TABLE "A".
   1 1/2" TO 12" PIPE -- 50% OF DESIGN WEIGHT. TABLE "A".
3. TOTAL LOADS ON END CONNECTIONS SHALL NOT EXCEED 1/2 THE MAXIMUM ALLOWABLE LOAD AT MID-POINT.
4. VERTICAL SPACING SHALL BE AS REQUIRED.



TYPICAL PIPE SUPPORT RACK

RACK NOTES:

1. SPACING SHALL BE ON 5'-0 CENTERS. SEE TABLE "A", NOTE 2.
2. MAXIMUM DESIGN WEIGHTS SHALL BE AS FOLLOWS:
   3/8" TO 1 1/4" PIPE - 100% OF DESIGN WEIGHT. TABLE "A".
   1 1/2" TO 12" PIPE - 50% OF DESIGN WEIGHT. TABLE "A".
3. TOTAL LOADS ON END CONNECTIONS SHALL NOT EXCEED 1/2 THE MAXIMUM ALLOWABLE LOAD AT MID-POINT.
4. VERTICAL SPACING SHALL BE AS REQUIRED.

GENERAL NOTES:

1. WHERE NO REFERENCE TO PIPE SUPPORT SYSTEMS ARE GIVEN ON THE DRAWINGS. THE CONTRACTOR SHALL USE AN APPROPRIATE SYSTEM. SEE TABLE "B" DRAWING M1. PIPE AND CONDUIT SUPPORT SYSTEMS SHALL BE UNISTRUT, ELCEN, OR EQUAL, AND SHALL BE DESIGNED BY THE CONTRACTOR TO MEET THE MINIMUM LOAD AND SPAN REQUIREMENTS AS SPECIFIED.
2. UNLESS OTHERWISE SPECIFIED, HANGERS AND SUPPORTS SHALL BE HOT DIP GALVANIZED AFTER FABRICATION. NUTS, BOLTS AND WASHERS MAY BE ZINC PLATED. EXCEPT THOSE SUBJECT TO MOISTURE OR CORROSIVE ATMOSPHERE SHALL BE TYPE 316 STAINLESS STEEL.
3. UNLESS OTHERWISE SPECIFIED, EXPANSION ANCHORS SHALL NOT BE USED.
4. MSS REFERS TO THE MANUFACTURERS STANDARDIZATION SOCIETY OF THE VALVE AND FITTINGS INDUSTRY, STANDARD PRACTICE SP58 AND SP69.
5. HANGER BRACKETS AND SUPPORT COMPONENTS MAY BE INTERCHANGED.
6. CONCRETE INSERTS IN AREAS BELOW WATER SURFACE OR NORMALLY SUBJECT TO SUBMERGING SHALL BE EMBEDDED ANCHOR BOLTS OR EQUAL.
7. PROVIDE PLASTIC OR RUBBER CHANNEL END CAPS AT EXPOSED ENDS OF CHANNELS 7'-0 ABOVE FLOOR AND BELOW.
8. MAXIMUM DESIGN WEIGHTS AND LOADS SHALL BE AS SHOWN IN TABLE "A" DRAWING M1, OR AS SHOWN IN THE DETAILS ON THIS DRAWING.
9. WHEN SUPPORTING PIPING REQUIRES HORIZONTAL FLEXIBILITY NORMAL TO A STEEL BEAMS AXIS, USE STRUCTURAL ATTACHMENTS C AND D AS
10. ALL PIPING SUPPORTED BY HANGERS AND/OR STRUCTURAL ATTACHMENTS SHALL BE BRACED AGAINST HORIZONTAL, VERTICAL, AXIAL, AND LONGITUDINAL SWAY. BRACINGS SHALL BE CALCULATED TO RESIST SEISMIC LOADINGS AS SPECIFIED BY SMACNA AND AS INDICATED IN THE SPECIFICATIONS.
11. FITTINGS SHALL NOT BE LESS THAN MSS CL B.
12. UNLESS OTHERWISE SPECIFIED, TRAPEZE AND PIPE RACK COMPONENTS SHALL HAVE A MINIMUM STEEL THICKNESS OF 12 GAGE WITH A MAXIMUM DEFLECTION 1/240 OF THE SPAN. MINIMUM CHANNEL COMPONENT SIZE SHALL BE 1 5/8" SQUARE AS MANUFACTURED BY SUPER STRUT, UNISTRUT, ELCEN, OR EQUAL.
13. APPROXIMATE LOCATION OF PIPE SUPPORT IS DESIGNATED ON DRAWINGS WITH "X".

TABLE A

NOMINAL PIPE SIZE (INCHES)	SUPPORT ROD SIZE AND MAXIMUM LOAD PER ROD SEE NOTE 2				MAXIMUM PIPE SPAN (FEET) SEE NOTE 3			
	ROD SIZE (INCHES)	MAX LOAD (POUNDS)			STEEL	COPPER	PLASTIC SEE NOTE 4	CAST IRON SEE NOTE 5
3/8 TO 3/4	3/8	610			5	5	CONTINUOUS	---
1	3/8	610			5	5	5	---
1 1/4	3/8	610			5	5	5	---
1 1/2	3/8	610			5	5	5	---
2	3/8	610			10	5	5	12 FEET FOR PRESSURE PIPE 10 FEET FOR SOIL PIPE
2 1/2	3/8	610			10	10	5	
3	3/8	610			10	20	5	
4	1/2	1130			10	20	5	
6	5/8	1810			15	20	5	
8	3/4	2710			15	20	5	
10	3/4	2710(4960)			20	——	5	
12	7/8	3770(8000)			20	——	10	
14	1	4960			20	——	---	
16	1	4960			20	——	---	
18	1	4960			20	——	---	
20	1-1/4	8000			20	——	---	
24	1-1/4	8000			20	——	---	

TABLE A NOTES:

1. DESIGN WEIGHT SHALL BE TWICE THE WEIGHT OF THE PIPE FULL OF WATER PLUS THE WEIGHT OF VALVES. FITTINGS, INSULATING MATERIALS, AND SUSPENDED HANGER COMPONENTS ON THE RUN OF PIPE BEING SUPPORTED.
2. ROD SIZES SHOWN ARE FOR THE SUPPORT OF A SINGLE PIPE. WHEN SUPPORTING MORE THAN ONE PIPE, ROD SHALL BE SIZED USING THE DESIGN WEIGHTS (SEE NOTE 1) TO DETERMINE THE TOTAL DESIGN LOAD. THE TOTAL DESIGN LOAD SHALL NOT EXCEED THE MAXIMUM LOADS IN THE TABLE ABOVE.
3. PIPE SHALL NOT HAVE POCKETS FORMED IN THE SPAN DUE TO SAGGING OF THE PIPE BETWEEN SUPPORTS CAUSED BY THE WEIGHT OF THE PIPE, MEDIUM IN THE PIPE, INSULATION, VALVES AND FITTINGS.
4. SPAN SHOWN IS FOR SCHEDULE 80 PVC PIPE AT 100 DEGREES F. SPANS FOR OTHER PLASTICS, OTHER PVC PIPE SCHEDULES, AND PIPES AT HIGHER TEMPERATURES, SHALL BE SHORTENED IN ACCORDANCE WITH THE PIPE MANUFACTURER'S RECOMMENDATIONS. CONTINUOUS MEANS PIPE SHALL BE IN UNISTRUT OR SIMILAR CHANNEL.
5. PROVIDE A MINIMUM OF ONE PIPE HANGER PER PIPE LENGTH, WITHIN 4 INCHES OF THE BELL.
6. PIPE HANGER AND SUPPORT SELECTION SHALL BE IN ACCORDANCE WITH TABLE B AND SPECIFICATION SECTION.
7. SUPPORTS FOR PIPING LARGER THAN 24" SHALL BE AS SHOWN ON THE MECHANICAL DRAWINGS.

TABLE B

X INDICATES PIPE HANGERS SUITABLE FOR CONDITIONS LISTED BELOW:		PIPE HANGER TYPE										
		1	2	3	4	5	6	7	8	9	10	11
SERVICE TEMPERATURE												
33° F - 59° F OR 120° F-450° F	INSULATED			X	X	X			X	X		X
	UNINSULATED	X	X	X	X	X	X	X	X	X	X	X
60° F - 119° F		X	X	X			X	X		X	X	X
PIPING MATERIALS												
STEEL		X	X	X	X	X	X	X	X	X		X
COPPER			X		X		X	X	X			
PLASTIC		X	X		X	X	X	X	X			X
CAST IRON		X	X		X	X	X	X	X		X	X

NOTE: FOR SERVICES OTHER THAN THOSE SHOWN IN TABLE "B", PIPE ATTACHMENTS SHALL BE THOSE SPECIFIED IN THE PIPE SPECS.

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: R POPE
DRAWN: C LANGWORTHY
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

SCREENING BUILDINGS

PIPE SUPPORT SYSTEMS GENERAL NOTES AND LEGEND

FILENAME 24876-M-1302
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 000-M-02
SHEET NUMBER OF

tcoleman
Aug 01, 2014 - 8:01am
G:\Wwm\GABPA134 - CSO Group 1\3_DA1\fr COA\01 CUS\Drawings\2008 Custer CAD dwgs\000-M-02 Screen bldg- pipe support.dwg

10-27-04

GENERAL MECHANICAL ABBREVIATIONS

ADJ	ADJUST (ED, ABLE), ADJACENT	OC	ON CENTER
ADPT	ADAPTER	OD	OUTSIDE DIAMETER
AFF	ABOVE FINISHED FLOOR	OF	OUTSIDE FACE
AL	ALUMINUM	O/F	OVERFLOW
ANC	ANCHOR	OPNG	OPENING
APPROX	APPROXIMATE (LY)	ø	DIAMETER
AUTO	AUTOMATIC		
		PAV'T	PAVEMENT
BF	BLIND FLANGE	PE	PLAIN END
BFP	BACKFLOW PREVENTER	PG	PRESSURE GAUGE
BFV	BUTTERFLY VALVE	PH	PHASE
BLDG	BUILDING	PV	PINCH VALVE
BM	BEAM, BENCHMARK	PNEU	PNEUMATIC
BOT	BOTTOM	PNL	PANEL
BRZ	BRONZE	PRV	PRESSURE REGULATING (REDUCING) VALVE
BV	BALL VALVE		
		PSF	POUNDS PER SQUARE FOOT
CAP	CAPACITY	PSI	POUNDS PER SQUARE INCH
C/C	CENTER TO CENTER	PLV	PLUG VALVE
CFM	CUBIC FEET PER MINUTE	PVC	POLYVINYL CHLORIDE
CFS	CUBIC FEET PER SECOND		
CH	CHANNEL		
CI	CAST IRON	QCPLG	QUICK DISCONNECT COUPLING
CIP	CAST IRON PIPE		
CLR	CLEAR, CLEARANCE	R	RADIUS, RISER
CONC	CONCRETE, CONCENTRIC	RCP	REINFORCED CONCRETE PIPE
CONT	CONTINUOUS	RED.	REDUCER
CP	CONTROL PANEL	REQ'D	REQUIRED
CPLG	COUPLING	REINFL	REINFORCING STEEL
CPVC	CHLORINATED POLYVINYL CHLORIDE	RM	ROOM
CTR	CENTER	RV	RELIEF VALVE
CF	CUBIC FEET	R/W	RIGHT OF WAY
CS	CARBON STEEL		
CY	CUBIC YARD		
CV	CHECK VALVE	S	SOUTH
CL	CHLORINE	SCH	SCHEDULE
℄	CENTER LINE	SECT	SECTION
		SF	SUPPLY FAN
DET	DETAIL	SG	SLIDE GATE, SLUICE GATE
DIA. OR ø	DIAMETER	SHT	SHEET
DIFF	DIFFERENTIAL	SIM	SIMILAR
DISCH	DISCHARGE	S.P.	STATIC PRESSURE
DN	DOWN	SPEC	SPECIFICATIONS
DWG	DRAWING	SQ. OR ☐	SQUARE
DI	DUCTILE IRON	SS	STAINLESS STEEL
		STA	STATION
EA	EACH	STD	STANDARD
ECC	ECCENTRIC	STRUCT	STRUCTURAL
E.F.	EACH FACE	SURF	SURFACE
EF	EXHAUST FAN	SV	SOLENOID VALVE
EFF	EFFLUENT	SWD	SIDE WATER DEPTH
EL (ELEV)	ELEVATION	SR	SHORT RADIUS
ELEC	ELECTRIC		
ELL	ELBOW	T & B	TOP AND BOTTOM
EQUIP	EQUIPMENT	TC	TOP OF CURB
EXIST	EXISTING	TRANS	TRANSFORMER
EXP	EXPANSION	TYP	TYPICAL
EQ	EQUAL		
		UF	UNIT HEATER
		UG	UNDERGROUND
		U/P	UTILITY POLE
FAB	FABRICATE (ED, ION)	USGS	UNITED STATES GEOLOGICAL SERVICE
F/D	FLOOR DRAIN		
FIN	FINISH		
FLEX	FLEXIBLE	V	VALVE
FLG	FLANGE (D)	VAC	VACUUM
FLR	FLOOR	VAR	VARIES, VARIABLE
FM	FORCE MAIN	VB	VALVE BOX
FIG	FIGURE	VNT	VENT
FPC	FLEXIBLE PIPE COUPLING	VERT	VERTICAL
FPM	FEET PER MINUTE	VFD	VARIABLE FREQUENCY DRIVE
FPS	FEET PER SECOND	VTR	VENT THROUGH ROOF
FRP	FIBER REINFORCED PLASTIC		
FT	FOOT	WC	WATER COLLAR
FTG	FOOTING	W/	WITH
FFE	FINISH FLOOR ELEVATION	W/EQUIP	WITH EQUIPMENT
		W.G.	WATER GAUGE
GEN	GENERAL	WI	WROUGHT IRON
GA	GAUGE	W/O	WITHOUT
GAL	GALLON (S)	WS	WATER SURFACE
GALV	GALVANIZED	WSTP	WATER STOP
GBV	GLOBE VALVE	WT	WATER TIGHT
GL	GLASS	WWF	WELDED WIRE FABRIC
GPD	GALLONS PER DAY		
GPM	GALLONS PER MINUTE		
GR	GRADE		
GRD	GROUND		
GSKT	GASKET		
GV	GATE VALVE		
		H_2S	HYDROGEN SULFIDE
HD	HEAVY DUTY		
HGL	HYDRAULIC GRADE LINE		
HORIZ	HORIZONTAL		
HP	HORSEPOWER, HIGH PRESSURE, HIGH POINT		
HB	HOSE BIBB		
HVAC	HEATING, VENTILATING AND AIR CONDITIONING		
HW	HOT WATER		
HYD	HYDRAULIC		
		ID	INSIDE DIAMETER
IN	INCH		
INF	INFLUENT		
INSUL	INSULATE (ED, ION)		
INV	INVERT		
INV EL	INVERT ELEVATION		
		JB	JUNCTION BOX
JT	JOINT		
		LB	POUND
LEV	LEVEL		
LTG	LIGHTING		
LVR	LOUVER		
LW	LOW WATER		
LR	LONG RADIUS		
		MAG	MAGNETIC
MAN	MANUAL		
MANUF	MANUFACTURER		
MAX	MAXIMUM		
MCC	MOTOR CONTROL CENTER		
MCP	MAIN CONTROL PANEL		
MECH	MECHANICAL		
MG/L	MILLIGRAMS PER LITER		
MECH JT, MJ	MECHANICAL JOINT		
MGD	MILLION GALLONS PER DAY		
MH	MANHOLE		
MI	MALLEABLE IRON		
MIN	MINIMUM, MINUTE		
MISC	MISCELLANEOUS		
MO	MOTOR OPERATED		
MTR	MOTOR		
		N	NORTH
NIC	NOT IN CONTRACT		
#	NUMBER		
NOM	NOMINAL		
NRS	NON-RISING STEM		
NTS	NOT TO SCALE		
NV	NEEDLE VALVE		
NaOCl	SODIUM HYPOCHLORITE		
NaOH	SODIUM HYDROXIDE		

SYMBOLS

SHOWN FOR 4" SINGLE LINE PIPING AT 1/4" = 1'-0"

- FLANGED FITTING
- 90 DEG ELBOW
- ELBOW – TURNED DOWN
- ELBOW – TURNED UP
- 45 DEG ELBOW
- TEE
- TEE – OUTLET UP
- TEE – OUTLET DOWN
- COMBINATION WYE & 1/8 BEND
- WYE
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- UNION
- COUPLING

WALL/SLAB PENETRATIONS

SYMBOL	DETAIL (TYP.)
	8 DM0.102
	4 DM0.102
	1 DM0.102 FLANGED WALL PIPE
	4 DM0.102 FIRE RATED
	2 DM0.102 SLAB PENETRATION

- BLIND FLANGE
- PLUG
- CAP
- GATE VALVE
- BALL VALVE
- PLUG VALVE (SEAT)
- CHECK VALVE
- DIAPHRAGM VALVE
- BUTTERFLY VALVE
- GLOBE VALVE
- SOLENOID VALVE (S)
- PINCH VALVE
- FLEXIBLE EXPANSION JOINT
- MECHANICAL COUPLING
- ELEVATION TARGET
- SPOT ELEVATION 901.5
- FIRE EXTINGUISHER
- FLOW
- SEE INSTRUMENTATION DWG'S. FOR ABBREVIATIONS AND NOMINCLATURE (PI)
- CONCENTRIC REDUCING EXPANSION JOINT
- SAFETY SHOWER

VALVE SCHEDULE

SERVICE	TYPE	SIZE	DESCRIPTION
			SEE SPECIFICATION SECTION 15100

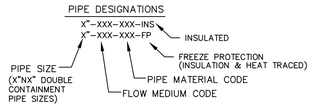
PIPE MATERIAL SCHEDULE

CODE	SERVICE	SIZE	PIPE MATERIAL	JOINTS & FITTINGS
POT	POTABLE WATER	2 1/2"ø & SMALLER	GALV. STEEL SCH. 40	THREADED
AIR	PLANT AIR	2 1/2"ø & SMALLER	GALV. STEEL SCH. 40	THREADED
PW	PLANT WATER	2 1/2"ø & SMALLER	GALV. STEEL SCH. 40	THREADED
POT PW	POTABLE WATER PLANT WATER	3"ø & LARGER	DUCTILE IRON	M.J. OR FLANGED
SAM	SAMPLE	4"ø & SMALLER	PVC, SCH. 80	SOLVENT WELDED OR FLANGED
CHL	SODIUM HYPOCHLORITE	4"ø & SMALLER	CPVC, SCH 80 TITANIUM	SOLVENT WELDED OR FLANGED
SB	SODIUM BISULFITE	ALL	PVC, SCH 80	SOLVENT WELDED OR FLANGED
DRN	DRAIN LINES	ALL	PVC, SCH. 80	SOLVENT WELDED OR FLANGED
RDRN	ROOF DRAIN LINES	4"ø & LARGER	DWV PVC DUCTILE IRON	SOLVENT WELDED M.J. OR FLANGED
GRT	GRIT REMOVAL	4"ø & LARGER	POLYETHYLENE LINED DUCTILE IRON	FLANGED OR COUPLING
SAN	SANITARY SEWER SANITARY FROM GRIT CLASSIFIER	6"ø & SMALLER ALL	DWV PVC DUCTILE IRON	SOLVENT WELDED M.J. OR FLANGED
VNT	VENT	ALL	PVC, SCH 80	SOLVENT WELDED OR FLANGED

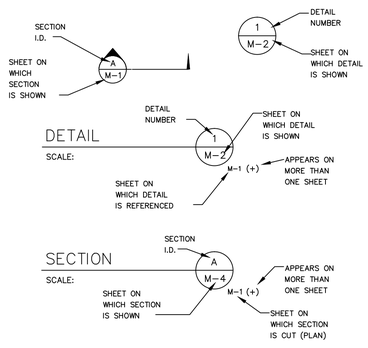
GENERAL MECHANICAL NOTES:

1. ELEVATIONS REFER TO USGS DATUM AND ARE SHOWN IN FEET.
2. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND AVOID ALL UTILITIES, OTHER STRUCTURES OR OTHER DISCIPLINES, BOTH ABOVE AND BELOW THE GROUND SURFACE, ALL DAMAGE RESULTING FROM THE CONTRACTOR'S FAILURE TO COMPLY WITH THE REQUIREMENTS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL FURNISH AND INSTALL FITTINGS AS REQUIRED WHETHER SHOWN OR NOT, IN ORDER TO ROUTE PIPES AROUND OTHER PIPES OR STRUCTURES TO AVOID CONFLICTS AS REQUIRED. UNIONS, FLANGED OR MECHANICAL JOINTS SHALL BE INSTALLED AS NEEDED TO ALLOW EQUIPMENT AND INSTRUMENT REMOVAL WITHOUT CUTTING OF PIPE.
4. HORIZONTAL AND VERTICAL CONTROL DIMENSIONS ARE SUBJECT TO ADJUSTMENTS IN THE FIELD IF NECESSARY TO AVOID CONFLICTS UPON APPROVAL OF THE ENGINEER.
5. ALL PIPING & EQUIPMENT ARRANGEMENTS & LOCATIONS SHALL BE PROPERLY REFERENCED AND RECORDED ON THE PROJECT "AS-BUILT" DRAWINGS.
6. FOR INSTRUMENTATION SYMBOLS AND TERMINOLOGY – REFER TO DRAWING NUMBERS DI36.101 and DI36.102.
7. FOR ELECTRICAL SYMBOLS AND TERMINOLOGY – REFER TO DRAWING NUMBER DE36.100. (1)
8. ALL PIPE CONNECTIONS OF DISSIMILAR PROPERTIES SHALL HAVE A DIELECTRIC COUPLING COMPATIBLE WITH PIPE CONTENTS
9. THE CONTRACTOR SHALL COORDINATE ALL WALL PENETRATIONS, SLEEVES, CAST-IN-PLACE INSERTS, WALL PLATES, AND OTHER APPURTENANCES REQUIRED WITH ALL DISCIPLINES AND MANUFACTURER'S APPROVED SHOP DRAWINGS.
10. THE CONTRACTOR SHALL VERIFY ALL PIPING/EQUIPMENT CONNECTIONS WITH MANUFACTURER'S APPROVED SHOP DRAWINGS AND SHALL PROVIDE FITTINGS AS REQUIRED FOR PROPER CONNECTION.
11. MECHANICAL DETAILS, CODES, PIPE DESIGNATIONS, ETC LOCATED ON DECHLORINATION AREA DRAWINGS SHALL BE USED WITHIN THE DECHLORINATION ONLY. DETAILS FROM OTHER SHEETS SHALL NOT BE USED WITHOUT THE SPECIFIC, WRITTEN CONSENT OF THE ENGINEER.

PIPE DESIGNATIONS



TYPICAL SECTION & DETAIL NUMBERING SYSTEM



AS-BUILT

WWETCO, LLC / PARSONS Wet Weather Engineering & Technology 5390 Triangle Parkway, Suite 100, Norcross, GA 30092, (770) 446-4900	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)	EXTERNAL REFERENCE FILES	REVISIONS		
	DESIGNED: PKG		ZONE / REV. / DESCRIPTION / BY / DATE / APP.		
	DRAWN: PKG			1 / AS-BUILT DRAWING / AB / 1-2009	
SUBMITTED: _____ DATE: _____ PROJECT MANAGER	CHECKED:			1 / ADDENDUM 3 / JTS / 2/28/02	
APPROVED: _____ DATE: _____	CHECKED:			/ ISSUE FOR BID / JTS / 11/04/04	
	APPROVED:				

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

DECHLORINATION MECHANICAL LEGEND AND GENERAL NOTES

FILENAME	
PROJECT NUMBER	
CLIENT PROJECT NUMBER	
DRAWING NUMBER	070–M–01
SHEET NUMBER	OF

tcoleman
Aug 01, 2014 - 9:57am
G:\Wwm\GA#PA134 - CSO Group 1\3_DATI\Fr CO\A\01 CUSD\drawings\2008 Custer CAD dwgs\070-M-01 Mechanical Legend.dwg

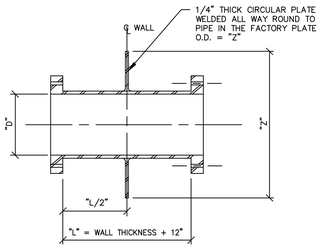


TABLE OF DIMENSIONS IN INCHES

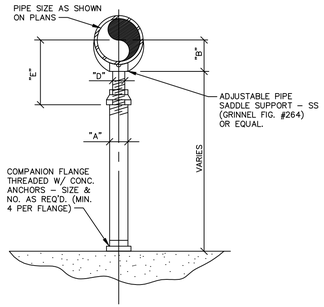
D	Z	D	Z
2	6	16	23.5
3	8	18	26
4	9	20	28
6	11.5	24	32.5
8	13.5		
10	16		
12	18		
14	21.5		

NOTES:

1. VITON GASKETS HAVING THE SAME B, C & D DIMENSIONS AS SHOWN
2. EACH WALL PIPE SHALL BE SUPPLIED W/ 316 STAINLESS STEEL BOLTS, WASHERS & NUTS.
3. WALL PIPE MATERIAL SHALL BE THE SAME TYPE AND MATERIAL AS CONNECTING PIPING.
4. WHERE CALLED FOR ON THE PLANS, P.E. x P.E or P.E. x M.J. WALL PIPES DELETE FLANGE DIMENSIONS FROM TABLE AND ADJUST ACCORDINGLY

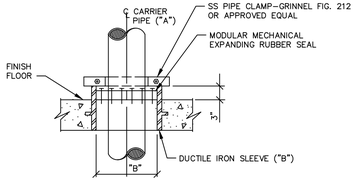
DETAIL–WALL PIPE (1) M–02
NOT TO SCALE

SCHEDULE OF DIMENSIONS					
PIPE SIZE	A	B	D	E MIN.	E MAX.
2 1/2	2 1/2	3 /12	1 1/2	8	13
3	2 1/2	3 3/4	1 1/2	8 1/4	13 1/4
3 1/2	2 1/2	4	1 1/2	8 1/2	13 1/2
4	3	4 1/4	2 1/2	9 1/4	14
5	3	4 7/8	2 1/2	10	14 3/4
6	3	5 1/2	2 1/2	10 1/2	15 1/4
8	3	6 3/8	2 1/2	11 3/4	16 1/2
10	3	8 1/2	2 1/2	13 1/2	18 1/4
12	3	9 15/16	2 1/2	15	19 3/4
14	4	10 15/16	3	16 1/4	20 3/4
16	4	12 3/8	3	17 3/4	22 1/4
18	6	13 7/8	3 1/2	19 1/2	24

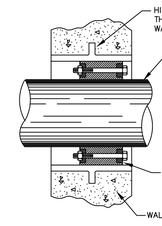


DETAIL–PIPE SUPPORT (2) M–02
NOT TO SCALE

"A" CARRIER PIPE O.D. (INCHES) NOMINAL ALL MATERIALS	"B" WALL SLEEVE I.D. (INCHES) NOMINAL DUCTILE IRON
1/2–2 1/2	4
3–4	6
6	10
8	12
10	14
12	16
14	18
16	20
18	24
20	24
24	30
30	36
36	42
42	48
48	56

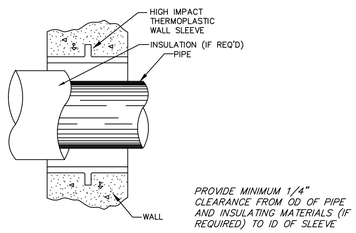


DETAIL–SLAB PENETRATIONS (3) M–02
NOT TO SCALE

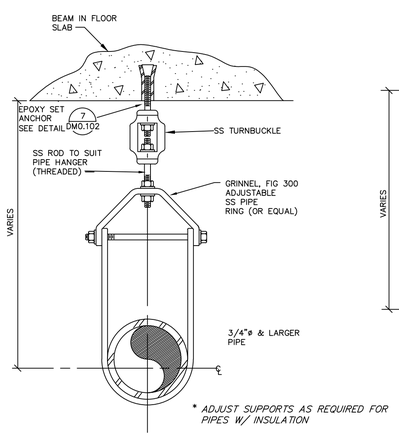


CARRIER PIPE O.D. (INCHES) NOMINAL	WALL SLEEVE OR HOLE I.D. (INCHES) NOMINAL
1/2–2 1/2	4
3–4	6
6	10
8	12
10	14
12	16
14	18
16	20
18	24
20	24
24	30
30	36
36	42
42	48
48	56

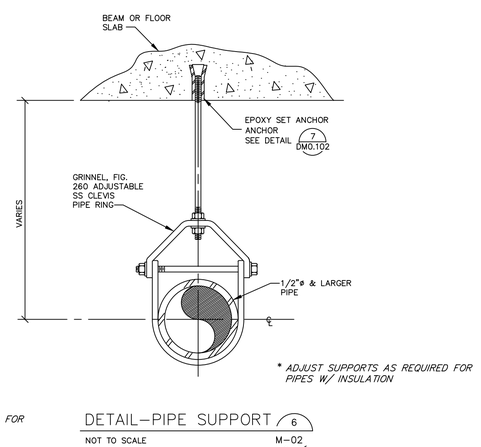
DETAIL–TYP. WALL PENETRATION (4) M–02
NOT TO SCALE



DETAIL–WALL SLEEVE (8) M–02
NOT TO SCALE



DETAIL–PIPE SUPPORT INSULATED LINES (5) M–02
NOT TO SCALE

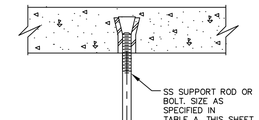


DETAIL–PIPE SUPPORT (6) M–02
NOT TO SCALE

TABLE A								
NOMINAL PIPE SIZE (INCHES)	SUPPORT ROD SIZE AND MAX. LOAD PER ROD SEE NOTE 2 AND 3				MAXIMUM PIPE SPAN (FEET)			
	SINGLE ROD SUPPORT SYSTEM		TWO ROD SUPPORT SYSTEM		STEEL SEE NOTE 3	FIBERGLASS	PVC SEE NOTE 4	DUCTILE IRON SEE NOTE 6
	ROD SIZE (INCHES)	MAX. LOAD (POUNDS)	ROD SIZE (INCHES)	MAX. LOAD (POUNDS)				
3/8 – 3/4	3/8	610	3/8	610	5	---	CONTINUOUS	---
1	3/8	610	3/8	610	7	---	3.8	---
1 1/4	3/8	610	3/8	610	7	---	4	---
1 1/2	3/8	610	3/8	610	9	3.75	4	---
2	3/8	610	3/8	610	10	4.75	4.33	17 FEET FOR PRESSURE PIPE 10 FEET FOR SOIL PIPE
2 1/2	3/8	610	3/8	610	11	5.75	4.75	
3	3/8	610	3/8	610	12	7	5	
4	1/2	1130	3/8	610	14	9	5.25	
6	5/8	1810	1/2	1130	17	12	6	
8	3/4	2710	1/2(5/8)	1130(1810)	19	11	12	
10	3/4(1)	2710(4960)	5/8(3/4)	1810(2710)	22	12	12	
12	7/8 (1 1/4)	3770(8000)	3/4(7/8)	2710(3770)	23	---	---	

NOTES:

1. DESIGN WEIGHT SHALL BE TWICE THE WEIGHT OF THE PIPE FULL OF WATER. HANGER SYSTEMS SHALL BE DESIGNED USING THIS DESIGN SHEET, SPECIFICATIONS OR MANUFACTURERS STANDARDS WHICHEVER ARE THE MOST STRINGENT.
2. ROD SIZES SHOWN ARE FOR THE SUPPORT OF A SINGLE PIPE. WHEN SUPPORTING MORE THAN ONE PIPE, ROD SHALL BE SIZED USING THE DESIGN WEIGHTS (SEE NOTE 1) TO DETERMINE THE TOTAL DESIGN LOAD. THE TOTAL DESIGN LOAD SHALL NOT EXCEED THE MAXIMUM LOADS SHOWN IN THE TABLE ABOVE.
3. ROD SIZES AND MAXIMUM LOADS IN PARENTHESIS ARE FOR 8", 10", OR 12" STEEL PIPE ONLY, AT SPANS SHOWN
4. SPAN SHOWN IS FOR SCHEDULE 80 PVC PIPE AT 100°F. SPANS FOR OTHER PLASTICS, OTHER PVC PIPE SCHEDULES AND PIPES AT HIGHER TEMPERATURES SHALL BE SHORTENED IN ACCORDANCE WITH THE PIPE MANUFACTURER'S RECOMMENDATIONS. "CONTINUOUS" MEANS PIPE SHALL BE IN UNISTRUT OR SIMILAR CHANNEL.
5. FOR PIPES SUBJECT TO LONGITUDINAL MOVEMENT, OR HAVING SERVICE TEMPERATURES IN RANGES OF 33°F TO 59°F OR 120°F TO 450°F.
6. PROVIDE A MINIMUM OF ONE PIPE HANGER PER PIPE LENGTH, WITHIN 4–INCHES OF THE BELL OR FLANGE OF THE PIPE.

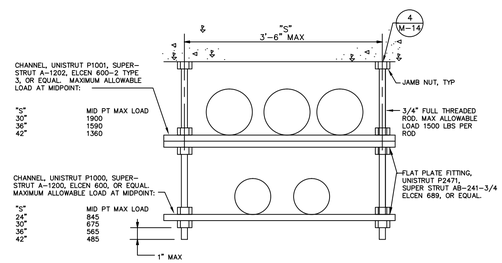


CAPACITY: 3/8" THROUGH 6" PIPE
MAXIMUM ALLOWABLE LOAD:

ROD SIZE	LOAD
3/8"	610 lbs.
1/2"	1130 lbs.
5/8"–7/8"	1140 lbs.

SPACING SHALL BE AS REQUIRED BUT SHALL NOT EXCEED THOSE SPANS SHOWN IN TABLE A THIS SHT.

DETAIL–CONCRETE ANCHOR (7) M–02
NOT TO SCALE



TRAPEZE NOTES:

1. SPACING SHALL BE AS SPECIFIED IN TABLE A. SEE NOTE 2.
2. MAXIMUM DESIGN WEIGHTS SHALL BE AS FOLLOWS:
   3/8" TO 1 1/4" PIPE – 100% OF DESIGN WEIGHT. TABLE A.
   1 1/2" TO 12" PIPE – 50% OF DESIGN WEIGHT. TABLE A.
3. TOTAL LOADS ON END CONNECTIONS SHALL NOT EXCEED 1/2 THE MAXIMUM ALLOWABLE LOAD AT MID–POINT.
4. VERTICAL SPACING SHALL BE AS REQUIRED.

DETAIL – TRAPEZE PIPE SUPPORT (9) M–02
NOT TO SCALE

AS-BUILT

WWETCO, LLC / PARSONS / PSI
Wet Weather Engineering & Technology
5390 Triangle Parkway, Suite 100, Norcross, GA 30092, (770) 446–4900

SUBMITTED: _____ DATE: _____ (PROJECT MANAGER)
APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)
DESIGNED: PKG
DRAWN: PKG
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS–BUILT DRAWING	AB	1–2009	
		ISSUE FOR BID	JTS	11/04/04	

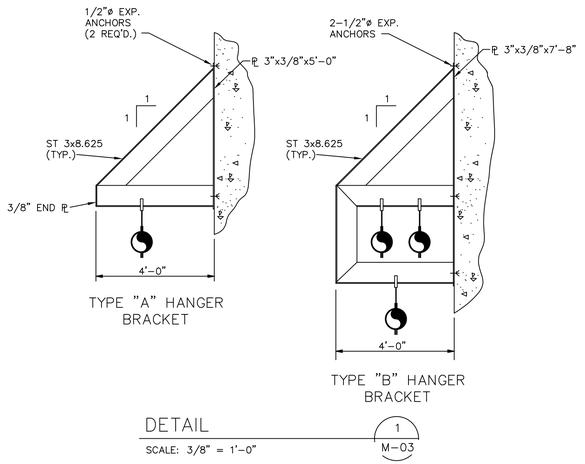
CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

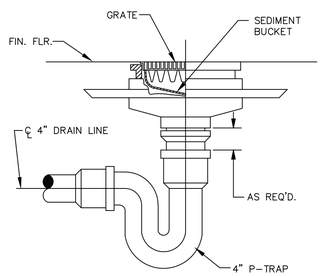
DECHLORINATION
MECHANICAL DETAILS 1

FILENAME	
PROJECT NUMBER	
CLIENT PROJECT NUMBER	
DRAWING NUMBER	070–M–02
SHEET NUMBER	OF

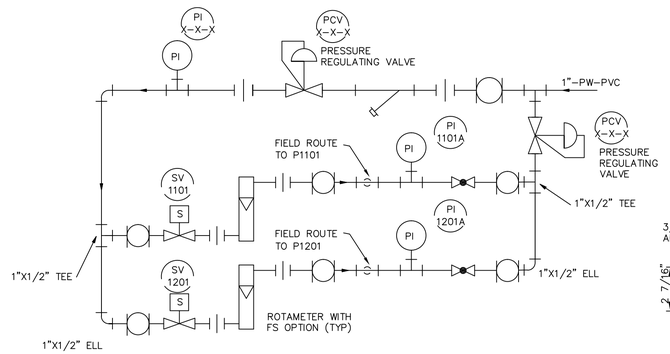
tcoleman
Aug 01, 2014 - 9:58am
G:\Wwm\GABP\134 - CSO Group 13\ DATfr CQA\01 CUS\Drawings\2008 Custer CAD dwgs\070-M-02 Mechanical Details 1.dwg



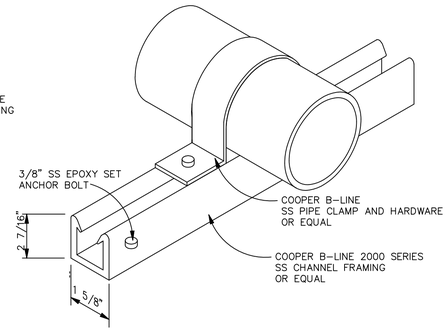
DETAIL
SCALE: 3/8" = 1'-0"
1 M-03



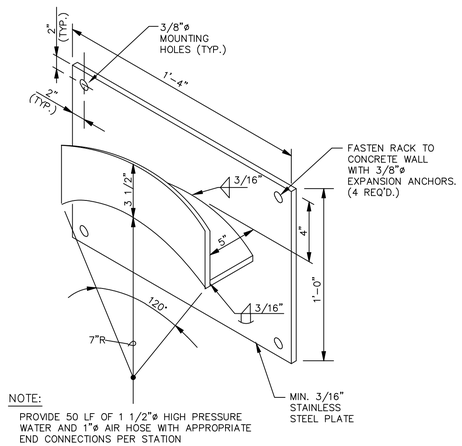
FLOOR DRAIN DETAIL
NOT TO SCALE
2 M-03



DETAIL – SEAL WATER
SCALE: 1 1/2"=1'-0"
3 M-03

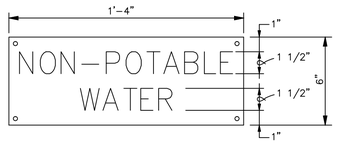


DETAIL–PIPE SUPPORT
NOT TO SCALE
4 M-03

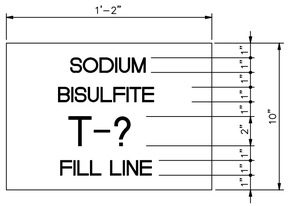


NOTE:
PROVIDE 50 LF OF 1 1/2"ø HIGH PRESSURE WATER AND 1"ø AIR HOSE WITH APPROPRIATE END CONNECTIONS PER STATION

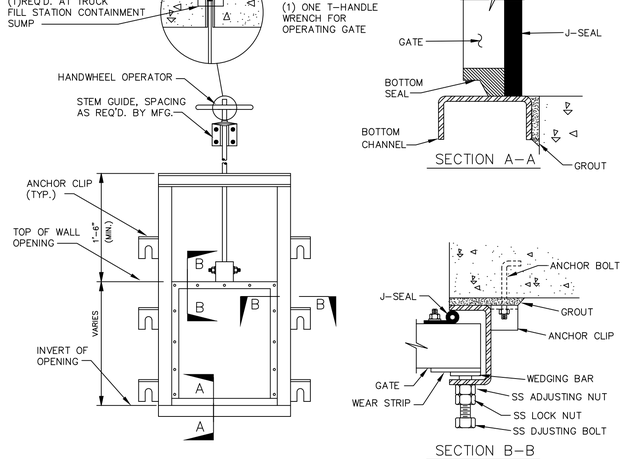
DETAIL–WATER/AIR HOSE RACK
NOT TO SCALE
5 M-03



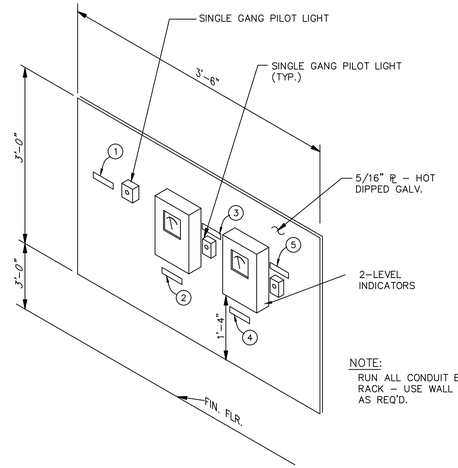
DETAIL
SCALE: 3" = 1'-0"
6 M-03



DETAIL – FILL SIGN
SCALE: 3" = 1'-0"
7 M-03



DETAIL – FRP SLIDE GATE
NOT TO SCALE
8 M-03



T-0100 / T-0200
NAME PLATE SCHEDULE

1	=	SODIUM BISULFITE CONTAINMENT SUMP HIGH LEVEL
2	=	SODIUM BISULFITE STORAGE TANK NO. 1 LEVEL INDICATOR
3	=	SODIUM BISULFITE STORAGE TANK NO. 1 TANK FULL
4	=	SODIUM HYPOCHLORITE STORAGE TANK NO. 2 LEVEL INDICATOR
5	=	SODIUM HYPOCHLORITE STORAGE TANK NO. 2 TANK FULL

NOTE:
RUN ALL CONDUIT BEHIND RACK – USE WALL SPACERS AS REQ'D.

DETAIL–FILL STATION EQUIP. RACK
NOT TO SCALE
9 M-03

AS-BUILT

WWETCO, LLC
Wet Weather Engineering & Technology
PARSONS
5390 Triangle Parkway, Suite 100, Norcross, GA 30092, (770) 446-4900

SUBMITTED: _____ DATE: _____
PROJECT MANAGER
APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE
(IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: PKG
DRAWN: PKG
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2009	
		ISSUE FOR BID	JTS	11/04/04	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

DECHLORINATION MECHANICAL DETAILS 2

FILENAME
PROJECT NUMBER
CLIENT PROJECT NUMBER
DRAWING NUMBER 070-M-03
SHEET NUMBER OF

Aug 01, 2014 - 9:59am
tcoleman
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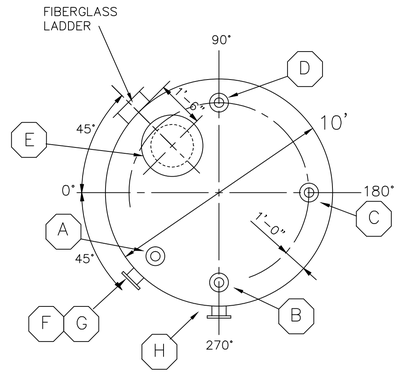
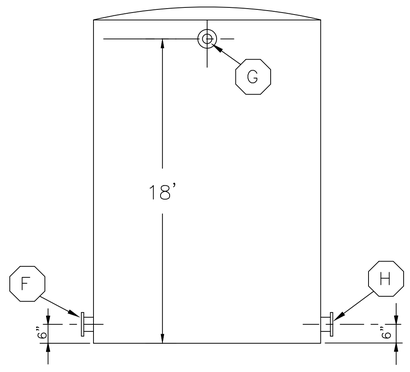


T–0100 & T–0200

PLAN



ELEVATION

CUSTER AVENUE – SODIUM BISULFITE STORAGE TANK

NOZZLE SCHEDULE				
No.	DIA.	ANGLE	LENGTH	REMARKS
(A)	3"	315°	4"	RECIRCULATION **
(B)	3"	270°	4"	FILL LINE **
(C)	4"	180°	4"	TANK VENT
(D)	4"	90°	4"	LEVEL SENSOR
(E)	24"	45°	6"	HINGED ACCESS W/ LATCH
(F)	4"	315°	4"	PUMP SUCTION CONNECTION
(G)	4"	315°	4"	TANK OVERFLOW CONNECTION
(H)	4"	270°	4"	PUMP SUCTION

NOTE: ALL NOZZLES ARE TO FLANGED AND SHALL CONFORM TO ANSI B16.1 150 lb.

** NOZZLES A AND B TO HAVE INTERNAL STILLING WELLS TO 3' ABOVE TANK BOTTOM

AS-BUILT

WWETCO, LLC
Wet Weather Engineering & Technology
PARSONS
5390 Triangle Parkway, Suite 100,
Norcross, GA 30092, (770) 446–4900

SUBMITTED: _____ DATE: _____
PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: PKG
DRAWN: PKG
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS–BUILT DRAWING	AB	1–2009	
		ISSUE FOR BID	JTS	11/04/04	

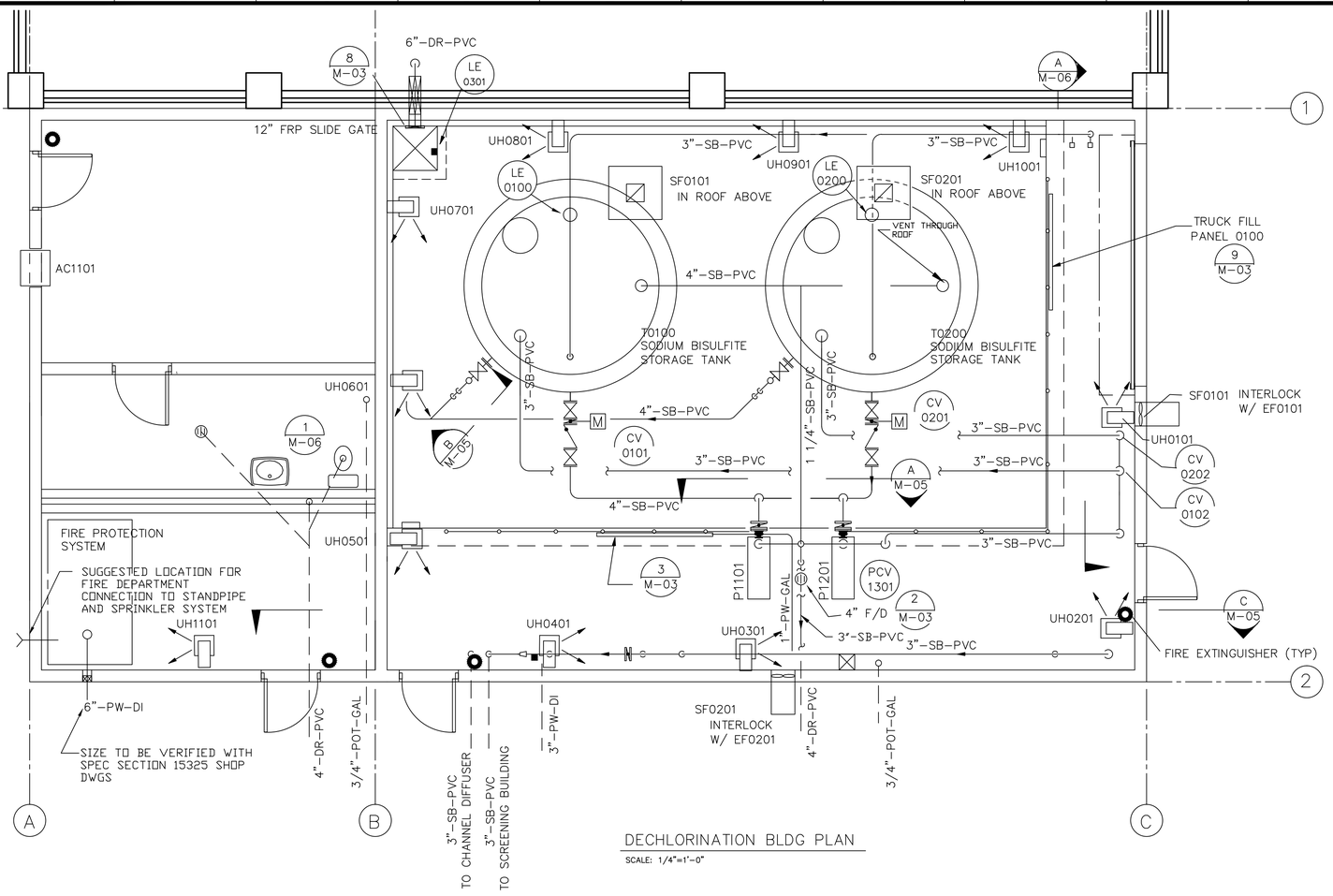
CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE
AND DECHLORINATION FACILITY

DECHLORINATION
TANK NOZZLE SCHEDULE

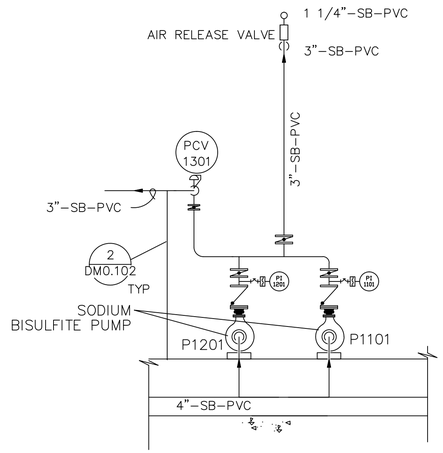
FILENAME
PROJECT NUMBER
CLIENT PROJECT NUMBER
DRAWING NUMBER
070–M–04
SHEET NUMBER
OF

tcoleman
Aug 01, 2014 - 10:03am
G:\Wwm\GA\PA134 - CSO Group 1\3_DATA\ CAD\A01 CIS\Drawings\2008 Custer CAD dwgs\070-M-04 EAST SIDE TANK NOZZLE SCHEDULE.dwg



DECHLORINATION BLDG PLAN

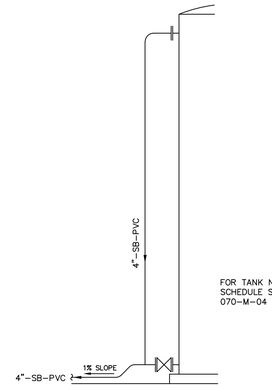
SCALE: 1/4"=1'-0"



SECTION

SCALE: 1/4"=1'-0"

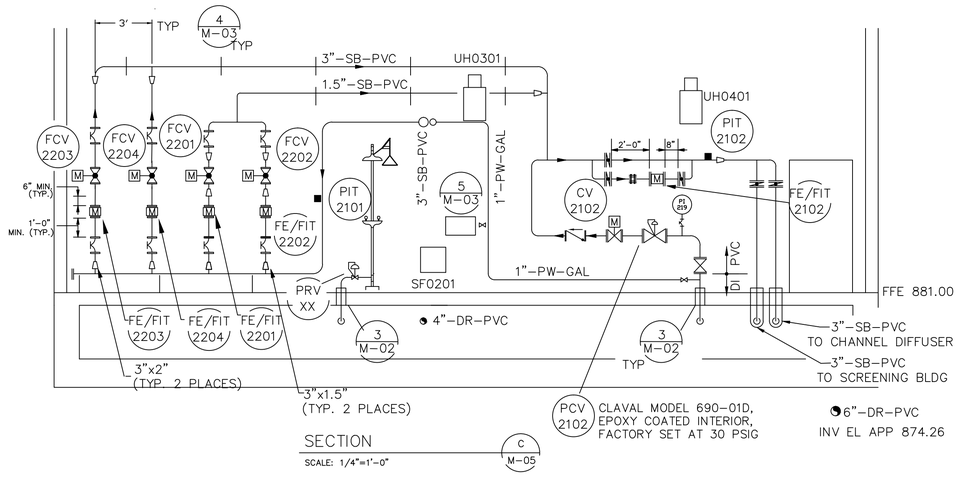
A M-05



SECTION

SCALE: 1/4"=1'-0"

B M-05



SECTION

SCALE: 1/4"=1'-0"

C M-05

* SEE SK-18 FOR AS BUILT DEETAILS

AS-BUILT

WWETCO, LLC
Wet Weather Engineering & Technology
PARSONS
5390 Triangle Parkway, Suite 100,
Norcross, GA 30092, (770) 446-4900

SUBMITTED: _____ DATE: _____
PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: PKG
DRAWN: PKG
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES
EAST-TBLK.dwg

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2009	
		ISSUE FOR BID	JTS	11/04/04	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

DECHLORINATION MECHANICAL PLAN & SECTIONS 1

FILENAME	
PROJECT NUMBER	
CLIENT PROJECT NUMBER	
DRAWING NUMBER	070-M-05
SHEET NUMBER	OF

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Aug 01, 2014 - 10:03am
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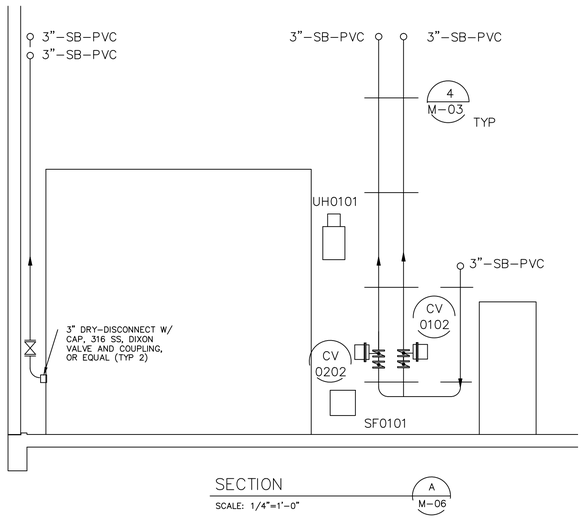
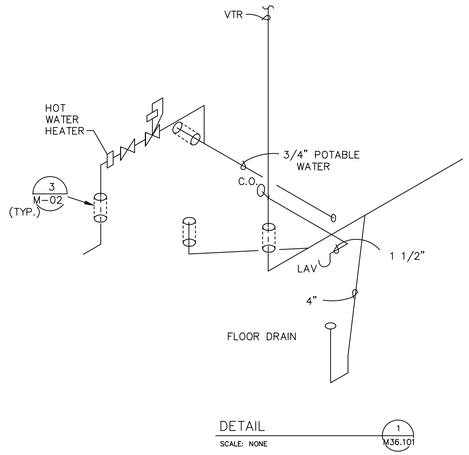


SECTION

SCALE: 1/4"=1'-0"

A M-06



DETAIL

SCALE: NONE

1 M36.101

ELECTRIC UNIT HEATER – SCHEDULE

MARK NO.	LOCATION	ELECTRICAL DATA				FAN MOTOR DATA		AIR FLOW		MFR. *	MODEL NO.	MOUNT TYPE	REMARKS
		KW.	VOLTS	PHASE	HZ	RPM	H/P	CFM	dT°F				
UH0101–1001	CHEMICAL ROOM	7.5	480	3	60	1050	1/15	590	37°F	CHROMALOX	HDH–A–750 TSP	WALL	FURNISHED WITH MOUNTING KITS AND THERMOSTATS
UH–1101	STORAGE ROOM	5	480	1	60	1050	1/50	420	42°F	CHROMALOX	KUH–05–43–30	WALL	

* OR APPROVED EQUAL

EXHAUST FAN SCHEDULE

TAG NO.	LOCATION	CFM	S.P. W.G. INCHES	ELECTRICAL				TYPE	DRIVE	CONSTR. BLADE/WHEEL	MFR. *	MODEL NO.	MOUNT HGT
				H/P	VOLT	PHASE	HZ						
EF0101,0201	CHEMICAL ROOM ROOF	1,284	.0125	1/2	120	1	60	PROPELLER ROOF TYPE	BELT	HEAVY DUTY FIBERGLASS	HARTZELL	SERIES 58E	NA
SF0101,0201	CHEMICAL ROOM WALL	1135	.0125	1/4	120	1	60	PROPELLER WALL TYPE	DIRECT	HEAVY DUTY FIBERGLASS	HARTZELL	SERIES 59	12" AFF

* OR APPROVED EQUAL

PROVIDE BACKDRAFT DAMPERS AND CURBS WITH EXHAUST FANS, HOODS AND BIRD SCREENS WITH SUPPLY FANS.

EF0101 TO HAVE ON/OFF SWITCH. EF0201 & EF0301 TO BE THERMOSTAT CONTROLLED.

AC1101

CARRIER 52FE3103 10,000 BTU SOLID SIDE AIR CONDITIONER 26" 230 / 208 VOLT WITH ELECTRIC HEAT. SUPPLIED WITH MOUNTING SLEEVE

AS-BUILT

WWETCO, LLC
Wet Weather Engineering & Technology
PARSONS
5390 Triangle Parkway, Suite 100,
Norcross, GA 30092, (770) 446-4900

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: PKG
DRAWN: PKG
CHECKED:
CHECKED:
APPROVED:

SUBMITTED: _____ DATE: _____
PROJECT MANAGER
APPROVED: _____ DATE: _____

EXTERNAL REFERENCE FILES
EAST-TBLK.dwg

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2009	
		ISSUE FOR BID	JTS	11/04/04	

CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE
AND DECHLORINATION FACILITY

DECHLORINATION
MECHANICAL SECTIONS & DETAILS 1

FILENAME
PROJECT NUMBER
CLIENT PROJECT NUMBER
DRAWING NUMBER
070-M-06
SHEET NUMBER
OF

Aug 01, 2014 - 10:04am tcoleman
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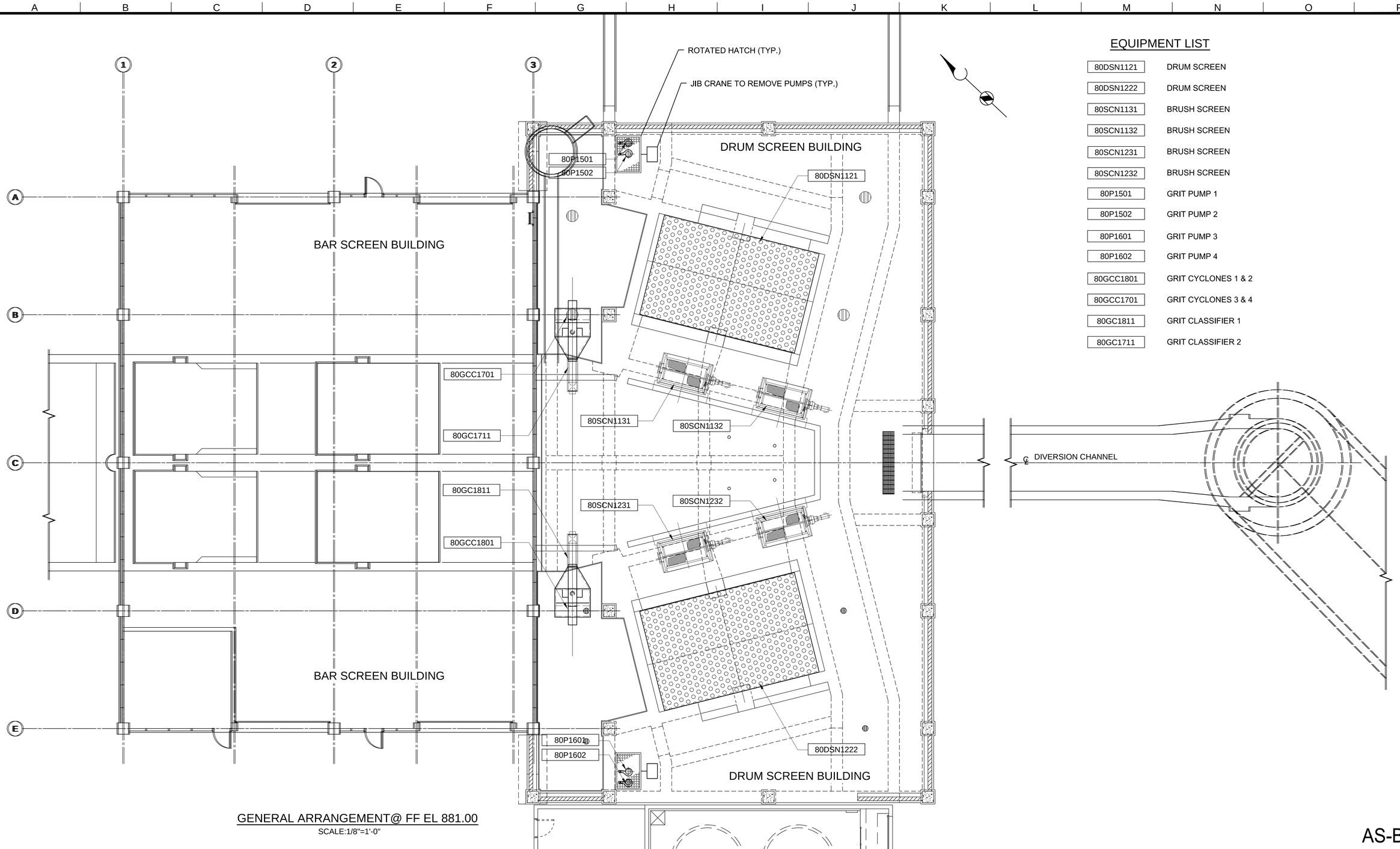

EQUIPMENT LIST

80DSN1121	DRUM SCREEN
80DSN1222	DRUM SCREEN
80SCN1131	BRUSH SCREEN
80SCN1132	BRUSH SCREEN
80SCN1231	BRUSH SCREEN
80SCN1232	BRUSH SCREEN
80P1501	GRIT PUMP 1
80P1502	GRIT PUMP 2
80P1601	GRIT PUMP 3
80P1602	GRIT PUMP 4
80GCC1801	GRIT CYCLONES 1 & 2
80GCC1701	GRIT CYCLONES 3 & 4
80GC1811	GRIT CLASSIFIER 1
80GC1711	GRIT CLASSIFIER 2

GENERAL ARRANGEMENT@ FF EL 881.00

SCALE:1/8"=1'-0"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____
PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES
AT FULL SIZE
(IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: B SAWHNEY
DRAWN: R YOUNG
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
	1	AS-BUILT DRAWING	AB	1-2005	

CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE
AND DECHLORINATION FACILITY

DRUM SCREEN BUILDING
GENERAL ARRANGEMENT AND
EQUIPMENT LIST

FILENAME
24786-080-M-01
FACILITY NUMBER
36
CLIENT PROJECT NUMBER
DRAWING NUMBER
080-M-01
SHEET NUMBER
OF

5-20-04

Aug 01, 2014 - 9:50am
tcoleman
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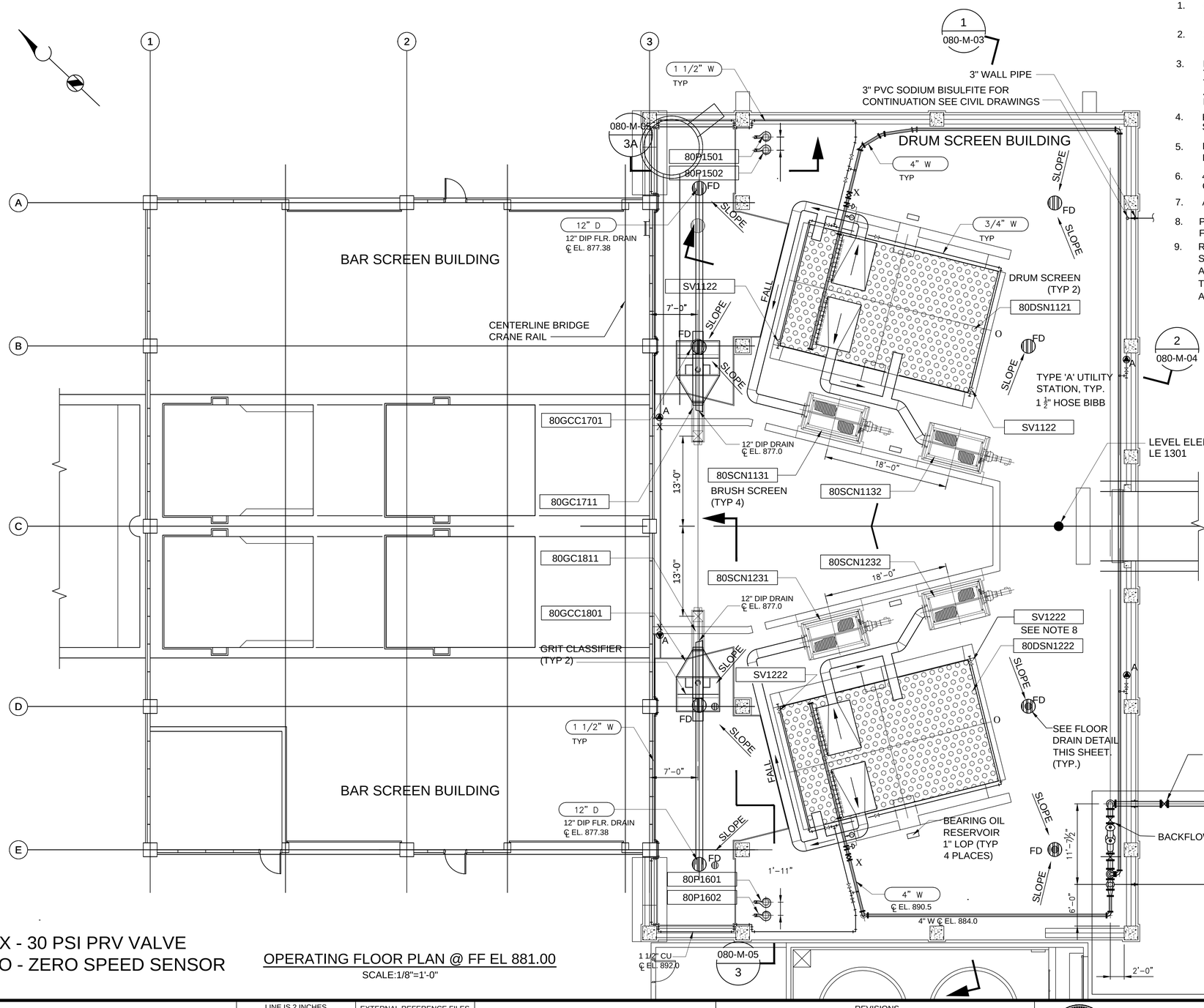
NOTES:

1. CONNECT 4" WATER PIPELINE TO CONTROL VALVE FOR FLUSHING AND WASHING OF DRUM SCREEN. PROVIDE REDUCER/INCREASER AS REQUIRED TO SUIT MFR'S VALVE SIZE.
2. SPLASH HOUSING WITH ACCESS DOORS TO SPRAYING SYSTEM AND ACCESS PLATFORM TO SPLASH HOUSING SHALL BE PROVIDED BY DRUM SCREEN MANUFACTURER, SEE SPECIFICATION SECTION 11339.
3. DRUM SCREEN MANUFACTURER SHALL PROVIDE A SLUICE TROUGH FROM EACH DRUM SCREEN DEBRIS HOPPER TO EACH BRUSH SCREEN UNIT SHOWN ON THE DRAWINGS. TRANSITION FROM DEBRIS HOPPER TO SLUICE TROUGH SHALL ENSURE A SMOOTH TRANSFERENCE OF SCREENINGS TO COMPACTOR WITHOUT BRIDGING OR JAMMING OF THE SLUICE WAY. SLUICE SYSTEM SHALL BE OF THE SAME MATERIAL AS THE DEBRIS HOPPER.
4. PROVIDE HEAT TRACING AND INSULATION ON EXPOSED WR PIPING IN ACCORDANCE WITH APPLICABLE SPECIFICATION SECTIONS.
5. EXACT LOCATION OF EQUIPMENT, PIPING, WALL AND FLOOR PIPES TO BE DETERMINED AFTER EQUIPMENT IS SUBMITTED.
6. 4" GRIT SLURRY PIPE TO BE FLANGED CLASS 56 DIP EXCEPT GROOVED END AT ALL ELBOWS.
7. ALL ELBOWS TO BE LONG RADIUS.
8. PROVIDE 2 SOLENOID VALVES (EACH 1 1/2" IN SIZE) AND WATER PIPING AT EACH DRUM SCREEN FOR SEAL LUBRICATION.
9. REMOVE & STORE, AS DIRECTED BY THE CITY, THE EXISTING ACTUATOR ON THE EXISTING SLUICE GATE SG1302 AS LABELED ON DRAWING DI36.103. INSTALL A NEW ACTUATOR ON THE EXISTING SLUICE GATE. THE ACTUATOR SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 11205, MOTORIZED ACTUATORS. THE GATE SHALL BE CAPABLE OF CLOSING IN 3 1/2 MINUTES. THE GATE IS APPROXIMATELY 9'-0" FEET WIDE AND 6'-0" TALL.



FLOOR DRAIN DETAIL
NTS

X - 30 PSI PRV VALVE
O - ZERO SPEED SENSOR

OPERATING FLOOR PLAN @ FF EL 881.00
SCALE:1/8"=1'-0"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: B SAWHNEY
DRAWN: R YOUNG
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
		ADDENDUM #3		02/05	
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

DRUM SCREEN BUILDING
OPERATING FLOOR PLAN

FILENAME 24786-080-M-02
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 080-M-02
SHEET NUMBER OF

tcoleman
Aug 01, 2014 - 9:51am
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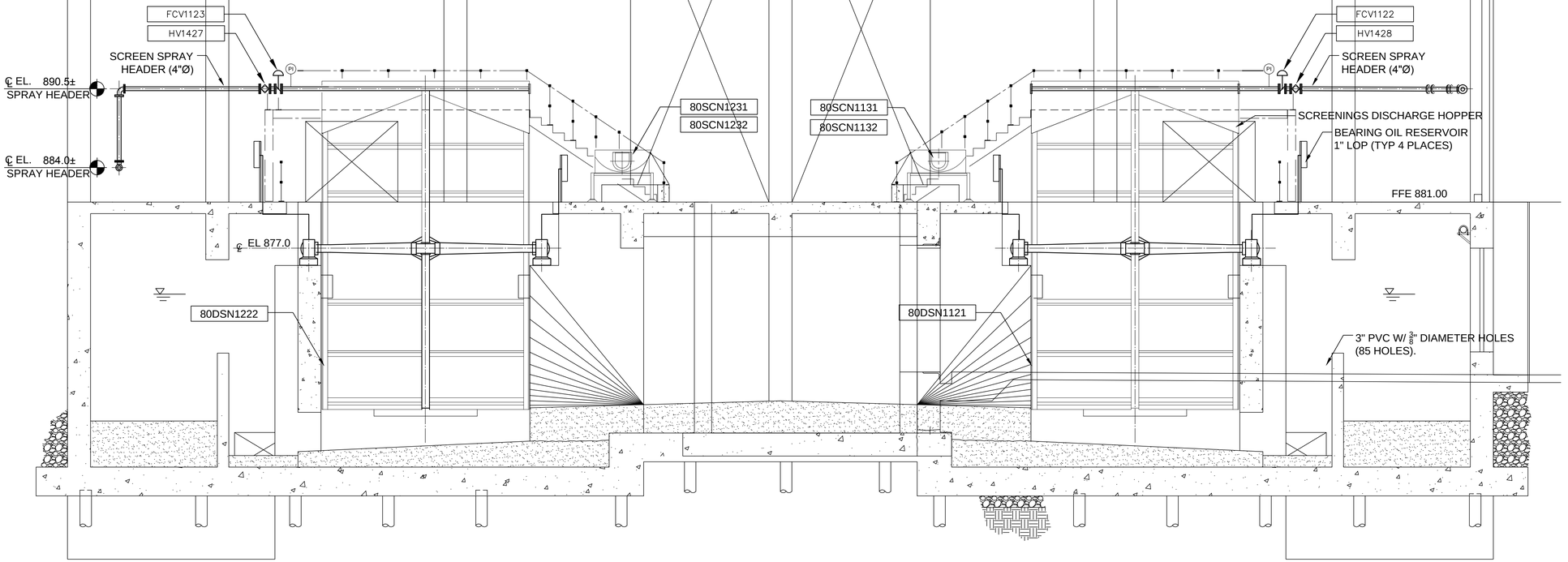
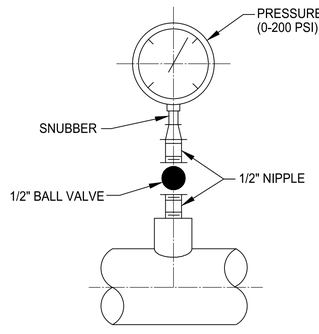
5-20-04



SECTION 1 / 080-M-02

SCALE: 3/16"=1'-0"



PRESSURE GAUGE ASSEMBLY

PRESSURE GAUGE MOUNTING DETAIL

NTS

NOTES:

1. FOR STL. GALV. & PVC 2 1/2" & SMALLER USE A BUSHING IN A TEE
2. FOR D.I. & FRP, ALL SIZES, USE PIPE SADDLE W/ BUSHING.
3. FOR STL. & S. STL. PIPES 3" & LARGER, & PRESSURE VESSELS, USE THRED-O-LET AS SHOWN.
4. PROVIDE PRESSURE SENSOR WITH GAUGE OR SWITCH FOR POSITIVE DISPLACEMENT PUMP INSTALLATIONS.

NOTES:

1. SCREEN DISCHARGE HOPPER & GUTTER SHALL BE DESIGNED TO PROVIDE FEED TO BRUSH SCREENS AT EL 884.0 OR ABOVE.
2. PROVIDE 304 STAINLESS STEEL SUPPORTS TO MOUNT BRUSH SCREENS.
3. ACCESS PLATFORM FOR SPRAY WATER HEADER & SCREENING TROUGH SHALL BE DESIGNED BY SCREEN MANUFACTURER.
4. DRUM SCREEN SLUICE TROUGH BY DRUM MANUFACTURER. SLUICE WAY TO PROVIDE NO SPLASH DISCHARGE AT BRUSH SCREEN, WHILE ENSURING A CONTINUOUS DISCHARGE OF SCREENINGS.

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams–Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ (PROJECT MANAGER)

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: B SAWHNEY
DRAWN: R YOUNG
CHECKED: B SAWHNEY
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
	1	AS–BUILT DRAWING	AB	1–2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

DRUM SCREEN BUILDING SECTION

FILENAME 080-M-03
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 080-M-03
SHEET NUMBER - OF

5-20-04

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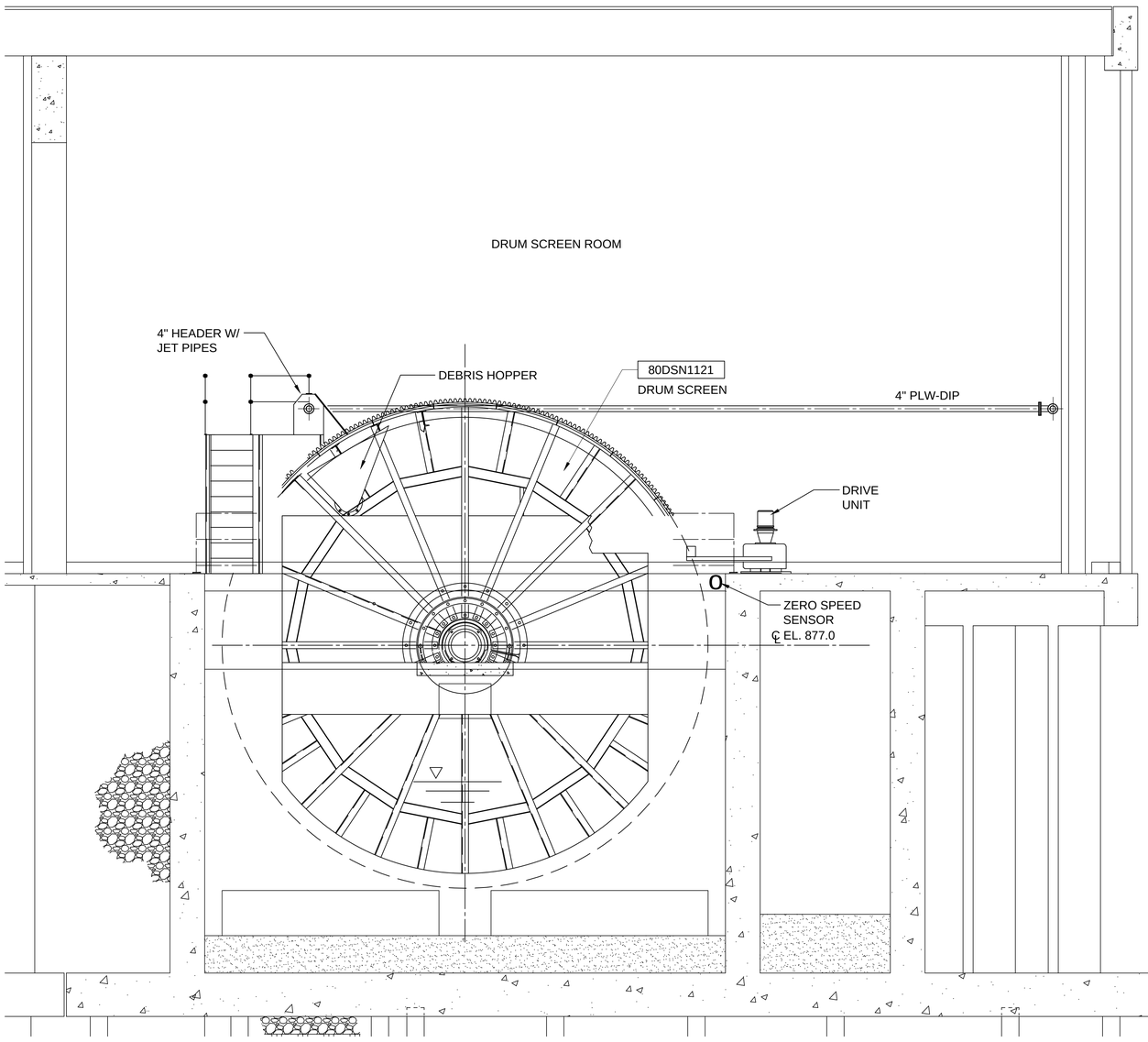
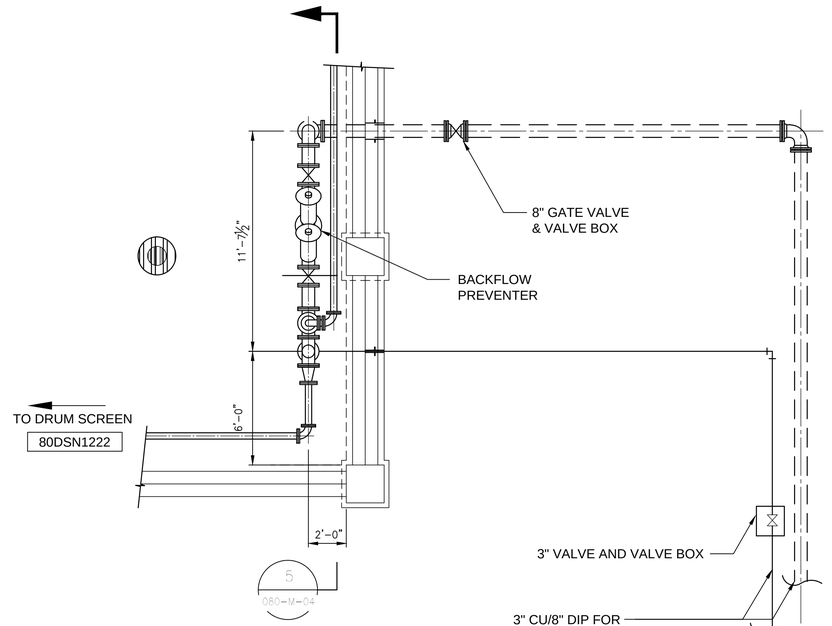


SECTION 2 / 080-M-02

SCALE: 3/16"=1'-0"

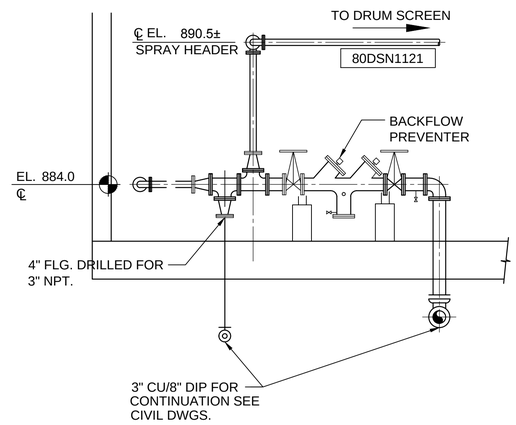
O - ZERO SPEED SENSOR



PARTIAL PLAN

4 / 080-M-02

SCALE: 1/4"=1'-0"



SECTION 5 / 080-M-04

SCALE: 1/4"=1'-0"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ (PROJECT MANAGER)

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: B SAWHNEY
DRAWN: R YOUNG
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE
AND DECHLORINATION FACILITY

DRUM SCREEN BUILDING
PARTIAL PLAN & SECTIONS

FILENAME: 080-M-04
FACILITY NUMBER: 36
CLIENT PROJECT NUMBER:
DRAWING NUMBER: 080-M-04
SHEET NUMBER: - OF

tcoleman
Aug 01, 2014 - 9:54am
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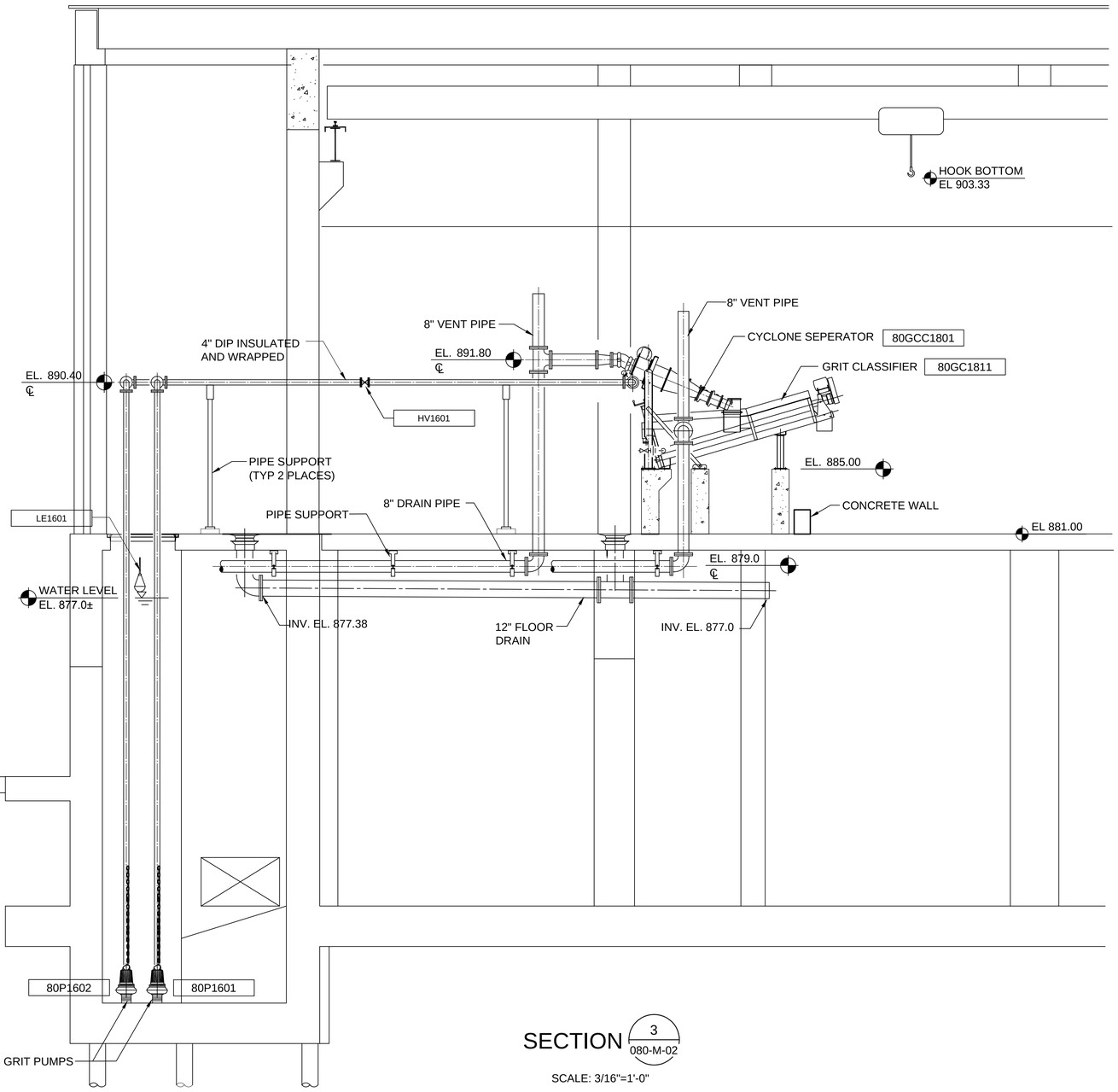
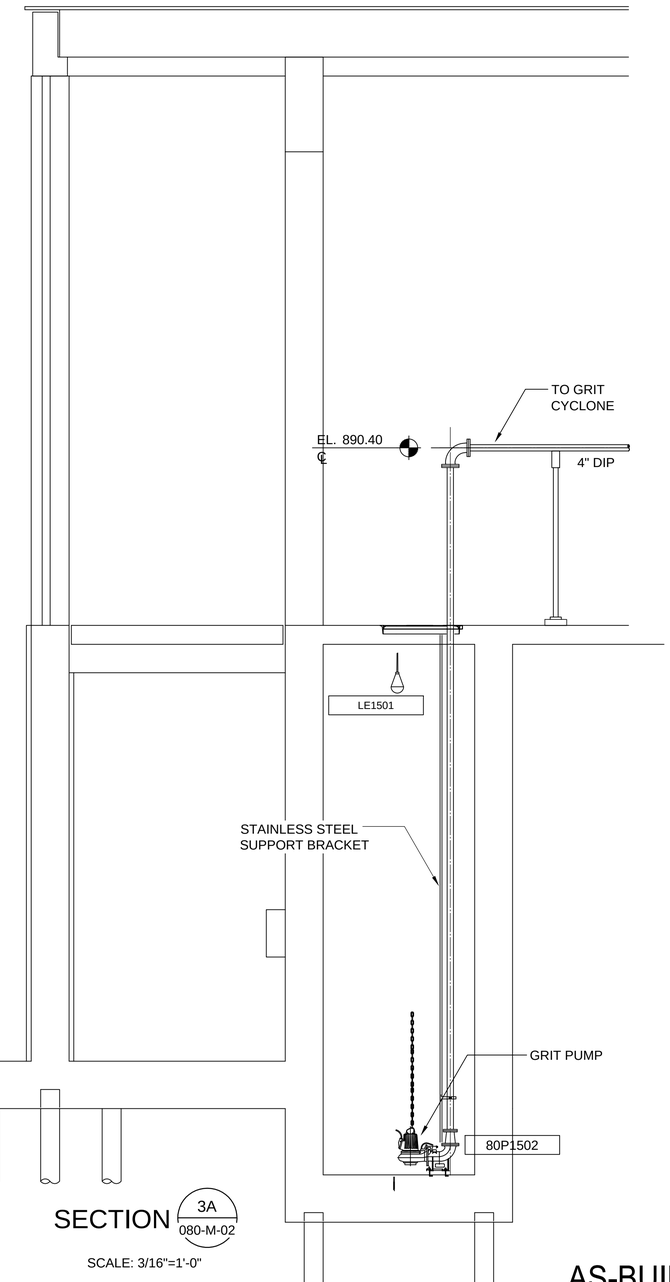
5-21-04



SECTION 3 / 080-M-02

SCALE: 3/16"=1'-0"



SECTION 3A / 080-M-02

SCALE: 3/16"=1'-0"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____
PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES
AT FULL SIZE
(IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: B SAWHNEY
DRAWN: R YOUNG
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE
AND DECHLORINATION FACILITY

DRUM SCREEN BUILDING SECTIONS

FILENAME
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 080-M-05
SHEET NUMBER OF

5-24-04

tcoleman
Aug 01, 2014 - 9:54am
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3

80P1501

80P1502

DRUM SCREEN BUILDING

4'-10"

SERVICE PLATFORM HANDRAIL(TYP)

4" SPRAY WATER HEADER PIPE

SPRAY WASH NOZZLES

SHAFT BEARING

DRUM SCREEN SHAFT ℄ EL 877.0

4" DIP INSULATED AND WRAPED ℄ 887.0 (TYP 2 PLACES)

HV1501

HV1502

25'-6"

EL. 889.0

MOTOR

GEAR UNIT SEE NOTE 1.

10'-11"

80DSN1121

GRIT CYCLONE

80GCC1701

80GC1711

GRIT CLASSIFIER

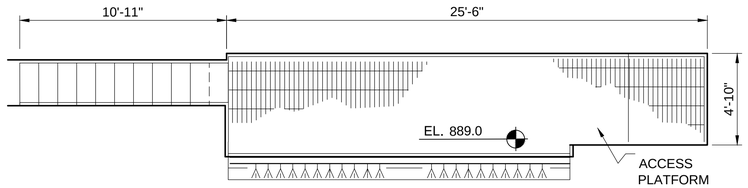
80SCN1131

80SCN1132

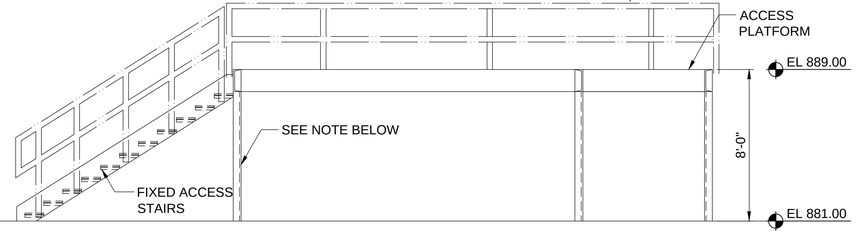
SEE NOTE 2

NOTES:

1. ROTATION DIRECTION FOR UNIT 80001 IS CLOCKWISE, 80002 IS COUNTER CLOCKWISE.
2. PROVIDE A FABRICATED CHUTE FOR DISCHARGE OF SCREENINGS OVER THE WALL. THE CHUTE TO BE FABRICATED OF 12 GAUGE 304 STAINLESS STEEL WITH ANGLE OR CHANNEL MEMBERS.



PLAN



NOTES:

FRAME & STRUCTURAL MEMBERS SHALL BE DESIGNED & SEALED BY A REGISTERED GA. PROFESSIONAL ENGINEER.

ELEVATION

ACCESS PLATFORM @ FF EL 889.00

SCALE:1/4"=1'-0"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: B SAWHNEY
DRAWN: R YOUNG
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

DRUM SCREEN BUILDING
PLATFORM LEVEL PLAN

FILENAME 24786-080-M-06
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 080-M-06
SHEET NUMBER OF

5-20-04

Aug 01, 2014 - 9:55am toolman
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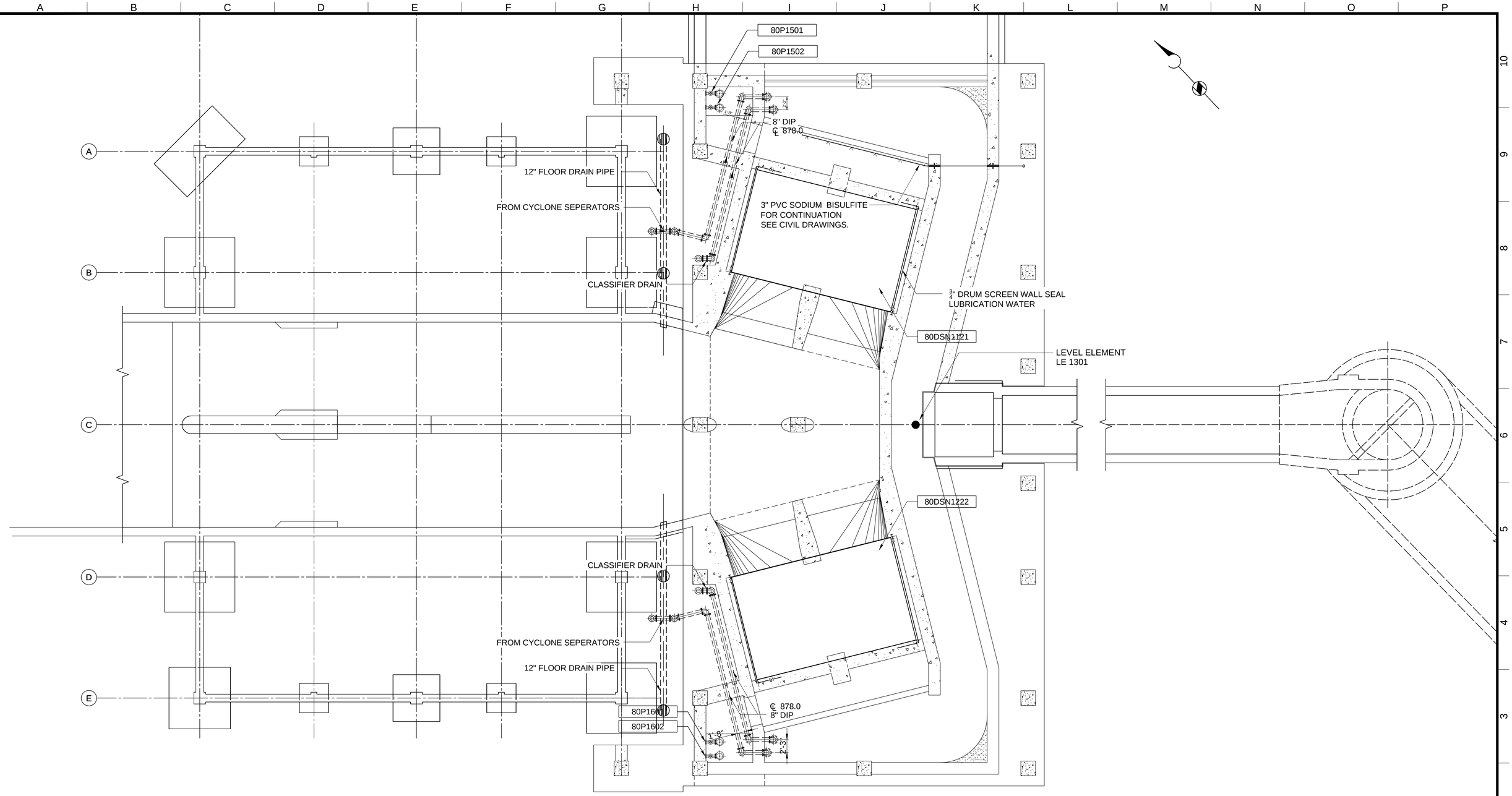

LOWER LEVEL PLAN @ EL 879.0

SCALE:1/8"=1'-0"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams–Russell and Johnson, Inc.

LINE IS 2 INCHES
AT FULL SIZE
(IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: B SAWHNEY
DRAWN: R YOUNG
CHECKED:
CHECKED:
APPROVED:

SUBMITTED: _____ DATE: _____
PROJECT MANAGER
APPROVED: _____ DATE: _____

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
		ADDENDUM #3		02/05	
	1	AS–BUILT DRAWING	AB	1–2009	

CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE
AND DECHLORINATION FACILITY

DRUM SCREEN BUILDING
LOWER LEVEL PLAN @ EL. 879.0

FILENAME 24786-080-M-07
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 080-M-07
SHEET NUMBER OF

tcoleman
Aug 01, 2014 - 9:56am
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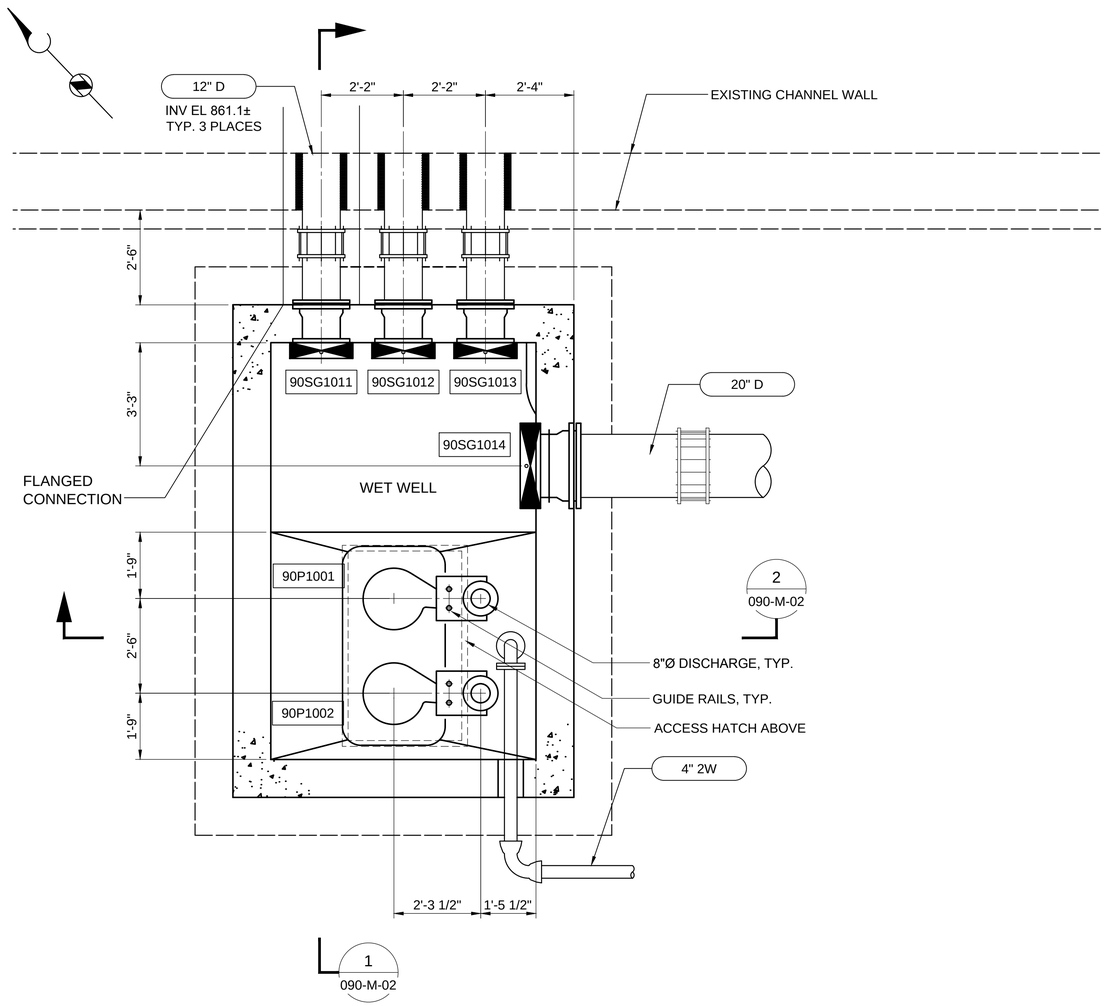
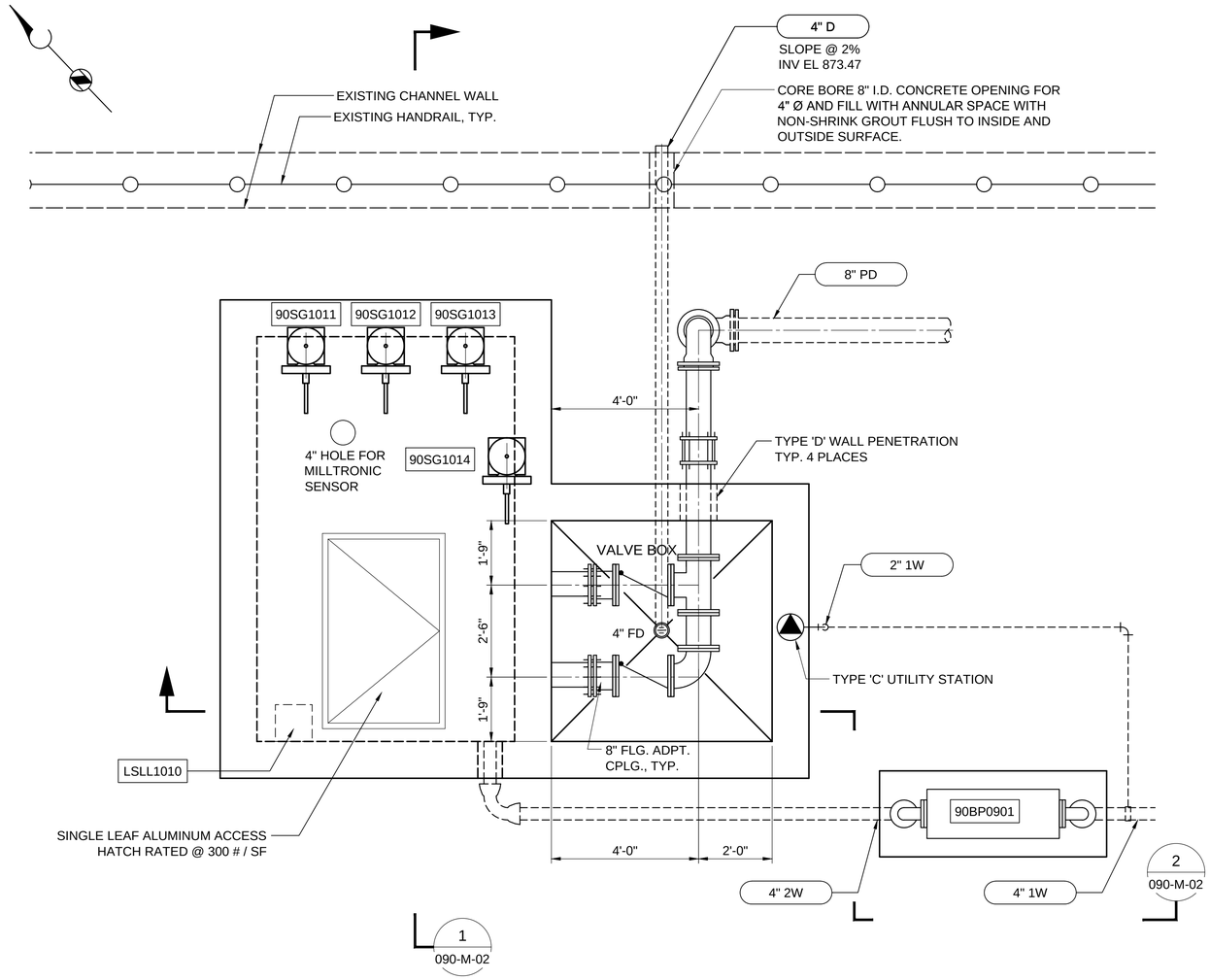
5-20-04



PLAN AT EL 870.00

SCALE: 1/2" = 1'-0"



PLAN AT EL 885.00

SCALE: 1/2" = 1'-0"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams–Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____
PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES
AT FULL SIZE
(IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: C LANGWORTHY
DRAWN: C LANGWORTHY
CHECKED: R POPE
CHECKED:
APPROVED: R POPE

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
	1	AS–BUILT DRAWING	AB	1–2009	

CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE
AND DECHLORINATION FACILITY

STORMWATER SUMP PUMPING STATION

PLANS

FILENAME: 24876-M-1201
FACILITY NUMBER: 36
CLIENT PROJECT NUMBER:
DRAWING NUMBER: 090-M-01
SHEET NUMBER: OF

10-27-04

Aug 01, 2014 - 9:09am
tcoleman
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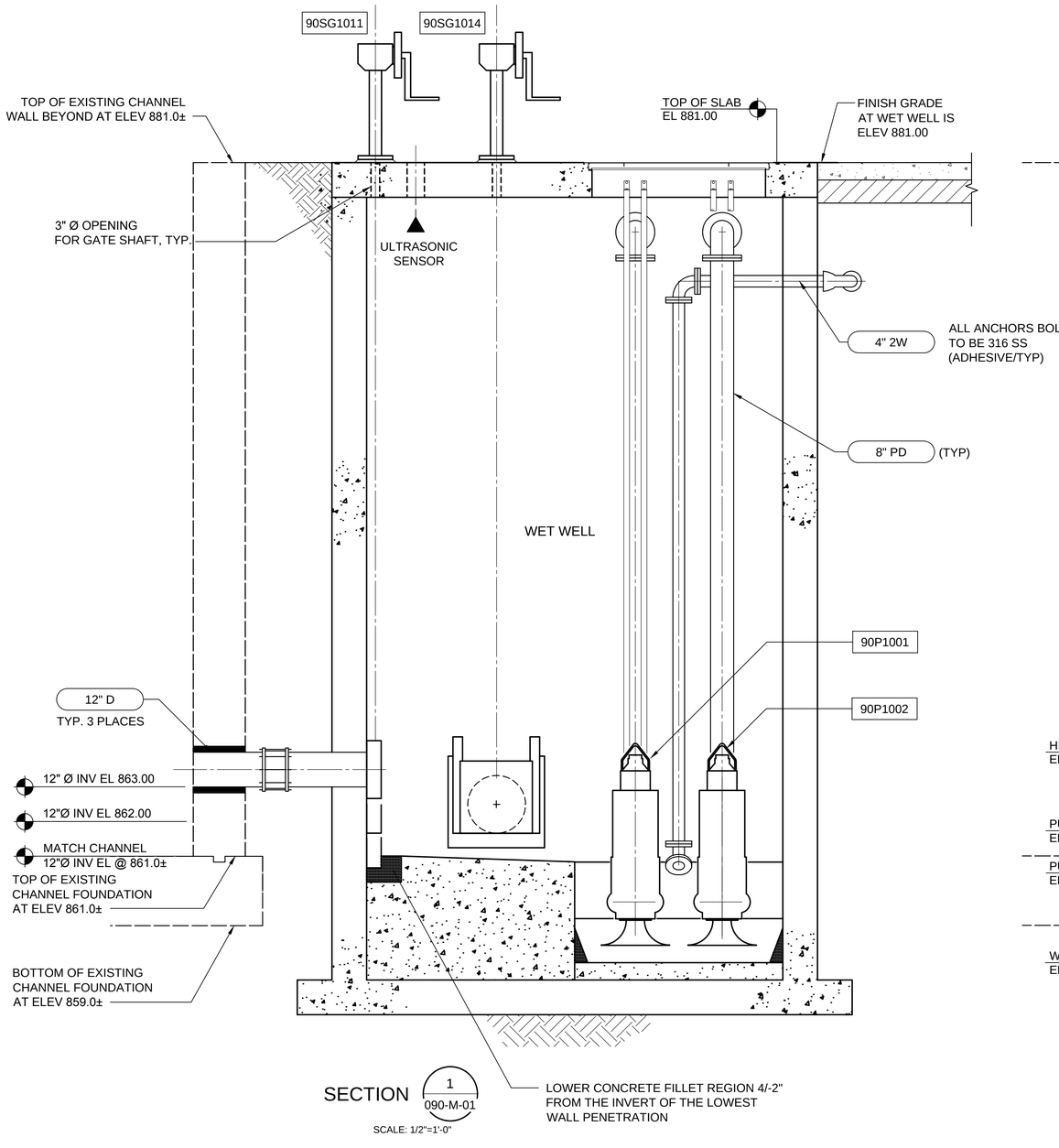
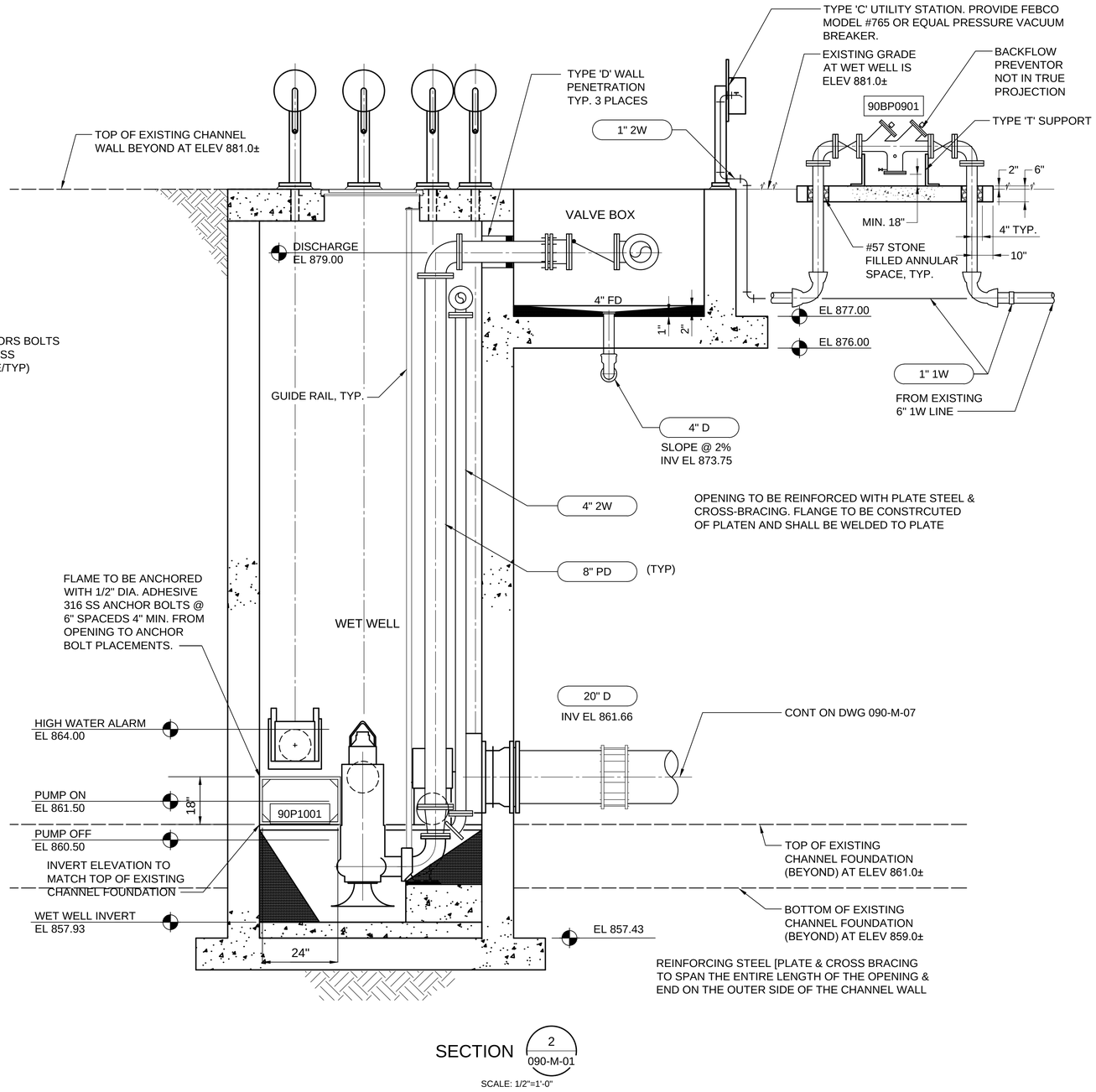


SECTION 1 / 090-M-01

SCALE: 1/2"=1'-0"



SECTION 2 / 090-M-01

SCALE: 1/2"=1'-0"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ (PROJECT MANAGER)

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: C LANGWORTHY
DRAWN: C LANGWORTHY
CHECKED: R POPE
CHECKED:
APPROVED: R POPE

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

STORMWATER SUMP PUMPING STATION MODIFICATIONS

FILENAME: 24876-M-1201
FACILITY NUMBER: 36
CLIENT PROJECT NUMBER:
DRAWING NUMBER: 090-M-02
SHEET NUMBER: OF

10-27-04

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Aug 01, 2014 - 9:10am
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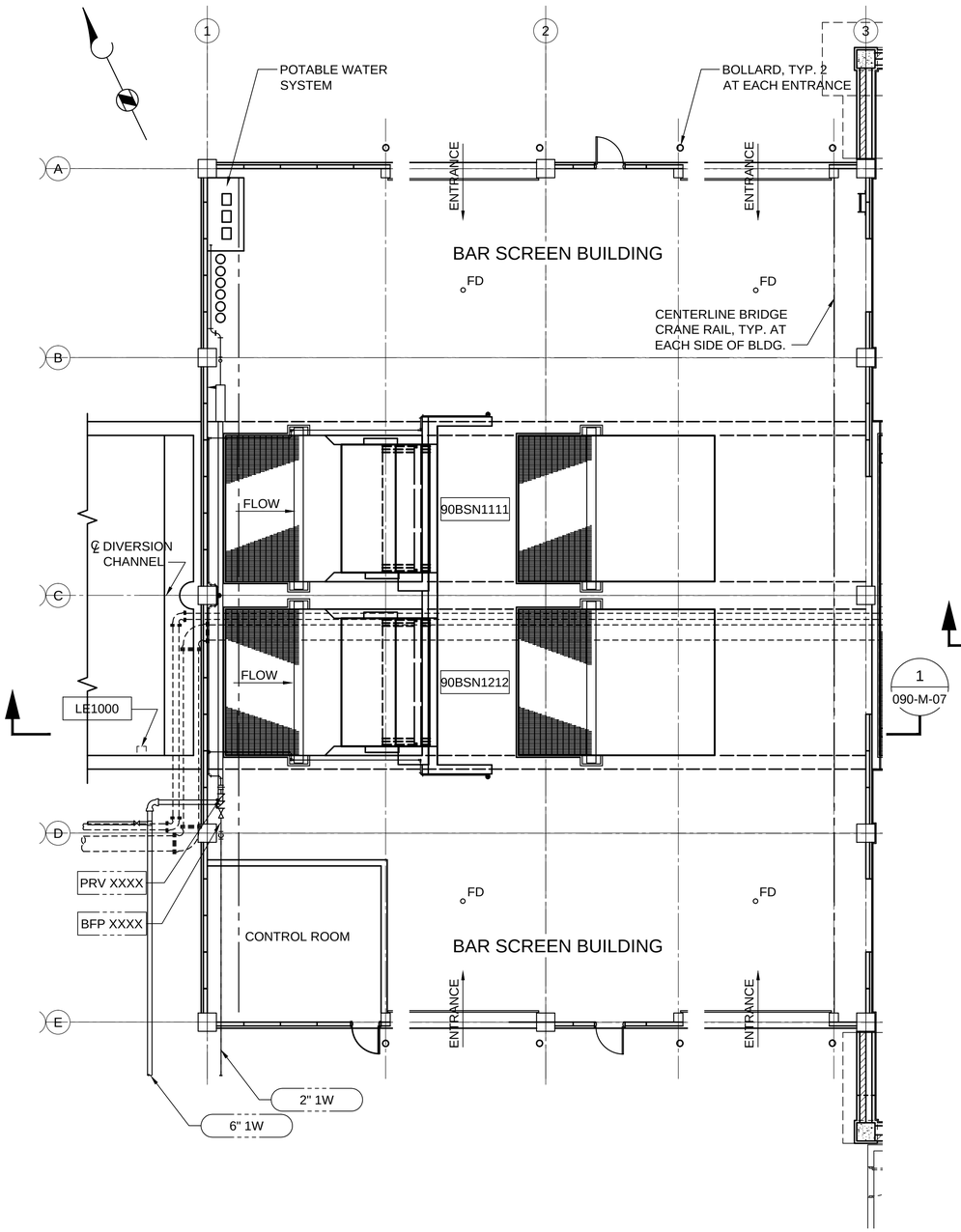
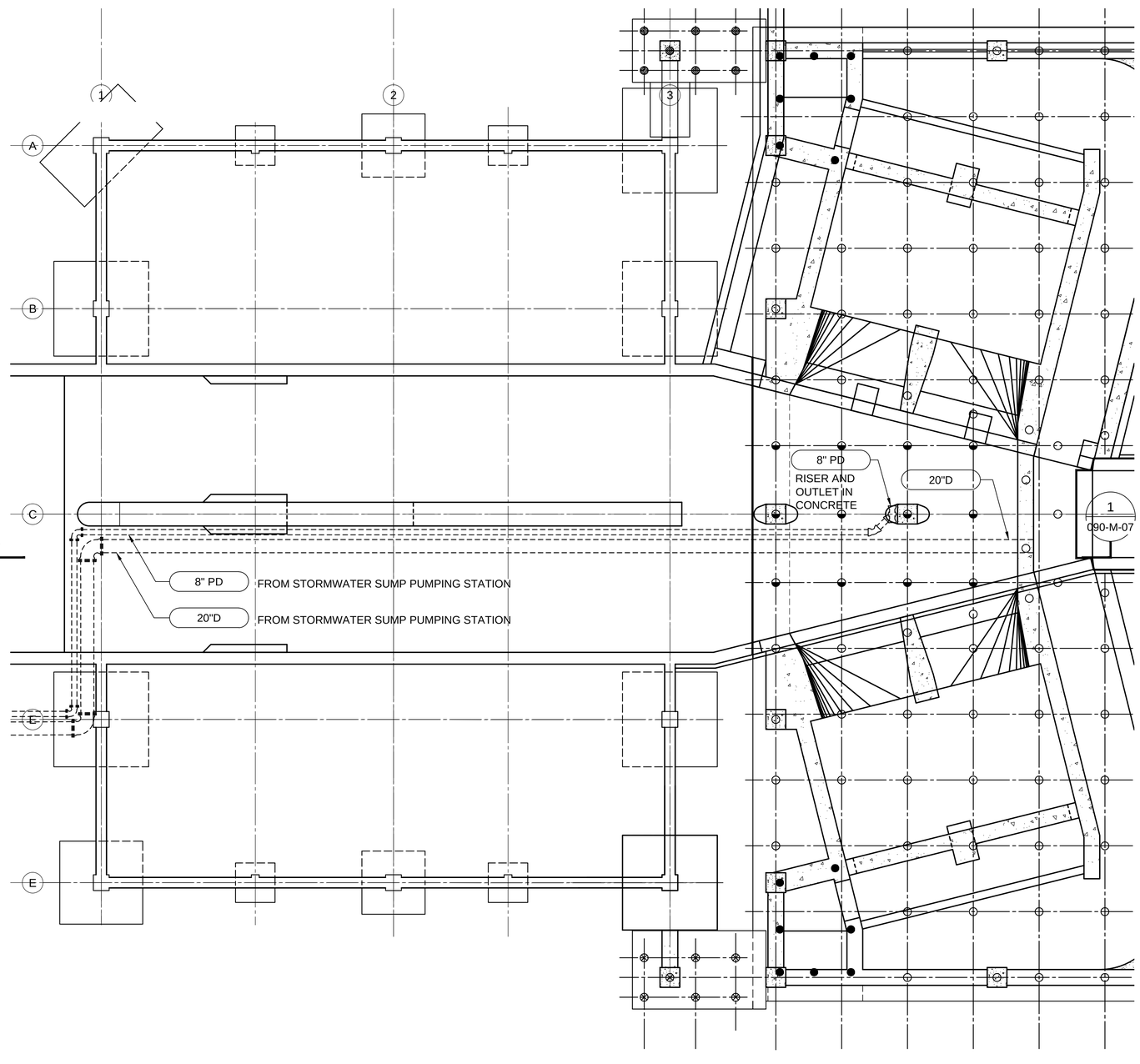


UPPER PLAN

SCALE: 1/8"=1'-0"



LOWER PLAN

SCALE: 1/8"=1'-0"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____
PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: R POPE
DRAWN: C LANGWORTHY
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

BAR SCREEN BUILDING

GENERAL EQUIPMENT ARRANGEMENT

FILENAME	24876-M-1311
FACILITY NUMBER	36
CLIENT PROJECT NUMBER	
DRAWING NUMBER	090-M-05
SHEET NUMBER	OF

10-27-04

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Aug 01, 2014 - 9:11am
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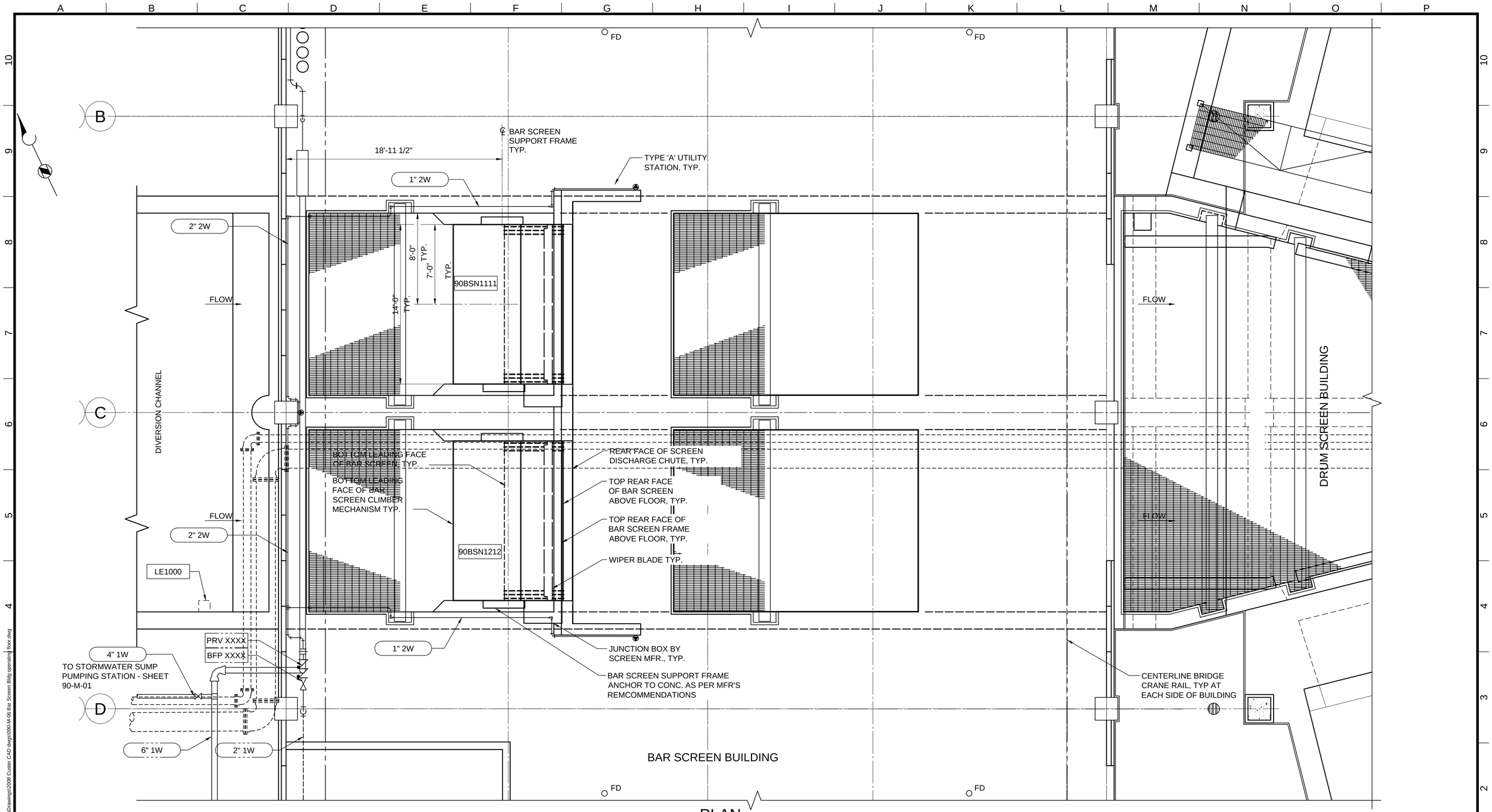

PLAN

1/4"=1'-0"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

LINE IS 2 INCHES
AT FULL SIZE
(IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: R POPE
DRAWN: C LANGWORTHY
CHECKED:
CHECKED:
APPROVED:

SUBMITTED: _____ DATE: _____
PROJECT MANAGER

APPROVED: _____ DATE: _____

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE
AND DECHLORINATION FACILITY

BAR SCREEN BUILDING

OPERATING FLOOR

FILENAME	24876-M-1322
FACILITY NUMBER	36
CLIENT PROJECT NUMBER	
DRAWING NUMBER	090-M-06
SHEET NUMBER	OF

10-27-04

tolleman
Aug 01, 2014 - 9:14am
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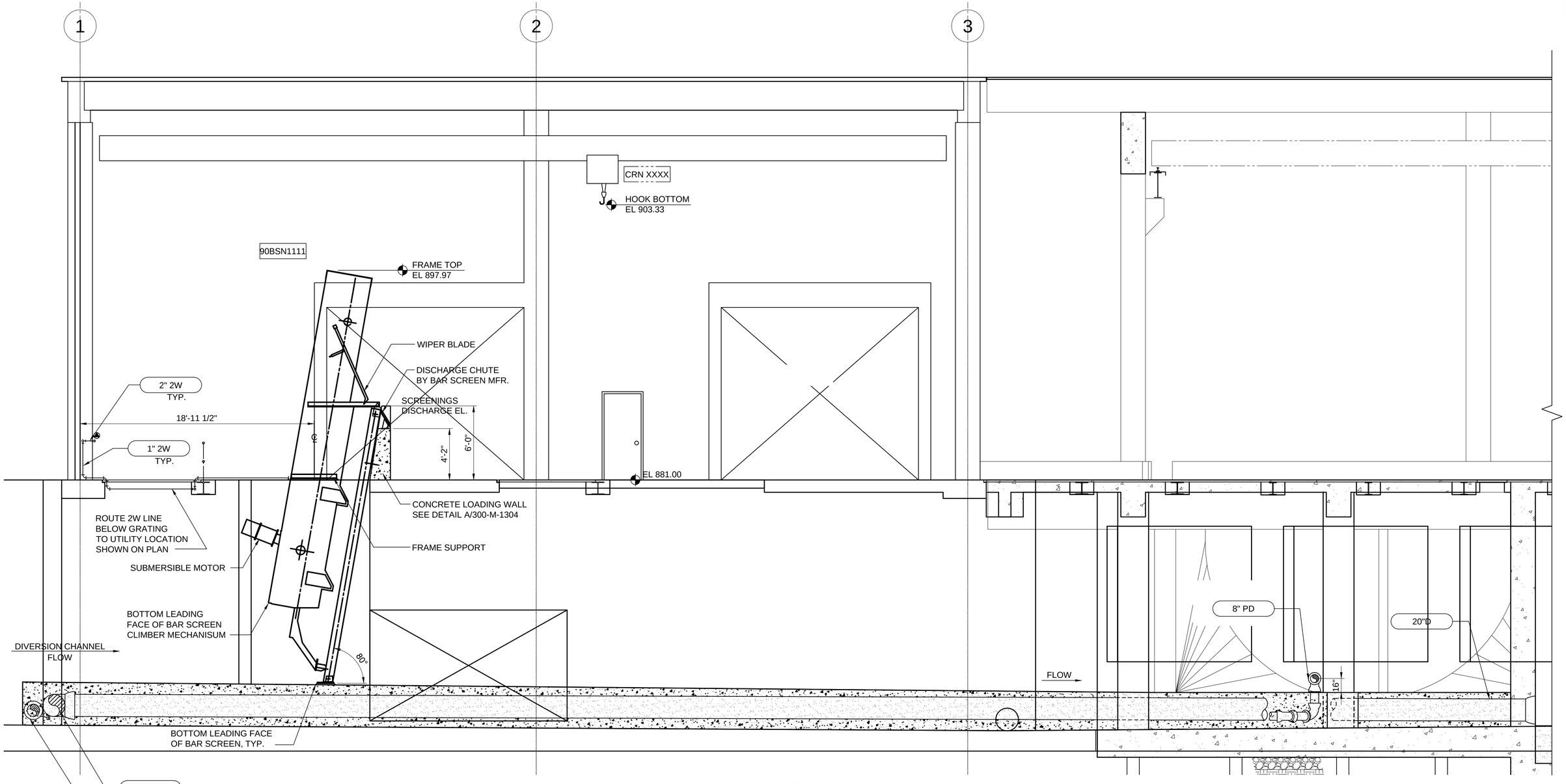

SECTION 1 / 90-M-05

SCALE: 1/4"=1'-0"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____
PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: R POPE
DRAWN: C LANGWORTHY
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF
WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE
AND DECHLORINATION FACILITY

BAR SCREEN BUILDING

SECTION

FILENAME 24876-M-1323
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 090-M-07
SHEET NUMBER OF

tcoleman
Aug 01, 2014 - 9:14am
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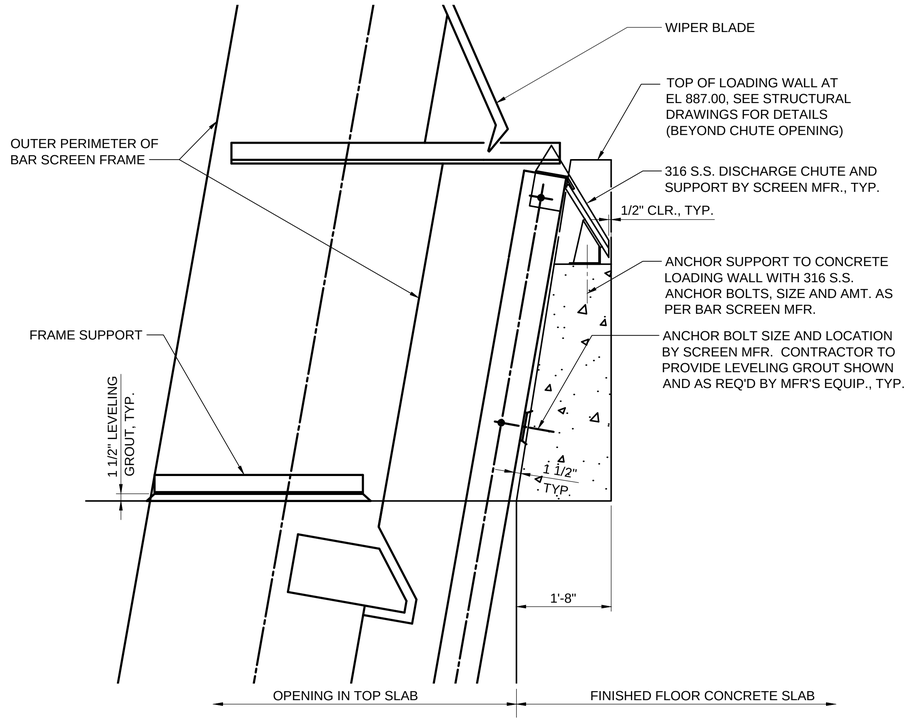
10-27-04



DETAIL A / 90-M-07

3/4"=1'-0"

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.	LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)	EXTERNAL REFERENCE FILES
SUBMITTED: _____ PROJECT MANAGER DATE: _____	DESIGNED: R POPE	
APPROVED: _____ DATE: _____	DRAWN: C LANGWORTHY	
	CHECKED: R POPE	
	CHECKED:	
	APPROVED:	

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

BAR SCREEN BUILDING

DETAILS

FILENAME	24876-M-1324
FACILITY NUMBER	36
CLIENT PROJECT NUMBER	
DRAWING NUMBER	090-M-08
SHEET NUMBER	OF

10-27-04

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Aug 01, 2014 - 9:15am
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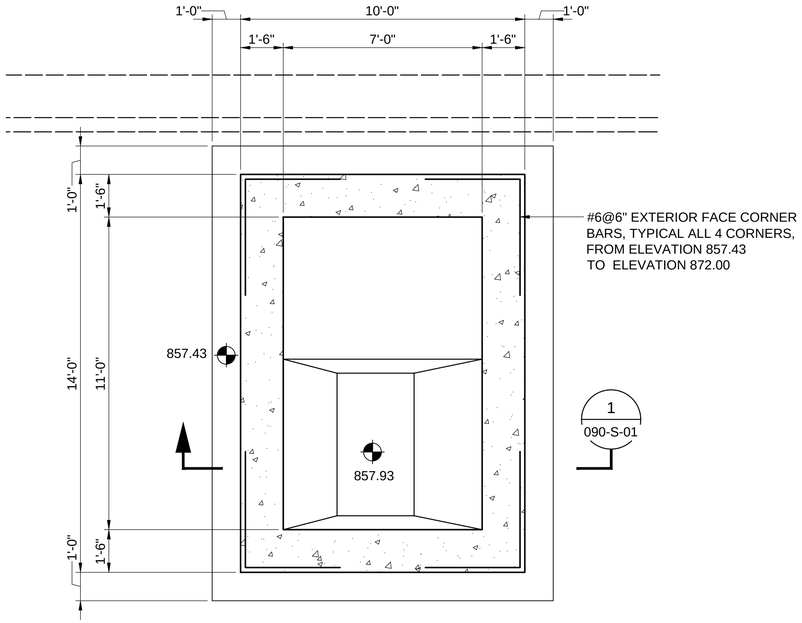
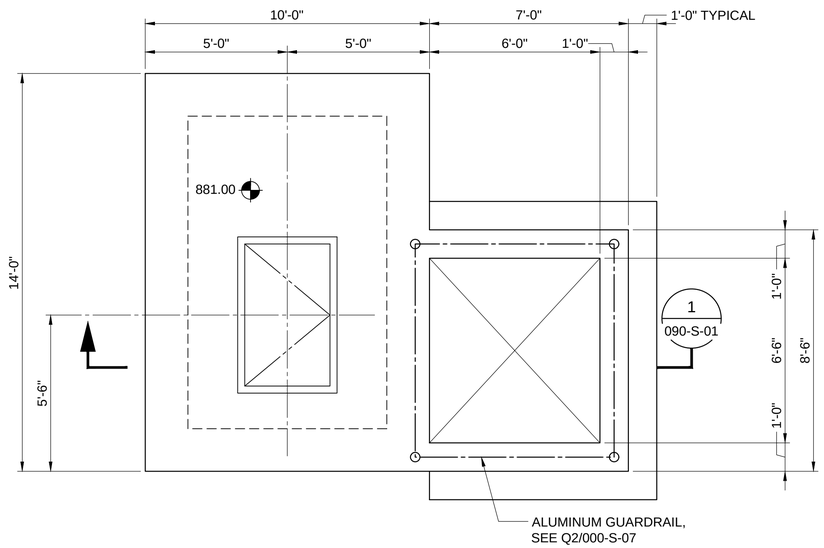


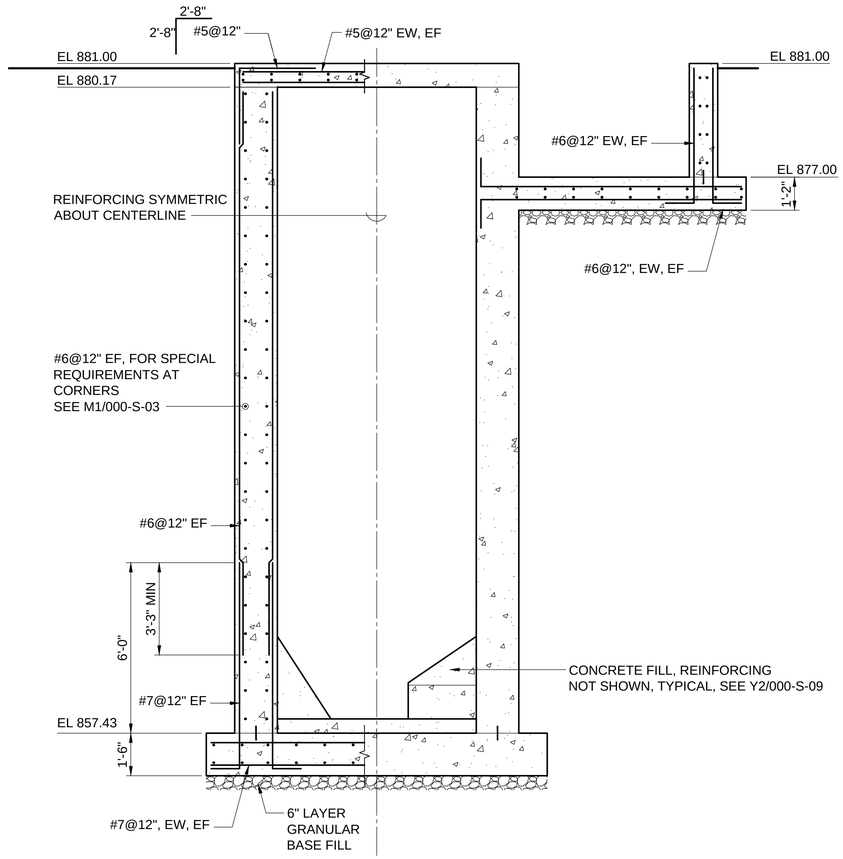
LOWER LEVEL PLAN

SCALE: 3/8" = 1'-0"



UPPER LEVEL PLAN

SCALE: 3/8" = 1'-0"

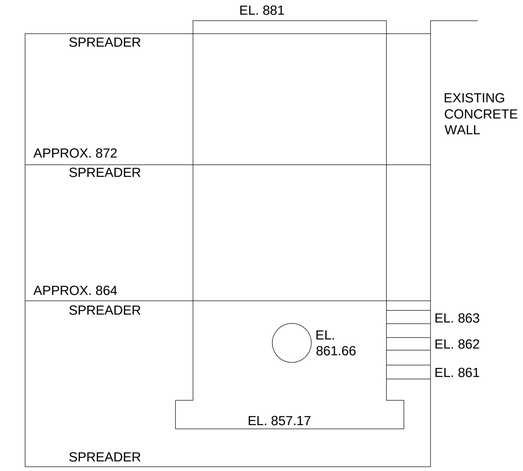


NOTE:

PROVIDE ADDITIONAL REINFORCING AT ALL SLAB AND WALL OPENINGS PER DETAIL 91/000-S-03

SECTION 1 / 090-S-01

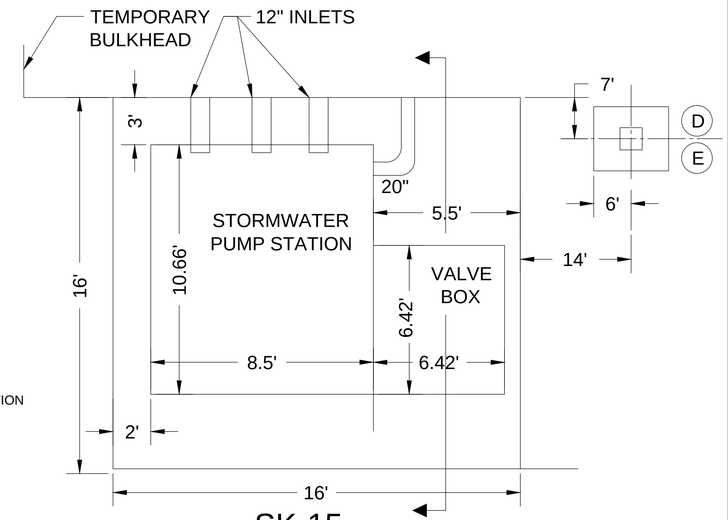
SCALE: 3/8"=1'-0"



SK-16

STORMWATER PUMP STATION LOCATION SIDE VIEW

NOT TO SCALE



SK-15

STORMWATER PUMP STATION LOCATION PLAN VIEW

NOT TO SCALE

CONSTRUCTION SEQUENCE

1. EXCAVATE THE STORM WATER PUMP STATION
2. INSTALL SHORING BOX
3. INSTALL STORM WATER PUPM STATION
4. INSTALL ALL PIPE BELOW ELEVATION 864'
5. BACKFILL SHORING BOX UP THE BOTTOM OF VALVE BOX
6. REMOVE SHROING BOX
7. INSTALL VALVE BOX
8. INSTALL ALL REMAINING PIPE
9. BACKFILL TO ELEVATION 881'

NOTE: ALL PRECAST DIMENSIONS ARE OUTSIDE TO OUTSIDE

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____ (PROJECT MANAGER)

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: K RHEA
DRAWN: K RHEA
CHECKED: N MIRAI
CHECKED: N MIRAI
APPROVED: R POPE

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
-	-	ISSUED FOR BID	-	10/04	-
	1	AS-BUILT DRAWING	AB	1-2005	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

PUMP STATION

PLAN AND SECTIONS

FILENAME 24876-S-1901
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER 090-S-01
SHEET NUMBER OF

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tcoleman
Aug 01, 2014 - 9:07am
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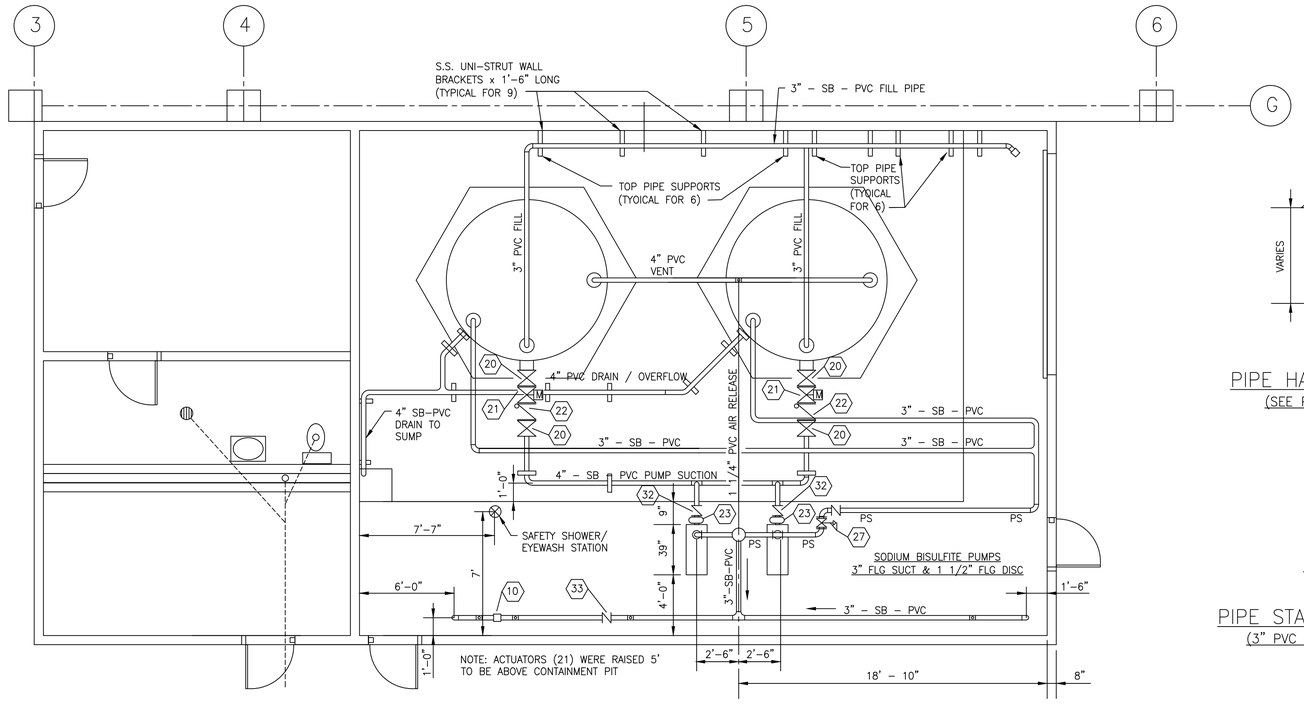
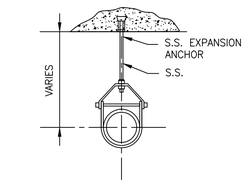
07-16-04



DECHLORINATION BUILDING PLAN

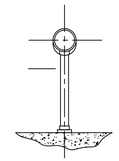
NOT TO SCALE



PIPE HANGER SYMBOL = X

(SEE PIPE HANGER SCHEDULE*)

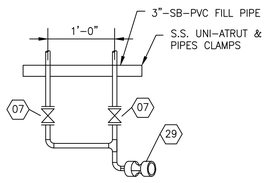
NOT TO SCALE



PIPE STAND – SYMBOL = PS

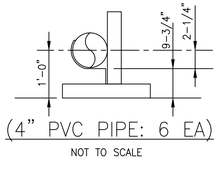
(3" PVC PIPE x 8'-9" TO ℄ : 4 EA)

NOT TO SCALE



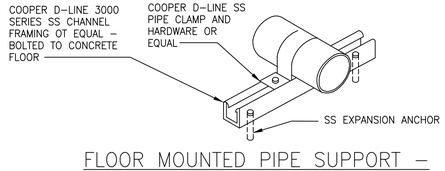
SECTION E-E TRUCK FILL DETAIL

NOT TO SCALE



(4" PVC PIPE: 6 EA)

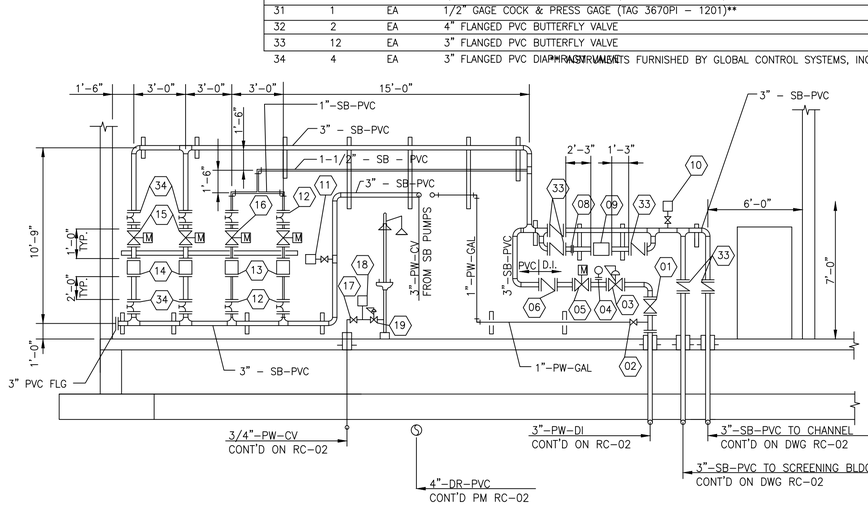
NOT TO SCALE

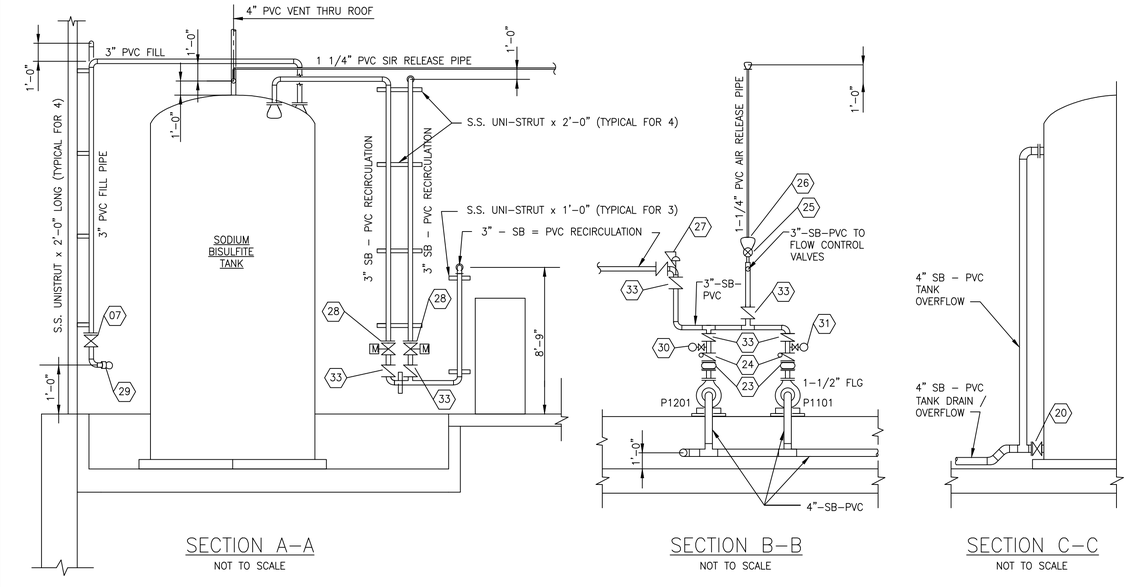


FLOOR MOUNTED PIPE SUPPORT – SYMBOL []

(4" PVC PIPE: 8 EA)

NOT TO SCALE





SECTION A-A

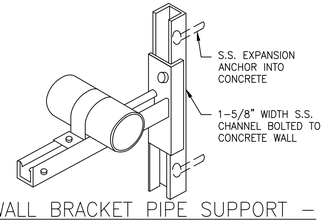
NOT TO SCALE

SECTION B-B

NOT TO SCALE

SECTION C-C

NOT TO SCALE



WALL BRACKET PIPE SUPPORT – SYMBOL ⊔

(3" PVC PIPE: 48 EA, 3" DIP: 1 EA, 1-1/2" PVC: 4 EA
1"PVC PIPE: 5 EA)

NOT TO SCALE

BILL OF MATERIALS

MK#	QTY.	UNIT	DSESCRIPTION
			DECHLORINATION BUILDING VALAVES & IN-LINE INSTRUMENTS
01	1	EA	3"FLANGED IRON BODY GATE VALVE (SPEC 165101:V110)
02	1	EA	1" BRONZE SCREWED GATE VALVE (SPEC 15101:V102)
03	1	EA	3" FLANGED PRESS REDUCING VALVE (SPEC 15101: TAG 36PVC2101)
04	1	EA	1/2" GAGE COCK & PRESS GAGE (TAG 3670PI-2101)**
05	1	EA	3" FLANGED GLOBE CONTROL VALVE (SPEC 15101: TAG 36CV2101)
06	1	EA	3" FLANGED PVC CHECK VALAVE (SPEC 15101:V608)
07	2	EA	3" FLANGED PVC GATE VALVE
08	1	EA	3" SCH 80 PVC SOLVENT WELD UNION
09	1	EA	3" WAFER STYLE MAGNETIC FLOWMETER (TAG FE/FIT-2102)**
10	1	EA	1/2" GAGE COCK & PRESS TRANSMITTER (TAG 3670PE/PIT-2102)
11	1	EA	1/2" GAGE COCK & PRESS TRANSMITTER (TAG 3670PE/PIT-2101)** OFFSITE
12	4	EA	1 1/2" FLANGED PVC DIAPHRAGM VALVE
13	2	EA	1" WAFER STYLE MAGNETIC FLOWMETERS (TAG FE-2201 & FE-2202)**
14	2	EA	3" WAFER STYLE MAGNETIC FLOWMETERS (TAG FE/FIT-2203 & 2204)**
15	2	EA	2" FLANGED GLOBE CONTROL VALVE (SPEC 15101: TAG 36CV2203 & 36CV2204)
16	2	EA	1' FLANGED GLOBE CONTROL VALVE (SPEC 15101: TAG 36CV2201 & 36CV2202)
17	1	EA	3/4" BRONZE SCREWED GATE VALVE (SPEC 15101:V102)
18	1	EA	3/4" FLOWSWITCH (TAG FSH 2105)**
19	1	EA	3/4" BRONZE SCREWED PRESS REDUCING VALVE (TAG PRV 2105)
20	6	EA	4" FLANGED PVC GATE VALVE
21	2	EA	4" WAFER STYLE EMO BUTTERFLY VALVE (SPEC 15101: TAG 36CV0101 & 0201)
22	2	EA	4" FLANGED PVC SWING CHECK VALVE
23	4	EA	3" FLANGED S.S. BELLOWS EXPANSION JOINT (SPEC 15060, PAGE 13)
24	2	EA	3" FLANGED PVC SWING CHECK VALVE
25	1	EA	1 1/4" DUAL UNION SOLVENT WELD SCH 80 PVC BALL VALVE (SPEC 15101: V301)
26	1	EA	1 1/4" PVC COMB AIR/VACUUM RELEASE VALVE (SPEC 15101, PARA 2.15)
27	1	EA	3" FLANGED PRESS REDUCING VALVE (DWG D136.105: TAG PCV1301)
28	2	EA	3" WAFER STYLE EMO BUTTERFLY VALVE (SPEC 15101: TAG 36CV0102 & 0202)
29	1	EA	3" 316 S.S. DRY DISCONNECT W/CAP DIXON VALVE & COUPLING OR EQ.
30	1	EA	1/2" GAGE COCK & PRESS GAGE (TAG 3670PI - 1101)**
31	1	EA	1/2" GAGE COCK & PRESS GAGE (TAG 3670PI - 1201)**
32	2	EA	4" FLANGED PVC BUTTERFLY VALVE
33	12	EA	3" FLANGED PVC BUTTERFLY VALVE
34	4	EA	3" FLANGED PVC DIAPHRAGM VALVE

** INSTRUMENTS FURNISHED BY GLOBAL CONTROL SYSTEMS, INC.

* PIPE HANGER SCHEDULE

4" PVC PIPE x 11'-0" TO ℄ : 2 EA

3" PVC PIPE x 11'-0" TO ℄: 12 EA

3" PVC PIPE x 10'-0" TO ℄: 2 EA

3" PVC PIPE x 9'-0" TO ℄: 2 EA

1-1/4" PVC PIPE x 10'-6" TO ℄ 5 EA

NOTE:
ALL PVC PIPE TO BE SCH 80 PVC PIPE - SOLVENT WELD

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams-Russell and Johnson, Inc.

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: AEF
DRAWN: RJC/JGN
CHECKED:
CHECKED:
APPROVED:

SUBMITTED: _____ DATE: _____ (PROJECT MANAGER)
APPROVED: _____ DATE: _____

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

DECHLORINATION INSIDE PIPE PLAN

FILENAME: 24876-M-1306
FACILITY NUMBER: 36
CLIENT PROJECT NUMBER:
DRAWING NUMBER: SK18
SHEET NUMBER: OF

SKETCH 18.tif
tcoleman
Aug 01, 2014 - 10:05pm
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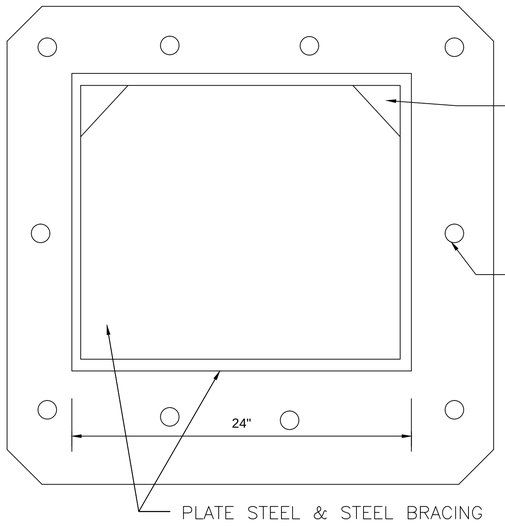
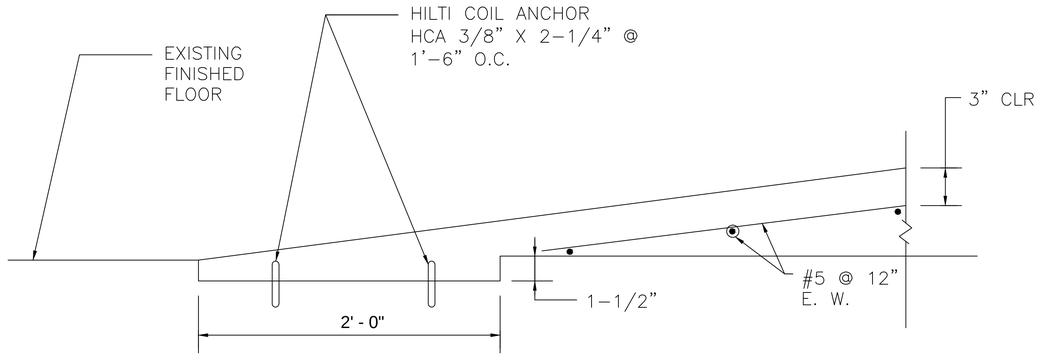
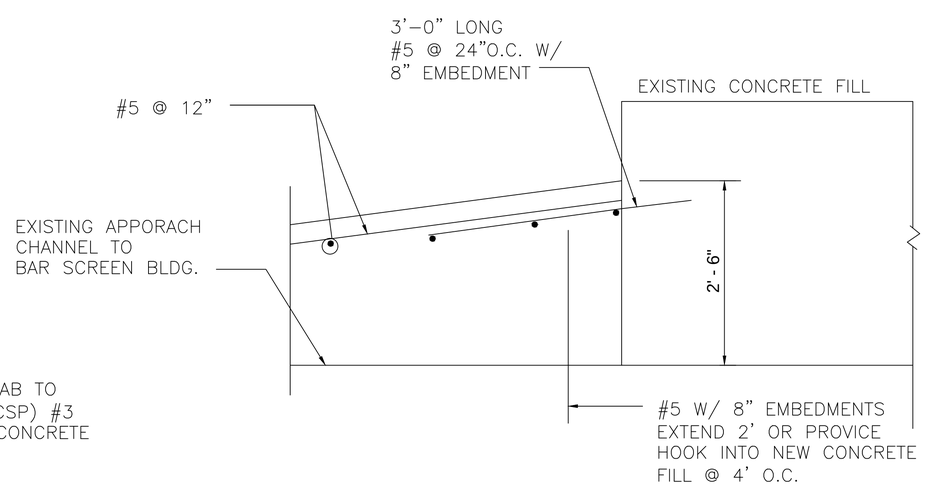
10-27-04



1. CONSTANT ELEVATION OF ± 2'–6" ABOVE FINISHED FLOOR ELEVATION OF THE CHANNEL
2. APPROXIMATE ELEVATION OF ± 1" ABOVE INVERT OF HE LOWEST PIPE.



A — A



– PREPARE EXISTING CHANNEL SLAB TO CONCRETE SURFACE PROFILE (CSP) #3 ACCORDING TO INTERNATIONAL CONCRETE REPAIR INST.

– APPLY SIKP ARMATEC 110 OR EQUAL AS BONDING AGENT TO EXISTING CONCRETE AND REINF.

B — B

AS-BUILT

PARSONS BRINCKERHOFF / BROWN AND CALDWELL / Williams–Russell and Johnson, Inc.

SUBMITTED: _____ DATE: _____
PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED:
DRAWN:
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS–BUILT DRAWING	AB	1–2005	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

STORMWATER PUMP STATION MODIFICATIONS

FILENAME 24876-M-1306
FACILITY NUMBER 36
CLIENT PROJECT NUMBER
DRAWING NUMBER SK-21
SHEET NUMBER OF

10-27-04

Aug 01, 2014 - 9:08am
tcoleman
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INSTRUMENT IDENTIFICATION

INSTRUMENT SOCIETY OF AMERICA TABLE

LETTER	FIRST LETTER(S)		SUCCEEDING LETTERS		
	PROCESS OR INITIATING VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER
A	ANALYSIS(*)		ALARM		
B	BURNER, COMBUSTION				
C	CONDUCTIVITY			CONTROL	
D	DENSITY(S.G.)	DIFFERENTIAL			
E	VOLTAGE		PRIMARY ELEMENT		
F	FLOW RATE	RATIO			
G	GAUGE		GLASS	GATE	
H	MANUAL				HIGH
I	CURRENT		INDICATE		
J	POWER	SCAN			
K	TIME OR TIME-SCHEDULE	TIME RATE OF CHANGE		CONTROL STATION	
L	LEVEL		LIGHT		LOW
M	MOTION	MOMENTARY			MIDDLE
N					
O	OVERLOAD		ORIFICE, RESTRICTION		
P	PRESSURE (OR VACUUM)		POINT (TEST CONNECTION)		
Q	QUANTITY(*)		INTEGRATE, TOTALIZE		
R	RADIATION		RECORD		
S	SPEED OR FREQUENCY	SAFETY		SWITCH	
T	TEMPERATURE			TRANSMIT	
U	MULTIVARIABLE(*)		MULTIFUNCTION(*)	MULTIFUNCTION(*)	MULTIFUNCTION(*)
V	VIBRATION			VALVE OR DAMPER	
W	WEIGHT OR FORCE		WELL		
X	UNCLASSIFIED(*)	X AXIS			
Y	EVENT, STATE OR PRESENCE	Y AYIS		RELAY OR COMPUTE(*)	
Z	POSITION, DIMENSION	Z AZIS		DRIVE. ACTUATE OR UNCLASSIFIED FINAL CONTROL ELEMENT.	

(*) WHEN USED, EXPLANATION IS SHOWN ADJACENT TO INSTRUMENT SYMBOL. SEE ABBREVIATIONS AND LETTER SYMBOLS.

INSTRUMENT SYMBOLS

ES
FIT — FIELD MOUNTED INSTRUMENT POWER SOURCE REQUIRED

FI — FRONT-OF-PANEL MOUNTED INSTRUMENT

FY — REAR-OF-PANEL MOUNTED INSTRUMENT

HOA — MOTOR CONTROL CENTER MOUNTED INSTRUMENT

PROGRAMMABLE LOGIC CONTROLLER INPUT/OUTPUT

OR — PLC LOGIC FUNCTION

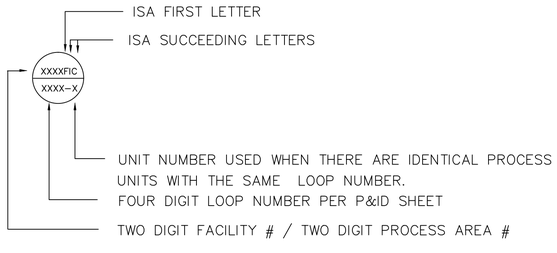
FIC — PLC PROGRAMMED FUNCTION OPERATOR ACCESSIBLE THRU DEDICATED DISPLAY

LSH — PLC PROGRAMMED FUNCTION SETPOINT OPERATOR ACCESSIBLE THRU DEDICATED DISPLAY

** LCP — LOCAL CONTROL PANEL SUPPLIED WITH VENDOR EQUIPMENT PACKAGE. NOT SUPPLIED UNDER DIVISION 13.

JB — JUNCTION BOX

IS — INTRINSIC SAFETY BARRIER



LINE CODES

- ELECTRICAL
- A — ANALOG SIGNAL
- PROCESS OR MECH.
- EXISTING
- PNEUMATIC/PROCESS AIR
- CAPILLARY
- SONIC OR R.F.
- NO CONNECTION
- CONNECTIONS
- SOFTWARE OR DATA LINK
- HYDRAULIC
- TELEPHONE
- H — H — HEAT TRACE

TRANSDUCERS

A	ANALOG
D	DIGITAL
E	VOLTAGE
F	FREQUENCY
H	HYDRAULIC
I	CURRENT
P	PNEUMATIC
PF	PULSE FREQUENCY
R	RESISTANCE

I/P
FY — CURRENT TO PNEUMATIC TRANSDUCER (BACK OF PANEL, IN FLOW LOOP)

GENERAL NOTES

1. COMPONENTS AND PANELS SHOWN WITH A DOUBLE ASTERISK (**) ARE TO BE PROVIDED AS PART OF A PACKAGED SYSTEM.
2. COMPONENTS AND PANELS SHOWN WITH A (◆) ARE TO BE PROVIDED UNDER DIVISION 13, INSTRUMENTATION AND CONTROLS.
3. THIS IS A STANDARD LEGEND. THEREFORE, NOT ALL OF THIS INFORMATION MAY BE USED ON THIS PROJECT.
4. EQUIPMENT RUN LIGHTS LOCATED IN THE FIELD SHALL BE PROVIDED FOR ALL EQUIPMENT AS SHOWN ON THE ELECTRICAL SCHEMATICS.
5. LOGIC FUCTIONS SHOWN WITH A (▲) ARE TO BE MONITORED BY THE CENTRAL CONTROL AND MONITORING SYSTEM (CCM).

ABBREVIATIONS & LETTER SYMBOLS

HAND SWITCH NOTATION

AM	AUTO-MANUAL
C/L	COMPUTER-LOCAL
DS	DUTY-STANDBY
FOS	FAST-OFF-SLOW
FSOA	FAST-OFF-SLOW-AUTO
FSOR	FAST-OFF-SLOW-REMOTE
FOR	FORWARD-OFF-REVERSE
HOA	HAND-OFF-AUTO
HOR	HAND-OFF-REMOTE
LOS	LOCKOUT STOP
LR	LOCAL REMOTE
MA	MANUAL-AUTO
OC	OPEN-CLOSE
ORC	OPEN-REMOTE-CLOSE
OAC	OPEN-AUTO-CLOSE
OSC	OPEN-STOP-CLOSE
OO	ON-OFF
OOA	ON-OFF-AUTO
OOR	ON-OFF-REMOTE
PB	PUSHBUTTON
SF	SLOWER-FASTER
SS	START-STOP

CONTROLLER NOTATION

PV = PROCESS VARIABLE INPUT
SP = SET POINT INPUT
RSP = REMOTE SET POINT
DI = DISCRETE INPUT
DO = DISCRETE OUTPUT
AI = ANALOG INPUT
AO = ANALOG OUTPUT
I/O = INPUT/OUTPUT

ANALYTICAL FUNCTIONS

pH = pH
DO = DISSOLVED OXYGEN
O2 = OXYGEN
H2S = HYDROGEN SULFIDE
ORP = OXIDATION REDUCTION POTENTIAL

STATUS INDICATORS (YL,YA)

A = AUTO
C = CLOSED
F = FAILED
FOR = FORWARD
H = HIGH
HH = HIGH,HIGH
L = LOW
LL = LOW, LOW
M = MEDIUM
O = OPEN
OL = OVERLOAD
R = RUNNING
REV = REVERSE
RM = REMOTE

EQUIPMENT NOTATION

S = SUMP
T = TANK OR SUMP
P = PUMP
B = AIR BLOWER
C = COMPRESSOR
MX = MECHANICAL MIXER
M = MOTOR
BFP = BELT FILTER PRESS
AZ = AUTOMATIC SAMPLER
CP-X = CONTROL PANEL NO. X
FP-P-Y = FIELD PANEL
P = PID SHEET NUMBER
Y = FIELD PANEL NUMBER ON SHEET
MCC = MOTOR CONTROL CENTER

AS-BUILT

WWETCO, LLC — Wet Weather Engineering & Technology / PARSONS 5395 Triangle Parkway, Suite 100, Norcross, GA 30092, (770) 446-4900

SUBMITTED: _____ DATE: _____ PROJECT MANAGER
APPROVED: _____ DATE: _____

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DRAWN: BH
CHECKED:
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APPROVED:

EXTERNAL REFERENCE FILES

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	1	AS-BUILT DRAWING	AB	1-2009	
		ISSUE FOR BID	JTS	11/04/04	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

CUSTER AVE.
PROCESS AND INSTRUMENTATION DIAGRAM
INSTRUMENTATION LEGEND

FILENAME	
PROJECT NUMBER	
CLIENT PROJECT NUMBER	
DRAWING NUMBER	DI36.101
SHEET NUMBER	OF

Aug 01, 2014 - 9:32am
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VALVES

- DIAPHRAGM
- GATE
- BUTTERFLY
- BALL OR ROTARY
- GLOBE
- PLUG (ECCENTRIC TYPE)
- CHECK (FLOW -->)
- PINCH
- PNEUMATIC OPERATED
- WAFER/CHECK VALVE
- Y-GLOBE VALVE
- CONSERVATION VENT WITH PRESSURE/VACUUM RELIEF
- SELF-CONTAINED PRESSURE REGULATING VALVE
- PISTON OPERATED, PNEUMATIC
- S=SOLENOID OPERATED
M=MOTOR OPERATED
T=HAND OPERATED
F=FLOAT OPERATED OR CONTROLLED
- NEEDLE VALVE
- Y=WEIR GATE
T=SLIDE GATE
I=STOP LOG
- VACUUM/PRESSURE RELIEF OR SAFETY
- 3-WAY
- 4-WAY
- TELESCOPING
- VACUUM BREAKER AIR RELEASE VALVE

PRIMARY DEVICES

- FLUME
- ORIFICE
- MAGNETIC METER
- ULTRASONIC FLOWMETER
- PROPELLER OR TURBINE METER
- VENTURI OR FLOW TUBE
- ROTOMETER
- LEVEL (FLOAT)
- LEVEL (BUBBLE TUBE)
- LEVEL (ULTRASONIC)

PUMP AND COMPRESSOR

- PROGRESSING CAVITY PUMP
- CENTRIFUGAL PUMP
- POSITIVE DISPLACEMENT PUMP OR BLOWER
- DIAPHRAGM OR METERING PUMP
- SUBMERSIBLE PUMP
- CENTRIFUGAL BLOWER

ACTUATORS

- PZ / XX — PNEUMATIC W/POSITIONER
- S / XX — SOLENOID
- PS / XX — PNEUMATIC W/SOLENOID
- E / XX — ELECTRIC
- PB / XX — PNEUMATIC W/VOLUME BOOSTER
- EZ / XX — ELECTRIC W/POSITIONER

NOTE:
ON LOSS OF POWER
XX: FO = FAIL OPEN
FC = FAIL CLOSED
FLP = FAIL TO LAST POSITION

MISCELLANEOUS

- P — PURGE CONNECTION
- S — SAMPLE POINT
- I / OR / I — INTERLOCK, SEE CONTROL DIAGRAMS
- X — MULTIPLY
- ÷ — DIVIDE
- > — HIGH SELECT
- < — LOW SELECT
- SQUARE ROOT
- Σ — SUM (ALGEBRAIC)
- f — SPECIAL FUNCTION
- R+B — RATIO PLUS BIAS
- 1/X — RECIPROCAL
- FLEXIBLE HOSE CONNECTION
- PULSATION DAMPENER
- GRAVITY TANK OVERFLOW FLANGE
- ES — ELECTRICAL SUPPLY
- M — ELECTRIC MOTOR
- REDUCER
- HOSE CONNECTION
- FRL — FILTER, REGULATOR, LUBRICATOR
- M — MECHANICAL MIXER
- FA — FLAME ARRESTOR
- EDUCTOR
- Y – STRAINER (100 MESH)
- DIAPHRAGM SEAL
- H — HORN
- CALIBRATION COLUMN
- RUPTURE DISK
- F — FILTER
- L — LUBRICATOR
- TD — TIME DELAY
- EXPANSION JOINT
- INLINE SEAL

AS-BUILT

WWETCO, LLC — Wet Weather Engineering & Technology
PARSONS
5390 Triangle Parkway, Suite 100, Norcross, GA 30092, (770) 446-4900

SUBMITTED: _____ DATE: _____ (PROJECT MANAGER)
APPROVED: _____ DATE: _____

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DESIGNED: JD
DRAWN: BH
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CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2009	
		ISSUE FOR BID	JTS	11/04/04	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

CUSTER AVE.
PROCESS AND INSTRUMENTATION DIAGRAM
INSTRUMENTATION LEGEND

FILENAME
PROJECT NUMBER
CLIENT PROJECT NUMBER
DRAWING NUMBER
DI36.102
SHEET NUMBER
OF

tcoleman
Aug 01, 2014 - 9:36am
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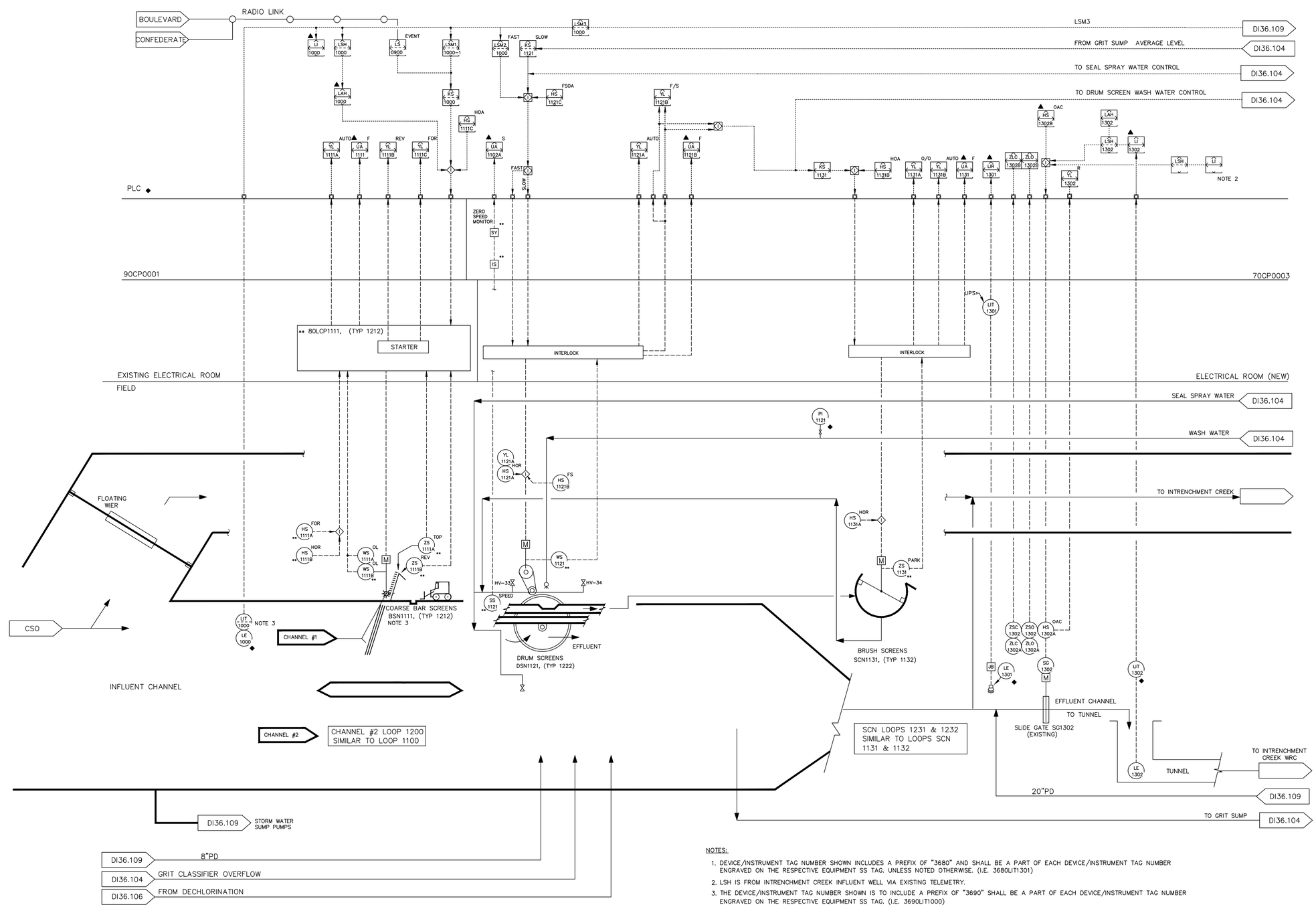

NOTES:

1. DEVICE/INSTRUMENT TAG NUMBER SHOWN INCLUDES A PREFIX OF "3680" AND SHALL BE A PART OF EACH DEVICE/INSTRUMENT TAG NUMBER ENGRAVED ON THE RESPECTIVE EQUIPMENT SS TAG. UNLESS NOTED OTHERWISE. (I.E. 3680LIT1301)
2. LSH IS FROM INTRENCHMENT CREEK INFLUENT WELL VIA EXISTING TELEMETRY.
3. THE DEVICE/INSTRUMENT TAG NUMBER SHOWN IS TO INCLUDE A PREFIX OF "3690" SHALL BE A PART OF EACH DEVICE/INSTRUMENT TAG NUMBER ENGRAVED ON THE RESPECTIVE EQUIPMENT SS TAG. (I.E. 3690LIT1000)

AS-BUILT

WWETCO, LLC
Wet Weather Engineering & Technology
PARSONS
5390 Triangle Parkway, Suite 100,
Norcross, GA 30092, (770) 446-4900

SUBMITTED: _____ DATE: _____
PROJECT MANAGER
APPROVED: _____ DATE: _____

LINE IS 2 INCHES
AT FULL SIZE
(IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: JD
DRAWN: BH
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2009	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

CUSTER AVE.
PROCESS AND INSTRUMENTATION DIAGRAM
SCREENINGS REMOVAL

FILENAME
PROJECT NUMBER
CLIENT PROJECT NUMBER
DRAWING NUMBER
DI36.103
SHEET NUMBER
OF

Aug 01, 2014 - 9:28am
tcoleman
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DI36.109 STORM WATER SUMP PUMPS

DI36.103 DRUM SCREEN CONTROL

DI36.107 VENTILATION SYSTEM CNTL.

DI36.103 DRUM SCREEN CONTROL

DI36.103 DRUM SCREEN CONTROL

ON LSL 1500

OFF LSLL 1500

LEVEL SEL 1/2/AVG HS1 1500

AVERAGE LY 1500

LEAD SEL ALT/1/2 HS2 1500

OAC HS 1123B

ZLC 1123B ZLO 1123B

OAC HS 1122B

O/C YL 1122B

AUTO YL 1122A

AUTO YL 1123B

LSM 1500

LSM 1501 PUMP ON IN AUTO

LSL 1501 PUMP OFF

LI 1501

LOOP P1601 SIMILAR TO LOOP P1501

HOA HS 1501B

AUTO YL 1501C

O/O YL 1501B

F UA 1501

TAH 1501A

MAH 1501B

KS 1711B

FAIL TO START YA 1711B

KS 1711A

HOA HS 1711B

O/O YL 1711B

AUTO YL 1711C

F UA 1711A

PLC

70CP0003

ELECTRICAL ROOM

A

A

UPS

UPS

LIT 1501

LIT 1601

MOTOR MONITOR

INTERLOCK

INTERLOCK

ORC HS 1122A

SEAL SPRAY WATER TO DRUM SCREENS DI36.103

FLOW SWITCH

ZSC 1123 ZSO 1123 ZLC 1123A ZLO 1123A

ORC HS 1123A

SV 1122 ** TYP. 2

FCV 1123 (PRV VALVE) CONTROLLED BY THE FLOW SWITCH

HV-1425

WASH WATER TO DRUM SCREENS DI36.103

FCV 1123

HV-1426

HV-1427

HV-1428

TO DRUM SCREEN DSN1222

PLANT WATER

LOOP 1222, 1223 SIMILAR TO LOOP 1122, 1123

DI36.103 GRIT FROM DRUM SCREENS

LOOP P1601 SIMILAR TO LOOP P1501

HOR HS 1501A YL 1501A

HOR HS 1601A YL 1601A

HV-1501

HV-1601

LE 1501

LE 1601

TSH ME

GRIT PUMP M P1501 M P1502

GRIT PUMP M P1601 M P1602

GRIT SUMP 1501

GRIT SUMP 1601

LOOP P1502 SIMILAR TO LOOP P1501

LOOP P1602 SIMILAR TO LOOP P1601

HOR HS 1711A YL 1711A

GRIT CYCLONE GCC1701

DUMPSTER

GRIT CLASSIFIER GC1711

OVERFLOW TO EFFLUENT DI36.103

LOOP GCC1801 SIMILAR TO LOOP GCC1701

LOOP GC1811 SIMILAR TO LOOP GC1711

NOTES:

1. DEVICE/INSTRUMENT TAG NUMBER SHOWN INCLUDES A PREFIX OF "3680" AND AND SHALL BE A PART OF EACH DEVICE/INSTRUMENT TAG NUMBER ENGRAVED ON THE RESPECTIVE EQUIPMENT SS TAG. UNLESS NOTED OTHERWISE. (I.E. 3680LIT1000)

AS-BUILT

WWETCO, LLC Wet Weather Engineering & Technology / PARSONS 5390 Triangle Parkway, Suite 100, Norcross, GA 30092, (770) 446-4900

SUBMITTED: _____ DATE: _____ PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: JED

DRAWN: BKH

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APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
1		AS-BUILT DRAWING	AB 1-2009		

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

CUSTER AVE.
PROCESS AND INSTRUMENTATION DIAGRAM
GRIT REMOVAL

FILENAME

PROJECT NUMBER

CLIENT PROJECT NUMBER

DRAWING NUMBER
DI36.104

SHEET NUMBER
OF

Aug 01, 2014 - 9:29am tcoleman
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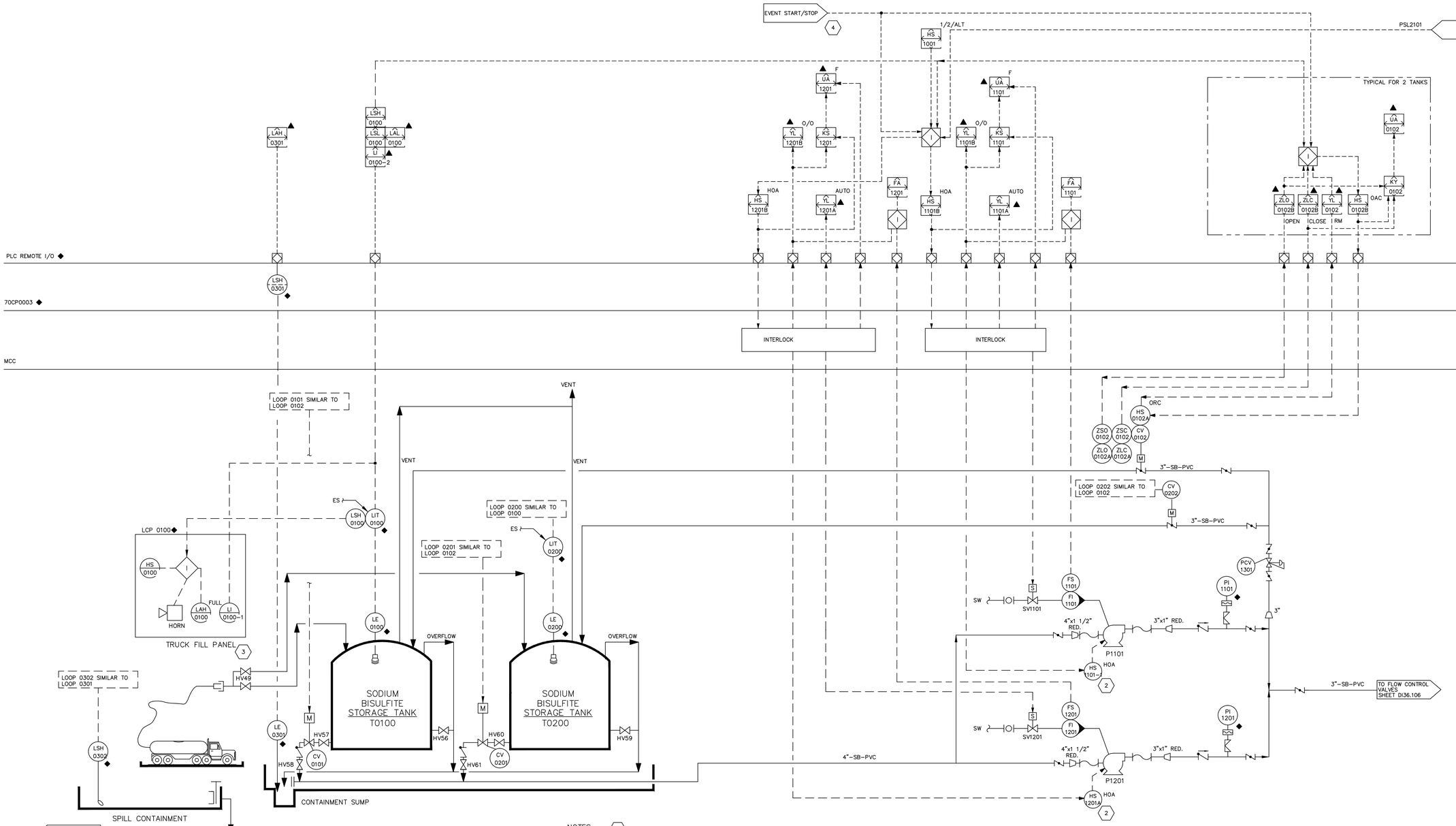

NOTES: (#)

1. ▲ – TO BE MONITORED BY FOXBORO I/A SYSTEM.
2. PUMP STOPPING SEQUENCE SHALL BE: TANK SUPPLY VALVE SHALL CLOSE AND THEN THE PUMP MAY STOP
3. TRUCK FILL PANEL WILL HAVE ALARMS AND INDICATION FOR TANKS T–0100 AND T–0200.
4. EVENT START STOP FUNCTION IS PART OF THE EXISTING PLC PROGRAM. REFERENCE THE LOOP DESCRIPTIONS UNDER DIVISION 13 FOR DETAILS.
5. DEVICE/INSTRUMENT TAG NUMBER SHOWN INCLUDES A PREFIX OF "3670" AND SHALL BE A PART OF EACH DEVICE/INSTRUMENT TAG NUMBER ENGRAVED ON THE RESPECTIVE EQUIPMENT SS TAG. UNLESS NOTED OTHERWISE. (I.E. 3670LIT1000)

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WWETCO, LLC / PARSONS
Wet Weather Engineering & Technology
5390 Triangle Parkway, Suite 100, Norcross, GA 30092, (770) 446-4900

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	1	AS–BUILT DRAWING	AB	1–2009	
		ISSUE FOR BID	JTS	11/04/04	

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CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

CUSTER AVE.
PROCESS AND INSTRUMENTATION DIAGRAM
CHEMICAL STORAGE AND TRANSFER

FILENAME	
PROJECT NUMBER	
CLIENT PROJECT NUMBER	
DRAWING NUMBER	DI36.105
SHEET NUMBER	OF

tcoleman
Aug 01, 2014 - 9:38am
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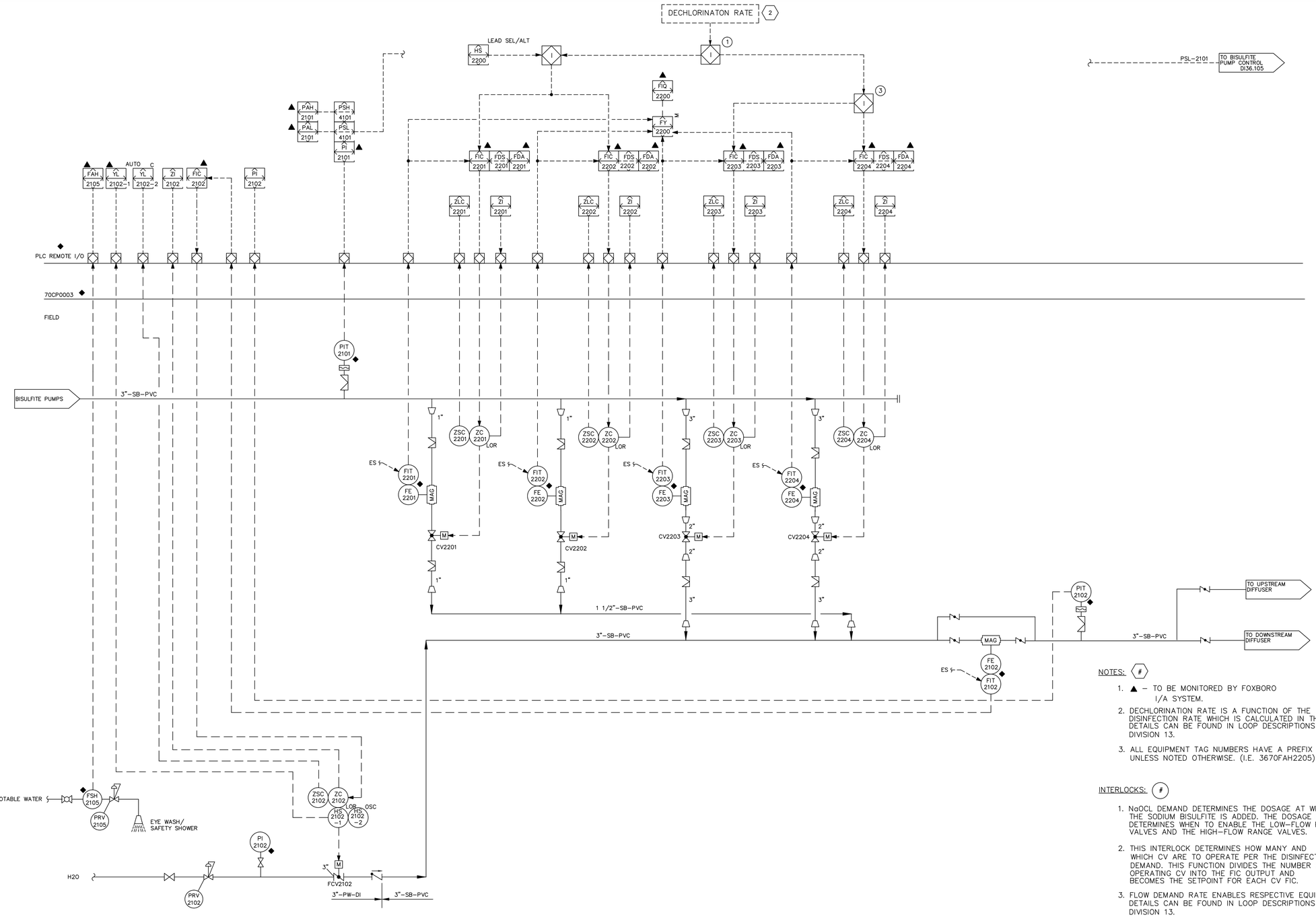

NOTES: (#)

1. ▲ – TO BE MONITORED BY FOXBORO I/A SYSTEM.
2. DECHLORINATION RATE IS A FUNCTION OF THE DISINFECTION RATE WHICH IS CALCULATED IN THE PLC. DETAILS CAN BE FOUND IN LOOP DESCRIPTIONS UNDER DIVISION 13.
3. ALL EQUIPMENT TAG NUMBERS HAVE A PREFIX "3670" UNLESS NOTED OTHERWISE. (I.E. 3670FAH2205)

INTERLOCKS: (#)

1. NaOCL DEMAND DETERMINES THE DOSAGE AT WHICH THE SODIUM BISULFITE IS ADDED. THE DOSAGE RATE DETERMINES WHEN TO ENABLE THE LOW-FLOW RANGE VALVES AND THE HIGH-FLOW RANGE VALVES.
2. THIS INTERLOCK DETERMINES HOW MANY AND WHICH CV ARE TO OPERATE PER THE DISINFECTION DEMAND. THIS FUNCTION DIVIDES THE NUMBER OF OPERATING CV INTO THE FIC OUTPUT AND BECOMES THE SETPOINT FOR EACH CV FIC.
3. FLOW DEMAND RATE ENABLES RESPECTIVE EQUIPMENT. DETAILS CAN BE FOUND IN LOOP DESCRIPTIONS UNDER DIVISION 13.

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CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

CUSTER AVE.
PROCESS & INSTRUMENTATION DIAGRAM
DECHLORINATION CHEMICAL DOSING CONTROL

FILENAME
PROJECT NUMBER
CLIENT PROJECT NUMBER
DRAWING NUMBER
DI36.106
SHEET NUMBER
OF

Aug 01, 2014 - 9:39am
tcoleman
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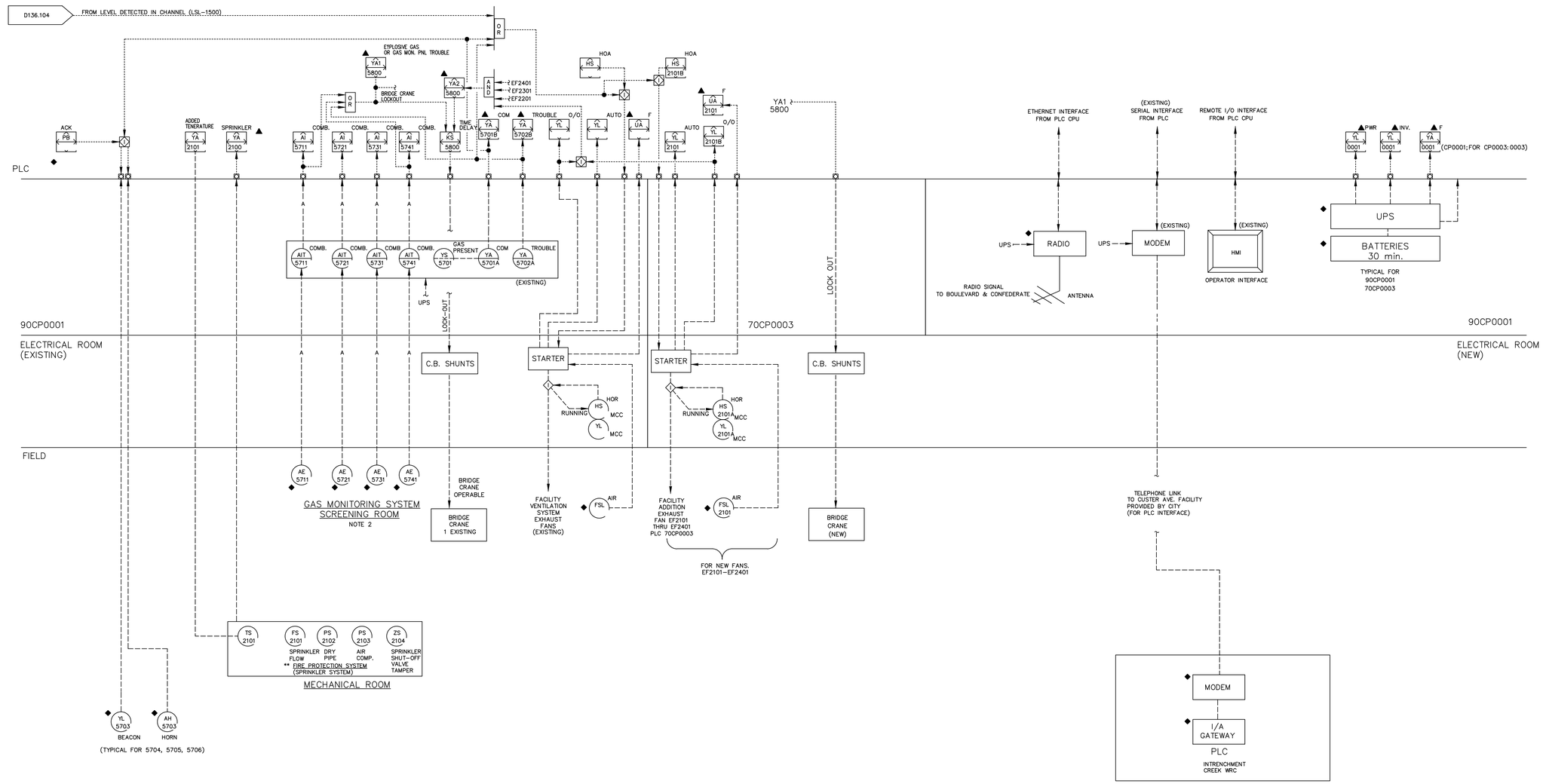

NOTES:

1. DEVICE/INSTRUMENT TAG NUMBER SHOWN INCLUDES A PREFIX OF "3680" AND SHALL BE A PART OF EACH DEVICE/INSTRUMENT TAG NUMBER ENGRAVED ON THE RESPECTIVE EQUIPMENT SS TAG. UNLESS NOTED OTHERWISE. (I.E. 3680LIT1301)
2. EXISTING (CH4, COMBUSTIBLE PETROLEUM VAPORS) GAS SENSORS AND ELEMENTS ARE MSA ULTIMA SERIES, REPLACE THESE IN THEIR ENTIRETY WITH FOUR (4) NEW COMBUSTIBLE GAS ELEMENTS. CONFIGURE EXISTING INDICATORS AND CONTROLS FOR NEW COMBUSTIBLE GAS SENSORS.

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Wet Weather Engineering & Technology

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	1	AS-BUILT DRAWING	AB	1-2009	

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DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

CUSTER AVE.
PROCESS AND INSTRUMENTATION DIAGRAM
MISCELLANEOUS SYSTEMS

FILENAME
PROJECT NUMBER
CLIENT PROJECT NUMBER
DRAWING NUMBER
DI36.107
SHEET NUMBER
OF

Aug 01, 2014 - 9:30am
tcoleman
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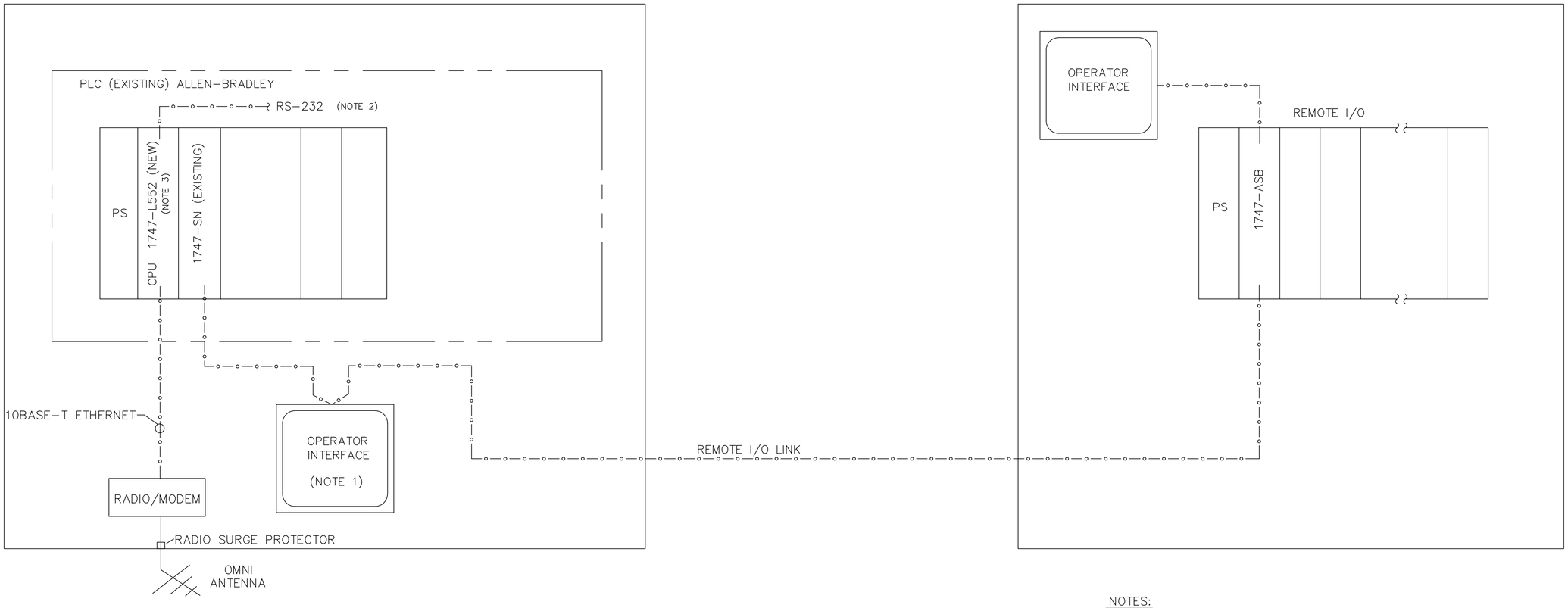

NOTES:

1. EXISTING OPERATOR INTERFACE (A-B PANELVIEW 1400) & GRAPHICS ARE TO BE REUSED WITH NEW GRAPHICS ADDED UNDER THIS CONTRACT
2. TO CCM REMOTE MONITORING. UPDATE PLC DATABASE FOR FOXBORO I/A SYSTEM AS REQUIRED UNDER THIS CONTRACT.
3. CPU TO BE UPGRADED UNDER THIS CONTRACT. REFERENCE DIVISION 13.

AS-BUILT

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DRAWN: BKH
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CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

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DEPARTMENT OF WATERSHED MANAGEMENT
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CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

PROCESS AND INSTRUMENTATION DIAGRAM NETWORK DIAGRAM

FILENAME
PROJECT NUMBER
CLIENT PROJECT NUMBER
DRAWING NUMBER
DI36.108
SHEET NUMBER
OF

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Aug 01, 2014 - 9:44am
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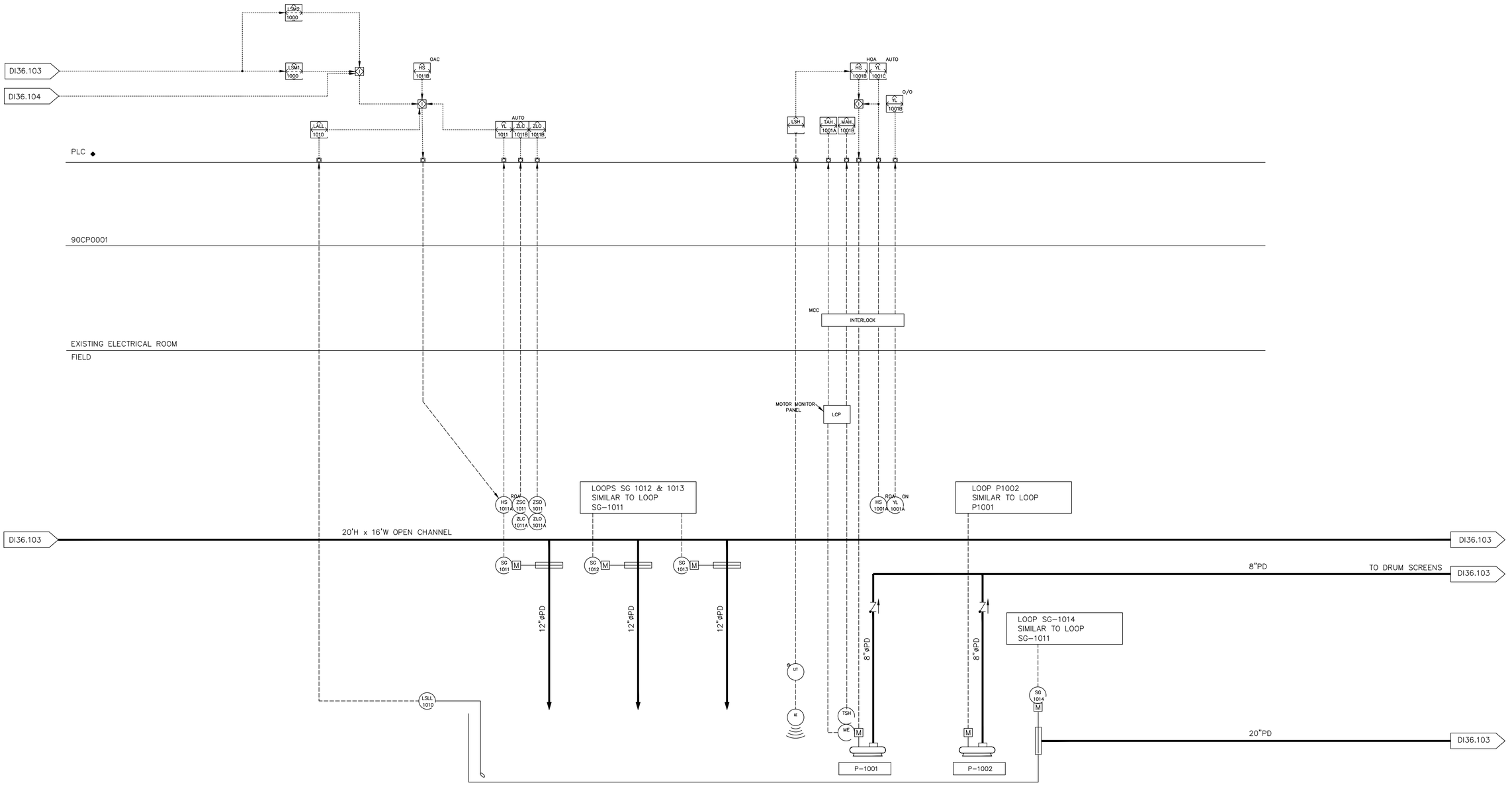

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PROJECT MANAGER
APPROVED: _____ DATE: _____

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DRAWN: BH
CHECKED:
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APPROVED:

EXTERNAL REFERENCE FILES

REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2005	
	1	Addendum 3	JTS	2/28/05	
		ISSUE FOR BID	JTS	11/04/04	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

CUSTER AVE.
PROCESS AND INSTRUMENTATION DIAGRAM
STORM WATER SUMP PUMPING STATION

FILENAME
PROJECT NUMBER
CLIENT PROJECT NUMBER
DRAWING NUMBER
DI36.109
SHEET NUMBER
OF

tcoleman
Aug 01, 2014 - 9:49am
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ELECTRICAL SYMBOLS ELEMENTARY DIAGRAMS

480V / 120V — CPT — CONTROL POWER TRANSFORMER (CPT) (INDICATE VOLTAGE RATIO)

FUSE (INDICATE SIZE IN AMPERES)

CIRCUIT BREAKER (INDICATE SIZE IN AMPERES)

SINGLE POLE SINGLE THROW DISCONNECT SWITCH (SPST) (INDICATE SIZE IN AMPERES)

CONTROL RELAY OR CONTACTOR

C – CONTACTOR
CR – CONTROL RELAY
M – MOTOR STARTER COIL
LR – LATCHING RELAY (RESET COIL)
LS – LATCHING RELAY (SET COIL)
T – TIMER RELAY

NORMALLY OPEN CONTACT (N.O.)–FOR RELAY, TIMER, STARTER, OR CONTACTOR, CLOSED WHEN COIL IS ENERGIZED

NORMALLY CLOSED CONTACT (N.C.)–FOR RELAY, TIMER, STARTER, OR CONTACTOR, OPENS WHEN COIL IS ENERGIZED.

INDICATING LIGHT, (LETTER DENOTES COLOR)

A – ORANGE
B – BLUE
C – CLEAR
G – GREEN
R – RED
W – WHITE
Y – YELLOW

OL — THERMAL OVERLOAD CONTACT (CONTROL CIRCUIT)

LIMIT SWITCH, NORMALLY OPEN, SWITCH CLOSED BY MECHANICAL OPERATION

LIMIT SWITCH, NORMALLY CLOSED, SWITCH OPENS BY MECHANICAL OPERATION.

FLOW SWITCH, (AIR, WATER, ETC.) NORMALLY CLOSED, OPENS ON FLOW.

FLOW SWITCH, (AIR, WATER, ETC.) NORMALLY OPEN, CLOSES ON FLOW.

LEVEL SWITCH, NORMALLY OPEN, CLOSES ON RISE ABOVE SET LEVEL

LEVEL SWITCH, NORMALLY CLOSED, OPENS ON RISE ABOVE SET LEVEL

PRESSURE OR VACUUM SWITCH, NORMALLY OPEN, CLOSES ON RISE IN PRESSURE

PRESSURE OR VACUUM SWITCH, NORMALLY CLOSED, OPENS ON FALL IN PRESSURE

SHIELD WIRE (WITH SHIELD GROUNDED)

INTERLOCK (MECHANICAL OR ELECTRICAL)

FIELD WIRING

INTERNAL WIRING

◪ INDICATES TERMINAL OR DEVICE LOCATED ON VARIABLE FREQUENCY DRIVES

■ INDICATES TERMINAL OR DEVICE LOCATED IN MCC

□ INDICATES TERMINAL OR DEVICE LOCATED IN FIELD

⬓ INDICATES TERMINAL OR DEVICE LOCATED ON UNIT CONTROL PANEL

⊠ INDICATES TERMINAL OR DEVICE LOCATED ON MAIN CONTROL PANEL OR PLC

[R] INDICATES TERMINAL OR DEVICE LOCATED ON RELAY PANEL

TEMPERATURE ACTUATED SWITCH, NORMALLY OPEN, CLOSES ON RISE IN TEMPERATURE

TEMPERATURE ACTUATED SWITCH, NORMALLY CLOSED, OPENS ON RISE IN TEMPERATURE

TIMER CONTACT, NORMALLY OPEN, CLOSES ON TIME DELAY AFTER COIL IS ENERGIZED (NOTC)

TIMER CONTACT, NORMALLY CLOSED, OPENS ON TIME DELAY AFTER COIL IS ENERGIZED (NCTO)

TIME CONTACT, NORMALLY OPEN, OPENS ON TIME DELAY AFTER COIL IS DE–ENERGIZED (NOTO)

TIMER CONTACT, NORMALLY CLOSED, CLOSES ON TIME DELAY AFTER COIL IS DE–ENERGIZED (NCTC)

PUSHBUTTON, MOMENTARY 1 NORMALLY OPEN CONTACT

PUSHBUTTON, MOMENTARY 1 NORMALLY CLOSED CONTACT

1 2 XO OX — 2 POSITION SELECTOR SWITCH X– DENOTES CONTACT IN CLOSED POSITION

1 2 3 XOO OXO OOX — 3 POSITION SELECTOR SWITCH X– DENOTES CONTACT IN CLOSED POSITION

HORN

SOLENOID

HEATER

GROUND

B — BUZZER

BATTERY (MULTICELL)

SURGE SUPPRESSOR

ELECTRICAL SYMBOLS ONE LINE DIAGRAMS

CURRENT TRANSFORMER

L.A. — LIGHTNING ARRESTER

LIGHTNING ARRESTER AND SURGE CAPACITOR

POWER TRANSFORMER

POTENTIAL TRANSFORMER

INDICATING METER

A – AMMETER
V – VOLTMETER
W – WATTMETER
WH – WATTHOUR METER
PF – POWER FACTOR METER
WHD – WATTHOUR DEMAND METER

AS — AMMETER SWITCH

WT — WATT TRANSDUCER

VS — VOLTMETER SWITCH

RECORDING METER

27 — ANSI/IEEE SWITCHGEAR DEVICE (RELAYING OR METERING)

ANSI NUMBER
27–UNDER VOLTAGE RELAY

DRAW–OUT DEVICE (FROM CABINET OR ENCLOSURE)

800 AF / 600 AT — LSIG — E — POWER CIRCUIT BREAKER (600V OR BELOW)
LSIG–INDICATES EQUIPPED WITH LONGTIME–SHORT TIME INSTANTANEOUS SETTING AND GROUND FAULT
E–ELECTRICALLY OPERATED
M–MANUAL OPERATED

AUTOMATIC TRANSFER SWITCH

TVSS — TRANSIENT VOLTAGE SURGE SUPPRESSOR

START–STOP PUSHBUTON STATION
NO. OF DOTS INDICATES NO. OF PUSHBUTTONS.

J — JUNCTION BOX

N.F DISC. SWITCH COMBINATOIN STARTER

FUSE

15 — UNIT HEATER
NUMBER INDICATES KILOWATTS

O/L'S — THERMAL OVERLOAD

INDICATING LIGHT (LETTER DENOTES COLOR)

3A / 1 — FULL VOLTAGE NONREVERSING (FVNR) COMBINATION MOTOR CIRCUIT PROTECTOR (MCP) MOTOR STARTER UNLESS NOTED OTHERWISE.
3A DENOTES CONTINUOUS RATING OF MAGNETIC BREAKER, 1 INDICATES NEMA SIZE STARTER.

15 HP — INDUCTION MOTOR
NUMBER INDICATES HORSEPOWER

GROUND CONNECTION

480V, 3PH RECEPTACLE

PANELBOARD
LP– LIGHTING PANEL
RP– RECEPTACLE PANEL
PP– POWER PANEL

UCP–9 — UNIT CONTROL PANEL

LOCAL CONTROL STATION. SEE ELECTRICAL SCHEMATICS FOR REQUIREMENTS.

40AT / 100AF — MOLDED CASE, THERMAL MAGNETIC CIRCUIT BREAKER. TOP NUMBER INDICATES TRIP RATING, BOTTOM NUMBER INDICATES FRAME SIZE.

DISCONNECT SWITCH (30A, UNLESS INDICATED OTHERWISE)

VFD — VARIABLE FREQUENCY DRIVE

UCP — VENDOR SUPPLIED UNIT CONTROL PANEL

DM — DIGITAL METER

ACT — ACTUATOR

MOTOR CONTROL CENTER
MCC MAIN BREAKER
MCC LOAD
MCC–xxx — MCC NUMBER

ELECTRICAL ABBREVIATIONS

øA	–	PHASE A
øB	–	PHASE B
øC	–	PHASE C
1ø	–	SINGLE PHASE
3ø	–	THREE PHASE
A	–	AMPERES
AFF	–	ABOVE FINISHED FLOOR
AM	–	AMMETER
ATS	–	AUTOMATIC TRANSFER SWITCH
AUX	–	AUXILIARY
C	–	CONDUIT OR CONTACTOR
CAM	–	CAMERA
CKT BKR	–	CIRCUIT BREAKER
CNTL	–	CONTROL
CONT'D	–	CONTINUED
CPT	–	CONTROL POWER TRANSFORMER
DESIG	–	DESIGNATION
DISC	–	DISCONNECT
EA	–	EACH
ELEV	–	ELEVATION
EMERG	–	EMERGENCY
EMT	–	ELECTRICAL METALLIC TUBING
ETM	–	ELAPSED TIME METER
EUH	–	ELECTRIC UNIT HEATER
EXIST	–	EXISTING
FDR	–	FEEDER
FF	–	FINISHED FLOOR
FLUOR	–	FLUORESCENT
FP	–	FIELD PANEL
FS	–	FLOW SWITCH
FVNR	–	FULL VOLTAGE NON–REVERSING
FVR	–	FULL VOLTAGE REVERSING
GEN	–	GENERATOR
GFCI	–	GROUND FAULT CIRCUIT INTERRUPTER
GND, GRD	–	GROUND
GS	–	GROUND SENSOR
H	–	HOT
HH	–	HANDHOLE
HP	–	HORSEPOWER
HPS	–	HIGH PRESSURE SODIUM
HT	–	HEAT TRACING
HZ	–	HERTZ
K	–	KILO
KW	–	KILOWATT
LA	–	LIGHTNING ARRESTER
LCP	–	INSTRUMENTATION LOCAL CONTROL PANEL
LCS	–	LOCAL CONTROL STATION
LOR	–	LOCAL–OFF–REMOTE SWITCH
LP	–	LIGHTING PANEL
LSP	–	LOCAL SECURITY PANEL
LVR	–	LOUVER
LS	–	LEVEL SWITCH
MCC	–	MOTOR CONTROL CENTER
MCP	–	MOTOR CIRCUIT PROTECTOR
MEZZ	–	MEZZANINE
MH	–	MOUNTING HEIGHT OR MANHOLE
MICP	–	MAIN INSTRUMENT CONTROL PANEL
MPBCE	–	MICROPROCESSOR BASED CONTROL EQUIPMENT
MTR	–	MOTOR
MV	–	MERCURY VAPOR
NEUT, N	–	NEUTRAL
NO., #	–	NUMBER
OL	–	OPERATING LIGHT
OL'S	–	OVERLOADS
P	–	POLE
PNLBD	–	PANELBOARD
PNL	–	PANEL
PP	–	POWER PANEL
R	–	REACTOR
RGS	–	RIGID GALVANIZED STEEL CONDUIT
RP	–	RECEPTACLE PANEL
RVNR	–	REDUCED VOLTAGE NON–REVERSING
SC	–	SURVEILLANCE CAMERA
SCP	–	SYSTEM CONTROL PANEL
SD	–	SMOKE DETECTOR
SOV	–	SOLENOID OPERATOR VALVE
SS	–	SOLID STATE
SW	–	SWITCH
SWBD	–	SWITCHBOARD
SWGR	–	SWITCHGEAR
TPS	–	TWISTED PAIR SHIELDED
TYP	–	TYPICAL
TC	–	TRAY CABLE
UCP	–	UNIT CONTROL PANEL
UNO	–	UNLESS NOTED OTHERWISE
UPS	–	UNINTERRUPTABLE POWER SUPPLY EQUIPMENT
V	–	VOLT OR VOLTAGE
VFD	–	VARIABLE FREQUENCY DRIVE
VM	–	VOLTMETER
W	–	WATTS
WP	–	WEATHER PROOF
WS	–	TORQUE SWITCH
WT	–	WATTS TRANSDUCER
XFER	–	TRANSFER
XFMR	–	TRANSFORMER
ZS	–	LIMIT SWITCH

ELECTRICAL SYMBOLS POWER PLANS

EQUIPMENT

EQUIPMENT (EXISTING OR FUTURE)

CONDUIT RUN EXPOSED

CONDUIT RUN CONCEALED UNDER SLAB OR BELOW GRADE (CONCEALED IN SLAB WHERE SO NOTED OR WHERE ALLOWED PER SPECIFICATIONS).

CONDUIT RUN TURNS UP

CONDUIT RUN TURNS DOWN

CONDUIT CAPPED

HOMERUN TO PANELBOARD – SHORT SLASH LINE INDICATES NO. OF PHASE CONDUCTORS, LONG SLASH LINE INDICATES NO. OF NEUTRAL CONDUCTORS INDICATES GROUND CONDUCTOR – UNLESS OTHERWISE INDICATED, ALL WIRES TO BE NO. 12 AWG IN 3/4"C.

PANELBOARD
LP– LIGHTING PANEL
RP– RECEPTACLE PANEL
PP– POWER PANEL

J — JUNCTION BOX

M — INDUCTION MOTOR

D — MOTORIZED DAMPER

DISCONNECT SWITCH

MANHOLE OR HANDHOLE

MAGNETIC STARTER

DISCONNECT SWITCH COMBINATION STARTER

R — RELAY PANEL

DUCTBANK

T KVA — DRY TYPE TRANSFORMER KVA AS NOTED

C — LIGHTING CONTACTOR

LOCAL CONTROL STATION. SEE ELECTRICAL SCHEMATICS FOR REQUIREMENTS.

GROUND CONDUCTOR WITH EXOTHERMIC CONNECTION

GROUNDING DELTA (#4/0 BARE COPPER, GROUND CONDUCTOR UNLESS OTHERWISE NOTED)

GROUND ROD (3/4"ø x 10'–0" LONG)

PENDANT MOUNTED LIGHTING FIXTURE W/ SWITCHED QUARTZ LAMP

EXIT SIGN

PENDANT MOUNTED LIGHTING FIXTURE

STANCHION OR POLE MOUNTED LIGHTING FIXTURE

H — WALL MOUNTED LIGHTING FIXTURE

FLUORESCENT LIGHTING FIXTURE

FLUORESCENT LIGHTING FIXTURE WITH EMERGENCY BATTERY PACK

EMERGENCY LIGHTING UNIT

$ OR ◪ — SINGLE THROW, SINGLE POLE TOGGLE SWITCH

$ M OR ◪M — MANUAL MOTOR STARTER W/OVERLOAD ELEMENT

$ 3 — THREE–WAY TOGGLE SWITCH

$ 4 — FOUR–WAY TOGGLE SWITCH

480V, 3PH RECEPTACLE

T — THERMOSTAT

DUPLEX RECEPTACLE

INDICATES INSTRUMENT LOCATION, FOR INSTRUMENT DESIGNATION REFER TO DWG. I.1–1

SURVEILLANCE CAMERA

H — HORN

TELEPHONE OUTLET

S — SMOKE DETECTOR

PC — PHOTOCELL

SV — SOLENOID VALVE

AS-BUILT

WWETCO, LLC — Wet Weather Engineering & Technology
PARSONS — 5390 Triangle Parkway, Suite 100, Norcross, GA 30092, (770) 446–4900

SUBMITTED: _____ DATE: _____ (PROJECT MANAGER)
APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED:
DRAWN:
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EXTERNAL REFERENCE FILES

REVISIONS

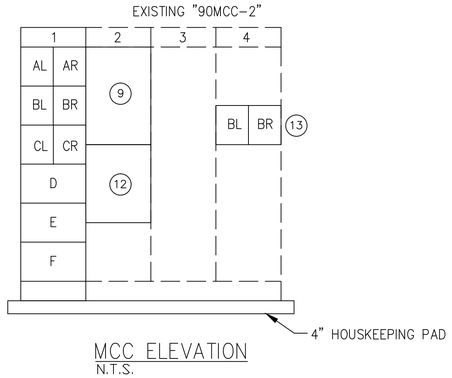
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS–BUILT DRAWING	AB	1–2009	
		ISSUE FOR BID	JTS	11/04/04	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

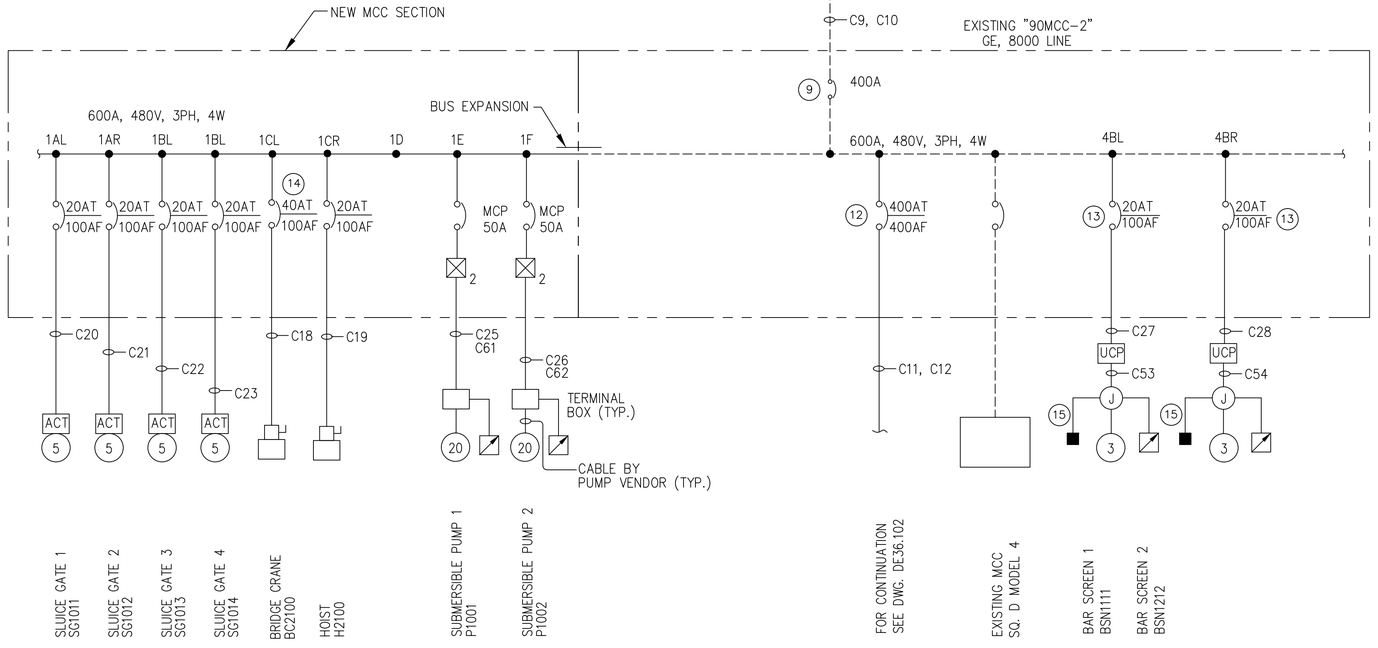
CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

ELECTRICAL LEGEND & GENERAL NOTES

FILENAME
PROJECT NUMBER
CLIENT PROJECT NUMBER
DRAWING NUMBER
DE36.100
SHEET NUMBER
OF



MCC ELEVATION
N.T.S.



ONE-LINE DIAGRAM

NOTES:

1. POWER COMPANY TO REPLACE EXISTING POLE MOUNTED TRANSFORMER BANK WITH 500KVA PAD MOUNTED TRANSFORMER. SECONDARY VOLTAGE 480/277V, 3PH, 4WIRE.
2. INSTALL NEW SERVICE CONDUCTORS & CONDUITS FROM 500 KVA PAD MOUNTED TRANSFORMER TO METERING EQUIPMENT.
3. UPGRADE METERING EQUIPMENT AS REQUIRED FOR NEW SERVICE.
4. REPLACE EXISTING CONDUCTORS & CONDUIT BETWEEN NEW METERING EQUIPMENT AND NEW CIRCUIT BREAKER WITH 2 SETS OF 4-350 MCM, 3"C EACH SET.
5. REPLACE EXISTING 400A CIRCUIT BREAKER WITH NEW 600A, 480V CIRCUIT BREAKER, NEMA 1 ENCLOSURE.
6. REPLACE CONDUCTORS & CONDUIT WITH 2 SETS OF 4-350 MCM & 1#1/0G, 3"C EACH SET.
7. REPLACE EXISTING CONDUCTORS & CONDUIT BETWEEN EXISTING 90MCC-2 AND AUTOMATIC TRANSFER SWITCH WITH TWO(2) SETS OF 4-350 MCM & 1#1/0G, 3"C EACH SET.
8. REPLACE CONDUCTORS & CONDUIT WITH 2 SETS OF 4-350 MCM & 1#1/0G, 3"C EACH SET.
9. REPLACE EXISTING 400A CIRCUIT BREAKER WITH 600A CIRCUIT BREAKER IN 90MCC-2. PROVIDE NEW COMPARTMENT DOORS AS REQUIRED. ALL HARDWARE SHALL BE OF THE SAME MANUFACTURER AS EXISTING EQUIPMENT. INSTALL REMOVED 400 AMP C.B. AS INDICATED IN NOTE (12)
10. EXPAND EXISTING 90MCC-2 WITH ONE(1) VERTICAL SECTIONS TO THE LEFT OF EXISTING 90MCC-2 LINE UP. PROVIDE STARTERS AND CIRCUIT BREAKERS AS SHOWN ON THE ONE LINE DIAGRAM.
11. GEORGIA POWER TO REPLACE EXISTING GENERATOR SET WITH A LARGER UNIT RATED 400KW, .8PF 480/277V, 3PH, 4W.
12. INSTALL 400A, 3P, 480V CIRCUIT BREAKER AT AVAILABLE SPACE INDICATED IN EXISTING 90MCC-2. PROVIDE COMPARTMENT DOOR AND DISCONNECT HANDLE TO MATCH EXISTING EQUIPMENT.
13. INSTALL TWO(2) 20A, 3P, 480V CIRCUIT BREAKER IN SPACE INDICATED IN 90MCC-2. PROVIDE NEW COMPARTMENT DOOR AS REQUIRED. HARDWARE SHALL BE OF THE SAME MANUFACTURER AS EXISTING EQUIPMENT.
14. BRIDGE CRANE CIRCUIT BREAKER TO BE FURNISHED WITH SHUNT TRIP.
15. TORQUE SWITCHES, POSITION LIMIT SWITCHES & MOTORS ARE PREWIRED TO BAR SCREEN JUNCTION BOX.

LEGEND

- LIGHT LINE INDICATES EXISTING EQUIPMENT
- DARK LINE INDICATES NEW EQUIPMENT

EQUIPMENT	TIMER SETTING	EQUIPMENT ID	LOAD	HP/ WATT	DEMAND FACTOR	HP DEMAND	DEMAND AMPS
SLUICE GATE NO. 1	N/A	SG1011	5	HP	0.2	1.0	1.2
SLUICE GATE NO. 2	N/A	SG1011	5	HP	0.2	1.0	1.2
SLUICE GATE NO. 3	N/A	SG1011	5	HP	0.2	1.0	1.2
SLUICE GATE NO. 4	N/A	SG1011	5	HP	0.2	1.0	1.2
BRIDGE CRANE	N/A	BC2100	10	HP	0.2	2.0	2.4
HOIST	N/A	H2100	5	HP	0.2	1.0	1.2
SUBMERSIBLE PUMP NO. 1	25	P1001	15	HP	0.75	11.3	13.5
SUBMERSIBLE NO. 2	25	P1001	15	HP	0.75	11.3	13.5
BAR SCREEN	20#	BSN111	3	HP	1	3.0	3.6
BAR SCREEN	20#	BSN111	3	HP	1	3.0	3.6
ACT	N/A	ACT	10	HP	0.75	7.5	9.0
GRIT PUMP	15	P1501	10	HP	0.75	7.5	9.0
GRIT PUMP	15	P1502	10	HP	0.75	7.5	9.0
GRIT CLASSIFIER	N/A	GC1711	1	HP	0.75	0.8	0.9
GRIT CLASSIFIER	N/A	GC1811	1	HP	0.75	0.8	0.9
EXHAUST FAN 3	N/A	EF2301	1	HP	0.75	0.8	0.9
EXHAUST FAN 4	N/A	EF2301	1	HP	0.75	0.8	0.9
TRANSFORMER FOR PANEL RA	N/A		30	KW	0.6	18.0	21.7
DRUM SCREEN 1	1	DSN1121	16	HP	1	16.0	19.3
DRUM SCREEN 2	1	DSN1122	16	HP	1	16.0	19.3
BRUSH SCREEN 1	N/A	SCN1131	1	HP	1	1.0	1.2
BRUSH SCREEN 2	N/A	SCN1132	1	HP	1	1.0	1.2
BRUSH SCREEN 3	N/A	SCN1133	1	HP	1	1.0	1.2
BRUSH SCREEN 4	N/A	SCN1134	1	HP	1	1.0	1.2
PUMP P1101	5	P1101	5	HP	0.75	3.8	4.5
PUMP P1201	5	P1101	5	HP	0.75	3.8	4.5
GRIT PUMP	10	P1601	10	HP	0.75	7.5	9.0
GRIT PUMP	10	P1602	10	HP	0.75	7.5	9.0
EXHAUST FAN 1	N/A	EF2101	1	HP	0.75	0.8	0.9
EXHAUST FAN 2	N/A	EF2201	1	HP	0.75	0.8	0.9
			203.0			139.0	167.4

AS-BUILT

WWETCO, LLC
Wet Weather Engineering & Technology
PARSONS
5390 Triangle Parkway, Suite 100,
Norcross, GA 30092, (770) 446-4900

SUBMITTED: _____ DATE: _____
PROJECT MANAGER

APPROVED: _____ DATE: _____

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" - SCALE ACCORDINGLY)

DESIGNED: RL
DRAWN: BKH
CHECKED:
CHECKED:
APPROVED:

EXTERNAL REFERENCE FILES

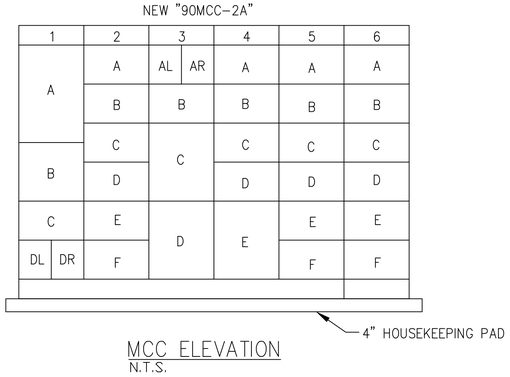
REVISIONS					
ZONE	REV.	DESCRIPTION	BY	DATE	APP.
	1	AS-BUILT DRAWING	AB	1-2009	
		ISSUE FOR BID	JTS	11/04/04	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

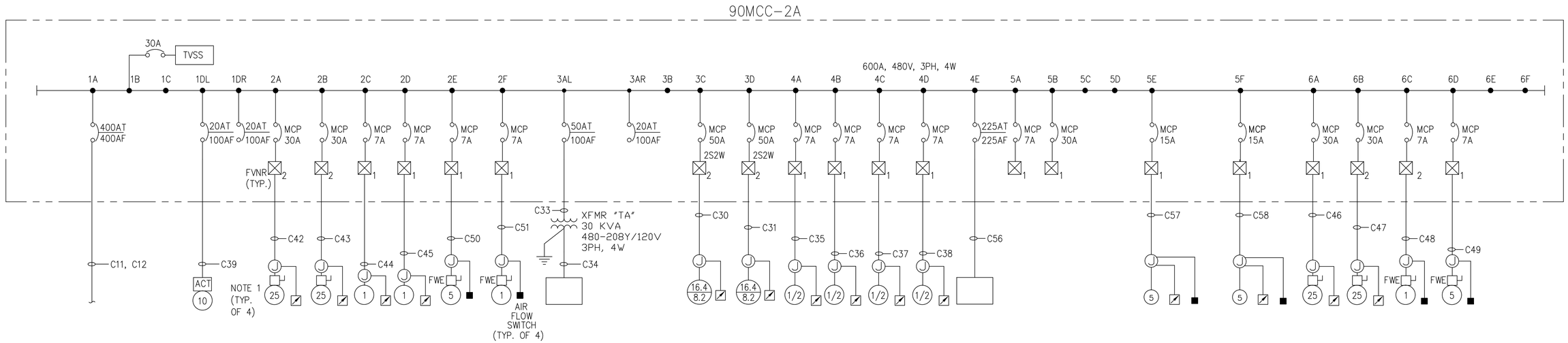
CUSTER
ONE LINE DIAGRAM
CSO FACILITY

FILENAME
PROJECT NUMBER
CLIENT PROJECT NUMBER
DRAWING NUMBER
DE36.101
SHEET NUMBER
OF



MCC ELEVATION
N.T.S.

NOTE:
1. PROVIDE POWER RECEPTACLE/PLUG WITH DISC. SWITCH FOR GRIT PUMPS IN CLASS I DIV. I GROUP D HAZARDOUS AREA. SEE DWG DE36.104 FOR 120 VAC CONTROL INTERLOCK AS PART OF POWER RECEPTACLE\PLUG.
2. PROVIDE STAGGER START RELAYS ON THE FOLLOWING:
   4 – GRIT PUMPS (1601, 1602, 1501, 1502)
   2 – TRANSFER PUMPS (1101, 1201)
   2 – DRUM SCREENS (1121, 1222)
3, MODITY BUCKETS FOR EXHAUST FANS 2+3 TO ACCOMODATE 5 HP.



ONE-LINE DIAGRAM

AS-BUILT

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Wet Weather Engineering & Technology
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Norcross, GA 30092, (770) 446-4900

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CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

CUSTER
ONE LINE DIAGRAM
CSO FACILITY

FILENAME
PROJECT NUMBER
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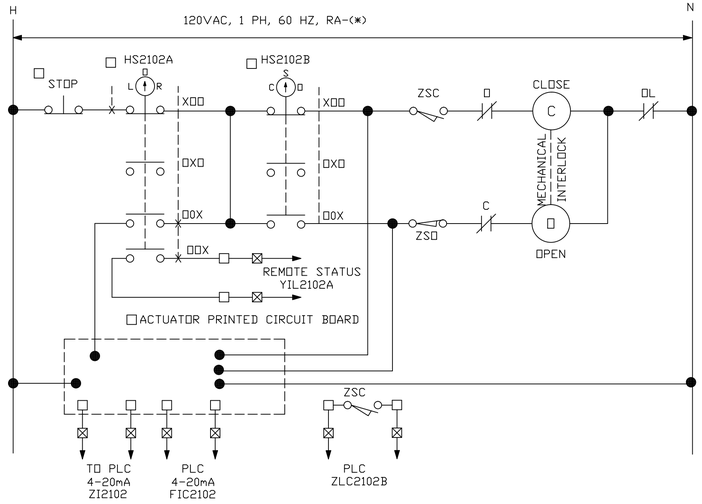
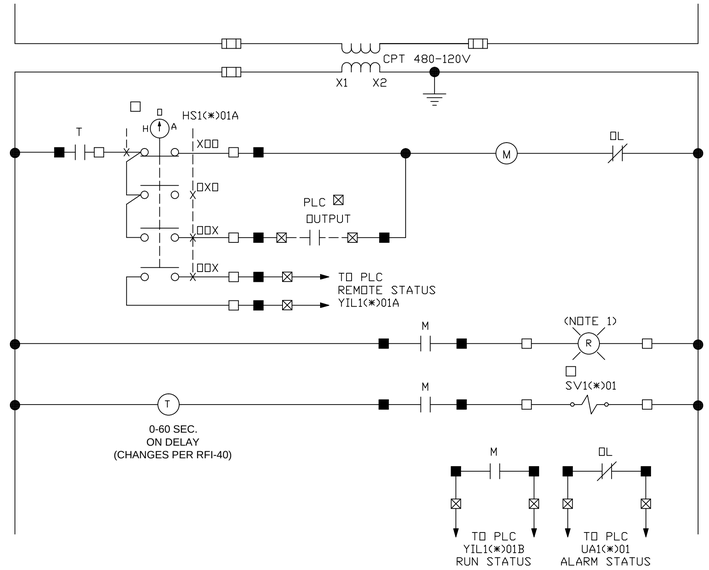
DE36.102
SHEET NUMBER
OF



MAKE-UP WATER FCV SCHEMATIC

VALVE	LOR	OSC	REMOTE STATUS	PLC OUTPUT	VALVE POSITION	CLOSE STATUS	CKT. RA-(**)
CV2102	HS2102A	HS2102B	YIL2102A	FIC2102	ZI2102	ZLC2102B	RA-9

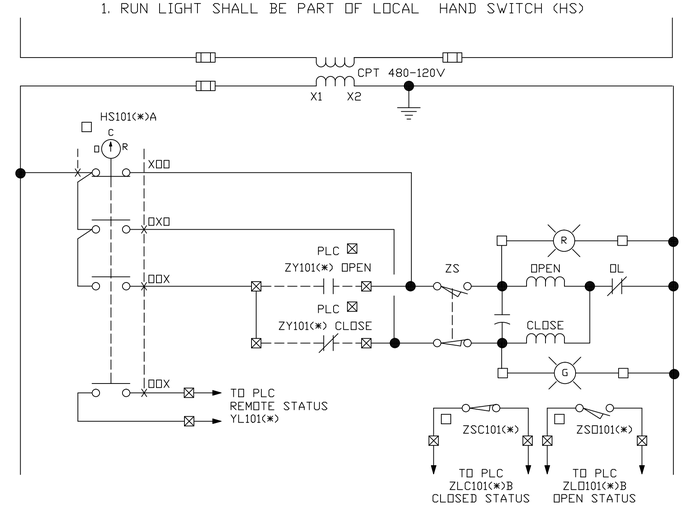


TRANSFER PUMP SCHEMATIC

PUMP P1(*)01	HOA HS1(*)01A	RUN STATUS YIL1(*)01B	REMOTE STATUS YIL1(*)01A	ALARM STATUS UA1(*)01	S VALVE SV1(*)01
P1101	HS1101A	YIL1101B	YIL1101A	UA1101	SV1101
P1201	HS1201A	YIL1201B	YIL1201A	UA1201	SV1201

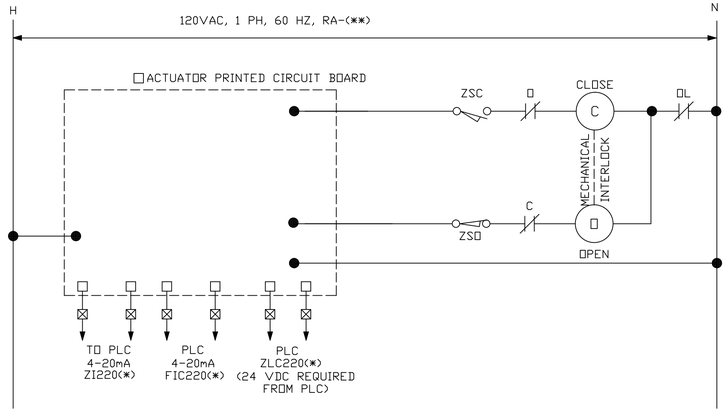
NOTE:

1. RUN LIGHT SHALL BE PART OF LOCAL HAND SWITCH (HS)



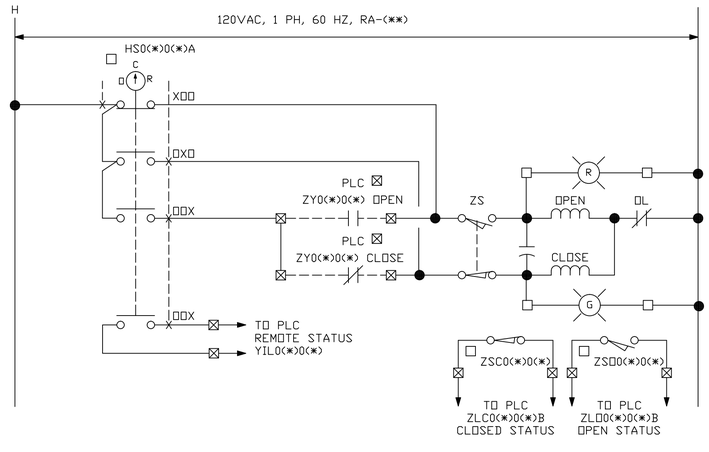
STORM WATER SUMP SLUICE GATES

SLUICE GATE SG101(*)	OCR HS101(*)A	REMOTE STATUS YL101(*)	CLOSED STATUS ZLC101(*)B	OPEN STATUS ZLO101(*)B	PLC OUTPUT ZY101(*)	POSITION ZSO101(*)	POSITION ZSC101(*)
SG1011	HS1011A	YL1011	ZLC1011B	ZLO1011B	ZY1011	ZSO1011	ZSC1011
SG1012	HS1012A	YL1012	ZLC1012B	ZLO1012B	ZY1012	ZSO1012	ZSC1012
SG1013	HS1013A	YL1013	ZLC1013B	ZLO1013B	ZY1013	ZSO1013	ZSC1013
SG1014	HS1014A	YL1014	ZLC1014B	ZLO1014B	ZY1014	ZSO1014	ZSC1014



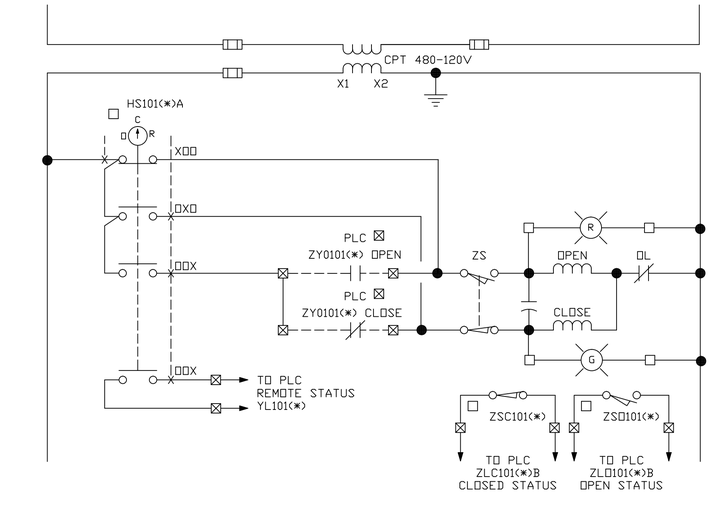
NaHS03 FLOW CONTROL VALVES SCHEMATIC

VALVE CV220(*)	REMOTE STATUS YIL220(*)	PLC OUTPUT FIC220(*)	VALVE POSITION ZI220(*)	CLOSE STATUS ZLC220(*)	CKT. RA-(**)
CV2201	YIL2201	FIC2201	ZI2201	ZLC2201	RA-4
CV2202	YIL2202	FIC2202	ZI2202	ZLC2202	RA-6
CV2203	YIL2203	FIC2203	ZI2203	ZLC2203	RA-8
CV2204	YIL2204	FIC2204	ZI2204	ZLC2204	RA-10



TANK DRAIN & RECIRCULATION VALVES CONTROLS

VALVE CV0(*)0(*)	OCR HS0(*)0(*)A	REMOTE STATUS YIL0(*)0(*)	CLOSED STATUS ZLC0(*)0(*)B	OPEN STATUS ZLO0(*)0(*)B	PLC OUTPUT ZY0(*)0(*)	POSITION ZSO0(*)0(*)	POSITION ZSC0(*)0(*)	CKT. RA-(**)
CV0101	HS0101A	YIL0101	ZLC0101B	ZLO0101B	ZY0101	ZSO0101	ZSC0101	RA-14
CV0201	HS0201A	YIL0201	ZLC0201B	ZLO0201B	ZY0201	ZSO0201	ZSC0201	RA-16
CV0102	HS0102A	YIL0102	ZLC0102B	ZLO0102B	ZY0102	ZSO0102	ZSC0102	RA-18
CV0202	HS0202A	YIL0202	ZLC0202B	ZLO0202B	ZY0202	ZSO0202	ZSC0202	RA-20



TUNNEL SLIDE GATE

SLUICE GATE SG130(*)	OCR HS130(*)A	REMOTE STATUS YL130(*)A	CLOSED STATUS ZLC130(*)B	OPEN STATUS ZLO130(*)B	PLC OUTPUT ZY130(*)	POSITION ZSO130(*)	POSITION ZSC130(*)
SG1302	HS1302A	YL1302A	ZLC1302B	ZLO1302B	ZY01302	ZSO1302	ZSC1302

AS-BUILT

WWETCO, LLC — Wet Weather Engineering & Technology / PARSONS / 5390 Triangle Parkway, Suite 100, Norcross, GA 30092, (770) 446-4900

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REVISIONS

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		ISSUE FOR BID	JTS	11/04/04	

CITY OF ATLANTA
DEPARTMENT OF WATERSHED MANAGEMENT

CUSTER AVENUE CSO STORAGE AND DECHLORINATION FACILITY

CUSTER
ONE LINE DIAGRAM & ELECTRICAL SCHEMATICS
CSO FACILITY

FILENAME
PROJECT NUMBER
CLIENT PROJECT NUMBER
DRAWING NUMBER DE36.103
SHEET NUMBER OF