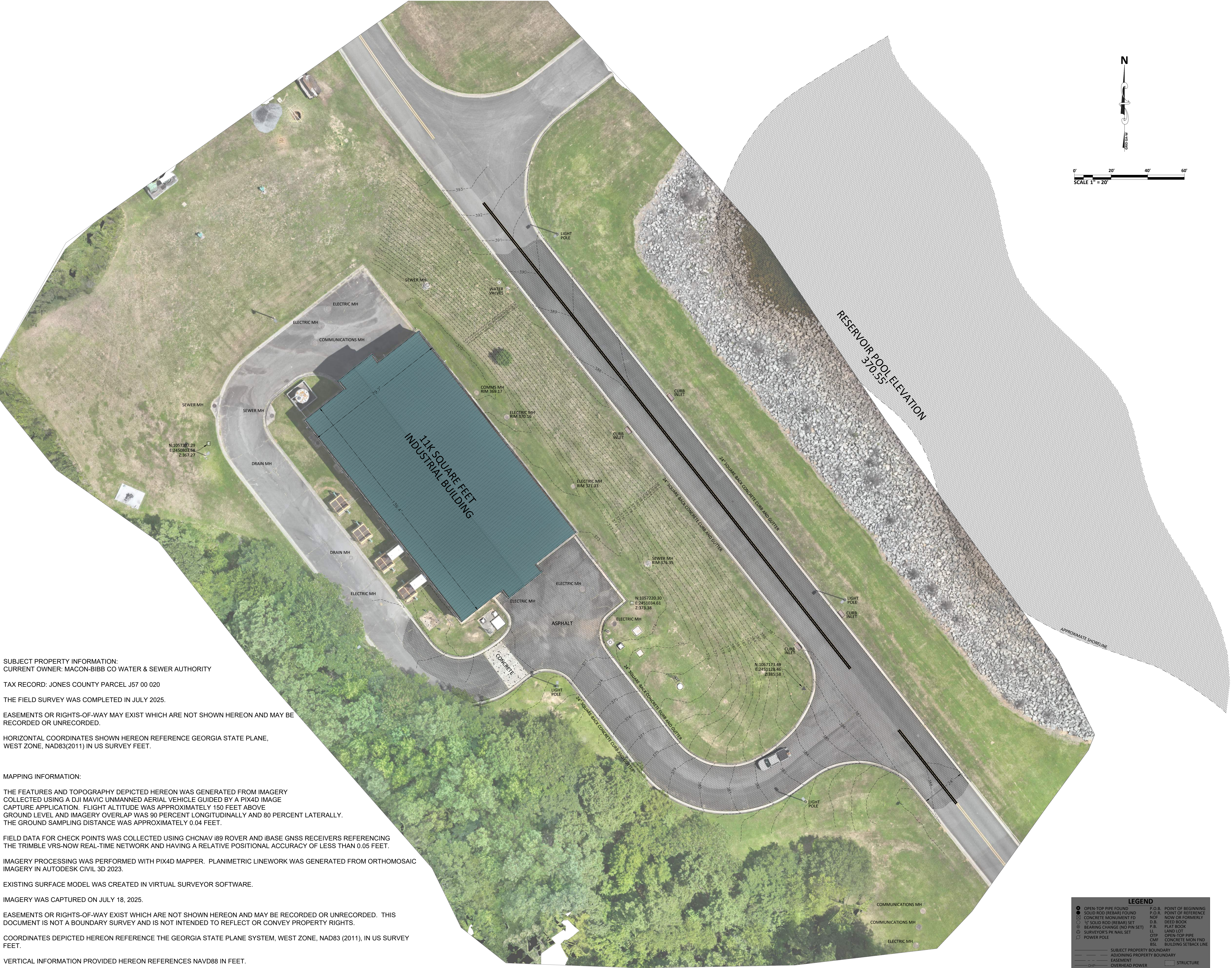




SUBJECT PROPERTY INFORMATION:
CURRENT OWNER: MACON-BIBB CO WATER & SEWER AUTHORITY

TAX RECORD: JONES COUNTY PARCEL J57 00 020

THE FIELD SURVEY WAS COMPLETED IN JULY 2025.

EASEMENTS OR RIGHTS-OF-WAY MAY EXIST WHICH ARE NOT SHOWN HEREON AND MAY BE RECORDED OR UNRECORDED.

HORIZONTAL COORDINATES SHOWN HEREON REFERENCE GEORGIA STATE PLANE, WEST ZONE, NAD83(2011) IN US SURVEY FEET.

MAPPING INFORMATION:

THE FEATURES AND TOPOGRAPHY DEPICTED HEREON WAS GENERATED FROM IMAGERY COLLECTED USING A DJI MAVIC UNMANNED AERIAL VEHICLE GUIDED BY A PIX4D IMAGE CAPTURE APPLICATION. FLIGHT ALTITUDE WAS APPROXIMATELY 150 FEET ABOVE GROUND LEVEL AND IMAGERY OVERLAP WAS 90 PERCENT LONGITUDINALLY AND 80 PERCENT LATERALLY. THE GROUND SAMPLING DISTANCE WAS APPROXIMATELY 0.04 FEET.

FIELD DATA FOR CHECK POINTS WAS COLLECTED USING CHCNAV i89 ROVER AND iBASE GNSS RECEIVERS REFERENCE THE TRIMBLE VRS-NOW REAL-TIME NETWORK AND HAVING A RELATIVE POSITIONAL ACCURACY OF LESS THAN 0.05 FEET.

IMAGERY PROCESSING WAS PERFORMED WITH PIX4D MAPPER. PLANIMETRIC LINWORK WAS GENERATED FROM ORTHOMOSAIC IMAGERY IN AUTODESK CIVIL 3D 2023.

EXISTING SURFACE MODEL WAS CREATED IN VIRTUAL SURVEYOR SOFTWARE.

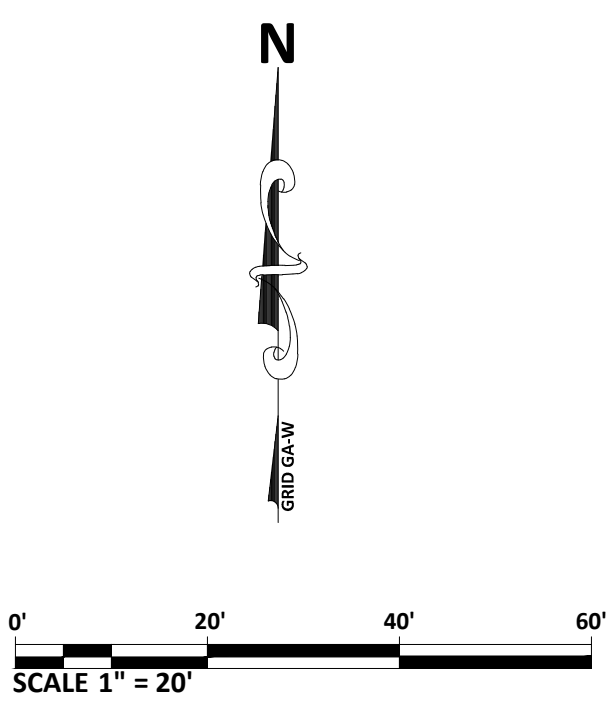
IMAGERY WAS CAPTURED ON JULY 18, 2025.

EASEMENTS OR RIGHTS-OF-WAY EXIST WHICH ARE NOT SHOWN HEREON AND MAY BE RECORDED OR UNRECORDED. THIS DOCUMENT IS NOT A BOUNDARY SURVEY AND IS NOT INTENDED TO REFLECT OR CONVEY PROPERTY RIGHTS.

COORDINATES DEPICTED HEREON REFERENCE THE GEORGIA STATE PLANE SYSTEM, WEST ZONE, NAD83 (2011), IN US SURVEY FEET.

VERTICAL INFORMATION PROVIDED HEREON REFERENCES NAVD88 IN FEET.

UTILITY LOCATIONS SHOWN HEREON ARE BASED ON IMAGERY-VISIBLE SURFACE FEATURES ONLY. UTILITIES NOT MARKED OR UTILITIES WITH MARKINGS NOT VISIBLE IN IMAGERY MIGHT NOT BE SHOWN HEREON.



LEGEND	
	OPEN TOP PIPE FOUND
	SOLID ROD (REBAR) FOUND
	CONCRETE MONUMENT FOUND
	SOLID ROD (REBAR) SET
	BEARING CHANGE (NO PIN SET)
	SURVEYOR'S PIN/NAIL SET
	POWER POLE
	SUBJECT PROPERTY BOUNDARY
	ADJOINING PROPERTY BOUNDARY
	EASEMENT
	OVERHEAD POWER
	CREEK OR SHORELINE
	WIRE FENCE
	APPROX. TREE LINE
	EDGE OF GRAVEL/DIRT
	POINT OF BEGINNING
	POINT OF REFERENCE
	NEW OR FORMERLY DEED BOOK
	PLAT BOOK
	LAND LOT
	OPEN TOP PIPE
	CONCRETE MON FOUND
	BUILDING SETBACK LINE
	STRUCTURE
	CONCRETE
	SURFACE WATER
	ASPHALT

MACON WATER AUTHORITY (MWA)

AMERSON WATER
TREATMENT PLANT
GENERATOR FUEL
SYSTEM REPLACEMENT

703 RIVERBEND RD, MACON, GA 31211

DESIGNER

CLARK NEXSEN

A JMT Company

3920 ARKWRIGHT ROAD SUITE 385
MACON, GEORGIA 31201
478-743-8415

SURVEY PERFORMED BY

JORDAN
ENGINEERING

144 N. WARREN ST. MONTICELLO, GA. 31064
TELEPHONE: (706) 468-5999
Land Planning • Surveying • Soils Classification

FOR

TRIPLE POINT
ENGINEERING

93 Gateway Drive • Macon, Georgia 31210
phone: 478-478-0760 • www.ipointeng.com

PROFESSIONAL SEAL:

SUBMITTAL:

6/1/2026

ISSUE FOR CONSTRUCTION

REVISIONS		
1	8/11/2026	ADDENDUM #2

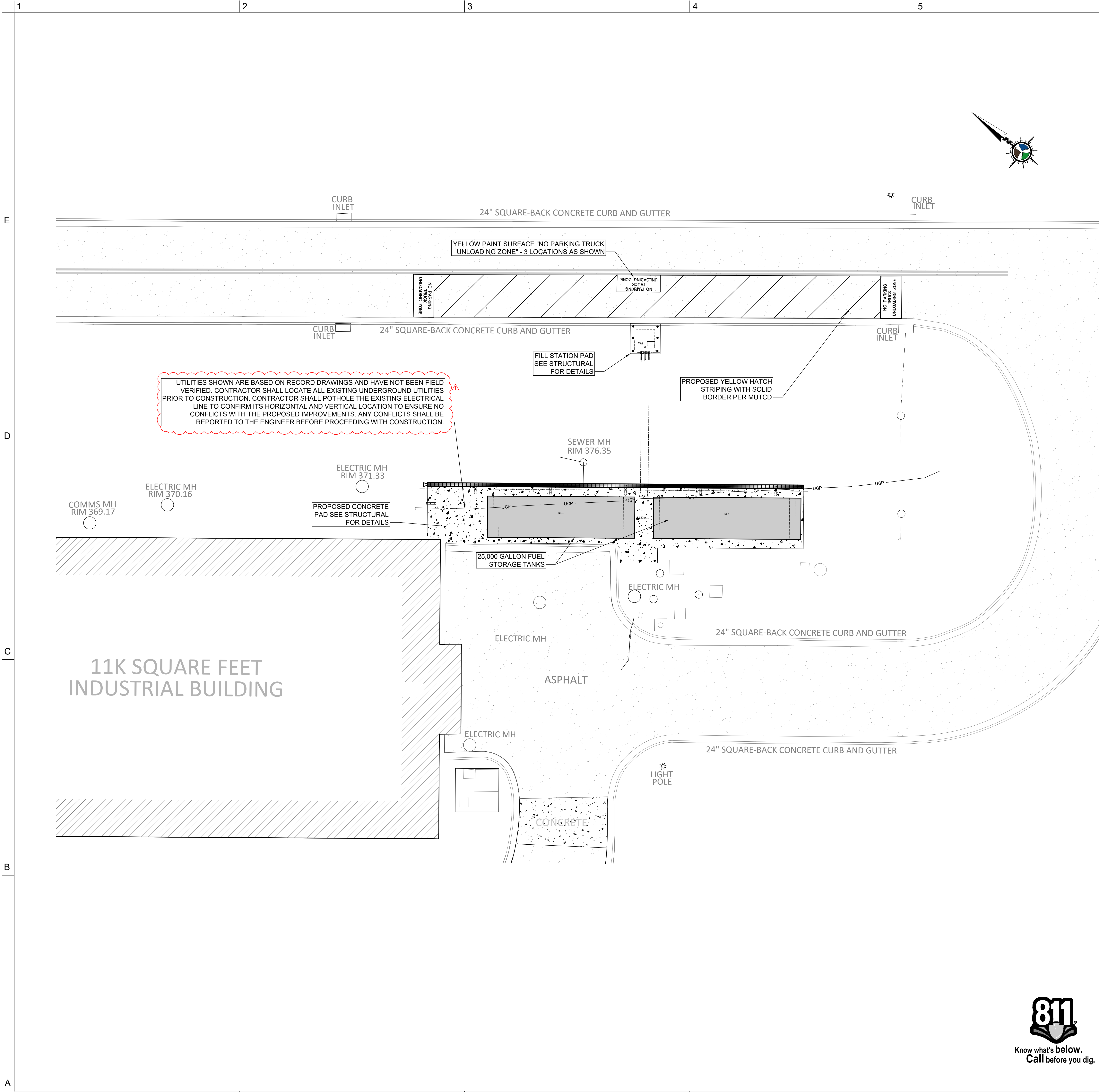
KEY PLAN

SHEET

C1.0 - TOPOGRAPHIC AND
FEATURE SURVEY

DESIGN: CST
DRAWING: CST
REVIEW: JOW

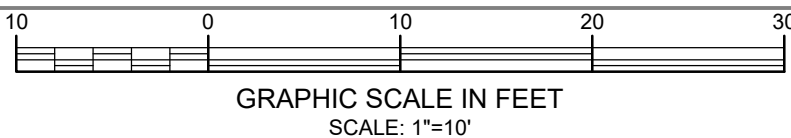
CN 10709 - 100



GENERAL NOTES

KEY NOTES

GRAPHIC SCALE(S)



MACON WATER AUTHORITY (MWA)

**AMERSON WATER
TREATMENT PLANT
GENERATOR FUEL
SYSTEM REPLACEMENT**

703 RIVERBEND RD, MACON, GA 31211

MWA
Macon Water Authority

DESIGNER

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PROFESSIONAL SEAL



SUBMITTAL
6/1/2026
ISSUE FOR CONSTRUCTION

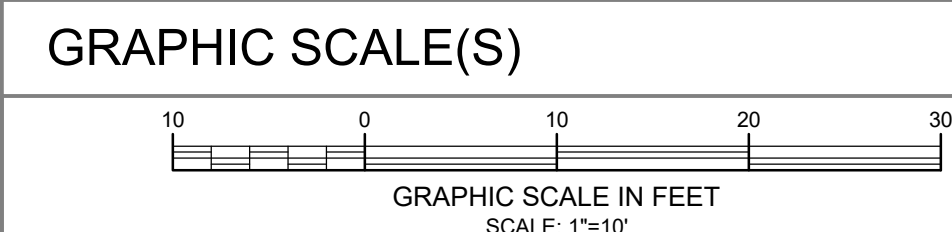
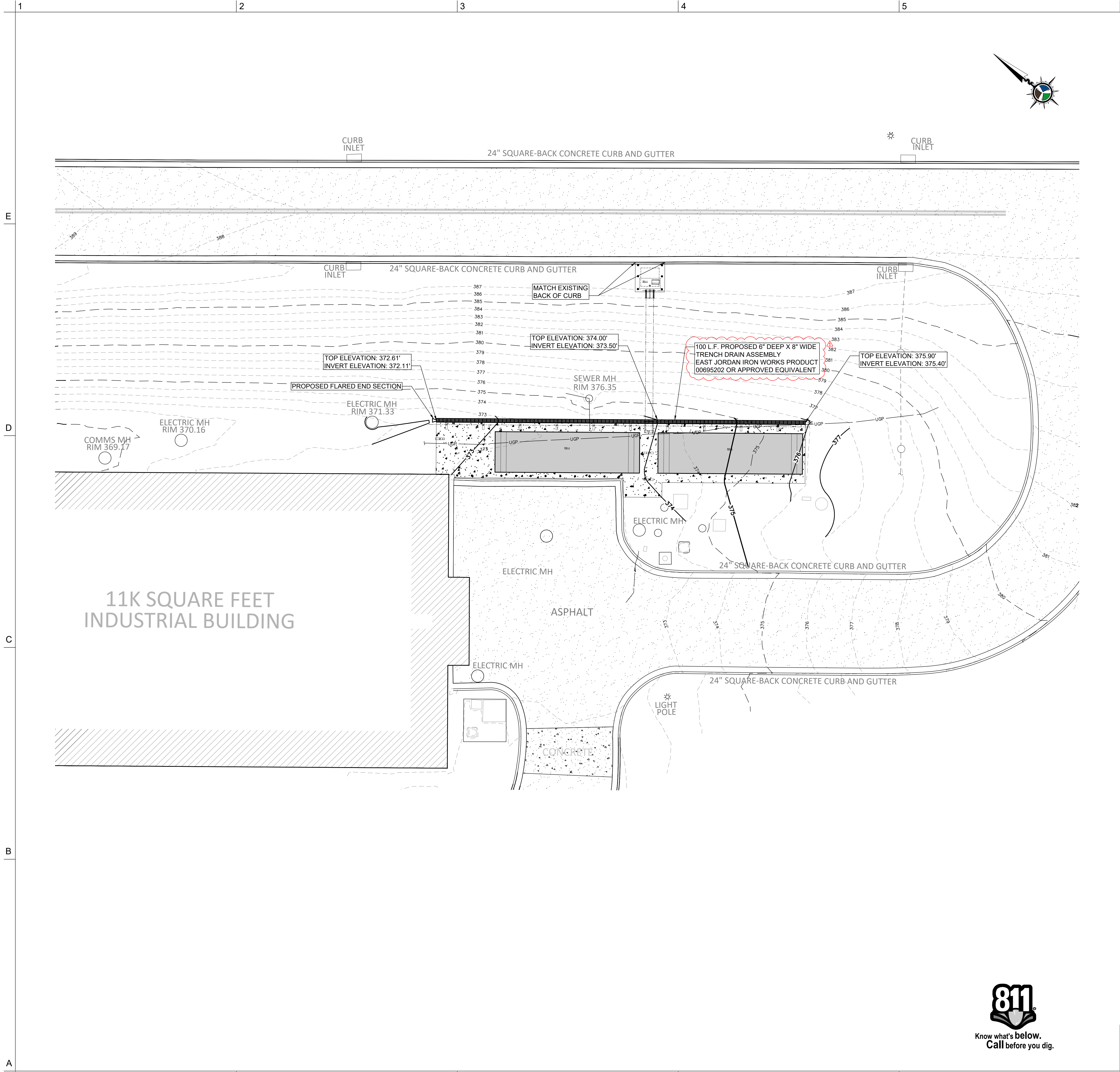
REVISIONS		
1	8/11/2026	ADDENDUM #2

KEY PLAN

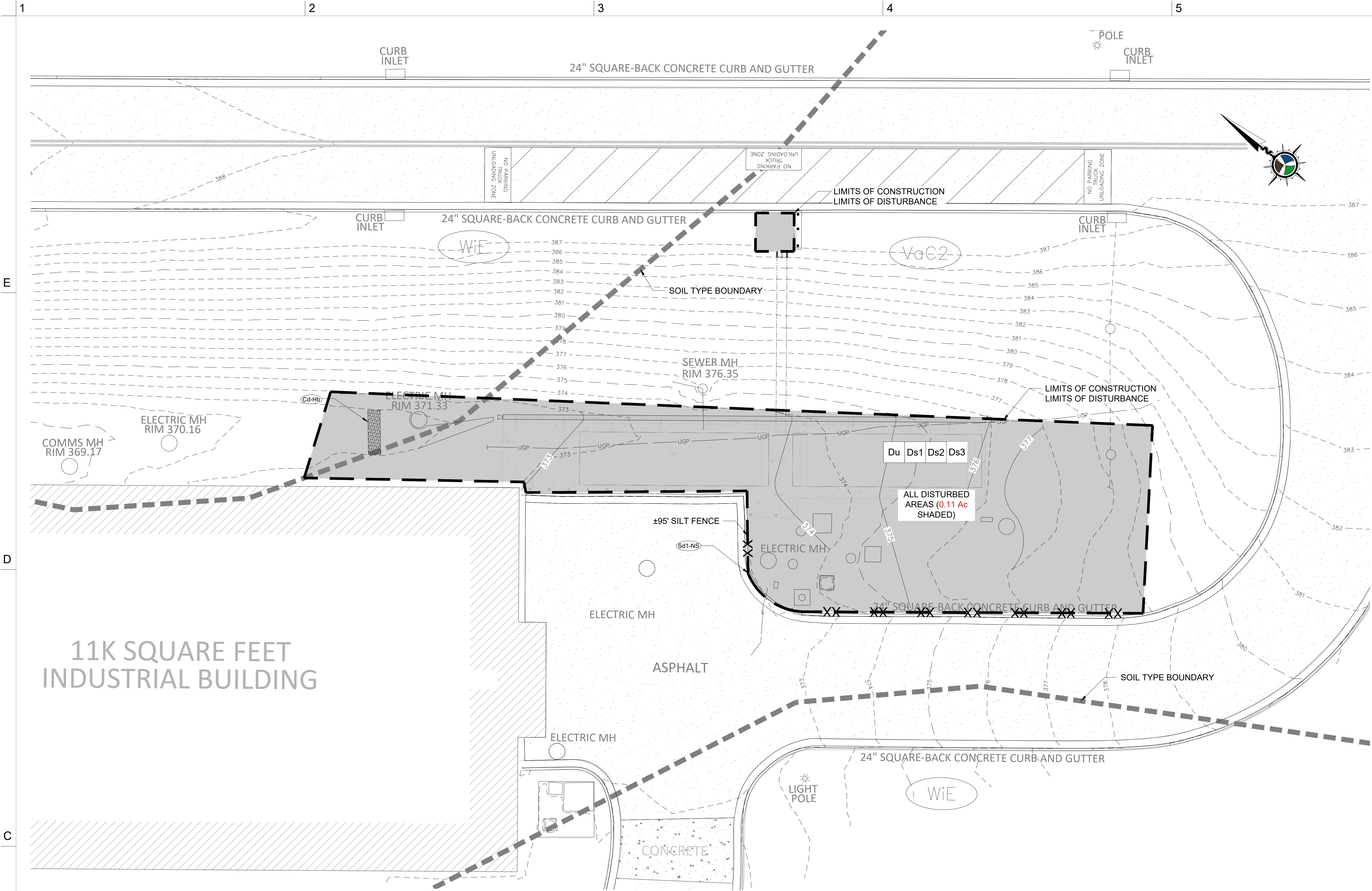
SHEET
**C2.0 - SITE LAYOUT
PLAN**

DESIGN: CST
DRAWN: JCR
REVIEW: RRW

CN 10709 - 100



REVISIONS		
1	8/11/2026	ADDENDUM #2



SOILS LEGEND		HYDROLOGIC SOIL GROUP
VaC2	SANDY LOAM 6% TO 10% SLOPES	C
WIE	SANDY LOAM 10% TO 25% SLOPES	D



Know what's below.
Call before you dig.



Georgia Soil and Water Conservation Commission

Clinton S Terry
Level II Certified Design Professional

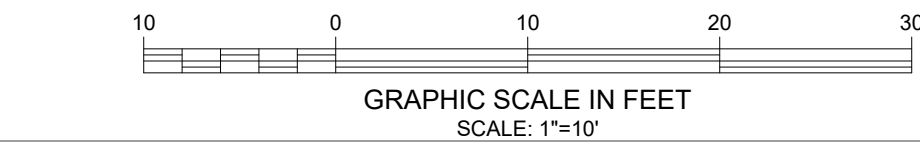
CERTIFICATION NUMBER: 0000084382
ISSUED: 11/03/2023 EXPIRES: 11/03/2026

KEY NOTES

EROSION AND SEDIMENTATION CONTROL NOTES

- These notes are taken from the Erosion, Sedimentation, and Pollution Control Plan Checklist for stand alone construction projects as published by the Georgia Soil and Water Conservation Commission on January 1, 2024.
- The Level II certification number and seal of the certified Design Professional can be found on each sheet pertaining to the ES&PC plan (Sheet C4.0-C4.1).
- The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls shall be the general contractor's on-site representative who will be named prior to construction.
- Total acreage of project area: 0.11 Acres
- Disturbed acreage of project area: 0.11 Acres
- The GPS location of the construction site is Latitude 32.905364° N, Longitude 83.663078° W.
- The initial and/or revision date of this plan is depicted on the title block of each plan sheet. A notation shall be made on the plan of any revisions to the plan, the date of revision, and the entity that requested the revisions.
- The construction activity includes erosion control, grading, building construction, and drainage improvements for the Generator Building at Amerson Water Treatment Plant.
- A vicinity map showing site's relation to surrounding areas is depicted on the title sheet.
- The project receiving waters include unnamed tributaries to Ocmulgee River.
- I certify under penalty of law that this plan was prepared after a site visit to the locations described herein by myself or my authorized agent, under my direct supervision. I am aware that there are significant penalties for submitted false information, including the possibility of fine and imprisonment for knowing violations.
- Non-exempt activities shall not be conducted within the 25- or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation without first acquiring the necessary variances and permits.
- The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities.
- Erosion control measures shall be maintained at all times. If full implementation of the approved plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source.
- Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding.
- All petroleum products shall be stored and used in an area that provides a secondary containment feature, and shall be located in an area with the least foreseeable impact if a catastrophic event should occur. Emergency contact numbers and procedures for spills shall be available on-site. All petroleum spills and leaks shall be remediated immediately. The flow must be stopped, contained, and affected soils removed. In the event of a spill or leak, contact First Environmental Nationwide toll free at (888) 720-1330.
- A description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMP's, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization) is depicted on Sheet C4.1 of this plan.
- A graphic scale and north arrow is depicted on Sheet C2.0.
- Existing and proposed contour lines is depicted on Sheet C3.0. Contour lines are drawn at an interval of 1.0'. The existing contour lines are based on a field run survey by Jordan Engineering.
- No alternate BMP's are proposed in this plan.
- There are no 25-foot state waters buffers proposed for this project.
- There are no state waters buffers impacts proposed for this plan.
- The drainage basin consists of ±0.73 AC.
- The pre-construction runoff curve number is estimated to be 70. The post-construction runoff curve number is estimated to be 71.
- No new storm drain outlets are proposed for this project.
- Soil series and their delineation are depicted on Sheet C4.0.
- The limits of disturbance for this site are depicted on Sheet C4.0.
- Best management practices depicted on this plan are consistent with the requirements of the *Manual for Erosion and Sediment Control in Georgia*. The legend for the BMP's can be found on this sheet.
- Detailed drawings for all structural practices are depicted on Sheet C4.1 of this plan. The installation of these practices must, at a minimum, meet the guidelines set forth in the *Manual for Erosion and Sediment Control in Georgia*.
- A vegetative plan, noting temporary and permanent vegetative practices, is depicted on Sheet C4.1 of this plan.
- Maintenance of all soil erosion and sedimentation control measures and practices, whether temporary or permanent, shall be at all times the responsibility of the contractor.
- Vehicles shall be cleaned of accumulated soil prior to exiting the construction site to a paved area or public right of way. No mud or soil shall be tracked off-site.
- The contractor shall achieve final stabilization before the project is considered complete.

GRAPHIC SCALE(S)



MACON WATER AUTHORITY (MWA)

AMERSON WATER
TREATMENT PLANT
GENERATOR FUEL
SYSTEM REPLACEMENT

703 RIVERBEND RD, MACON, GA 31211



DESIGNER

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PROFESSIONAL SEAL



SUBMITTAL

6/1/2026

ISSUE FOR CONSTRUCTION

REVISIONS

1 8/11/2026 ADDENDUM #2

KEY PLAN

SHEET

C4.0 - ES&PC PLAN

DESIGN: CST
DRAWING: JCR
REVIEW: RWR

CN 10709 - 100

GEORGIA UNIFORM CODING SYSTEM

FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES

GEORGIA SOIL AND WATER CONSERVATION COMMISSION

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHECKDAM			A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.
Ch	CHANNEL STABILIZATION			Improving, constructing or stabilizing an open channel, existing stream, or ditch.
Co	CONSTRUCTION EXIT			A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Cr	CONSTRUCTION ROAD STABILIZATION			A travelway constructed as part of a construction plan including access roads, subdivision roads, parking areas and other on-site vehicle transportation routes.
Dc	STREAM DIVERSION CHANNEL			A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.
Di	DIVERSION			An earth channel or dike located above, below, or across a slope to divert runoff. This may be a temporary or permanent structure.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE			A flexible conduit of heavy-duty fabric or other material designed to safely conduct surface runoff down a slope. This is temporary and inexpensive.
Dn2	PERMANENT DOWNDRAIN STRUCTURE			A paved chute, pipe, sectional conduit or similar material designed to safely conduct surface runoff down a slope.
Fr	FILTER RING			A temporary stone barrier constructed at storm drain inlets and pond outlets.
Ga	GABION			Rock filter baskets which are hand-placed into position forming soil stabilizing structures.
Gr	GRADE STABILIZATION STRUCTURE			Permanent structures installed to protect channels or waterways where otherwise the slope would be sufficient for the running water to form gullies.
Lv	LEVEL SPREADER			A structure to convert concentrated flow of water into less erosive sheet flow. This should be constructed only on undisturbed soils.
Rd	ROCK FILTER DAM			A permanent or temporary stone filter dam installed across small streams or drainageways.
Re	RETAINING WALL			A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special design.
Rt	RETRO FITTING			A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.
Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd2	INLET SEDIMENT TRAP			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd3	TEMPORARY SEDIMENT BASIN			A basin created by excavation or a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out.
Sd4	TEMPORARY SEDIMENT TRAP			A small temporary pond that drains a disturbed area so that sediment can settle out. The principle feature distinguishing a temporary sediment trap from a temporary sediment basin is the lack of a pipe or riser.
Sk	FLOATING SURFACE SUMMER			A buoyant device that releases/drains water from the surface of sediment ponds, traps, or basins at a controlled rate of flow.
Spb	SEEP BERM			Linear control device constructed as a diversion perpendicular to the direction of runoff to enhance dissipation and infiltration, while creating multiple sedimentation chambers with the employment of intermediate dikes.

STRUCTURAL PRACTICES

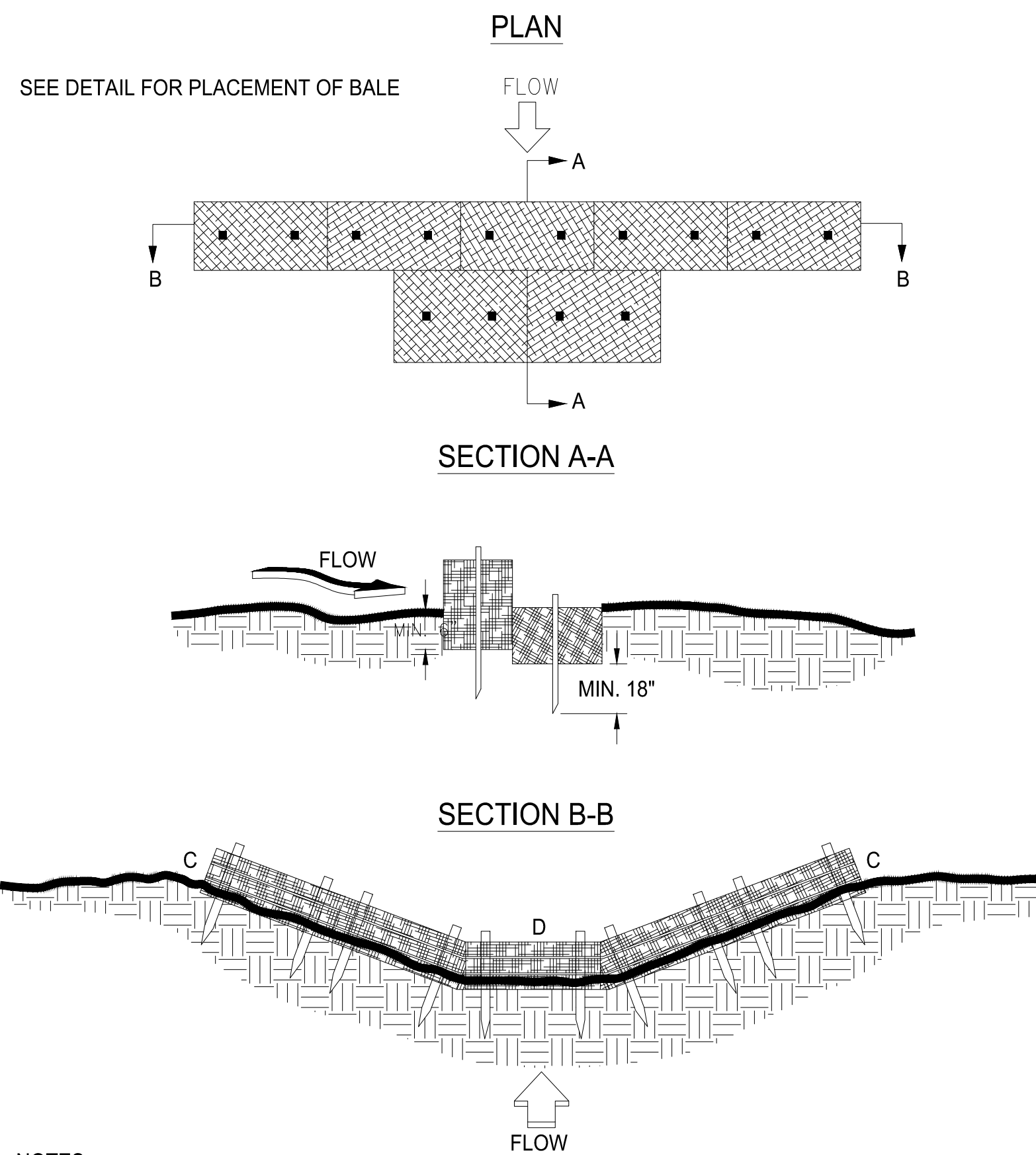
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Sr	TEMPORARY STREAM CROSSING			A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.
St	STORMRAIN OUTLET PROTECTION			A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
Su	SURFACE ROUGHENING			A rough soil surface with horizontal depressions on a contour or slopes left in a roughened condition after grading.
Tc	TURBIDITY CURTAIN			A floating or staked barrier installed within the water (it may also be referred to as a floating boom, silt barrier, or silt curtain).
Tp	TOPSOILING			The practice of stripping off the more fertile soil, storing it, then spreading it over the disturbed area after completion of construction activities.
Tr	TREE PROTECTION			To protect desirable trees from injury during construction activity.
Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL			Paved or vegetative water outlets for diversions, terraces, berms, dikes or similar structures.

VEGETATIVE PRACTICES

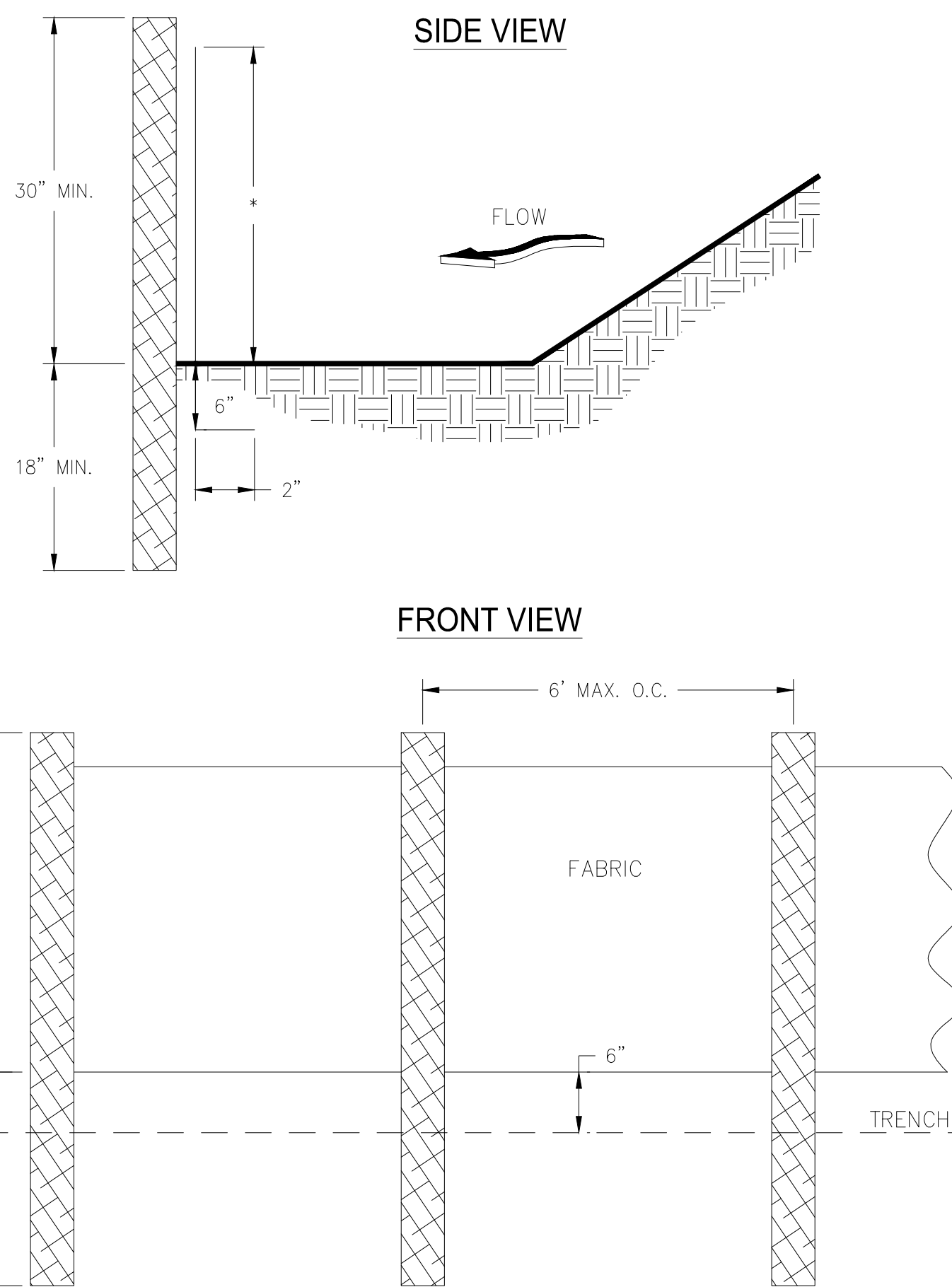
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Bf	BUFFER ZONE			Strip of undisturbed original vegetation, enhanced or restored existing vegetation or the reestablishment of vegetation surrounding an area of disturbance or bordering streams.
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)			Planting vegetation on dunes that are denuded artificially constructed, or re-nourished.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)			Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP. SEEDING)			Establishing a temporary vegetative cover with fast growing seedlings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM. SEEDING)			Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SEEDING)			A permanent vegetative cover using sods on highly erodible or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS			Controlling surface and air movement of dust on construction site, roadways and similar sites.
Fl-Co	FLOCCULANTS AND COAGULANTS			Substance formulated to assist in the solids/liquid separation of suspended particles in solution.
Sb	STREAMBANK STABILIZATION (USING PERM. VEGETATION)			The use of readily available native plant materials to maintain and enhance streambanks, or to prevent, or restore and repair small streambank erosion problems.
Ss	SLOPE STABILIZATION			A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.
Tac	TACKIFIERS AND BINDERS			Substance used to anchor straw or hay mulch by causing the organic material to bind together.

GoSWCC (Amended - 2013)

TYPICAL STRAW BALE CHECK DAM



Cd-Hb CHECK DAM - STRAW-BALE
N.T.S.



NOTES:

- USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
- HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

Sd1-NS SEDIMENT BARRIER - NON-SENSITIVE
N.T.S.

Du DUST SHALL BE CONTROLLED ON THIS SITE BY APPLYING A WATER SPRAY TO DISTURBED AREAS AS NEEDED.

Ds1 MULCHING RATES:
DRY STRAW OR HAY - SPREAD AT A RATE OF 2 1/2 TONS PER ACRE. WOOD WASTE, CHIPS, SAWDUST, OR BARK - SPREAD 2 TO 3 INCHES DEEP. EROSION CONTROL MATTING OR NETTING - APPLY IN ACCORDANCE WITH MFG. REC'S. CUTBACK ASPHALT, SLOW CURING - APPLY AT 1200 GALLONS PER ACRE. POLYETHYLENE FILM - SECURED OVER BANKS OR STOCKPILED SOIL MATERIAL FOR PROTECTION.

Ds2 TEMPORARY VEGETATIVE SPECIFICATIONS:
TEMP. GRASSING SHALL BEGIN 2 WEEKS FOLLOWING INITIAL DISTURBANCE.

SPECIES	RATE PER 1000 SQ.FT.	RATE PER ACRE	PLANTING DATES
RYE	3.9 POUNDS	3 BU.	9-1 TO 1-1
RYE GRASS, ANNUAL	1 POUND	40-50 lbs.	9-1 TO 4-15
SUDAN GRASS	1.4 POUNDS	60 lbs.	4-1 TO 10-1
BROWN TOP MILLET	1 POUND	40 lbs.	4-1 TO 7-15
WHEAT	4.1 POUNDS	3 BU.	10-1 TO 1-1

PERMANENT VEGETATIVE SPECIFICATIONS:

GRASS	SEEDING RATE	PLANTING DATES	FERTILIZER RATE N P K Year Per Acre
HULLED COMMON BERMUDA	8lbs./Ac	3-1 TO 6-15	6 12 12 1st. 1500 Lbs.
UNHULLED COMMON BERMUDA	10lbs./Ac	10-1 TO 3-1	SAME AS ABOVE
PENSACOLA BAHIA	60 Lb/Ac	Year Round	SAME AS ABOVE
MULCH - 2 1/2 TON/Ac.			
LIME - 1 TON/Ac.			



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GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Clinton S Terry
Level II Certified Design Professional

CERTIFICATION NUMBER: 0000084382
ISSUED: 11/03/2023 EXPIRES: 11/03/2026

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KEY PLAN

SHEET

C4.1 - ES&PC DETAILS

DESIGN: CST
DRAWING: JCR
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