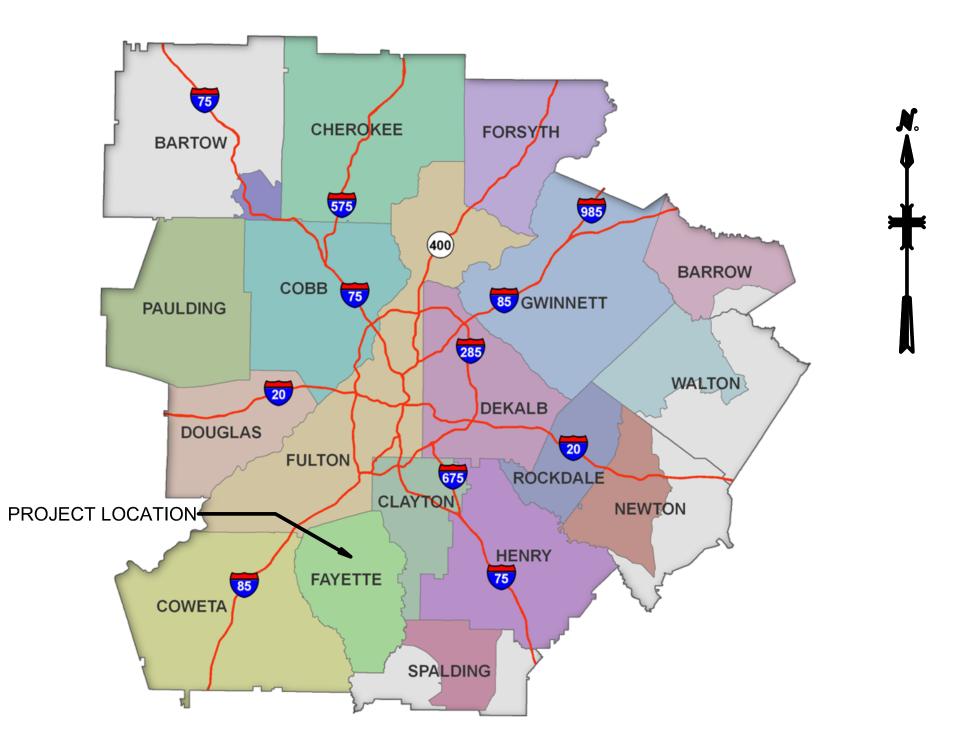
FCWS - TRILITH STUDIOS ELEVATED WATER STORAGE TANK

ISSUED FOR BID SEPTEMBER 2023



OWNER:



ENGINEER OF RECORD

VICINITY MAP NOT TO SCALE

LEGAL ENTITY: ARCADIS-U.S., INC.



Design & Consultancy for natural and built assets

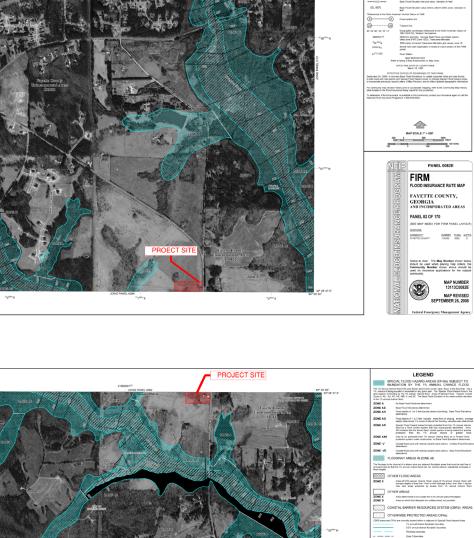
2839 PACES FERRY ROAD, SUITE 400, ATLANTA, GA 30339-3769 TEL: 770-431-8666 FAX: 770-435-2666 www.ARCADIS.com



PROJECT DESCRIPTION

THE TRILITH STUDIO IMPROVEMENT PROJECT INCLUDES THE CONSTRUCTION OF WATER TANK, AND ACCESS RAOD. THE EXISTING TRILITH STUDIOS SITE IS A MOVIE PRODUCTION CAMPUS THAT HAS MULTIPLE STAGE BUILDINGS FOR PRODUCTION. THE PROJECT AREA FOR THE WATER TANK IS ON AN EXISTING GRASSED HILL ADJACENT TO THE CEMETERY NEAR AN ENTRANCE OF THE TRILITH CAMPUS.





PRIMARY PERMITTEE & 24-HOUR CONTACT:

EMAIL: VTIGERT@FAYETTECOUNTYGA.GOV

Know what's **below**.

Call before you dig.

ARCADIS ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS (HORIZONTAL AND VERTICAL). THE EXISTING UTILITIES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER,

THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE

COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.

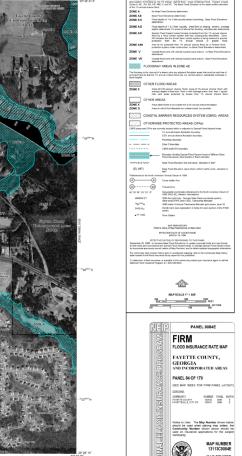
FAYETTE COUNTY WATER SYSTEM

ADDRESS: 245 MCDONOUGH RD.

VANESSA TIGERT

FAYETTEVILLE, GA 30214

PHONE: 770-320-6016



MAP NUMBER
13113C0084E
MAP REVISED
SEPTEMBER 26, 2008

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PROJECT STATUS: ISSUE FOR CONSTRUCTION 30135792 09/13/2023

ARCADIS

FAYETTE COUNTY, GEORGIA

FAYETTE COUNTY WATER SYSTEM

FAYETTE

FCWS-TRILITH STUDIOS ELEVATED WATER

STORAGE TANK

400 VETERANS PARKWAY

FAYETTEVILLE, GA 30214, **UNITED STATES**

REVISIONS

ARCADIS U.S., INC.

2839 PACES FERRY ROAD SUITE 900 ATLANTA, GA 30339

G-01 FILE NAME: T. THOMAS **DESIGNED BY** N. NIA

CHECKED BY: H. GILES SHEET TITLE

GENERAL

COVER SHEET AND SITE LOCATION

G-01

LOCATION MAP NOT TO SCALE

NTS

		DRAWING INDEX
	DRAWING NUMBER	DRAWING NAME
		GENERAL
)1	G - 01	COVER SHEET AND SITE LOCATION
)2	G - 02	DRAWING INDEX
		CIVIL
)3	C - 00	CIVIL NOTES, SYMBOLS AND ABBREVIATIONS
)4	C - 01	EXISTING CONDITIONS PLAN
)5	C - 02	OVERALL SITE PLAN
06	C - 03	INTERMEDIATE GRADING PLAN
)7	C - 04	FINAL GRADING PLAN
08	C - 05	UTILITY PLAN
)9	C - 06	ENLARGED UTILITY PLAN
10	C - 07	STORM SEWER PROFILES
11	C - 08	CIVIL DETAILS
12	ESC-01	EROSION & SEDIMENT CONTROL LEGEND & NOTES
13	ESC-02	SOIL MAP
14	ESC-03	EROSION AND SEDIMENT CONTROL - INITTIAL PHASE
15	ESC-04	EROSION AND SEDIMENT CONTROL - INTERMEDIATE PHASE
16	ESC-05	EROSION AND SEDIMENT CONTROL - FINAL PHASE
17	ESC-06	EROSION & SEDIMENT CONTROL DETAILS (SHEET 1 OF 3)
18	ESC-07	EROSION & SEDIMENT CONTROL DETAILS (SHEET 2 OF 3)
19	ESC-08	EROSION & SEDIMENT CONTROL DETAILS (SHEET 3 OF 3)
		PROCESS MECHANICAL
20	M - 01	MECHANICAL LEGENDS, SYMBOLS, AND ABBREVIATIONS
21	M - 02	ELEVATED STORAGE TANK PLAN
22	M - 03	ELEVATED STORAGE TANK SECTIONS
23	M - 04	MECHANICAL DETAILS

ARCADIS

LEGAL ENTITY:
ARCADIS U.S., INC.
2839 PACES FERRY ROAD
SUITE 900 ATLANTA, GA 30339
TEL: 770-431-8666
WWW.ARCADIS.COM

CONSULTANTS

FAYETTE COUNTY, GEORGIA FAYETTE COUNTY WATER SYSTEM



FCWS-TRILITH STUDIOS **ELEVATED WATER** STORAGE TANK

400 VETERANS PARKWAY, FAYETTEVILLE, GA 30214, UNITED STATES

REVISIONS

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PROJECT STATUS: ISSUE FOR CONSTRUCTION PROJECT NO.: 30135792

DATE: 09/13/2023 G-02 FILE NAME: DESIGNED BY:

T. THOMAS N. NIA DRAWN BY: H. GILES CHECKED BY:

SHEET TITLE

GENERAL

DRAWING INDEX

SCALE:

G-02

SHEET 2 OF 23

GENERAL NOTES

- 1. THE CONTRACTOR SHALL FURNISH ALL MATERIALS FOR, AND PROPERLY RESTORE ALL PAVEMENT, DRIVES, SIDEWALK, AND CURBS, WHICH MAY HAVE BEEN DAMAGED, REMOVED OR DISTURBED AS RESULT OF ACCOMPLISHING THE WORK.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING GRADES AND DIMENSIONS AND NOTIFYING THE ENGINEER IN ADVANCE AND IN WRITING OF ANY DISCREPANCIES PRIOR TO PERFORMING ANY WORK.
- 3. EXISTING UTILITY LOCATIONS SHOWN ARE BASED ON SURFACE OBSERVATION AND LIMITED DETECTION SERVICES. NOT ALL EXISTING UTILITIES ARE SHOWN ON THE DRAWING. CONTRACTOR IS RESPONSIBLE FOR DETERMINING BOTH THE EXACT LOCATION OF ALL EXISTING UTILITIES AND FOR DETERMINING THEIR PROTECTION DURING CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL OPERATIONS WITH ALL UTILITIES WHICH MAY BE IN CONFLICT WITH HIS WORK.
- 4. A COPY OF THE APPROVED SET OF CONSTRUCTION PLANS MUST BE ON THE JOBSITE AT ALL TIMES DURING CONSTRUCTION.
- 5. ALL EROSION AND SEDIMENTATION CONTROLS AND TREE PROTECTION SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBANCE ACTIVITY.
- 6. UNLESS NOTED OTHERWISE ALL CONSTRUCTION SHALL CONFORM TO THE FAYETTE COUNTY AND STATE OF GEORGIA STANDARDS AND SPECIFICATIONS.
- 7. WHERE SHOWN ON DRAWINGS ALL SUBSURFACE TOPOGRAPHICAL FEATURES WHICH INCLUDE GROUND WATER TABLE, PARTIALLY WEATHERED ROCK, AND ROCK SHOWN ARE APPROXIMATE. THE CONTRACTOR AT HIS EXPENSE SHALL CONDUCT ADDITIONAL SUBSURFACE SOIL EXPLORATION IF DEEMED NECESSARY.
- 8. THE CONTRACTOR SHALL COORDINATE, OBTAIN APPROVAL AND PROVIDE TEMPORARY TRAFFIC ROUTING PLANS PRIOR TO ANY LANE CLOSURES WITH THE FAYETTE COUNTY.
- 9. ALL WORK AROUND THE EXISTING UTILITIES AND UTILITY STRUCTURES WHETHER ABOVE OR BELOW GROUND SHALL BE PERFORMED IN A MANNER THAT WILL AVOID DAMAGE TO THE UTILITIES AND STRUCTURES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL ACCURATELY LOCATE ABOVE AND BELOW UTILITIES WHICH MAY BE AFFECTED BY THE WORK AND PROTECT ALL UTILITIES NOT DESIGNATED FOR REMOVAL, RESTORATION, OR REPLACEMENT IN THE COURSE OF CONSTRUCTION. PROVIDE 72 HOURS OF ADVANCE NOTICE TO THE UTILITY OWNER AND FAYETTE COUNTY PRIOR TO BEGINNING CONSTRUCTION IN THE VICINITY OF THE EXISTING UTILITIES. FOR EXISTING UTILITY LOCATION ASSISTANCE CALL THE UNDERGROUND UTILITIES PROTECTION CENTER (GA 811).
- 10. ANY DAMAGE TO EXISTING UTILITIES CAUSED BY THE CONTRACTOR, CONTRACTOR'S CREW AND/OR EQUIPMENT SHALL BE THE CONTRACTOR'S COST AND RESPONSIBILITY TO REPLACE PER OWNER'S STANDARDS AND SPECIFICATIONS.
- 11. THE REFUSE RESULTING FROM THE CLEARING AND GRUBBING OPERATION SHALL BE HAULED TO A DISPOSAL SITE SECURED BY THE CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL REQUIREMENTS OF FEDERAL, STATE, COUNTY AND MUNICIPAL REGULATIONS. NO DEBRIS OF ANY KIND SHALL BE DEPOSITED IN ANY STREAM OR BODY OF WATER, OR IN ANY STREET OR ALLEY. NO DEBRIS SHALL BE DEPOSITED UPON ANY PRIVATE PROPERTY EXCEPT BY WRITTEN CONSENT OF THE PROPERTY OWNER. IN NO CASE SHALL ANY MATERIAL BE LEFT ON THE PROJECT, SHOVED ONTO ABUTTING PRIVATE PROPERTIES OR BE BURIED IN THE EMBANKMENTS OR TRENCHES ON THE PROJECT.
- 12. FINISHED GRADING OF THE DISTURBED AREA SHALL BE ACCORDING TO CIVIL DRAWINGS. NO STANDING WATER OR PONDING OF ANY KIND IS ALLOWED. ALL DISTURBED AREA SHALL BE IMMEDIATELY GRASSED.
- 13. THE CONTRACTOR SHALL COMPLY WITH THE STATE OF GEORGIA MANUAL FOR EROSION AND SEDIMENT CONTROL STANDARDS, LATEST EDITION.
- 14. IN THE EVENT ACTIVE UTILITY SERVICES REQUIRE INTERRUPTION, THE CONTRACTORS SHALL COORDINATE AND CONSULT WITH THE OWNER OR/OWNERS AND OBTAIN APPROVAL FROM THEM PRIOR TO SERVICES BEING DISRUPTED.
- 15. THE CONTRACTOR SHALL ALL TIMES CONTROL DUST AND DEBRIS FROM THE OPERATIONS TO A LEVEL ACCEPTABLE TO FAYETTE COUNTY AND LOCAL BUSINESSES AT ALL TIMES.
- 16. ALL UTILITY WORK WITHIN THE FAYETTE COUNTY RIGHT OF WAY SHALL BE PERFORMED IN ACCORDANCE TO WHITFIELD COUNTY STANDARDS AND SPECIFICATIONS, LATEST EDITION. WORK ON THE SITE SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS.
- 17. TEMPORARY DISCONNECTION, REMOVAL AND/OR REPLACEMENT OF THE FOLLOWING ITEMS BUT NOT LIMITED TO, FIRE HYDRANTS, WATER METERS, BACK FLOW PREVENTION DEVICES, VAULTS, MANHOLE AND OTHER POTABLE WATER SYSTEM APPURTENANCES. ASSOCIATED APPURTENANCES SHALL BE IN STRICT ACCORDANCE WITH THE LATEST FAYETTE COUNTY STANDARDS AND SPECIFICATIONS. BEFORE CONNECTION, REMOVAL AND/OR REPLACEMENT OF ANY UTILITIES. THE CONTRACTOR SHALL CONTACT AND OBTAIN APPROVAL FROM FAYETTE COUNTY PUBLIC WORKS REPRESENTATIVES PRIOR TO CONSTRUCTION.
- 18. THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH FAYETTE COUNTY OR LOCAL AUTHORITY FIRE MARSHAL PRIOR TO REMOVING ANY FIRE HYDRANTS OR ANY FIRE PROTECTION UTILITIES. ANY WORK OR MATERIALS REQUIRED BY THE FIRE MARSHAL TO TEMPORARILY PROVIDE FOR FIRE PROTECTION TO THE LOCAL BUSINESS SHALL BE PART OF THE CONTRACTOR'S SCOPE OF WORK. "OUT-OF-SERVICE RINGS" WILL BE REQUIRED FOR HYDRANTS WHILE OUT OF SERVICE.
- 19. ALL EXCAVATION SHALL BE ADEQUATELY SHORED TO ENSURE WORKER SAFETY. ALL PIPE LAYING OPERATIONS SHALL COMPLY WITH OSHA REQUIREMENTS FOR TRENCH SAFETY.
- 20. MAINTENANCE AND TRAFFIC: THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL ROAD PERMITS FROM FAYETTE COUNTY INCLUDING PROVIDING ANY RESTORATION BONDS. THE CONTRACTOR SHALL PROVIDE A DETAILED PHASED TRAFFIC CONTROL PLAN BASED ON THE PROPOSED WORK PHASING AS DETERMINED BY THE CONTRACTOR.
- 21. 72 HOURS NOTICE IS REQUIRED TO GEORGIA 811 UTILITY PROTECTION CENTER BEFORE ANY PLANNED DIGGING. http://www.georgia811.com

STAKING NOTES

- 1. THE EXISTING TRILITH STUDIOS ENTRANCE AREA SHOWN IS BASED ON THE PROPOSED DESIGN BY
- 2. ALL UNDERGROUND UTILITY LOCATIONS SHOWN ARE BASED ON SURVEY. ALL UTILITY LOCATIONS SHOULD BE CONSIDERED APPROXIMATE AND THE CONTRACTOR SHALL FIELD VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION AND FABRICATION. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE RESULTING FROM THIS WORK.

GRADING NOTES:

- 1. CONTRACTOR SHALL NOT PERMIT EQUIPMENT TO BE USED IN SUCH A MANNER AS TO CAUSE EQUIPMENT TO EXCESSIVELY BUMP OR RUT THE SUBGRADE OR OTHER PREPARED AREAS.
- 2. CONTRACTOR SHALL GRADE IN A MANNER TO ESTABLISH LONG SMOOTH GRADIENTS IN ORDER TO REDUCE ABRUPT CHANGES, DIPS AND SHARP TRANSITIONS IN THE FINISHED GRADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE POSITIVE DRAINAGE ON GRADED SURFACE

AREAS AT 1% MINIMUM ON HARDSCAPE AT 2% MINIMUM ON GRADE UNLESS OTHERWISE INDICATED.

- 4. ANY REQUIRED DETENTION FACILITIES AND EROSION CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
- ELEVATIONS GIVEN ARE TO FINISH GRADE UNLESS OTHERWISE SHOWN.
- 6. SLOPE UNIFORMLY BETWEEN CONTOURS AND SPOT ELEVATIONS SHOWN
- 7. UNLESS SHOWN ON THE EROSION & SEDIMENT CONTROL PLANS AND / OR LANDSCAPING PLANS, ALL DISTURBED AREAS NOT RECEIVING A SURFACE SHALL BE COVERED IN GRASS.
- 8. GENERALLY TAKE STANDARD PRECAUTIONS TO PROTECT TREES. SEE LANDSCAPE DRAWINGS FOR TREE PROTECTION REQUIREMENTS WHEN APPLICABLE.

PROJECT COMPLETION

 PRIOR TO ACCEPTANCE AND FINAL PAYMENT, CONTRACTOR IS TO PROVIDE AN AS-BUILT SURVEY, WHICH IS A DRAWING PREPARED AND SIGNED BY A REGISTERED LAND SURVEYOR REGISTERED IN THE STATE OF GEORGIA ILLUSTRATING THE LOCATIONS, DIMENSIONS AND ELEVATIONS OF A DEVELOPMENT AS IT HAS BEEN CONSTRUCTED FOLLOWING COMPLETION OF CONSTRUCTION ON DIRECT FIELD MEASUREMENTS AND SHOWN TO SCALE.

LEGEND & SYMBOLS

---- EXISTING MAJOR CONTOUR -----801----- EXISTING MINOR CONTOUR ----- NYS ----- EXISTING SANITARY SEWER — UP — EXISTING UNDERGROUND POWER — W — EXISTING WATER LINE — uc — EXISTING UNDERGROUND COMMUNICATIONS EXISTING STORM SYSTEM EXISTING LANDSCAPE

EXISTING PAVEMENT

EXISTING CONCRETE ———800——— PROPOSED MAJOR CONTOUR — - - — PROPOSED PROPERTY LINE

— X — PROPOSED SILT FENCE

PROPOSED STORM SYSTEM

PROPOSED GRAVEL

CIVIL ABBREVIATIONS

FLR.

FTG.

FT.

GRD.

FLOOR

FEET

FOOTING

GROUND

GRATING APPROX. APPROXIMATE GRAT. ASPHALT GATE VALVE ASPH GV BUILDING HORIZ. HORIZONTAL BLDG. BOC BOTTOM OF CURB ID **INSIDE DIAMETER** CENTERLINE INCHES IN., ' **CATCH BASIN** INF. **INFLUENT** CB CLEANOUT INV. **INVERT** CO CONCRETE **JOINT** CONC. CONTINUED LF LINEAR FOOT/FEET COUPLING MAS **MASONRY** CPLG. CUBIC YARD(S) MAX. MAXIMUM CY DIATOMACEOUS EARTH MFR. MANUFACTURER DET. DETAIL MGD MILLION GALLONS PER DAY DI **DROP INLET** MH MANHOLE **DUCTILE IRON PIPE** MIN. MINIMUM DIP DIAMETER NC NORMALLY CLOSED DIA. DISCH. DISCHARGE NO NORMALLY OPEN DRAWING NO. NUMBER DWG EA. EACH OD **OUTSIDE DIAMETER** EFF. **EFFLUENT** PDW PROCESS DRAIN TO WASTE **EXPANSION JOINT POLYETHYLENE** EJ PΕ **ELEVATION** PG. PROPOSED GROUND ELEV. **ELECTRIC** PROP. **PROPOSED** EQ. **EQUAL** PSI POUNDS PER SQUARE INCH **EXISTING** REDUCER EXIST. FLOW CONTROL VALVE REINF. FCV **FLOOR DRAIN** REQ'D. REQUIRED FD **FOUNDATION** ROW RIGHT OF WAY FDN FIN. FINISHED SHT. SHEET FLEX. **FLEXIBLE** SS STAINLESS STEEL FLANGE FLG

TOC

THK.

TYP.

VERT.

REINFORCEMENT OR REINFORCE STD. STANDARD STRUC. STRUCTURAL

TOP OF CURB

THICK

WITH

TYPICAL

VERTICAL

FAYETTE COUNTY, GEORGIA FAYETTE COUNTY WATER SYSTEM

ARCADIS U.S., INC.

TE: 770-431-8666

CONSULTANTS

SEALS

WWW.ARCADIS.COM

2839 PACES FERRY ROAD

SUITE 900. ATLANTA. GA 30339



FCWS-TRILITH STUDIOS **ELEVATED WATER** STORAGE TANK

> **400 VETERANS PARKWAY** FAYETTEVILLE, GA 30214

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30135792 PROJECT NO .: 09/13/2023 FILE NAME: C-00 **DESIGNED BY:** T. THOMAS N. NIA DRAWN BY

PROJECT STATUS: ISSUE FOR CONSTRUCTION

D. WILSON

CIVIL

CHECKED BY: SHEET TITLE

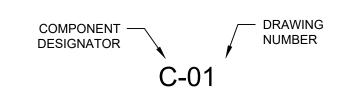
> CIVIL NOTES, SYMBOLS, & ABBREVIATIONS

SCALE:

C - 00**3** OF 23

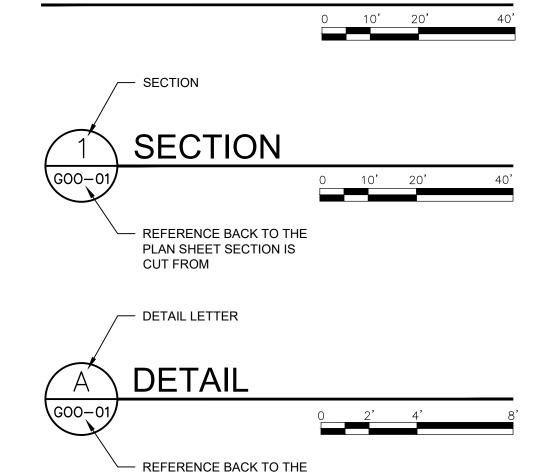
AS SHOWN

DRAWING NUMBER EXPLANATION



TITLE MARKERS

PLAN



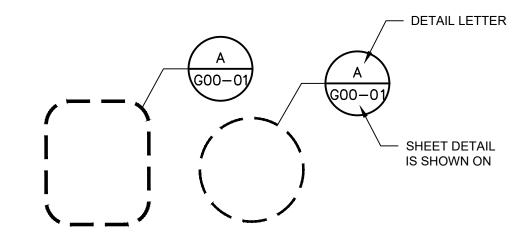
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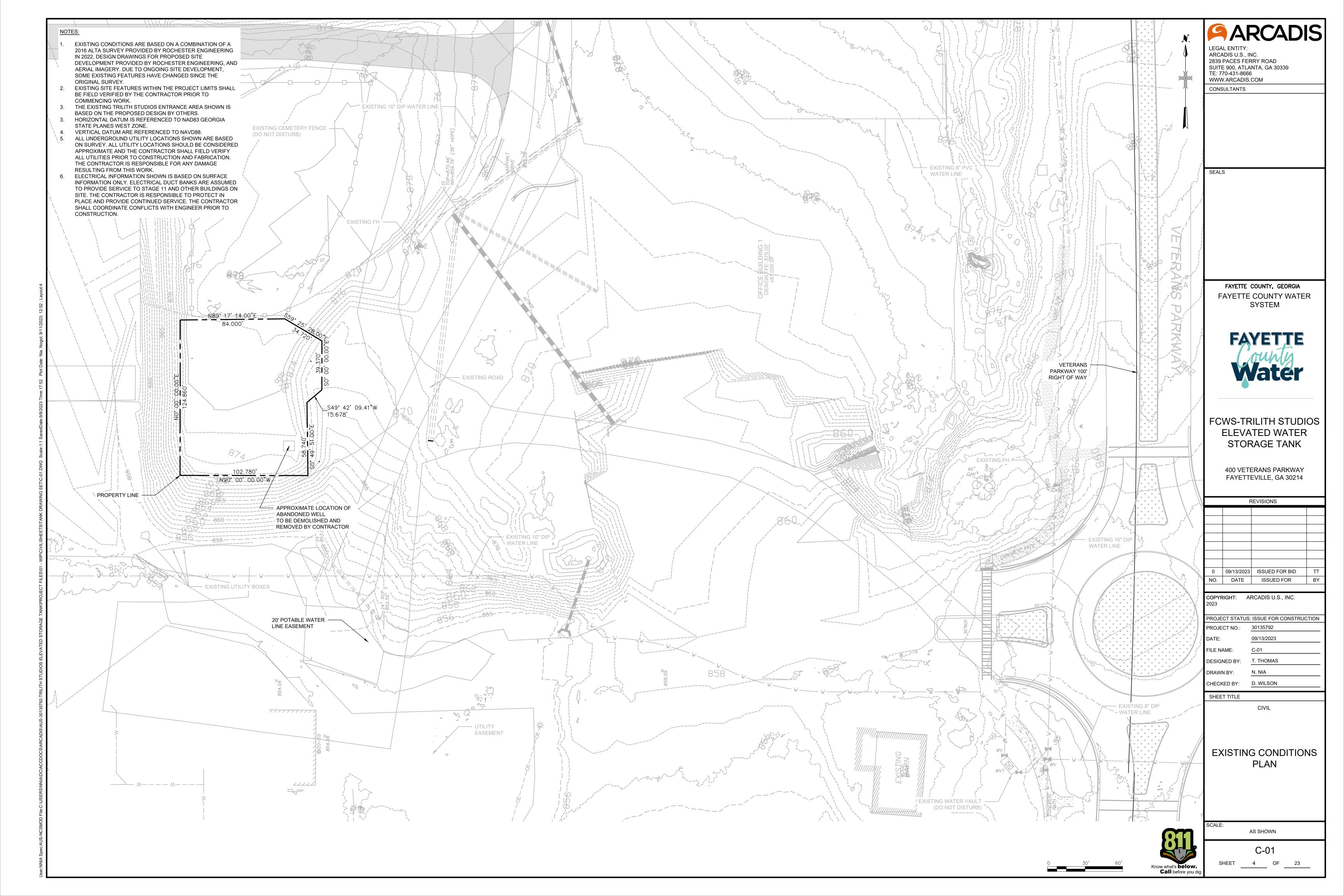
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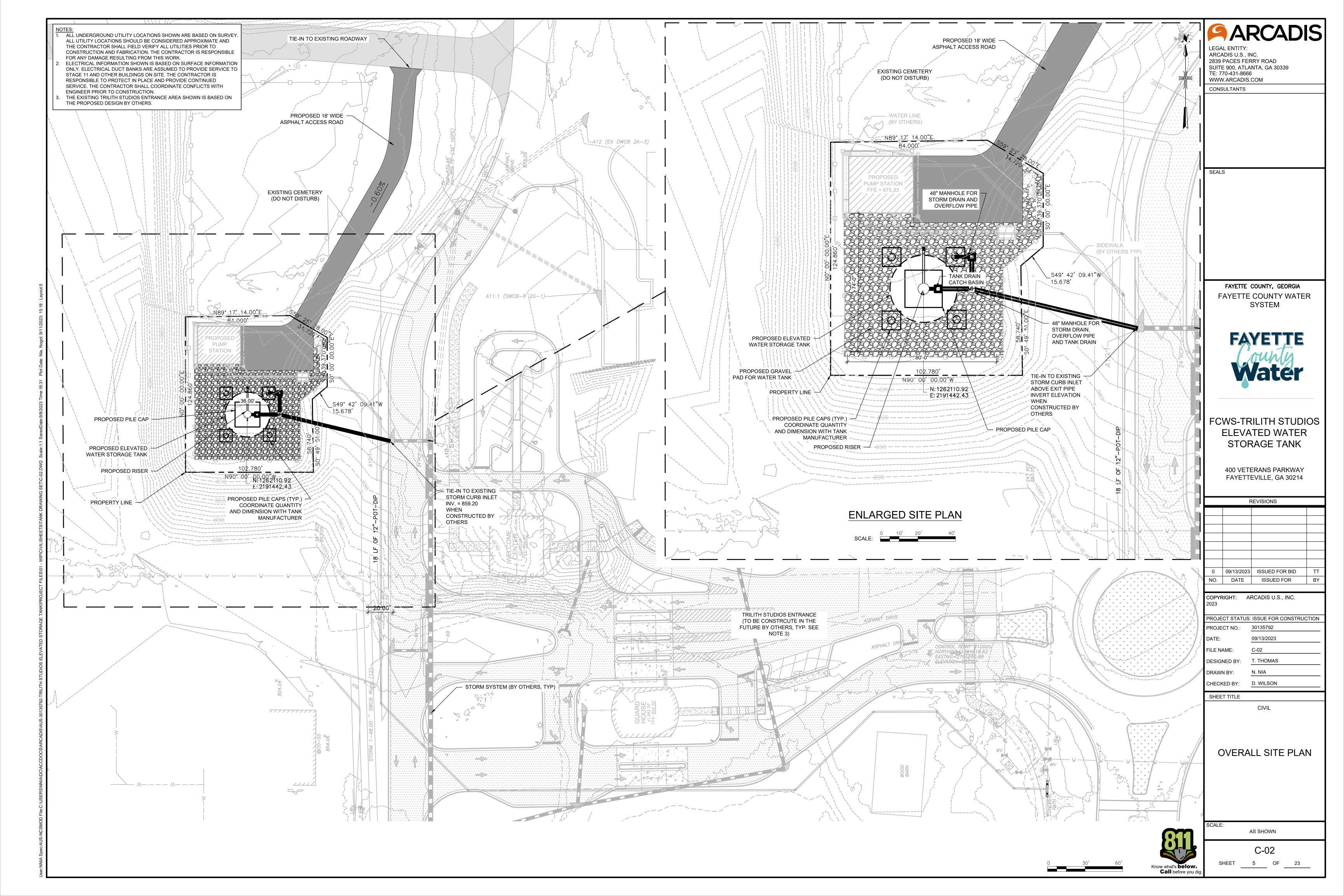


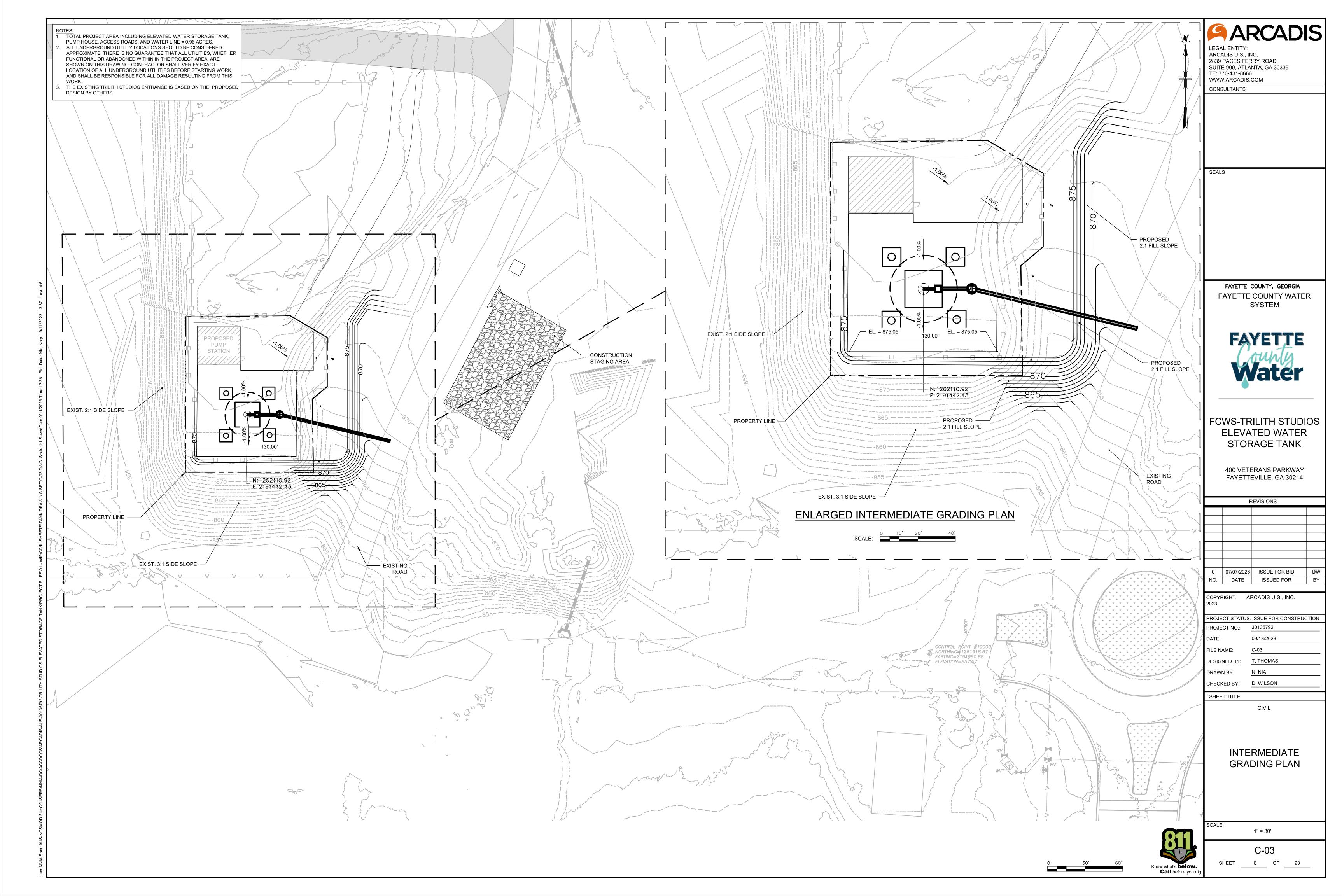
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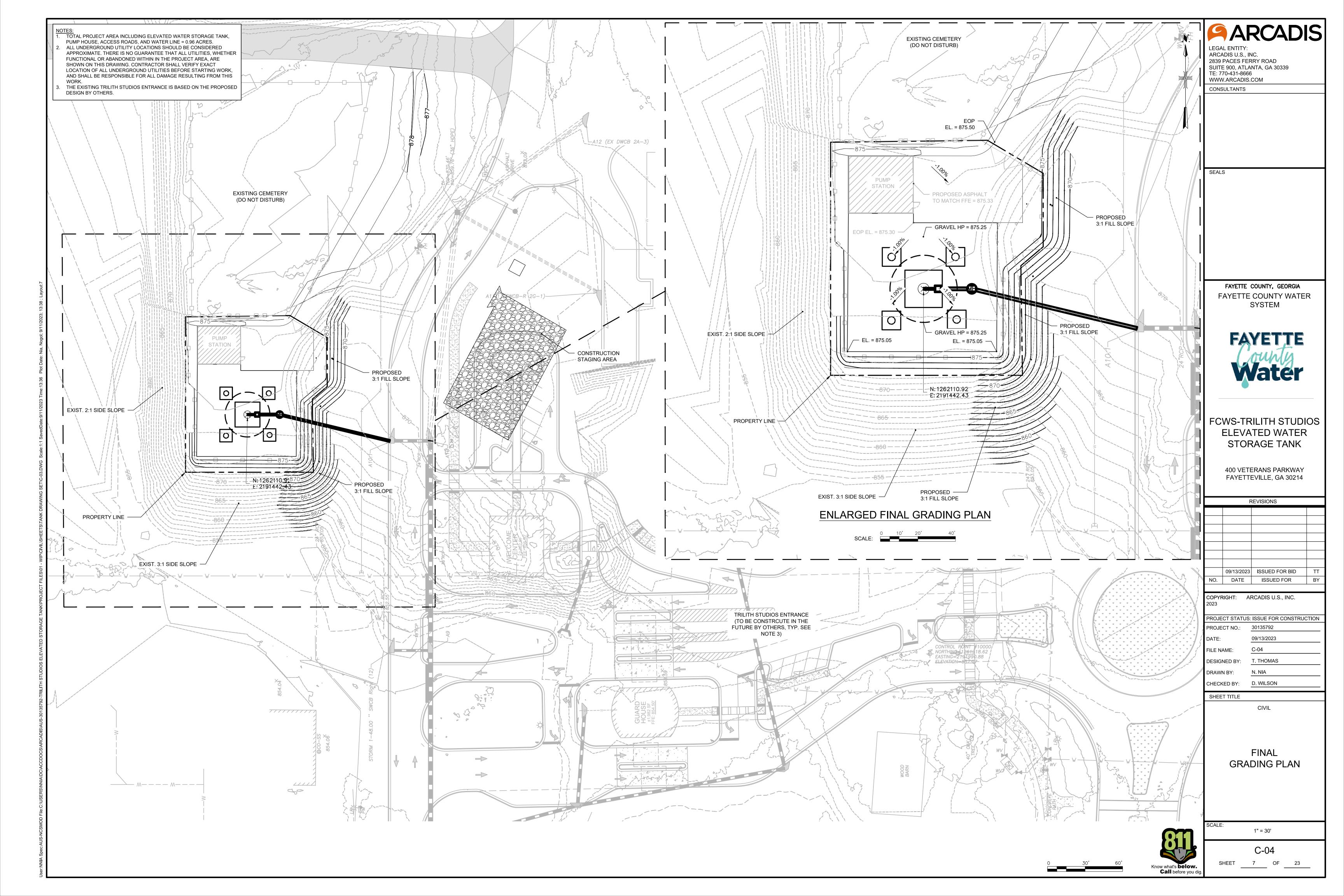
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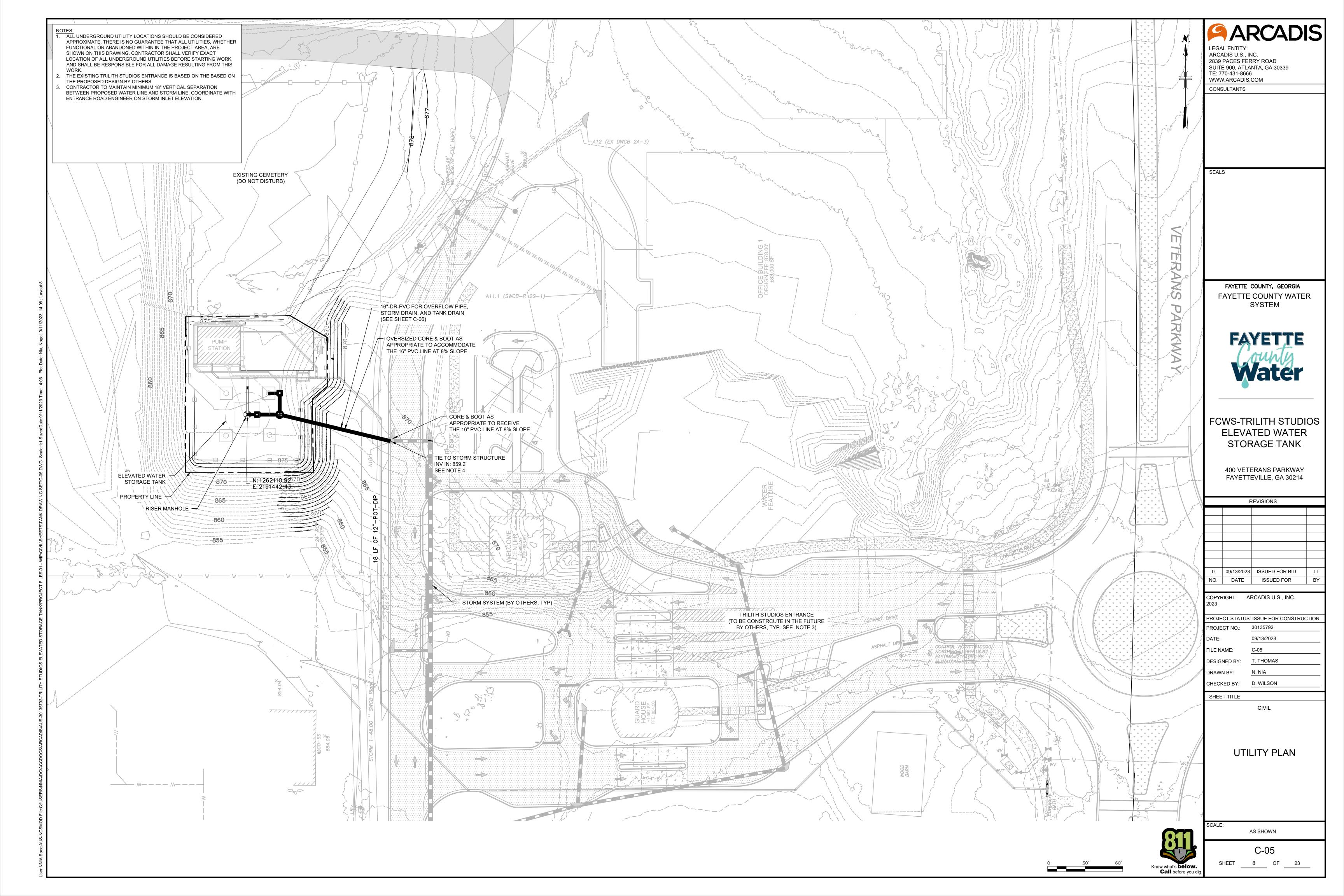


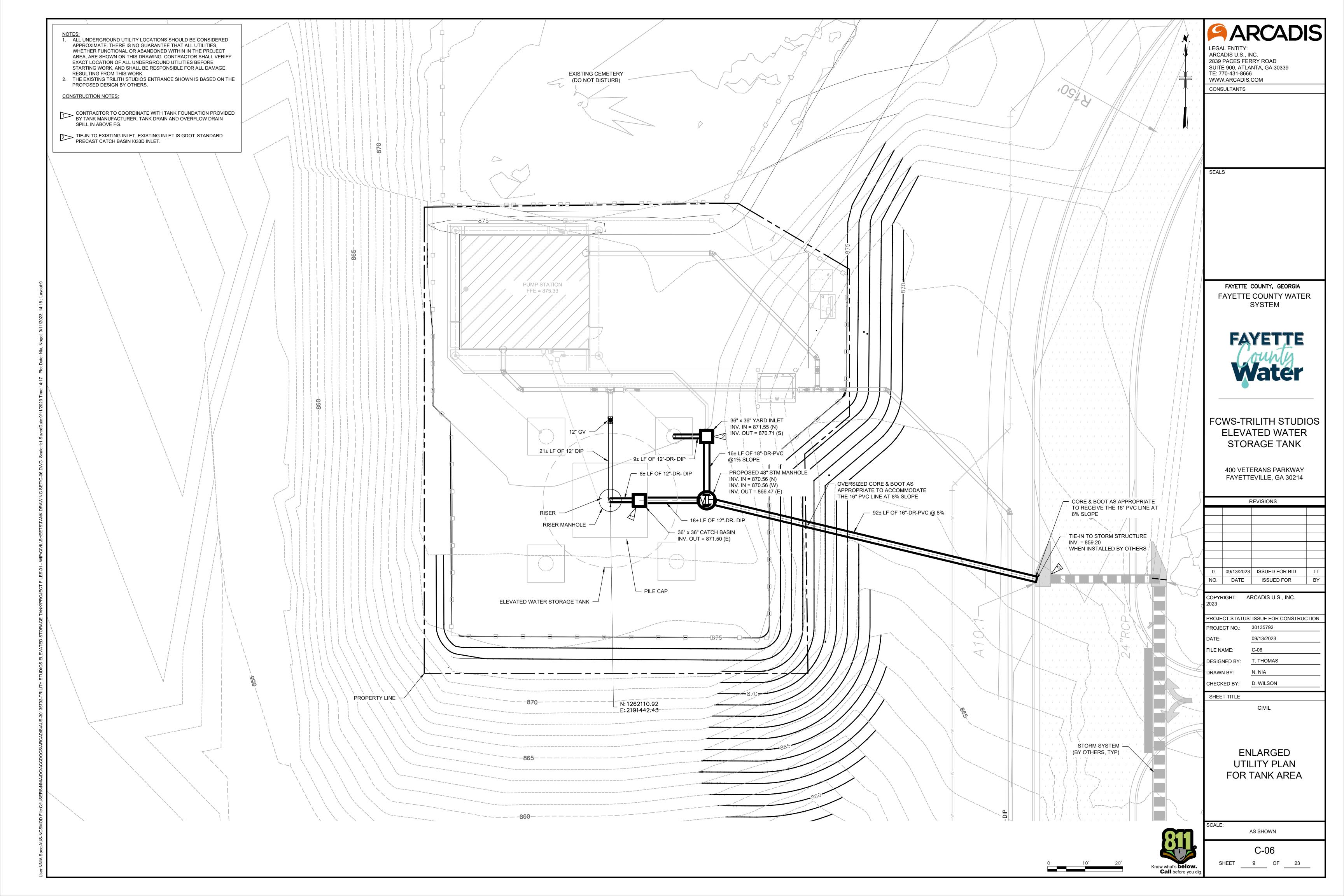


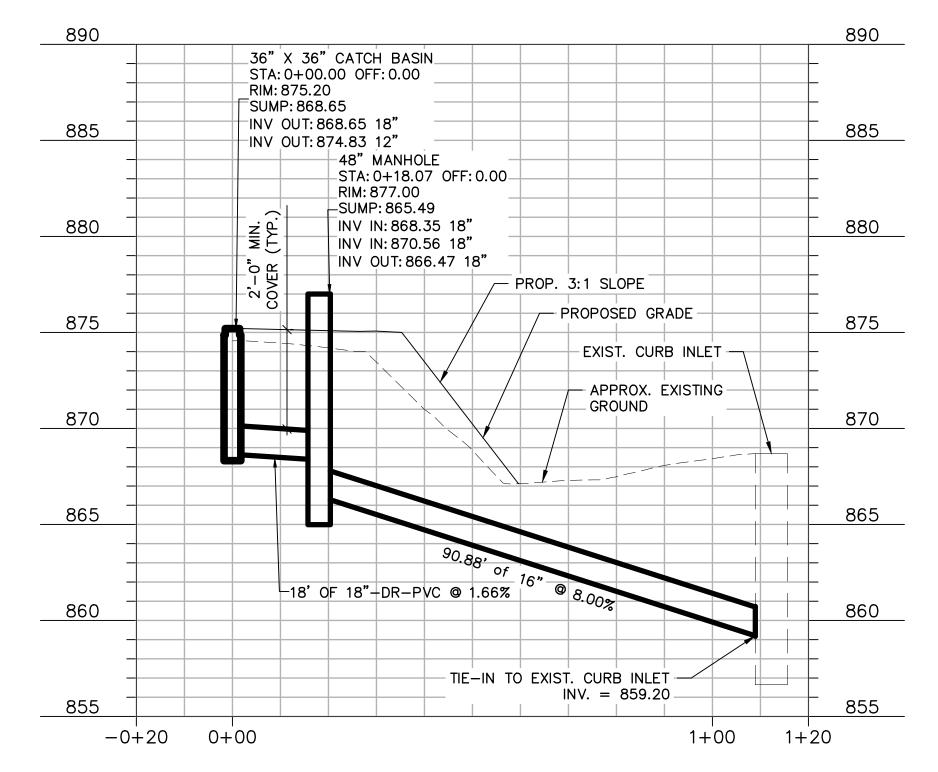












STORM SEWER LINE FROM TANK DRAIN CATCH BASIN TO EXISTING **GDOT CURB INLET**

ARCADIS

LEGAL ENTITY:
ARCADIS U.S., INC.
2839 PACES FERRY ROAD
SUITE 900, ATLANTA, GA 30339 TE: 770-431-8666 WWW.ARCADIS.COM

CONSULTANTS

FAYETTE COUNTY, GEORGIA FAYETTE COUNTY WATER SYSTEM



FCWS-TRILITH STUDIOS **ELEVATED WATER** STORAGE TANK

> 400 VETERANS PARKWAY FAYETTEVILLE, GA 30214

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PROJECT STATUS: ISSUE FOR CONSTRUCTION PROJECT NO.: 09/13/2023 FILE NAME:

T. THOMAS DRAWN BY: CHECKED BY: D. WILSON

SHEET TITLE

STORM SEWER **PROFILES**

AS SHOWN

SHEET 10 OF 23

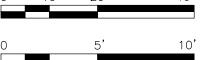
NOTES:

1. ALL UNDERGROUND UTILITY LOCATIONS SHOULD BE CONSIDERED APPROXIMATE. THERE IS NO GUARANTEE THAT ALL UTILITIES, WHETHER FUNCTIONAL OR ABANDONED WITHIN IN THE PROJECT AREA, ARE SHOWN ON THIS DRAWING. CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL UNDERGROUND UTILITIES BEFORE STARTING WORK, AND SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM THIS WORK.

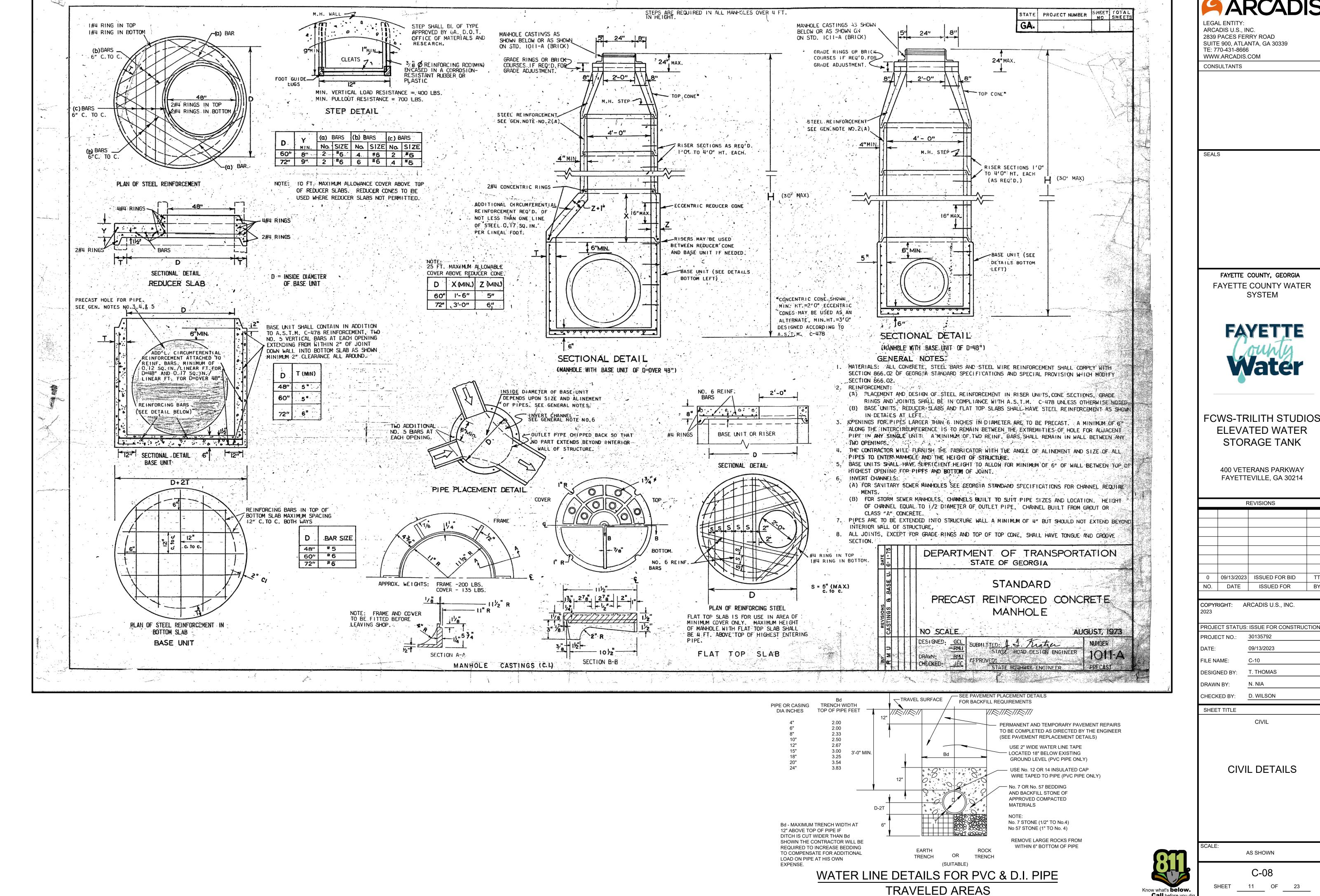
LEGEND

---- EXISTING GROUND PROPOSED GROUND

PROPOSED STORM SEWER PIPE







ARCADIS

11 OF 23 SHEET

Know what's **below.**

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
	CHECKDAM		J	A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.
Ch	CHANNEL STABILIZATION	9 9	7	Improving, constructing or stabilizing an open channel, existing stream, or ditch.
Co	CONSTRUCTION EXIT		(LABEL)	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		Cr , sign	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		Dn1 (LABEL)	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		Dn2 (LABEL)	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		Sr (LABEL)	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		Re	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		(LABEL)	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		TYPE (INDICATE TYPE)	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		Spb (LABEL)	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 SKIMMER		(LABEL)	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		Spb	A linear control device constructed as a diversion perpendicular to the direction of the runoff to enhance dissipation and infiltration of runoff, while creating multiple sedimentation chambers with the employment of intermediate dikes.

CONSTRUCTION SEQUENCE:

- 1. FOR EACH STAGE OF CONSTRUCTION THE FOLLOWING SEQUENCE WILL
- 1.1. CONFIRM LOCATIONS OF AND CONSTRUCT/INSTALL INITIAL EROSION AND SEDIMENT CONTROL BMPS WITHIN THE LIMITS OF THE STAGE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES ON SITE. INITIAL EROSION AND SEDIMENT CONTROL BMPS SHALL INCLUDE THE FOLLOWING: CONSTRUCTION FENCING, TREE PROTECTION FENCING, SILT FENCING, INLET SEDIMENT TRAPS, SAND BAG SEDIMENT BARRIER, AND CONSTRUCTION ENTRANCES. ALL EROSION AND SEDIMENT CONTROL BMPS TO BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS.
- 1.2. CLEAR AND GRUB TO THE LIMITS REQUIRED FOR CONSTRUCTION AND REMOVE EXISTING TREES AS SHOWN ON THE PLANS.
- 1.3. EXCAVATE TRENCHES FOR INSTALLATION OF THE WATER INFRASTRUCTURE PIPING, AS NECESSARY, CONSTRUCT PIPE DIVERSIONS TO DIVERT AND BYPASS RUNOFF FROM EXISTING
- 1.4. BEGIN INTERMEDIATE PHASE EXCAVATION AND GRADING ACTIVITIES AFTER ALL REQUIRED INITIAL EROSION CONTROL MEASURES HAVE BEEN INSTALLED AND CONSTRUCTED.
- 1.5. BEGIN CONSTRUCTION OF WATER TANK AND WATER INFRASTRUCTURE PIPING, UTILITY RELOCATIONS, CURB AND GUTTER, DRIVEWAYS, ROADWAYS, AND REMAINING STRUCTURES AS SHOWN ON PLANS. INSTALL INLET PROTECTION AS SHOWN ON
- 1.6. ESTABLISH FINISHED GRADES AT EARLIEST POSSIBLE DATE.

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Sr	TEMPORARY STREAM CROSSING		(LABEL)	A temporary bridge or culvert—type structure protecting a stream or watercourse from damag by crossing construction equipment.
St	STORMDRAIN OUTLET PROTECTION		St	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		⊢(Su)—I	A rough soil surface with horizontal depressions on a contour or slopes left in a roughened condition after grading.
Tc	TURBIDITY CURTAIN		Tc	A floating or staked barrier installed within the water (it may also be referred to as a floating boom, silt barrier, or silt curtain).
Тр	TOPSOILING		(SHOW STRIPING AND STORAGE AREAS)	The practice of stripping off the more fertile soil, storing it, then spreading it over the disturbed are after completion of construction activities.
Tr	TREE PROTECTION	\odot	(DENOTE TREE CENTERS)	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		Bf (LABEL)	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)	34444444444444444444444444444444444444	Cs	Planting vegetation on dunes that are denuded, artificially constructed, or re—nourished.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	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)		Ds2	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	11/1/10 B	Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SODDING)		Ds4	A permanent vegetative cover using sods on highly erodable or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.
FI-Co	FLOCCULANTS AND COAGULANTS		FI-Co	Substance formulated to assist in the solids/liquid separation of suspended particles in solution.
Sb	STREAMBANK STABILIZATION (USING PERM VEGETATION)		Sb	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		Ss	A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.
Tac	TACKIFIERS AND BINDERS		Tac	Substance used to anchor straw or hay mulch by causing the organic material to bind together.

DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY VEGETATION AND MULCH IF LAND-DISTURBING ACTIVITIES CEASE FOR MORE THAN 14 CALENDAR DAYS IN ACCORDANCE WITH NPDES REQUIREMENTS. ONCE FINAL GRADES ARE ESTABLISHED, APPLY PERMANENT SOIL STABILIZATION IN ACCORDANCE WITH PLANS. ANY DISTURBED AREA REMAINING IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

- 2. THE FOLLOWING SHALL APPLY AFTER ALL CONSTRUCTION STAGES ARE
- 2.1. AFTER FINAL STABILIZATION FOR THE PROJECT AS DEFINED BY NPDES GAR100001 IS ACHIEVED, RETURN TO THE SITE AND REMOVE ALL TEMPORARY MEASURES INCLUDING SILT FENCES, SEDIMENT TRAPS, AND DIVERSIONS. INSTALL PERMANENT VEGETATION TO ALL AREAS (EXCEPT IMPERVIOUS SURFACES) DISTURBED BY THE TEMPORARY MEASURES.
- 2.2. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES INCLUDING CONSTRUCTION FENCING, TREE PROTECTION FENCING, AND CONSTRUCTION ENTRANCES WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION.

MANAGEMENT PLAN

- ALL EROSION CONTROL MEASURES SHALL BE INSPECTED DAILY AND AFTER EVERY RAINFALL ALL NEEDED REPAIRS SHALL BE MADE IMMEDIATELY TO PREVENT FURTHER DAMAGE AND EROSION. STRUCTURES THAT SHALL BE INSPECTED INCLUDE:
- SEDIMENT BARRIER SEDIMENT SHALL BE REMOVED ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER. SEDIMENT BARRIERS SHALL BE REPLACED PER MANUFACTURER'S RECOMMENDATIONS OR THE HEIGHT OF THE PRODUCT IS NOT MAINTAINING
- STORM DRAIN INLET PROTECTION INSPECT STONE FILTER RING INLET STRUCTURE AFTER HEAVY RAINS TO SEE IF ANY EROSION AROUND OR BELOW THE FILTER RING HAS TAKEN PLACE OR IF STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT
- SLOPE STABILIZATION ALL EROSION CONTROL BLANKETS AND MATTING SHOULD BE INSPECTED PERIODICALLY FOLLOWING INSTALLATION, PARTICULARLY AFTER RAINSTORMS TO CHECK FOR EROSION AND UNDERMINING. ANY DISLOCATION OR FAILURE SHOULD BE REPAIRED IMMEDIATELY. IF WASHOUTS OR BREAKAGE OCCURS, REINSTALL THE MATERIAL AFTER REPAIRING DAMAGE TO THE SLOPE OR DITCH. CONTINUE TO MONITOR THESE AREAS UNTIL
- INLET SEDIMENT TRAP TRAP SHOULD BE CLEANED OUT AFTER HEAVY RAIN EVENTS. SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE TRAP.
- SEEDING, FERTILIZING, AND MULCHING SEEDED AREAS SHALL BE INSPECTED FOR FAILURE AND NECESSARY REPAIRS SHALL BE MADE IMMEDIATELY
- CONSTRUCTION ENTRANCE/EXIT INSPECT CONSTRUCTION ROAD SURFACE DAILY, MAINTAIN WHEN NEEDED IN A CONDITION TO PREVENT SEDIMENT AND TOPSOIL FROM LEAVING THE SITE.

DESCRIPTION OF BMP'S:

- DURING INITIAL PHASE OF CONSTRUCTION SILT FENCE, INLET PROTECTION, STONE CHECK DAMS AND FILTER RINGS WILL BE INCORPORATED TO PREVENT SEDIMENTS ESCAPING THE
- DURING INTERMEDIATE PHASE, USE OF SILT FENCE, INLET PROTECTION, TEMPORARY STABILIZATION PRACTICES, DUST CONTROL, CHECK DAMS, AND FILTER RING WILL BE
- DURING FINAL PHASE ALL NON IMPERVIOUS DISTURBED AREAS WILL BE STABILIZED USING PERMANENT STABILIZATION PRACTICES.

SITE NOTES:

- 1. PROJECT IS LOCATED IN FAYETTE COUNTY WITHIN THE CITY OF FAYETTEVILLE, GEORGIA.
- PROJECT LATITUDE/LONGITUDE: (33.469325, -84.511536)
- APPROXIMATE TOTAL DISTURBED ACREAGE OF THE TRILITH STUDIOS ELEVATED WATER TANK
- THE STORMWATER RUNOFF FOR THIS PROJECT FLOWS INTO TRILITH STUDIO'S POND #5 WHICH DISCHARGES TO SANDY CREEK. SEE STORMWATER MANAGEMENT REPORT ISSUED BY ROCHESTER & ASSOCIATES FOR DETAILS.
- IT IS ANTICIPATED THAT THE PROJECT WILL NOT HAVE ANY BUFFER ENCROACHMENTS AND BUFFER VARIANCE WILL NOT BE REQUIRED.
- WETLAND CERTIFICATION: THE DESIGN PROFESSIONAL, WHOSE SEAL APPEARS HEREON CERTIFIES THE FOLLOWING: THE NATIONAL WETLAND INVENTORY MAPS HAVE BEEN CONSULTED; AND, WETLANDS ARE INDICATED ON THE PROPERTY; HOWEVER, NO PORTION OF PROPOSED PROJECT AND DISTURBED AREA IS WITHIN THE WETLAND AREA. THE LAND DISTURBANCE OF PROTECTED WETLAND SHALL NOT OCCUR.
- NO PORTION OF THIS SITE LIES WITHIN A SPECIAL FLOOD HAZARD ZONE "AE" OR "A". THE SITE LIES WITHIN THE FIRM MAPS OF THE CITY OF FAYETTEVILLE FLOOD INSURANCE STUDY. FIRM MAP NUMBERS: 13113C0082E AND 13113COO84E, EFFECTIVE DATE: SEPTEMBER 26, 2008.
- MAINTENANCE AND TRAFFIC: THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL ROAD PERMITS FROM CITY OF FAYETTEVILLE AS NECESSARY
- PRIMARY PERMITTEE & 24-HOUR CONTACT: VANESSA TIGERT FAYETTE COUNTY WATER SYSTEM ADDRESS: 245 MCDONOUGH RD.
 - FAYETTEVILLE, GA 30214 PHONE: 770-320-6016 EMAIL: VTIGERT@FAYETTECOUNTYGA.GOV

EROSION CONTROL

- EROSION CONTROL PRACTICES MUST COMPLY WITH THE MINIMUM BEST MANAGEMENT PRACTICES FOR EROSION CONTROL AND SHALL COMPLY WITH THE STANDARDS /
 SPECIFICATIONS IN THE "MANUAL FOR EROSION CONTROL AND SEDIMENT CONTROL IN
- EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO
- PERMANENT VEGETATION SHALL BE PLACED AT ALL AREAS GRADED TO FINAL GRADE IMMEDIATELY UPON COMPLETION. WHEN HAND PLANTING, MULCH (HAY OR STRAW) SHOULD BE UNIFORMLY SPREAD OVER SEEDED AREA WITHIN 24 HOURS OF SEEDING. DURING UNSUITABLE GROWING SEASONS, MULCH WILL BE USED AS A TEMPORARY COVER (DS1). ON SLOPES THAT ARE 2:1 OR STEEPER, MULCH WILL BE ANCHORED.
- IN CONCENTRATED FLOW AREAS, ALL SLOPES STEEPER THAN 2.5:1 AND WITH THE HEIGHT TEN FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFER, SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKET
- SEDIMENT / EROSION CONTROL DEVICES MUST BE CHECKED AFTER EACH STORM EVENT EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN ANY ADDITIONAL EROSION CONTROL MEASURES AS DIRECTED BY THE GOVERNING JURISDICTION AND/OR THE ENGINEER.
- THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL DEVICES AND ENSURE THAT THEY ARE PROPERLY FUNCTIONING PRIOR TO ANY LAND DISTURBANCE ACTIVITIES.
- AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPS WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
- 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
- EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION APPROVED TO CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR
- 10. ANY DISTURBED AREAS LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
- 11. BUILDING MATERIALS AND BUILDING PRODUCTS NOT IN USE SHALL BE COVERED BY HEAVY

		CONSTR	RUCTION SCHEDU	JLE		
ACTIVITY	MONTH 2	MONTH 4	MONTH 6	MONTH 8	MONTH 10	MONTH 12
SITE PREPARATION						
EROSION CONTROL						
TANK AND WATER INFRASTRUCTURE INSTALLATION						
PAVEMENT REPLACEMENT						
RESTORATION						

TREE PROTECTION

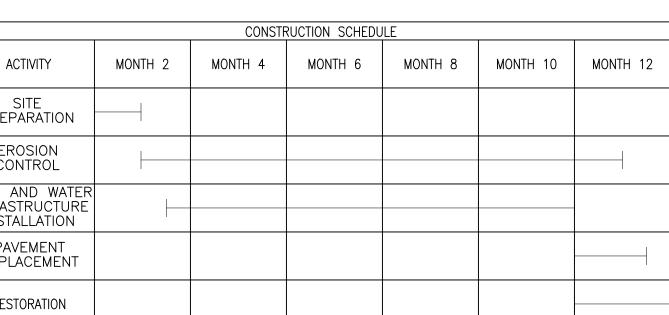
- WHEN DIGGING NEAR TREES, THE CONTRACTOR SHALL PRUNE ALL EXPOSED ROOTS ONE INCH IN DIAMETER OR LARGER ON THE SIDE OF THE TRENCH ADJACENT TO THE TREES. PRUNING SHALL CONSIST OF MAKING A CLEAN CUT FLUSH WITH THE SIDE OF THE TRENCH TO PROMOTE NEW ROOT GROWTH.
- 2. THE CONTRACTOR SHALL PROTECT ALL TREES AND VEGETATION ON SITE EXCEPT AS APPROVED BY THE ENGINEER AND/OR FAYETTE COUNTY.
- PROTECT THE TRUNKS OF ANY TREES BEING PRESERVED WITHIN THE TEMPORARY OR PERMANENT EASEMENTS WITH STRAPPED ON PLANKING OR SIMILAR PROTECTIVE DEVICE.
- 4. TREE PROTECTION DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY CLEARING GRUBBING OR GRADING IF REQUIRED.

POLLUTION CONTROLS

- BMP'S SUCH AS CONSTRUCTION EXITS, WATERING STATIONS, AND SWEEPERS MAY BE JTILIZED TO MINIMIZE OFF-SITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF
- 2. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY
- PETROLEUM BASED PRODUCTS- CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.
- 3.1. SOLVENTS- ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
- 3.2. CONCRETE TRUCK WASHING- WASHOUT OF CONCRETE DRUMS AT THE CONSTRUCTION SITE IS PROHIBITED. CONTRACTOR IS TO SELECT LOCATIONS ON THE SITE FOR CONCRETE WASH DOWN THAT MEET THE CONDITIONS OF THE NPDES STAND ALONE PERMIT. CONCRETE WASH DOWN AREA SHOULD BE OUTSIDE OF THE AREA THAT IS MARKED FOR EXCAVATION. CONTRACTOR SHALL SELECT AN EPA RECOMMENDED WASHOUT BMP TO BE USED AND SUBMIT LOCATIONS AND WASH OUT BMP TYPE FOR ENGINEER'S APPROVAL WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.
- 3.3. FERTILIZER/HERBICIDES- THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN
- 3.4. CONSTRUCTION MATERIALS- NO CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF ACCORDING TO APPLICABLE STATE AND LOCAL REGULATIONS.
- 3.5. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- SOIL CLEANUP AND CONTROL PRACTICES
 4.1. LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES MADE AVAILABLE TO SITE PERSONNEL.
- 4.2. MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO: BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPÉRTY LABELÉD PLASTIC AND METAL WASTE CONTAINERS.
- 4.3. SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND
- 4.4. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.
- 4.5. FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BÈ CONTACTED WITHIN 24 HOURS AT
- 4.6. FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS A 1-800-424-8802
- 4.7. FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.
- 4.8. FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.
- 4.9. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY A LICENSED
- 5. A PORTABLE SANITARY WASTE UNIT WILL BE ONSITE TO COLLECT SANITARY WASTE DURING

PROJECT DESCRIPTION

THE TRILITH STUDIO IMPROVEMENT PROJECT INCLUDES THE CONSTRUCTION OF WATER LINES, WATER TANK, AND ACCESS RAOD. THE EXISTING TRILITH STUDIOS SITE IS A MOVIE PRODUCTION CAMPUS THAT HAS MULTIPLE STAGE BUILDINGS FOR PRODUCTION. THE PROJECT AREA FOR THE WATER TANK IS ON AN EXISTING GRASSED HILL ADJACENT TO THE CEMETERY NEAR AN ENTRANCE OF THE TRILITH CAMPUS.



FAYETTE COUNTY, GEORGIA **FAYETTE COUNTY WATER** SYSTEM

ARCADIS U.S., INC.

TE: 770-431-8666 WWW.ARCADIS.COM

CONSULTANTS

SEALS

2839 PACES FERRY ROAD

SUITE 900, ATLANTA, GA 30339



FCWS-TRILITH STUDIOS **ELEVATED WATER** STORAGE TANK

> **400 VETERANS PARKWAY** FAYETTEVILLE, GA 30214

REVISIONS 0 09/13/2023 ISSUED FOR BID DATE ISSUED FOR

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PROJECT STATUS: ISSUE FOR CONSTRUCTION PROJECT NO.: 09/13/2023 ESC-01 FILE NAME:

T. THOMAS DESIGNED BY: N. NIA DRAWN BY D. WILSON CHECKED BY:

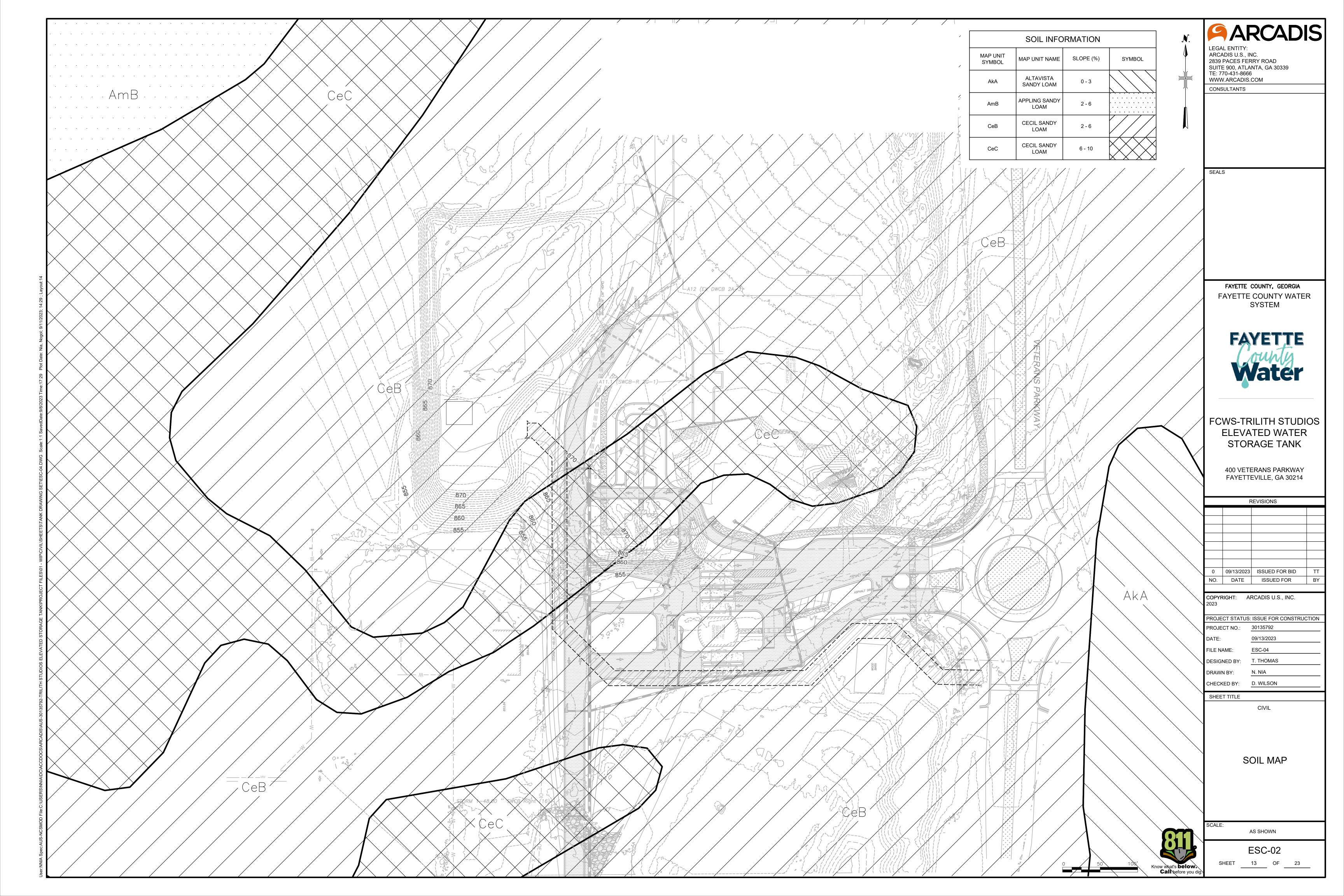
> SHEET TITLE **EROSION & SEDIMENT CONTROL**

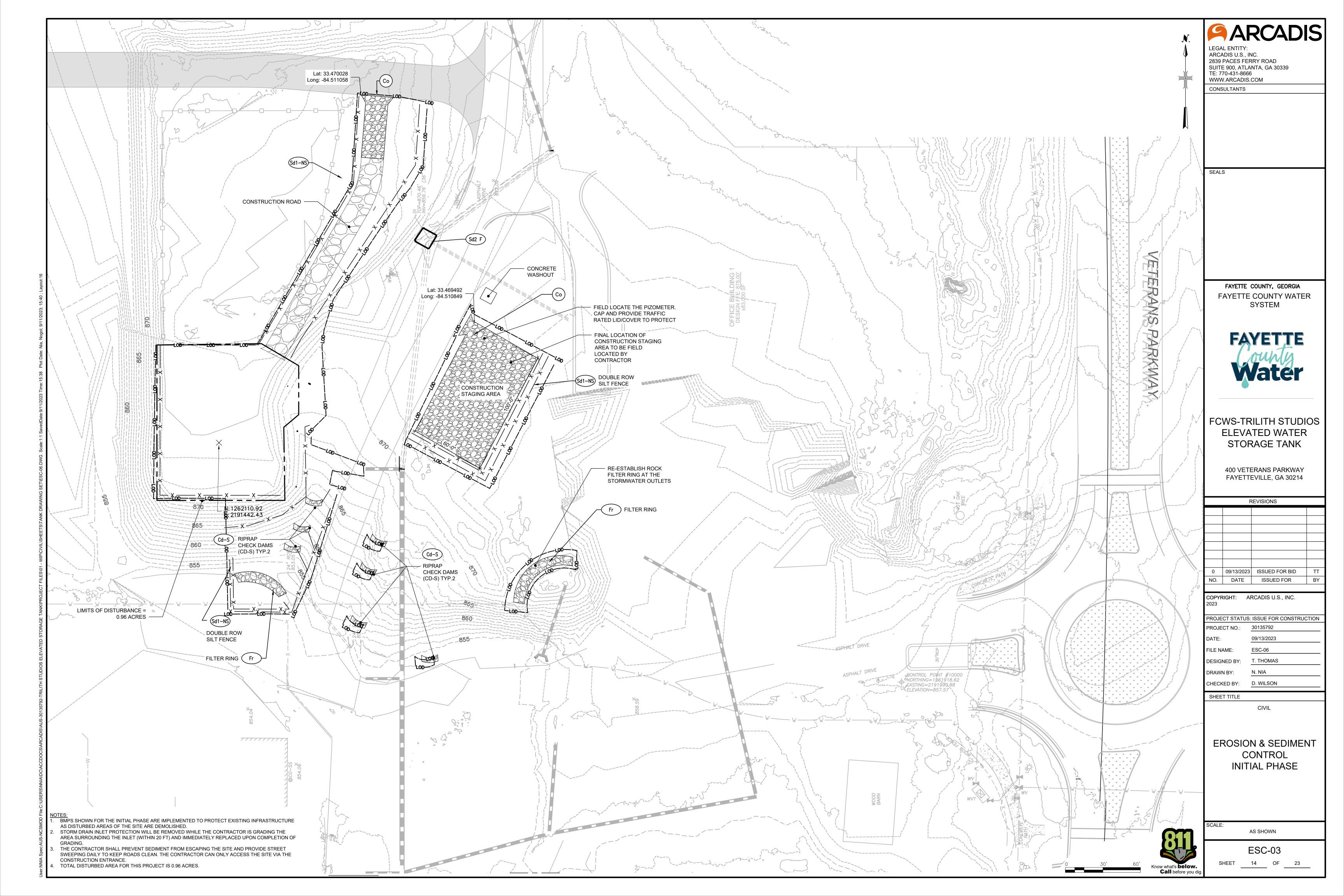
EROSION & SEDIMENT CONTROL LEGEND & NOTES

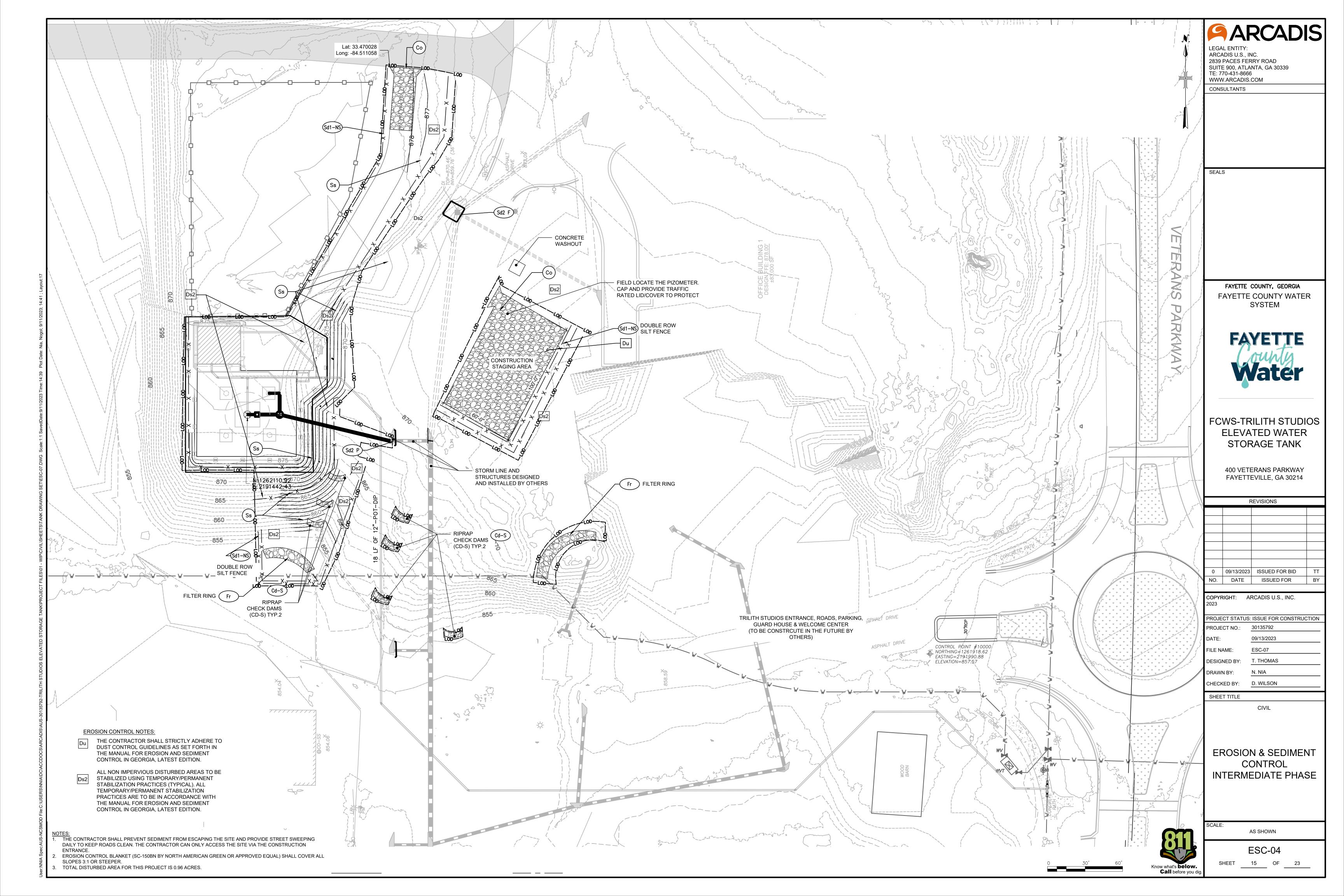


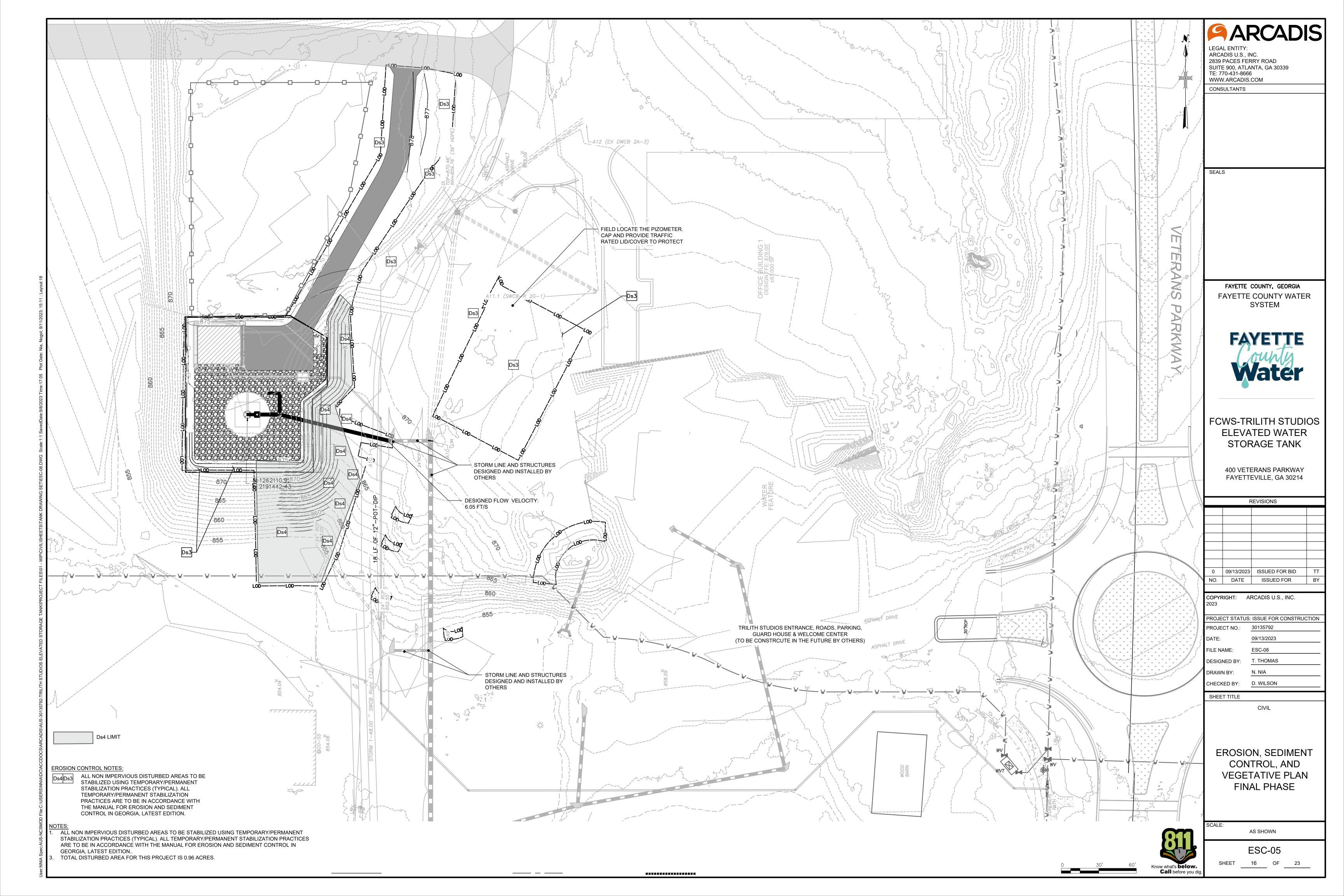
AS SHOWN

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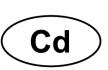


1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION,

2. SILT FENCE - TYPE NON-SENSITIVE (SD1-NS) SHALL MEET THE SPECIFICATIONS OF SILT FENCE, TYPE A AS DESCRIBED IN SECTION 171 OF THE "GDOT STANDARD SPECIFICATIONS CONSTRUCTION OF TRANSPORTATION SYSTEMS", 2013 EDITION. 3. Sd1-NS = TYPE A SILT FENCE.

SILT FENCE -





Stone Check Dams Cd-S

- Drainage area not to exceed 2 acres.
- Constructed of graded size 2"-10" stone.
- The center of the check dam should be at least 9" lower than the outer edges.
- The dam height should be a maximum of 2 ft from the center to the rim edge.
- Place a suitable geotextile between the graded stone and the soil base and abutments.

STONE CHECK DAM SPACING BETWEEN CHECK DAMS

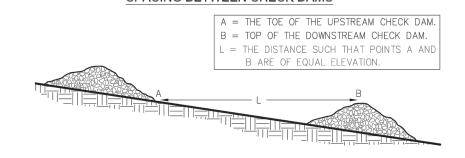


Figure 1. Stone Check Dam Spacing Requirements

SCALE: NONE

TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP)

BLANKET AND MATTING CROSS-SECTIONS

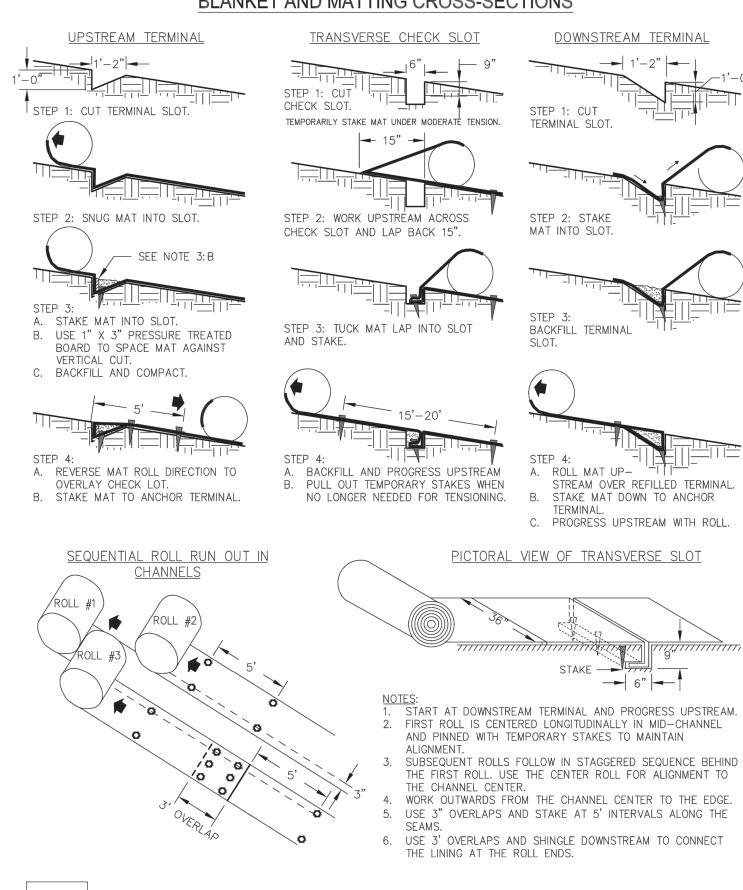


Figure 6-10.1 - Typical Installation Guidelines for Matting and Blankets

OPE STABILIZATION

EXIT DIAGRAM HARD SURFACE PUBLIC ROAD SEDIMENT TRAP (SEE NOTE 8) **CULVERT UNDER** ENTRANCE (IF NEEDED) DIVERSION RIDGE (SEE NOTE 6) N.S.A. R-2 (1.5"-3.5") COARSE AGGREGATE GEOTEXTILE UNDERLINER TIRE WASHRACK AREA/ TIRE WASHERS SUPPLY WATER TO WASH **ENTRANCE ELEVATION** N.S.A. R-2 (1.5"-3.5") COARSE AGGREGATE WHEELS IF NECESSARY ORIGINAL GRADE GEOTEXTILE UNDERLINER

USED TO TRAP SEDIMENT.

SCALE: NONE

1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS. 2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND

7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.

CROWN FOR POSITIVE DRAINAGE 3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).

4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6". 5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'. 6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%..

8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE). 9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF

NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL <u>SUITABLE</u> FOR TRUCK TRAFFIC THAT 10.MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES

<u>DEFINITION</u>

CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITES, ROADS, AND DEMOLITION SITES.

THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO SURFACE AND AIR MOVEMENT OF DUST WHERE ON AND OFF-SITE DAMAGE MAY OCCUR WITHOUT TREATMENT.

METHOD AND MATERIALS

A. TEMPORARY METHODS

MULCHES. SEE STANDARD DS1 - DISTURBED AREA STABILIZATION (WITH MULCHING ONLY). SYNTHETIC RESINS MAY BE USED INSTEAD OF ASPHALT TO BIND MULCH MATERIAL. REFER TO STANDARD TB-TACKIFIERS AND BINDERS. RESINS SUCH AS CURASOL OR TERRATACK SHOULD BE USED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

VEGETATIVE COVER. SEE STANDARD DS2 - DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING). SPRAY-ON ADHESIVES. THESE ARE USED ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS. REFER TO STANDARD TB-TACKIFIERS AND BINDERS.

TILLAGE. THIS PRACTICE IS DESIGNED TO ROUGHEN AND BRING CLODS TO THE SURFACE, IT IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE WIND EROSION STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, SPRING-TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.

IRRIGATION. THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED.

BARRIERS. SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 15 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING WIND EROSION.

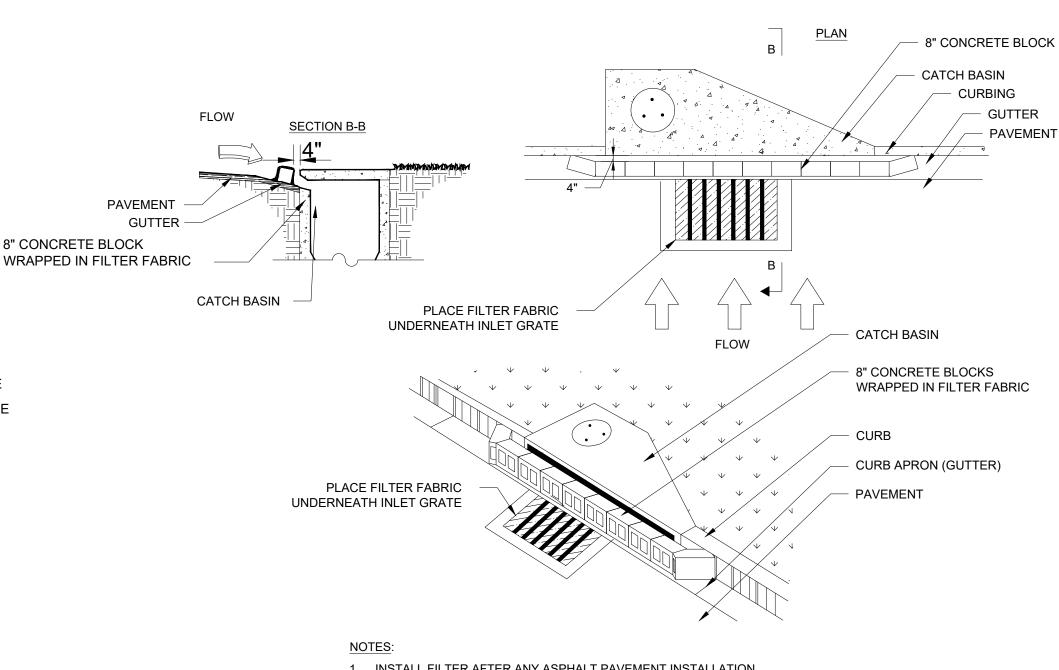
CALCIUM CHLORIDE. APPLY AT RATE THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.

B. PERMANENT METHODS

PERMANENT VEGETATION. SEE STANDARD DS3 -DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION). EXISTING TREES AND LARGE SHRUBS MAY AFFORD VALUABLE PROTECTION IF LEFT IN PLACE.

TOPSOILING. THIS ENTAILS COVERING THE SURFACE WITH LESS EROSIVE SOIL MATERIAL. SEE STANDARD TP -TOPSOILING.

STONE. COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL. SEE STANDARD CR-CONSTRUCTION ROAD STABILIZATION.



1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.

2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.

3. FACE OPENINGS IN BLOCKS OUTWARD.

4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO

PREVENT HAZARDOUS PONDING.

5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.



ARCADIS U.S., INC. 2839 PACES FERRY ROAD SUITE 900, ATLANTA, GA 30339 TE: 770-431-8666 WWW.ARCADIS.COM CONSULTANTS

ARCADIS

FAYETTE COUNTY, GEORGIA **FAYETTE COUNTY WATER** SYSTEM



FCWS-TRILITH STUDIOS **ELEVATED WATER** STORAGE TANK

400 VETERANS PARKWAY FAYETTEVILLE, GA 30214

REVISIONS

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30135792 PROJECT NO.: 09/13/2023 ESC-09 FILE NAME: T. THOMAS N. NIA DRAWN BY: D. WILSON

SHEET TITLE

CHECKED BY:

EROSION & SEDIMENT CONTROL

EROSION & SEDIMENT CONTROL DETAILS (SHEET 1 OF 3)

Know what's **below.** Call before you dig. AS SHOWN

ESC-06

17 OF 23

SEEDING SCHEDULE TEMPORARY COVER

<u>SPECIES</u>	BROADCAST <u>RATES – PLS</u> PER <u>ACRE</u>	BROADCAST <u>RATES – PLS</u> PER 1000 <u>SQ. FT.</u>	RESOURCE AREA^3	(S	SOL ATE	S, I	LINE Dot	ES ITEI	IND) L	ICAT INES MA	11 8	1DIC	ATE	D	S.)
				J	F	М	Α	М	J	J	Α	S	0	N	D
BARLEY (HORDEUM VULGARE)			$M\!-\!L$								***				
ALONE	3 BU. (144 LBS.)	3.3 LB.	Р								12				
IN MIXTURES	½ BU. (24 LBS.)	0.6 LB.	С	J	F	М	Α	М	J	J	A	S	0	N	D
LESPEDEZA, ANNUAL (LEZPEDEZA STRIATA)			M-L					•							
ALONE	40 LBS.	0.9 LB.	Р		E J	-									
IN MIXTURES	10 LBS.	0.2 LB.	С	###		M	Α	М		J	Α	S	0	N	
LOVEGRASS, WEEPING (ERAGROSTIS CURVULA)			M-L			101				0					
ALONE	4 LBS.	0.1 LB.	Р												
IN MIXTURES	2 LBS.	0.05 LB.	С	J	F		Δ	М		J	Δ	S	0	N	<u> </u>
MILLET, BROWNTOP (PANCIUM FASCICULATUM)			M-L			IVI		IVI		•		J	U	IN	
ALONE	40 LBS.	0.9 LB.	Р				1 11 10			-,					
IN MIXTURES	10 LBS.	0.2 LB.	С	_	F	М	Δ	М	J	J	Δ	S	0	N	L
MILLET, PEARL (PENNESETUM GLAUCUM)			M-L P			IVI	,,,		0			J	U	IN	
ALONE	50 LBS.	1.1 LB.	C		F	М	Δ	М	ı,ı	.1	Δ	S	0	N	
OATS (AVENA SATIVA)			M-L			141		IVI				-			
ALONE	4 BU. (128 LBS.)	2.9 LB.	Р									سيندر اد		-	
IN MIXTURES	1 BU. (32 LBS.)	0.7 LB.	С		F	М	Δ	М	ı,	.1	Α	S	0	N	Г
RYE (SECALE CEREALE)			M-L			141	-	IVI							
ALONE	3 BU. (168 LBS.)	3.9 LB.	Р								##				.
IN MIXTURES	½ BU. (28 LBS.)	0.6 LB.	С		F	М	Δ	М	.1	J	Δ	S	Ω	N	n
TRITICALE (X-TRITICOSECALE)						IVI		IVI						IN	
ALONE	3 BU. (144 LBS.)	3.3 LB.	С									12	==		#1
IN MIXTURES	½ BU. (24 LBS.)	0.6 LB.		J	F	М	Λ	М	J	J	Α	S	0	N	C
RYEGRASS, ANNUAL			M-L	Ť				• 101				J	Ŭ		
(LOLIUM TEMULENTUM)	40 100	0.0.10	Р												
ALONE	40 LBS.	0.9 LB.	С	J		М	Α	М	J	J	A	S	0	N	D
SUDANGRASS (SORGHUM SUDANESE)			M-L P												
ALONE	60 LBS.	1.4 LB.	С	J	F	M	Α	М	J	J	A	S	0	N	L
WHEAT (TRITICUM AESTIVUM)			M-L								-	-			
ALONE	3 BU. (180 LBS.)	4.1 LB.	Р										133)		_
IN MIXTURES	½ BU. (30 LBS.)	0.7 LB.	С												

LIME: APPLY AT A RATE OF ONE TON PER ACRE FERTILIZER: APPLY 500-700 POUNDS OF 10-10-10 OR EQUIVALENT PER ACRE

SEEDING SCHEDULE PERMANENT COVER

SPECIES	BROADCAST RATES - PLS PER ACRE	BROADCAST RATES - PLS PER 1000 SQ. FT.	RESOURCE AREA^3	(S D IN	SOL ATI	.ID ES, CA	NG LIN DC TEC NAL	ES OTT O P	INI ED ERI	DIC LII MIS	NES SIE	3			UΝ
				J			Α					S	0	N	D
BERMUDA, SPRIGS CYNODON DACTYLON)	40 CU. FT. OR	0.9 CU. FT.	M-L P								,				
COASTAL COMMON OR TIFT 44	SOD PLUGS 3'X3'	0.0 00.1 1.	С		F	M	Α	М			Δ	S		N	D
BERMUDA, COMMON CYNODON DACTYLON)						IVI	7.					SEE			
ALONE	10 LBS.	0.2 LB.					U		UL				_		
W/ OTHER PERRENIALS	6 LBS.	0.1 LB.		J	F	М	Α		EEI J		Α	S	0	N	D
FESCUE, TALL FESTUCA ARUNDINACEA)			M-L										1 11 11 1		
ALONE	50 LBS.	1.1 LB.	Р												
W/OTHER PERRENIALS	30 LBS.	0.7 LB.		J	F	М	Α	М	J	J	Α	S	0	N	D
CROWNVTECH CORONILLA VARIA) WWINTER ANNUALS OR COOL SEASON		0015	M-L P												
GRASSES	15 LBS.	0.3 LB.	P	J	F	М	Α	М	J	J	Α	S	0	N	D
REED CANARY GRASS PHARLARIS ARUNDINACEA) ALONE	50 LBS.	1.1 LB.	M-L												
W/OTHER PERRENIALS	30 LBS.	0.7 LB.	Р								==		-	**	
WOTHER FERRENIALS	00 250.	··· 22·		J	F	М	Α	М	J	J	Α	S	0	N	D
CENTIPEDE			P												
(EREMOCHLOA OPHIUROIDES)	BLACK SOD ONLY		C												
·				J	F	М	Α	М		_	Δ	S	0	N	D
OVEGRASS, WEEPING ERAGROSTIS CURVULA)			M-L								,,		0		
ALONE	4 LBS.	0.1 LB.	Р		•	-			-						
W/OTHER PERRENIALS	2 LBS.	0.05 LB.	С	J	(MM)	N/I	Α	N/I	J	-	Λ	S	_	N	ר
LESPEDEZA, SERICEA (LESPEDEZA CUNEATA)				J	IF.	IVI	Α.	IVI	J	J	٨	J	J	IN	U
SCARIFIED	60 LBS.	1.4 LB.	M-L			,									
UNSCARIFIED	75 LBS.	1.7 LB.	Р												
ONOCARTI ILD															

1. YOU MAY USE ANY OTHER SPECIES IF APPROVED BY MANUAL OF EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION.

ALL FERTILIZER RATE AND APPLICATION, SEED QUALITY, SEEDBED PREPERATION, INNOCULANTS, PLANTING, AND MULCHING SHALL COMPLY WITH MANUAL OF EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION.

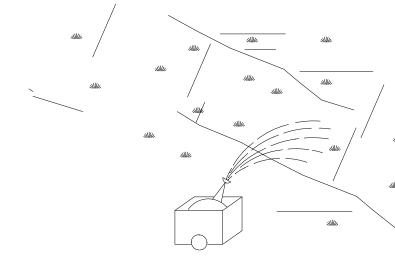
FERTILIZER REQUIREMENTS PERMANENT COVER

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
4 0001 0510011	FIRST	6-12-12	1500 lbs./AC.	50-100 lbs./AC. 1/2/
1. COOL SEASON GRASSES	SECOND	6-12-12	1000 lbs./AC.	
	MAINTENANCE	MAINTENANCE 10-10-10 400 lbs./AC. 30 FIRST 6-12-12 1500 lbs./AC. 0-50 SECOND 10-10-10 1000 lbs./AC MAINTENANCE 10-10-10 400 lbs./AC FIRST 10-10-10 1300 lbs./AC. 3/ SECOND 10-10-10 1300 lbs./AC. 3/		30 lbs./AC.
2. COOL SEASON	FIRST	6-12-12	1500 lbs./AC.	0-50 lbs./AC. 1/
GRASSES	SECOND	10-10-10	1000 lbs./AC.	
& LEGUMES	MAINTENANCE	10-10-10	400 lbs./AC.	
3. GROUND	FIRST	10-10-10	1300 lbs./AC. 3/	
COVERS	SECOND	10-10-10	1300 lbs./AC. 3/	
	MAINTENANCE	10-10-10	1100 lbs./AC.	
4. PINE SEEDLINGS	FIRST	20-10-5	ONE 21-GRAM PELLET PER SEEDLING PLACED IN THE CLOSING HOLE	
5. SHRU	FIRST	0-10-10	700 lbs./AC.	
LESPEDEZA	MAINTENANCE	0-10-10	700 lbs./AC. 4/	
6. TEMPORARY COVER CROPS SEEDED ALONE	FIRST	10-10-10	500 lbs./AC.	30 lbs./AC. 5/
7 WARM CEACON	FIRST	6-12-12	1500 lbs./AC.	50-100 lbs./AC. 2/6/
7. WARM SEASON GRASSES	SECOND	6-12-12	800 lbs./AC.	50-100 lbs./AC. 2/
	MAINTENANCE	10-10-10	400 lbs./AC.	30 lbs./AC.
8. WARM SEASON	FIRST	6-12-12	1500 lbs./AC.	50 lbs./AC. 6/
GRASSES & LEGUMES	SECOND	0-10-10	1000 lbs./AC.	
	MAINTENANCE	0-10-10	400 lbs./AC.	
I IMF: APPLY AT A RA	TE OF ONE TON PE	ER ACRE	1	

LIME: APPLY AT A RATE OF ONE TON PER ACRE

- 1/ APPLY IN SPRING FOLLOWING SEEDING. 2/ APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED.
- 3/ APPLY IN 3 SPLIT APPLICATIONS.
- 4/ APPLY WHEN PLANTS ARE PRUNED.
- 5/ APPLY TO GRASS SPECIES ONLY.
- 6/ APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES.

SCALE: NONE



ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS.

- 1. < 12 MONTHS OR UNTIL ESTABLISHMENT OF FINISHED GRADE OR PERMANENT VEGETATION.
- 2. SITE PREPARATION: - GRADING AND SHAPING
- SEEDBED PREPARATION - APPLY LIME AND FERTILIZER
- PLANT SEEDINGS, SELECT SPECIES BY SEASON AND REGION
- APPLY MULCHING MATERIAL IF NEEDED - IRRIGATE IF NEEDED BUT NOT @ RATE TO CAUSE EROSION
- 3. PLANTING DATES DEPEND ON SPECIES AND REGION (MOUNTAIN, PIEDMONT OR COASTAL)

CONTRACTOR SHALL STABILIZE ALL AREAS WITH TEMPORARY VEGETATION THAT ARE TO BE EXPOSED WITHOUT STORM WATER PROTECTION FOR LONGER THAN 7 DAYS.

Fertilizer

Type

10-10-10

Grass

Bermudagrass

Bahiagrass

Centipede

St. Augustine

Zoysia

Tall Fescue

season

season

second

second

grasses maintenance 10-10-10 400

grasses maintenance 10-10-10 400 30

(WITH TEMPORARY SEEDINGS)

Table 6-6.1. Fertilizer Requirements for

Soil Surface Application

Fertilizer | Fertilizer

(lbs/acre) | (lbs/sq ft)

Table 6-6.2 Sod Planting Requirements

Varieties

Common

Tifgreen

Tiflawn

Pensacola

Bitterblue

Raleigh

Emerald

Myer

Kentucky

Table 6-6.3

Fertilizer Requirements for Sod

1000

Rate

.025

Season

Fall

Season

warm

weather

warm

weather

warm

weather

warm

weather

warm

weather

cool

weather

Dressing

Rate

50-100

Resource | Growing

Area

M-L,P,C

P,C

P,C

P,C

P,C

M-L,P

Fertilizer Rate

6-12-12

6-12-12

(N-P-K) (lbs./acre)

1500

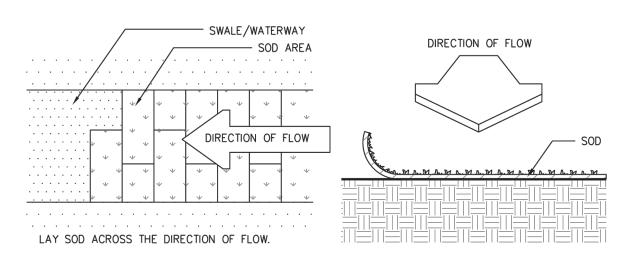
1000

6-12-12 | 1500 | 50-100

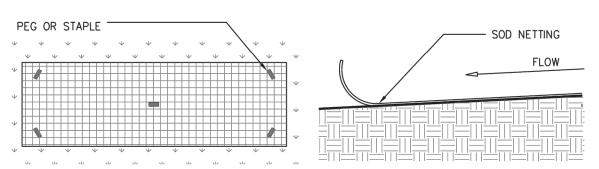
6-12-12 800 50-100

SODDED WATERWAYS

SOD DIRECTIONS

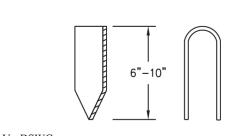


NETTING DIRECTIONS



LAY NET WITH THE DIRECTION OF FLOW.

PEG DETAIL



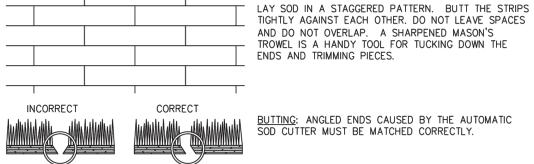
IN CRITICAL AREAS, SECURE SOD WITH NETTING USING STAPLES. USE PEGS OR STAPLES TO FASTEN SOD FIRMLY -- AT THE ENDS OF STRIPS AND IN THE CENTER, OR EVERY 3-4 FEET IF MOW, DRIVE PEGS OR STAPLES FLUSH WITH THE GROUND.

Source: Va. DSWC

Figure 6-6.1

SOD MAINTENANCE AND INSTALLATION

SOD LAYOUT AND PREPARATION



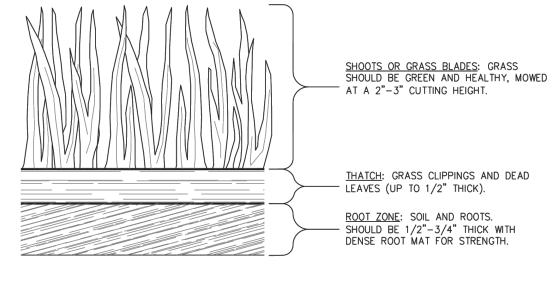
DIRECTIONS FOR INITIAL MAINTENANCE

Step 1. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL

Step 2. Water to a depth of 4" as needed. Water well as soon as the sod

Step 3. MOW WHEN THE SOD IS ESTABLISHED -- IN 2-3 WEEKS. SET THE MOWER HIGH (2"-3").

APPEARANCE OF GOOD SOD



Source: Va. DSWC

Figure 6-6.2

DISTURED AREA STABILIZATION (WITH SOD)



ARCADIS U.S., INC. 2839 PACES FERRY ROAD SUITE 900, ATLANTA, GA 30339 TE: 770-431-8666 WWW.ARCADIS.COM CONSULTANTS

ARCADIS

SEALS

FAYETTE COUNTY, GEORGIA FAYETTE COUNTY WATER SYSTEM



FCWS-TRILITH STUDIOS **ELEVATED WATER** STORAGE TANK

400 VETERANS PARKWAY FAYETTEVILLE, GA 30214

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NO.	DATE	ISSUED FOR	B,

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SHEET TITLE

EROSION & SEDIMENT CONTROL

EROSION & SEDIMENT CONTROL DETAILS (SHEET 2 OF 3)

SCALE:

AS SHOWN

ESC-07

SHEET 18 OF 23

<u>SPECIES</u>	BROADCAST RATES - PLS PER ACRE	BROADCAST RATES - PLS PER 1000 <u>SQ. FT.</u>	RESOURCE AREA^3	D IN M	AT IDI AR	LID ES, CA	DC TEE NAL	IES OTT O PI	INI ED ERI	DIC LII MIS	NES SSIE	E C S BLE	BU	JT	
ERMUDA, SPRIGS CYNODON			M-L			= 1									
ACTYLON)	40 CU. FT. OR	0.0011.57	Р			.									
COASTAL COMMON OR TIFT 44	SOD PLUGS 3'X3'	0.9 CU. FT.	С												
				J	F	М	Α	М	J	J	Α	S	0	N	D
ERMUDA, COMMON SYNODON ACTYLON)								ŀ	HUL	LE	D S	SEE	D		
ALONE	10 LBS.	0.2 LB.					U	NH			•				
W/ OTHER PERRENIALS	6 LBS.	0.1 LB.		J	F	М	Α		EEI J		Α	S	0	N	D
ESCUE, TALL							Ė						ŕ		
ESTUCA RUNDINACEA)			M-L			_									
ALONE	50 LBS.	1.1 LB.	Р								==				
W/OTHER PERRENIALS	30 LBS.	0.7 LB.		.1	F	М	Α	М	J.	l,	Δ	S			ח
ROWNVTECH CORONILLA VARIA) //WINTER ANNUALS OR			M-L	,	•	141		141	,		_				ر
OOL SEASON RASSES	15 LBS.	0.3 LB.	Р	J	F	М	Α	М	J	J	A	s	0	N	D
EED CANARY GRASS HARLARIS RUNDINACEA)			M-L												
ALONE	50 LBS.	1.1 LB.													
W/OTHER PERRENIALS	30 LBS.	0.7 LB.	Р	J	F	М	Α	М	J	J	A	S	0		D
							,,			Ť	,,				_
CENTIPEDE	BLACK SOD		Р												
EREMOCHLOA DPHIUROIDES)	ONLY		С												
			J	J	F	М	Α	М	J	J.	Δ	S	0	N	ר
OVEGRASS, WEEPING RAGROSTIS CURVULA)			M-L			IVI		141			/7	J			ر
,			Р		,	-			-						
LONE	4 LBS.	0.1 LB.	С		1 M M)										
WOTHER PERRENIALS	2 LBS.	0.05 LB.					Α	М	J	J	Α	S	0	N	D
ESPEDEZA, SERICEA ESPEDEZA CUNEATA)															
SCARIFIED	60 LBS.	1.4 LB.	M-L												
JNSCARIFIED	75 LBS.	1.7 LB.	Р												
			С												

DISTURED AREA STABILIZATION

ESTABLISHING A TEMPORARY PROTECTION FOR

1. MULCH MATERIALS SHALL CONSIST OF DRY

CONTROL MATTING OR NETTING, OR

2. THIS STANDARD APPLIED TO GRADES OR

POLYETHYLENE FILM.

ESTABLISHING A PERMANENT VEGETATIVE

1. APPLICABLE ON HIGHLY ERODIBLE OR SEVERELY

ERODED AREAS, SOMETIMES CALLED "CRITICAL

COVER AS A DISTURBED AREA.

AREAS" INCLUDING:

- CUT OR FILL SLOPES

- EARTH SPILLWAYS

- BORROW AREAS

- CHANNEL BANKS

- BERMS

- ROADSIDES

- SPOIL AREAS

- GULLIED LANDS

SLOPE

2. GRADING AND SHAPING REQ'D.

WHERE FEASIBLE AND PRACTICAL.

3:1 OR FLATTER > 4" DEEP

2:1 TO 3:1 1" TO 4" DEEP

OF SPILLWAYS AND ON ROADBANKS.

6. ANCHOR MULCH IMMEDIATELY.

3. SEEDBED PREPARATION (NOT REQ'D. IF USING

SEEDBED

2:1 OR STEEPER DEPRESSIONS EVERY

6"-8" WITH HAND TOOL

4. HAVE SOIL ANALYZED FOR LIME AND FERTILIZER RATE.

5. MULCH ALL SLOPES STEEPER THAN 3%AND IN BOTTOM

HYDRAULIC SEEDING AND FERTILIZING)

STRAW OR HAY AT 2.5 TONS PER ACRE, WOOD

CLEARED AREAS WHICH MAY BE SUBJECTED TO

AND CAN BE STABILIZED WITH A MULCH COVER.

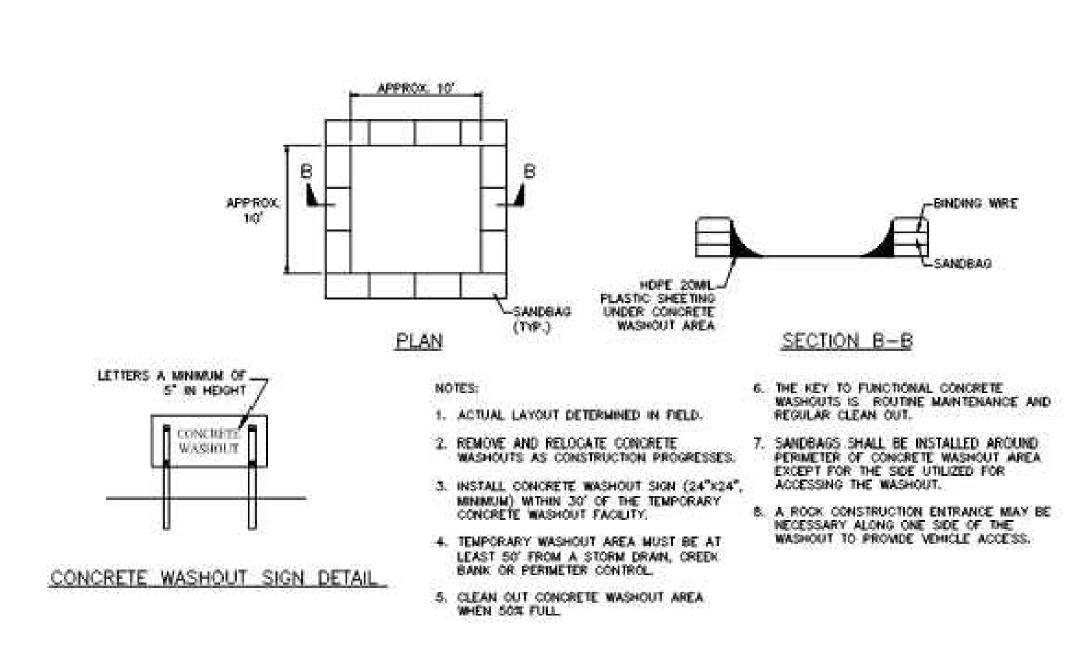
EROSION CONTROL FOR 6 MONTHS OR LESS,

CHIPS AT 6 TO 9 TONS PER ACRE, EROSION

DISTURBED AREAS USING SPECIFIC MULCH MATERIALS.

(WITH MULCHING)

(WITH PERMANENT VEGETATION)



SANDBAG BARRIER CONCRETE WASHOUT



- When utilized at pipes with diameters greater than 12", the filter ring shall be constructed of stone no smaller than 10"-15" (50-100 lbs).
- Construct the ring at a height no less than 2 ft above grade.
- Mechanically or hand place the stone uniformly around the structure.

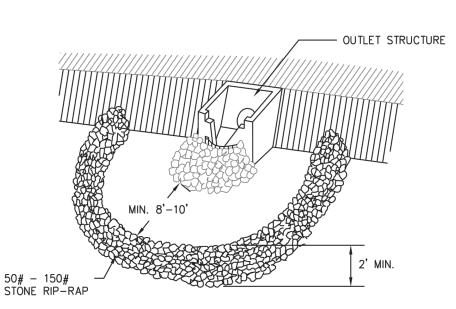


Figure 1. Filter Ring Placement

MAINTENANCE

- Keep clear of trash and debris.
- Continuously monitor and maintain the structure.
- Remove sediment when it reaches one-half full.
- Remove structure when the project has reached final stabilization.

Fr

FILTER FABRIC



Filter Fabric with Supporting Frame (Sd2-F)

- Applicable where the inlet drains a relatively flat area (<5% slope).
- Use Type S steel posts.
- Space stakes evenly around perimeter at a maximum of 3 ft apart.
- Drive stakes into the ground ~18" deep.
- The fabric shall be 36" tall and entrenched at least 12" and backfill with crushed stone or compacted soil.
- Securely fasten the fabric and wire to the posts.

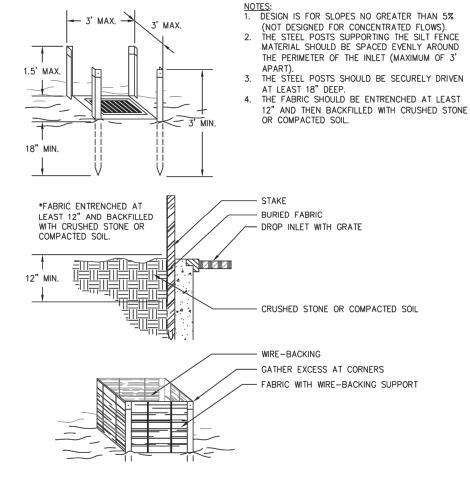


Figure 1. Filter Fabric with Supporting Frame Installation Requirements (Sd2-F)



LEGAL ENTITY:
ARCADIS U.S., INC.
2839 PACES FERRY ROAD
SUITE 900, ATLANTA, GA 30339
TE: 770-431-8666
WWW.ARCADIS.COM

CONSULTANTS

SEALS

FAYETTE COUNTY WATER

SYSTEM



FCWS-TRILITH STUDIOS ELEVATED WATER STORAGE TANK

400 VETERANS PARKWAY FAYETTEVILLE, GA 30214

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DRAWN BY: N. NIA

CHECKED BY: D. WILSON

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EROSION & SEDIMENT CONTROL

EROSION & SEDIMENT CONTROL DETAILS (SHEET 3 OF 3)

SCALE:

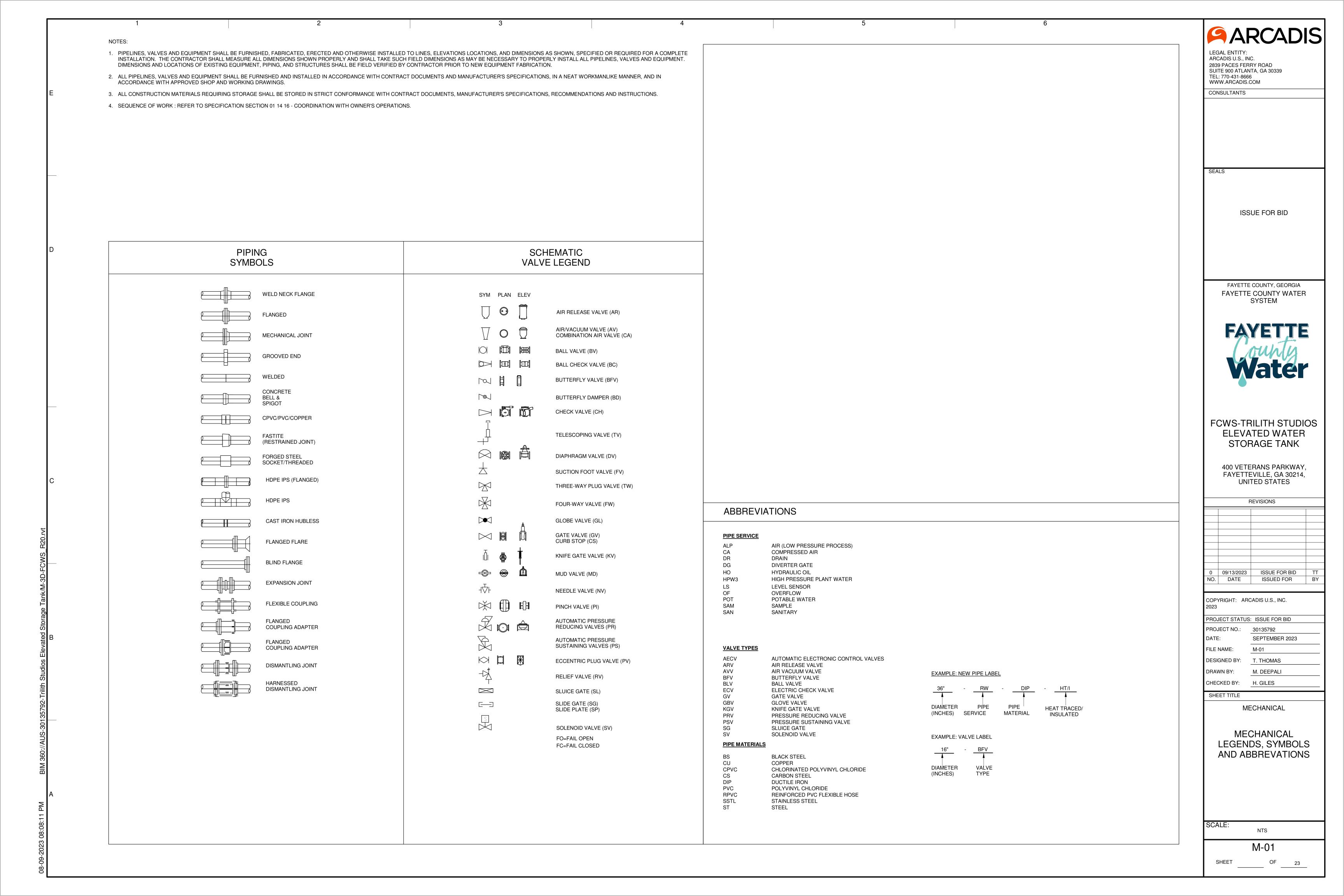
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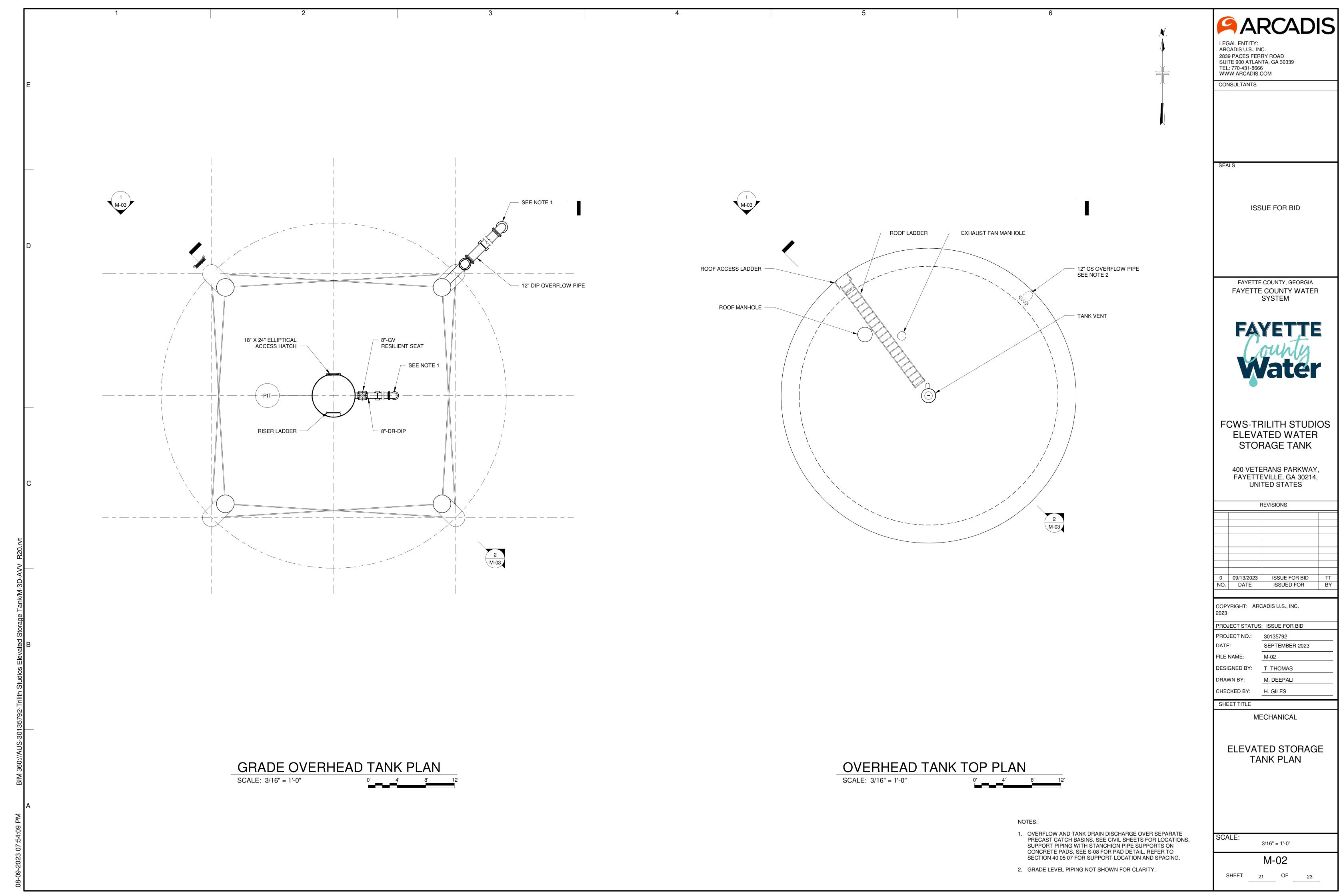
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SHEET 19 OF 23

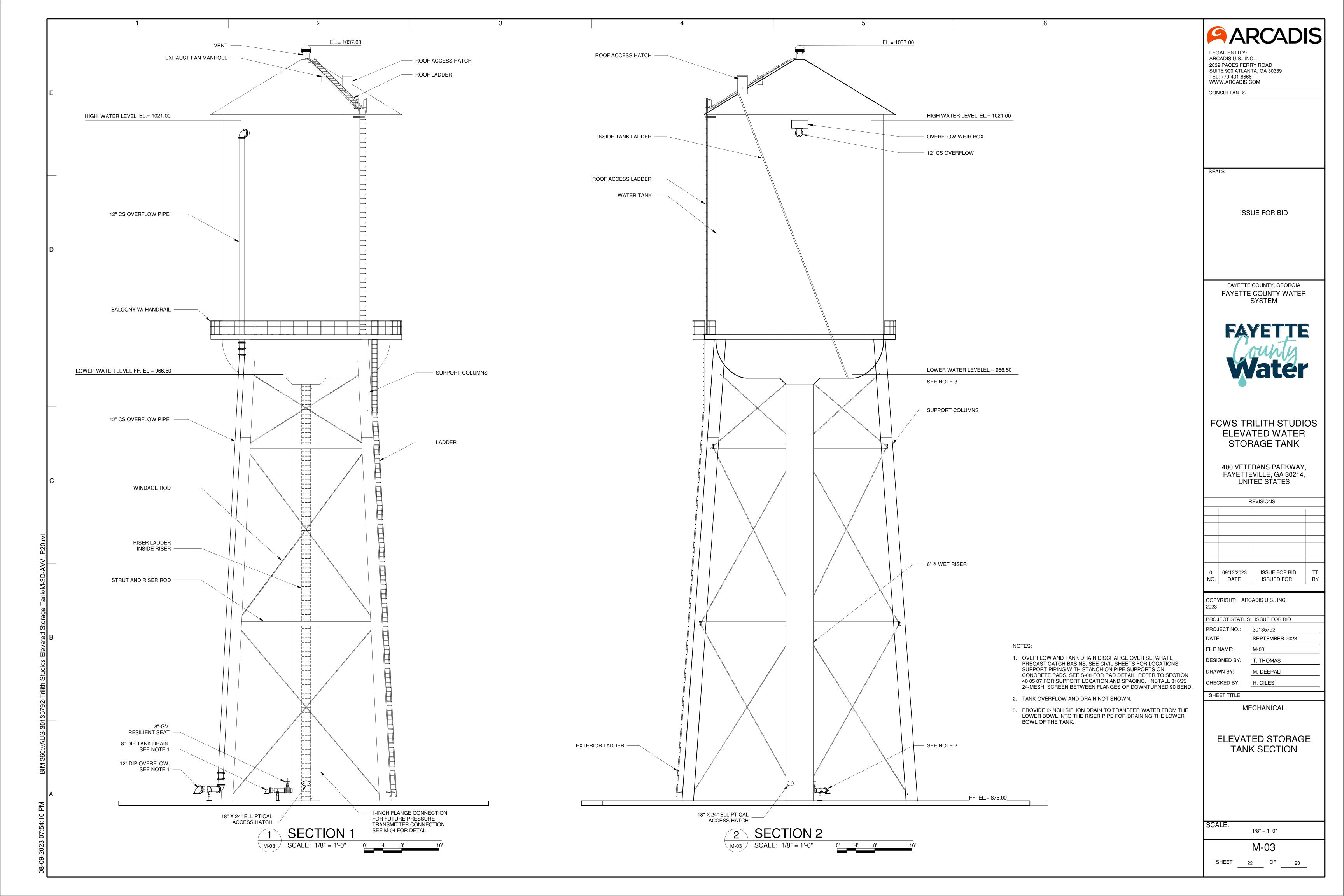
Sd2-F

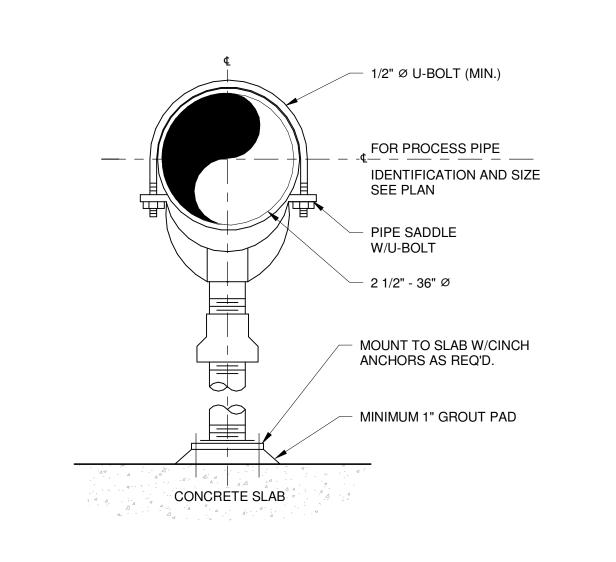
FILTER FABRIC INLET SEDIMENT TRAP





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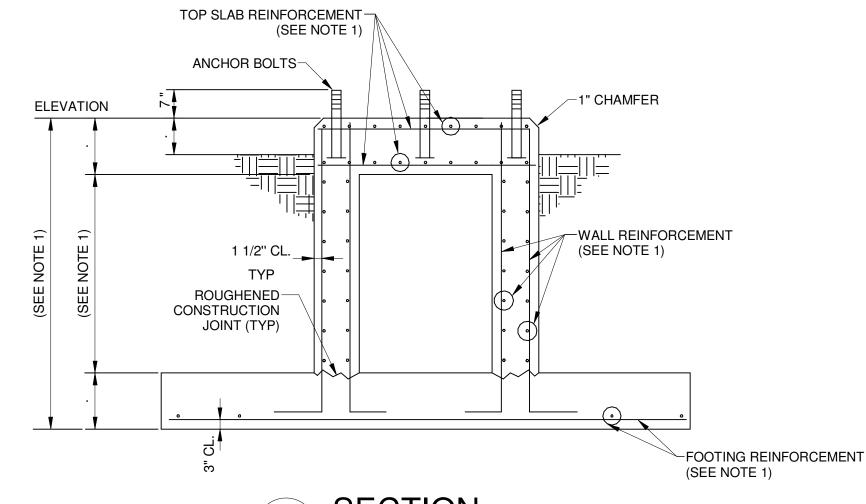


STANCHION PIPE SUPPORT DETAIL

1" END FLAND WITH BLIND FLANGE

1-INCH FLANGE CONNECTION DETAIL FOR FUTURE PRESSURE TRANSMITTER CONNECTION

NOT TO SCALE



SECTION M-04 NOT TO SCALE

GUSSET PLATE (TYP) RODS (TYP) - EXTRA LONG FLANGE BOLTS CAST IRON OR DUCTILE IRON PIPE CARBON STEEL OR STAINLESS STEEL PIPE COUPLING PIPE DIA 2"-8"=18" PIPE DIA 10"-48"=24" - HARNESS LUG WELDED TO PIPE (SEE NOTE) **DETAIL NOTE:**

1. THE NUMBER OF TIE RODS, HARNESS LUGS CONFIGURATION AND

CONFORM TO AWWA M11.

MATERIAL THICKNESS SHALL BE IN ACCORDANCE WITH ANSI/HI 14.4.A.4.6.1

FOR PIPING CONNECTED TO A PUMP. OTHER PIPING CONNECTIONS SHALL

G OF RISER 12" INLET-THRUST BLOCK -RISER FOOTER RISER PIER — − ÇOF RISER Ç INLET (SEE NOTE 1) (SEE NOTE 1) (SEE NOTE 1)

-STANDARD WEIGHT STEEL INLET/OUTLET PIPE -CEMENT-LINED D.I. BASE ELBOW (M.J. x M.J.) THRUST BLOCK (SEE PLAN VIEW DETAIL) POUR AFTER BASE ELBOW IS INSTALLED SECTION

NOT TO SCALE

HARNESSED FLANGED COUPLING ADAPTER DETAIL

NOT TO SCALE

NOT TO SCALE

CENTER PIER PLAN NOT TO SCALE

SCALE:

 CENTER PIER FOUNDATION DIMENSIONS AND CONCRETE
 REINFORCEMENT REQUIREMENTS SHALL BE DETERMINED BY TANK CONTRACTOR.

ARCADIS LEGAL ENTITY: ARCADIS U.S., INC. 2839 PACES FERRY ROAD SUITE 900 ATLANTA, GA 30339 TEL: 770-431-8666 WWW.ARCADIS.COM CONSULTANTS ISSUE FOR BID FAYETTE COUNTY, GEORGIA FAYETTE COUNTY WATER SYSTEM FCWS-TRILITH STUDIOS **ELEVATED WATER** STORAGE TANK 400 VETERANS PARKWAY, FAYETTEVILLE, GA 30214, UNITED STATES REVISIONS

NO. DATE ISSUED FOR

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MECHANICAL

MECHANICAL DETAILS

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