

REHABILITATION PLANS FOR HANDLEY LAKE DAM LAND LOT 117 & 108, 7TH DISTRICT FAYETTE COUNTY, GEORGIA JANUARY 31, 2025

THE CONTRACTOR SHALL CONDUCT WORK IN ACCORDANCE WITH THE REQUIREMENTS OF APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND ALL LOCAL, STATE AND FEDERAL RULES AND REGULATIONS.

PROJECT DESCRIPTION INVOLVES THE REHABILITATION AND MODIFICATIONS TO AN EXISTING MBANKMENT DAM AND ASSOCIATED SPILLWAY OUTLET WORKS. THE ITATION/MODIFICATION MEASURES INCLUDE REMOVAL OF TREES AND OTHER. GETATION FROM THE EMBANKMENT UCTION OF A REINFORCED-CONCRETE HEADWALL AND SCOUR APRON. ALL DISTURBED AREAS SHALL BE STABILIZED WITH PERMANENT VEGETATION.



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*ES&PC	= EROSION, SEIDMENTATION, & POLLUTION CONTROL					

SCALE: 1" = 2000'

ΰz **Q** ~ Chna GINEE HANDLEY PARK LAKE I TOWN OF TYRONE AYETTE COUNTY, GEO COVER AYE PROJECT: 24170042.000 DATE: JANUARY 2025 SHEET 01 OF 16

GENERAL NOTES:

- SCHNABEL ENGINEERING, LLC IS SOLELY RESPONSIBLE FOR THE PREPARATION OF THE REHABILITATION PLANS FOR THE SUBJECT DAM AND SPILLWAY SYSTEM. ADHERENCE TO THESE PLANS, AS WELL AS ADHERENCE TO GOVERNMENT AND COUNTY REGULATIONS, ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 2. CONTRACTOR TO VERIFY ALL CONDITIONS, ELEVATIONS AND DIMENSIONS BEFORE BEGINNING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER FOR JUSTIFICATION AND/OR CORRECTION BEFORE PROCEEDING WITH THE WORK. CONTRACTOR TO ASSUME RESPONSIBILITY FOR DISCREPANCIES WHICH ARE NOT REPORTED. ALL DIMENSIONS SHOULD BE READ OR CALCULATED.
- 3. CONTRACTOR TO HAVE ALL UTILITIES FIELD LOCATED AND CLEARLY MARKED PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY.
- 4. THE CONTRACTOR SHALL CONDUCT ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND ALL LOCAL, STATE AND FEDERAL RULES AND REGULATIONS. PROPER SAFETY PROCEDURES ARE OF SPECIAL CONCERN ON THE PROJECT CONSIDERING THAT WORKERS WILL BE WORKING IN TRENCH EXCAVATIONS.
- 5. ALL MATERIALS AND WORK PERFORMED SHALL COMPLY WITH THE TECHNICAL SPECIFICATIONS OF THE PROJECT.
- 6. CONTRACTOR TO PROVIDE ENGINEER WITH AN AS-BUILT, FIELD-RUN TOPOGRAPHIC SURVEY PERFORMED BY A GEORGIA REGISTERED SURVEYOR AT THE CONCLUSION OF THE PROJECT. SURVEY SHALL BE PROVIDED IN .PDF AND .DWG FORMAT.

WATER CONTROL NOTES:

- 1. CONTRACTOR SHALL BUILD, MAINTAIN AND OPERATE ANY TEMPORARY DIKES, COFFERDAMS, CHANNELS, FLUMES, SUMPS AND OTHER TEMPORARY DIVERSION AND PROTECTIVE WORKS NEEDED TO DIVERT SURFACE WATER FROM THE CONSTRUCTION WORK WHILE CONSTRUCTION IS IN PROGRESS. DIVERSION OR RETENTION OF SURFACE WATERS WILL BE CONTINUED UNTIL SUCH TIME AS DETERMINED BY THE ENGINEER.
- 2. FOUNDATIONS FOR CONCRETE, AND OTHER PARTS OF THE CONSTRUCTION SITE, SHALL BE DEWATERED AND KEPT FREE OF STANDING WATER OR EXCESSIVELY MUDDY OR SOFT CONDITIONS AS NEEDED FOR PROPER EXECUTION OF THE CONSTRUCTION WORK.
- 3. DEWATERING METHODS FOR FOUNDATION CONSTRUCTION OR SUBGRADE PREPARATION THAT CAUSE A LOSS OF FINES FROM FOUNDATION OR SUBGRADE AREAS WILL NOT BE PERMITTED.
- 4. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGES INCURRED AS A RESULT OF THE LACK OF ADEQUATE SURFACE OR SUBSURFACE WATER CONTROL.
- 5. CONTRACTOR IS TO PROVIDE THE ENGINEER WITH A WATER CONTROL PLAN FOR REVIEW AND ACCEPTANCE PRIOR TO THE START OF CONSTRUCTION. INVESTIGATIONS SUGGEST THAT THE EXISTING OUTLET CONTROL STRUCTURE FOR THE POND INCLUDES A SMALL DIAMETER OPENING NEAR THE BASE OF THE STRUCTURE THAT MAY BE ASSOCIATED WITH A DRAIN PIPE AND VALVE. THE CONDITION AND OPERABILITY OF THIS ASSEMBLY IS UNKNOWN BY THE ENGINEER AND THE TOWN. AFTER LOCATION OF, EVALUATION OF, AND COORDINATION WITH THE TOWN AND ENGINEER REGARDING THE POTENTIAL LAKE DRAIN, THE CONTRACTOR MAY UTILIZE THE DRAIN TO DEWATER THE LAKE. IF THE CONTRACTOR INTENDS TO USE THE OUTLET CONTROL STRUCTURE DRAIN TO DEWATER THE LAKE, THE SUBMITTED CONTROL OF WATER PLAN SHALL INCLUDE THIS INTENTION AND INCLUDE CLOSE AND TIMELY COORDINATION WITH THE TOWN OF TYRONE WITH REGARD TO USE OF THE SPILLWAY. REGARDLESS OF USE TO DRAIN THE LAKE, THESE PLANS REQUIRE THAT THE DRAIN VALVE AND COMPONENTS BE IMPROVED TO WORKING CONDITIONS PRIOR TO THE COMPLETION OF THE PROJECT
- 6. A MINIMUM OF SEVEN (7) DAYS' PRIOR TO PERFORMING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL LOWER AND MAINTAIN THE POOL ELEVATION OF THE LAKE IN A DRAINED STATE UNTIL MODIFICATIONS AND IMPROVEMENTS TO THE DAM AND SPILLWAY OUTLET WORKS ARE COMPLETE. MINIMUM OF SEVEN (7) DAYS' PRIOR TO PERFORMING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL LOWER AND MAINTAIN THE POOL ELEVATION OF THE LAKE IN A DRAINED STATE UNTIL MODIFICATIONS AND IMPROVEMENTS TO THE DAM AND SPILLWAY OUTLET WORKS ARE COMPLETE.
- 7. THE CONTRACTOR'S CONTROL OF WATER PLAN SHALL INCLUDE CONSIDERATIONS AND ACTIVITIES ASSOCIATED WITH THE REMOVAL, DISPOSAL, AND/OR RELOCATION OF FISH AND OTHER AQUATIC SPECIES PRIOR TO OR DURING THE DEWATERING OF THE LAKE. THE CONTRACTOR SHALL COORDINATE WITH THE TOWN OF TYRONE TO DETERMINE ACCEPTABLE REMOVAL DISPOSAL, AND/OR RELOCATION METHODS.

SOIL COMPACTION NOTES:

- 1. ALL AREAS TO RECEIVE STRUCTURAL FILL TO BE CLEARED AND STRIPPED FREE OF TOPSOIL, ROOTS, STUMPS, ORGANICS AND ALL OTHER DELETERIOUS MATERIAL.
- 2. SUBGRADE AREAS WHICH ARE EXCESSIVELY WET, SOFT, OR DEEMED OTHERWISE UNSUITABLE BY THE ENGINEER, SHALL BE UNDERCUT AND REPLACED WITH FILL MATERIALS AS RECOMMENDED BY THE ENGINEER AND COMPACTED IN ACCORDANCE WITH NOTE (4) OF THIS SECTION.
- 3. AREAS TO RECEIVE STRUCTURAL FILL SHALL BE BENCHED INTO EXISTING SLOPES (SEE DETAILS ON THIS SHEET), DENSIFIED. AND SHALL BE AT SUCH MOISTURE CONTENT THAT THE FILL SOILS CAN BE COMPACTED AGAINST THE SLOPE TO EFFECT A GOOD BOND BETWEEN THE FILL SOILS AND THE EXISTING SOILS.
- 4. STRUCTURAL FILL TO BE PLACED IN MAXIMUM 9-INCH LOOSE LIFTS AND COMPACTED TO AT LEAST 95% OF THE MAXIMUM STANDARD PROCTOR DRY DENSITY AND BETWEEN OPTIMUM AND 4% ABOVE OPTIMUM MOISTURE CONTENT AS DETERMINED BY THE STANDARD PROCTOR TEST (ASTM D-698). HAND COMPACTED FILL, INCLUDING FILL COMPACTED BY MANUALLY DIRECTED POWER TAMPERS TO BE PLACED IN MAXIMUM 4-INCH LOOSE LIFTS AND COMPACTED TO AT LEAST 95% OF THE MAXIMUM STANDARD PROCTOR DRY DENSITY AND BETWEEN OPTIMUM AND 4% ABOVE OPTIMUM MOISTURE CONTENT AS DETERMINED BY THE STANDARD PROCTOR TEST (ASTM D-698).
- 5. ALL FILL SOILS TO BE PLACED UNDER THE OBSERVATION OF THE ENGINEER OR HIS REPRESENTATIVE.
- 6. CONTRACTOR SHALL OBTAIN BORROW FROM ONSITE EXCAVATIONS, IF THE MATERIAL MEETS PROJECT REQUIREMENTS. SHOULD THE ONSITE MATERIAL NOT MEET PROJECT REQUIREMENTS OR BE OF INSUFFICIENT QUANTITY, CONTRACTOR SHALL IDENTIFY AN OFFSITE BORROW SOURCE THAT MEETS PROJECT REQUIREMENTS AND SUBMIT SOIL SAMPLES TO THE ENGINEER FOR REVIEW AND APPROVAL.
- 7. UTILIZE SHEEPSFOOT ROLLER TO COMPACT SOILS IN MASS GRADING/FILLING ACTIVITIES. MECHANICAL HAND TAMPERS WILL BE USED TO COMPACT SOIL AROUND, ABOVE OR ADJACENT TO STRUCTURES AND/OR CONDUITS WHERE THE USE OF LARGE SHEEPSFOOT ROLLERS MAY DAMAGE STRUCTURES. MECHANICAL HAND TAMPERS WILL BE USED WITHIN 3 FEET OF ALL STRUCTURES.

NOTES ON FILTER CONSTRUCTION:

- 1. DIAPHRAGM FILTER CONSTRUCTION WILL CONSIST OF INSTALLING FINE DRAIN AGGREGATE.
- 2. UTILIZE ASTM C-33 SAND FOR FINE DRAINAGE AGGREGATE. CONTRACTOR TO FURNISH ENGINEER WITH THE GRADATION OF ASTM C-33 SAND FROM SUPPLIER PRIOR TO USE. SAND FOR FINE DRAINAGE AGGREGATE SHALL BE NATURAL / RIVER RUN MATERIAL. SAND CREATED FROM ROCK CRUSHING OPERATIONS WILL NOT BE PERMITTED. SAND DERIVED FROM LIMESTONE OR OTHER MATERIALS HAVING EITHER CEMENTITIOUS OR SOLUTIONING PROPERTIES WILL NOT BE ACCEPTED. ENGINEER SHALL REVIEW AND APPROVE SOURCE OF SAND.
- SOME MODIFICATIONS OF DRAIN LAYOUT MAY BE REQUIRED IN THE FIELD TO ACCOMMODATE EXISTING SITE TOPOGRAPHY.
- 4. INSTALLATION OF DIAPHRAGM FILTER WILL BE ACCOMPLISHED IN SUCH A MANNER THAT WORKER SAFETY IS NOT COMPROMISED IN ANY WAY. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO PREVENT COLLAPSE OF TRENCH OR SLOPE INSTABILITY DURING INSTALLATION.
- 5. ALL GEOTEXTILE FABRIC UNDERLYING PROPOSED RIPRAP TO BE NON-WOVEN, NEEDLE-PUNCHED POLYPROPYLENE WITH A MINIMUM WEIGHT OF EIGHT (8) OUNCES PER SQUARE YARD, AND AN A.O.S. (U.S. SIEVE NO.) OF 80. GEOTEXTILE MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION. ALL GEOTEXTILE MATERIALS MUST BE DELIVERED TO THE JOB SITE IN FACTORY-INSTALLED PROTECTIVE WRAPPINGS WITH ATTACHED DOCUMENTATION CERTIFYING THE QUALITY AND CONDITION OF GEOTEXTILE. USE OF AN UNAPPROVED GEOTEXTILE WILL RESULT IN REMOVAL OF MATERIAL AT CONTRACTOR'S EXPENSE.

GENERAL NOTES FOR CONCRETE STRUCTURES:

EXCEPT AS OTHERWISE NOTED OR SPECIFIED, THESE GENERAL NOTES SHALL APPLY TO THE CONCRETE STRUCTURES.

ALL CONCRETE SHALL CONFORM TO THE MOST RECENT EDITION OF "CODE REQUIREMENTS FOR ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES, ACI-350."

STRUCTURAL DESIGN IS BASED UPON CONCRETE WITH A COMPRESSIVE STRENGTH OF 4500 PSI AT 28 DAYS AND REINFORCEMENT WITH A MINIMUM YIELD STRENGTH OF 60,000 PSI.

CONCRETE TESTING WILL BE IN COMPLIANCE WITH THE FOLLOWING ASTM STANDARDS: C31, C39, C138, C143, C172, C173, AND C231.

FOR REINFORCING STEEL

2.

3.

4.

5.

7.

8.

9.

- a. FOR DEVELOPMENT AND LAP SPLICE LENGTH, REFER TO ACI 318 AND ACI 350.
- REINFORCEMENT SHALL HAVE A MINIMUM LENGTH OF 20'-0" BETWEEN SPLICES UNLESS OTHERWISE SHOWN SPLICES SHALL NOT CROSS CONSTRUCTION OR CONTRACTION JOINTS.
- SPLICE DIMENSIONS SHOWN ARE MINIMUM VALUES. CONTRACTOR MAY ELECT TO UTILIZE LONGER SPLICE LENGTHS TO ACCOUNT FOR POTENTIAL CONSTRUCTION VARIANCES AT NO ADDITIONAL COST TO THE OWNER.

FOR DOWEL BARS:

- a. DOWEL BARS SHALL MEET THE REQUIREMENTS OF ASTM A36 AND ARE TO BE GALVANIZED IN ACCORDANCE WITH ASTM A123.
- b. PLAIN DOWEL BARS SHALL BE 2 FEET LONG AND 3/4" DIAMETER SMOOTH STEEL.
- c. ONE-HALF OF EACH DOWEL BAR SHALL BE COATED WITH HEAVY GREASE TO PREVENT BOND WITH CONCRETE. d. DOWELS SHALL BE KEPT IN STRAIGHT ALIGNMENT, AS SHOWN IN THE PLANS, DURING AND
- SUBSEQUENT TO CONCRETE PLACEMENT.
- e. DOWELS SHALL BE SPACED 12 INCHES APART ALONG ALL CONTRACTION JOINTS UNLESS OTHERWISE NOTED.
- CHAMFER ALL EXPOSED CORNERS 3/4" UNLESS OTHERWISE SHOWN OR DESIGNATED.

CUT OR BEND STEEL REINFORCING BARS AS NECESSARY TO INSTALL DRAIN PIPE OUTLETS.

JOINTS

a. ADDITIONAL CONSTRUCTION JOINTS OR RELOCATION OF CONSTRUCTION JOINTS MAY BE USED IF

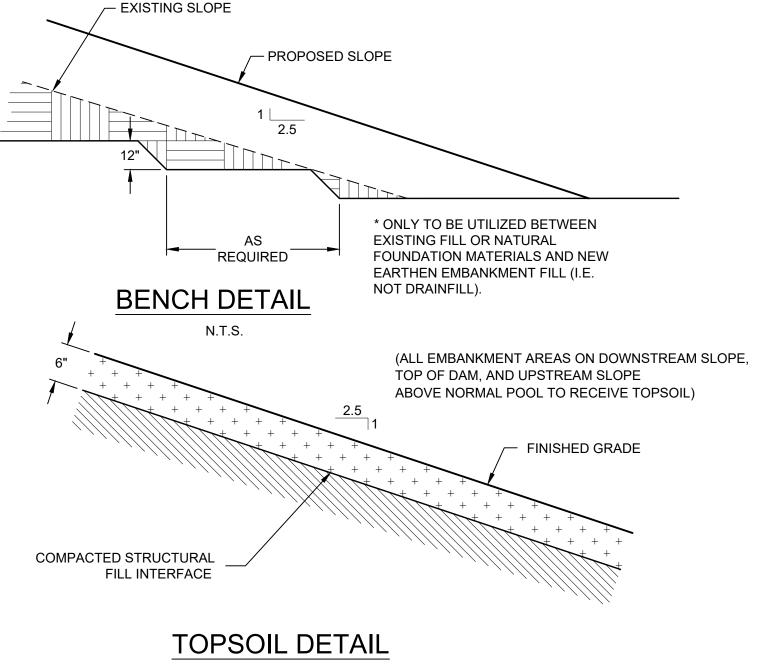
APPROVED BY ENGINEER. b. CONSTRUCTION JOINTS SHALL BE AS SHOWN ON THE PLANS. UNDER NO CIRCUMSTANCES MAY A SECTION OF WALL BE POURED HIGHER THAN TEN FEET DURING ANY ONE PLACEMENT (UNLESS OTHERWISE SHOWN).

10. EMBEDDED MATERIALS

- a. BEFORE PLACING CONCRETE, CARE SHALL BE TAKEN THAT ALL EMBEDDED ITEMS ARE IN POSITION AND SECURELY FASTENED IN PLACE. b. ALL WATERSTOPS SHALL BE SUPPORTED AND PROTECTED FROM DAMAGE AND EXPOSURE

11. CLEAR COVER TO REINFORCEMENT DISTANCE SHALL BE 2" FROM FORMED FACES/EDGES AND 3" FROM UNFORMED FACES/EDGES CAST AGAINST EARTH OR ROCK (UNLESS OTHERWISE SHOWN).

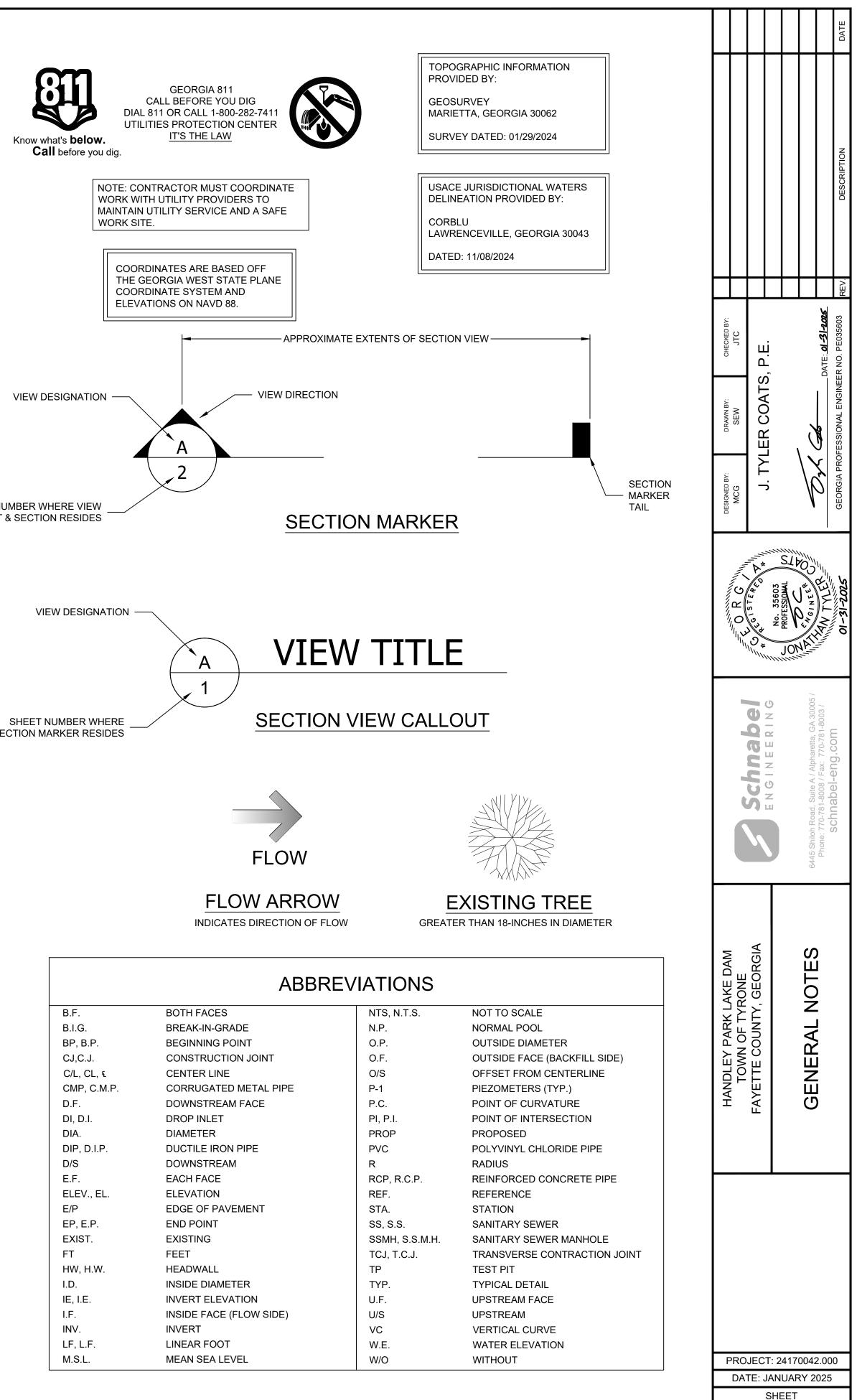
FILL MATERIALS	COMPACTION REQUIREMENTS								
	S ED		MOISTURE LIMITS PERCENT OPTIMUM		MAXIMUM LAYER	MAX. ROCK	CONTROL TEST		
	UNIFIED CLASS	PERCENT OF MAXIMUM			THICKNESS INCHES	SIZE IN	A.S.T.M.		
DESCRIPTION	50	DENSITY	FROM	FROM TO UNCOMPACTED		INCHES	DESIGN		
ANDY SILT	ML	95 (MIN)	OPT.	+4	9	6	ASTM D-698		
SILTY SAND	SM	95 (MIN)	OPT.	+4	9	6	ASTM D-698		
CLAYEY SAND	SC	95 (MIN)	OPT.	+4	9	6	ASTM D-698		
EAN CLAY	CL	95 (MIN)	OPT.	+4	9	6	ASTM D-698		

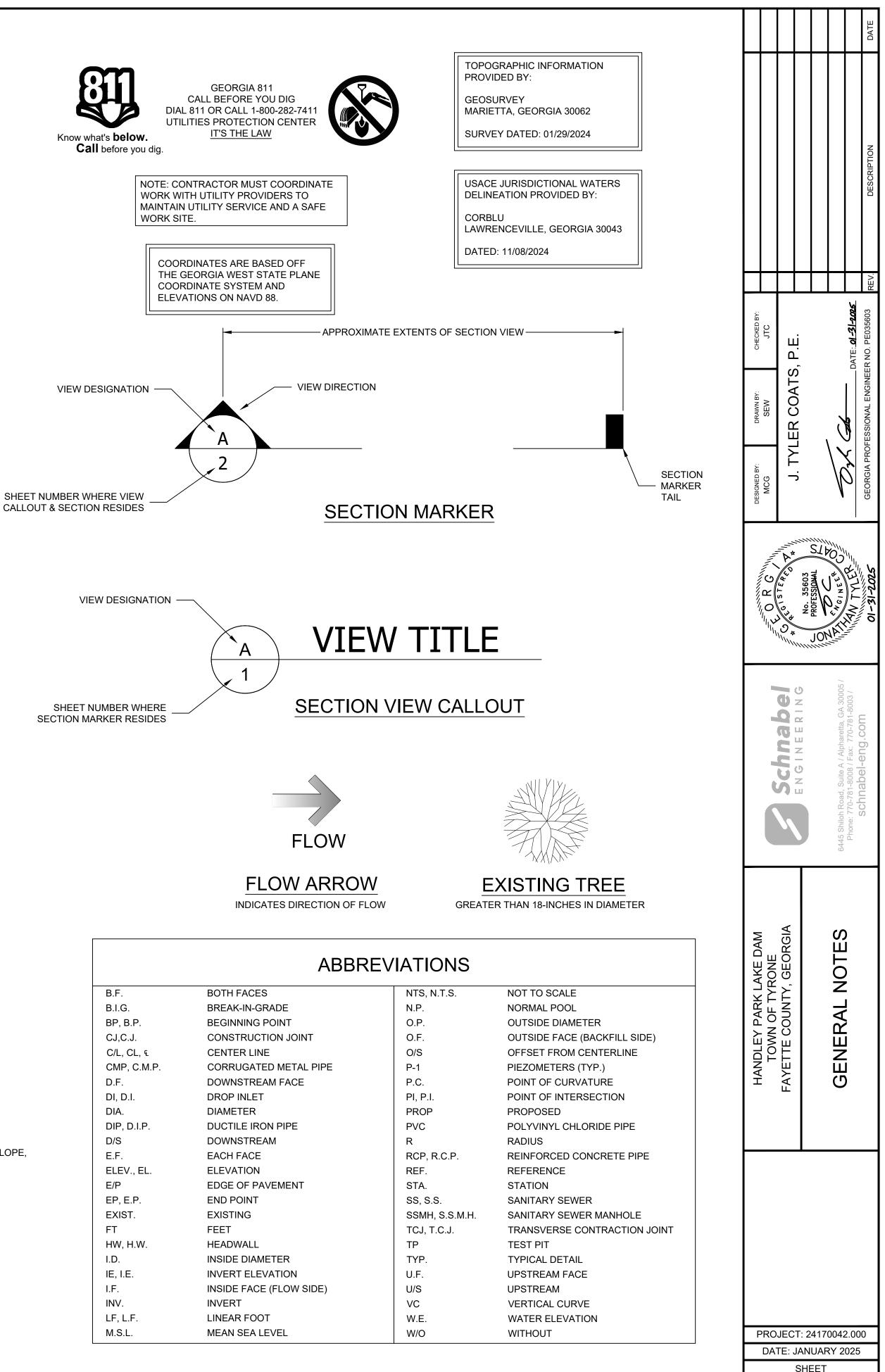


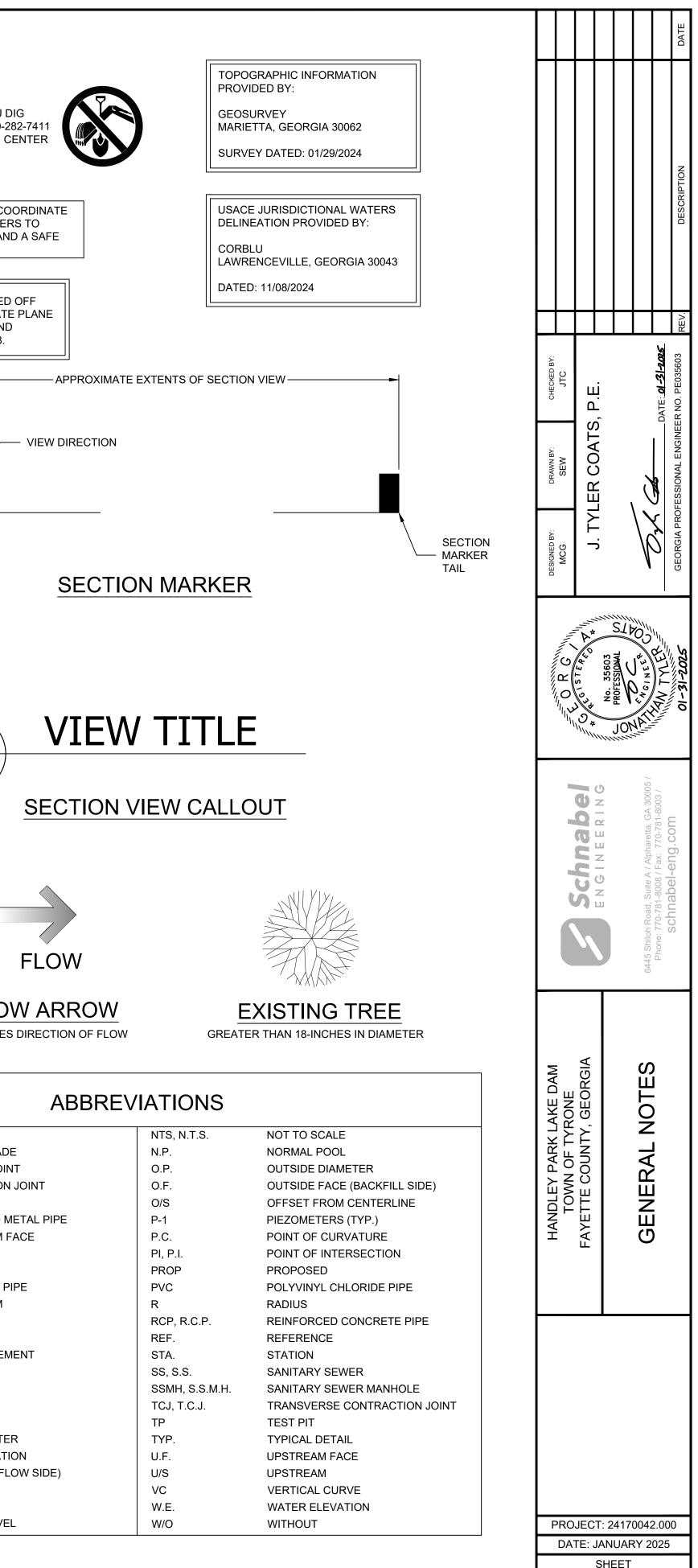
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GEORGIA 811 CALL BEFORE YOU DIG IT'S THE LAW

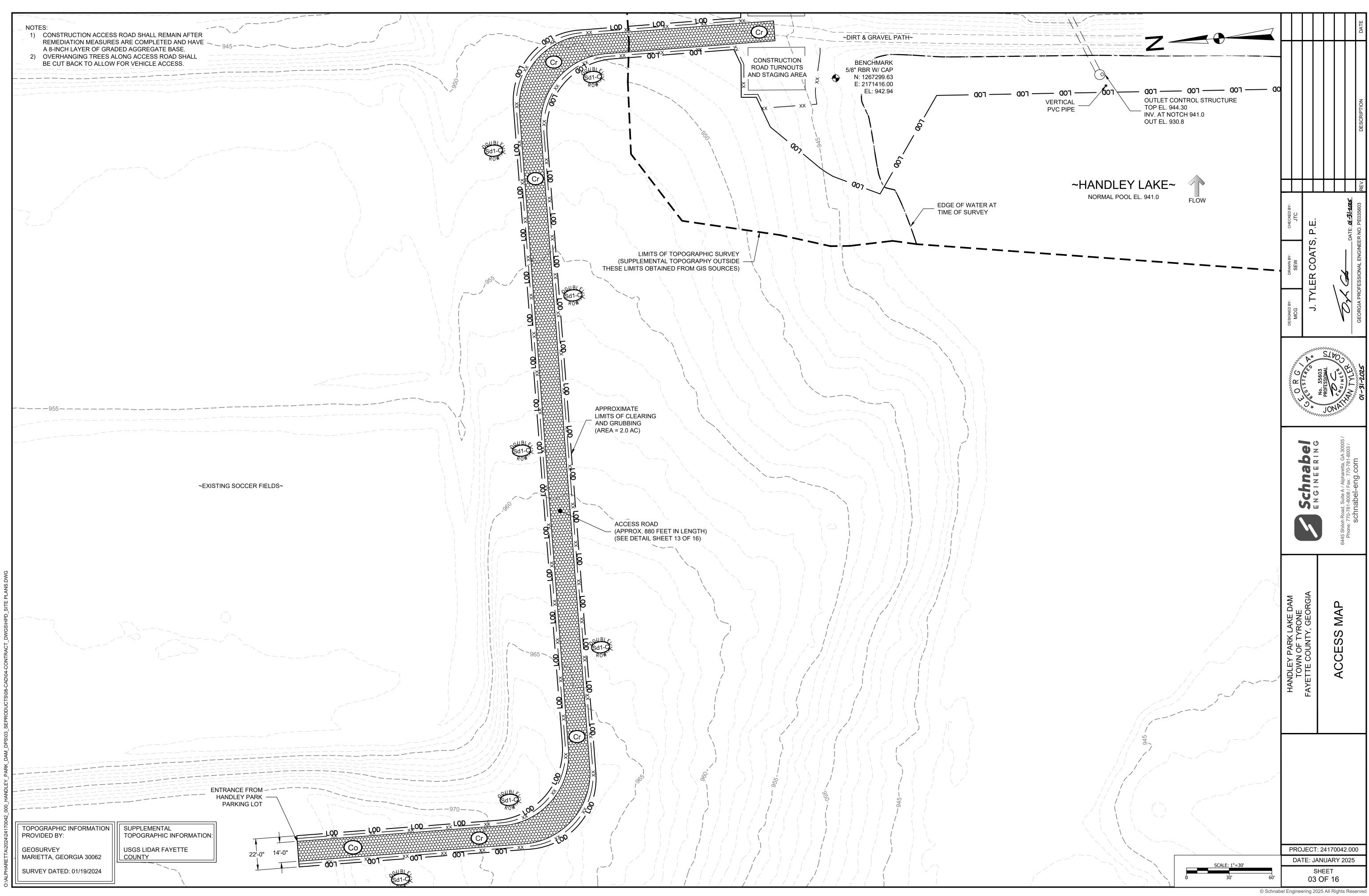


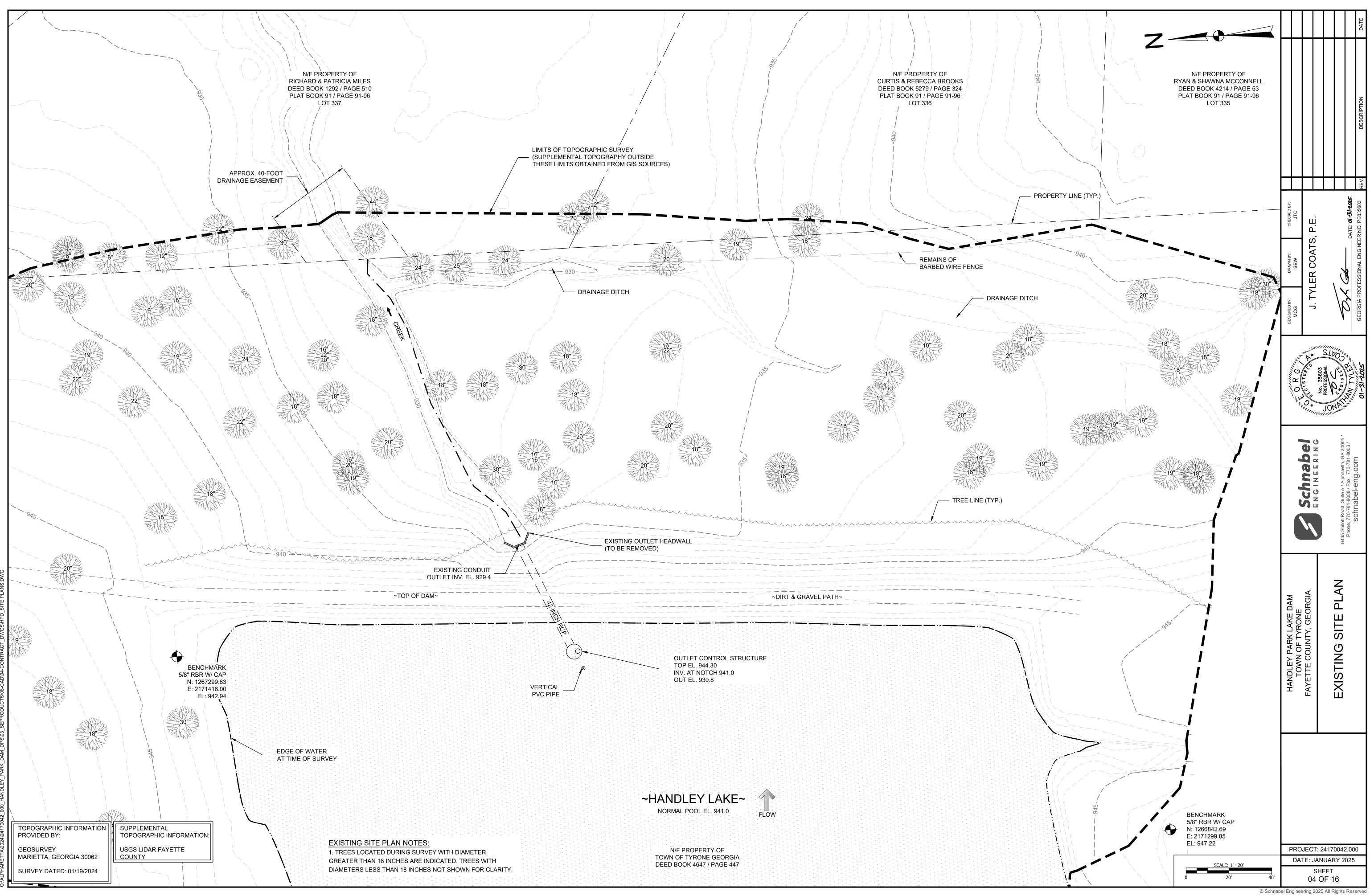


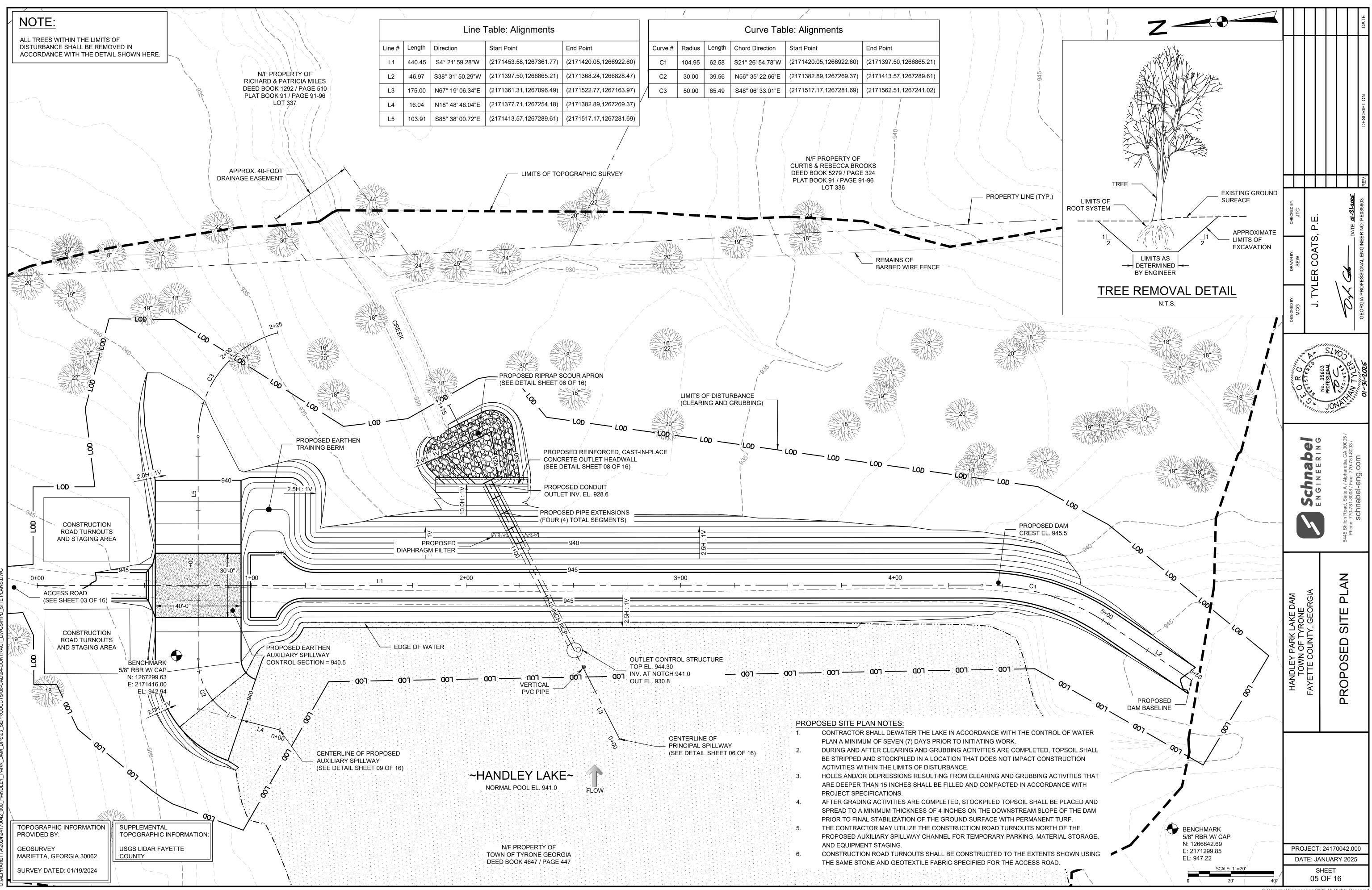


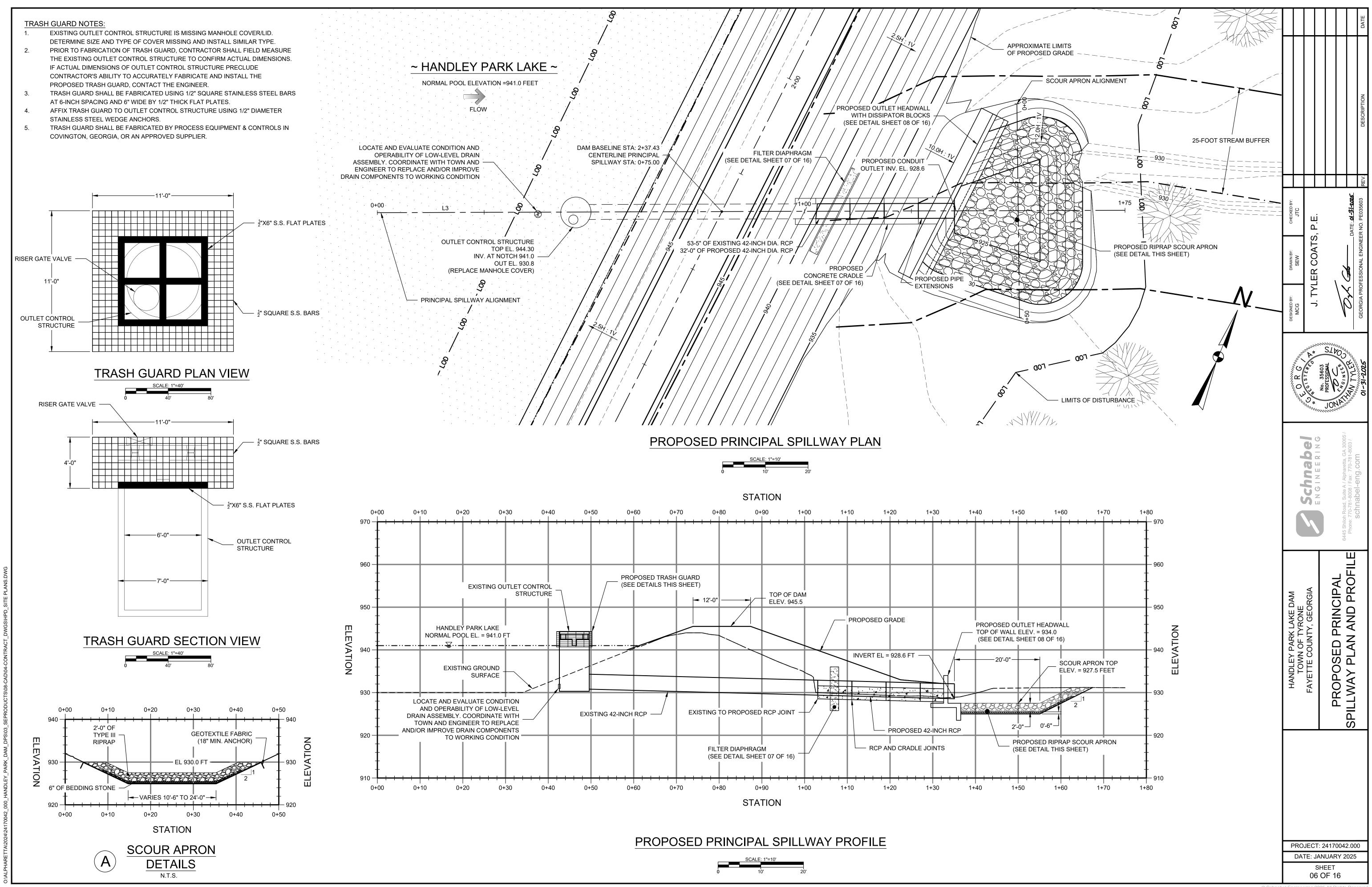
	A
B.F.	BOTH FACES
8.I.G.	BREAK-IN-GRADE
8P, B.P.	BEGINNING POINT
CJ,C.J.	CONSTRUCTION JOINT
C/L, CL, €	CENTER LINE
MP, C.M.P.	CORRUGATED METAL PIP
).F.	DOWNSTREAM FACE
)I, D.I.	DROP INLET
DIA.	DIAMETER
)IP, D.I.P.	DUCTILE IRON PIPE
)/S	DOWNSTREAM
F.	EACH FACE
ELEV., EL.	ELEVATION
/P	EDGE OF PAVEMENT
P, E.P.	END POINT
XIST.	EXISTING
T	FEET
IW, H.W.	HEADWALL
D.	INSIDE DIAMETER
Ξ, Ι.Ε.	INVERT ELEVATION
F.	INSIDE FACE (FLOW SIDE)
NV.	INVERT
F, L.F.	LINEAR FOOT
1.S.L.	MEAN SEA LEVEL

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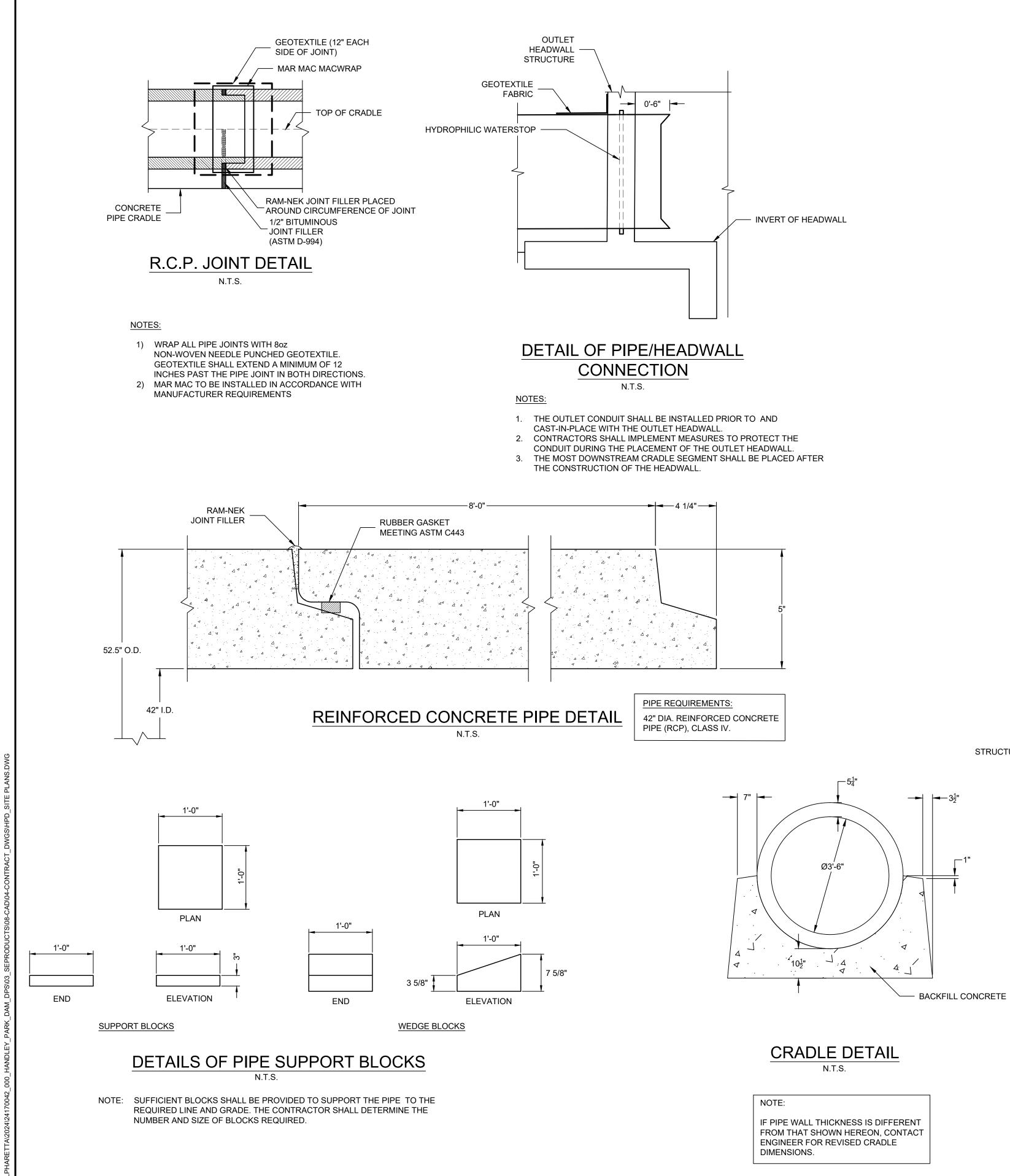


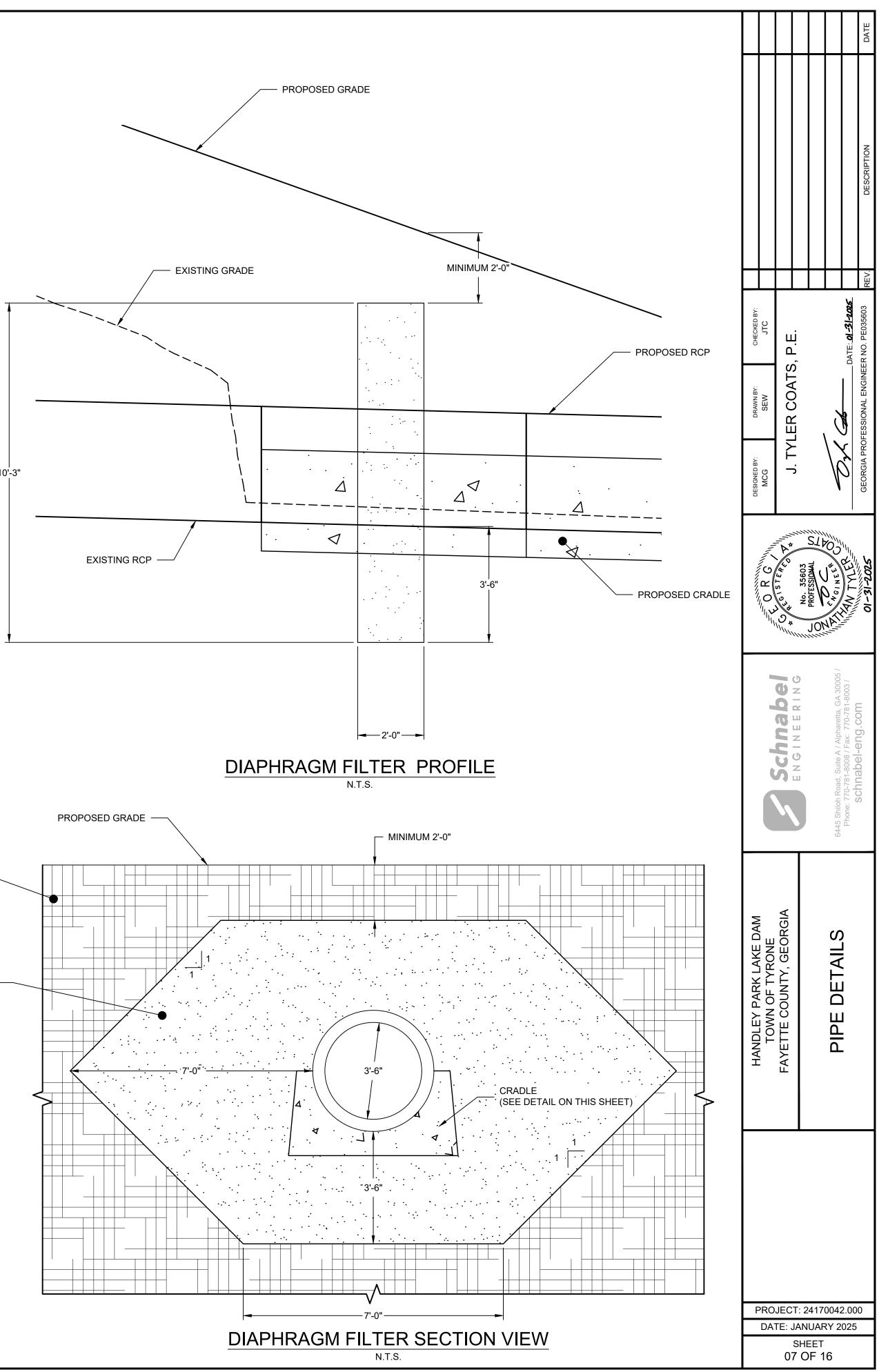


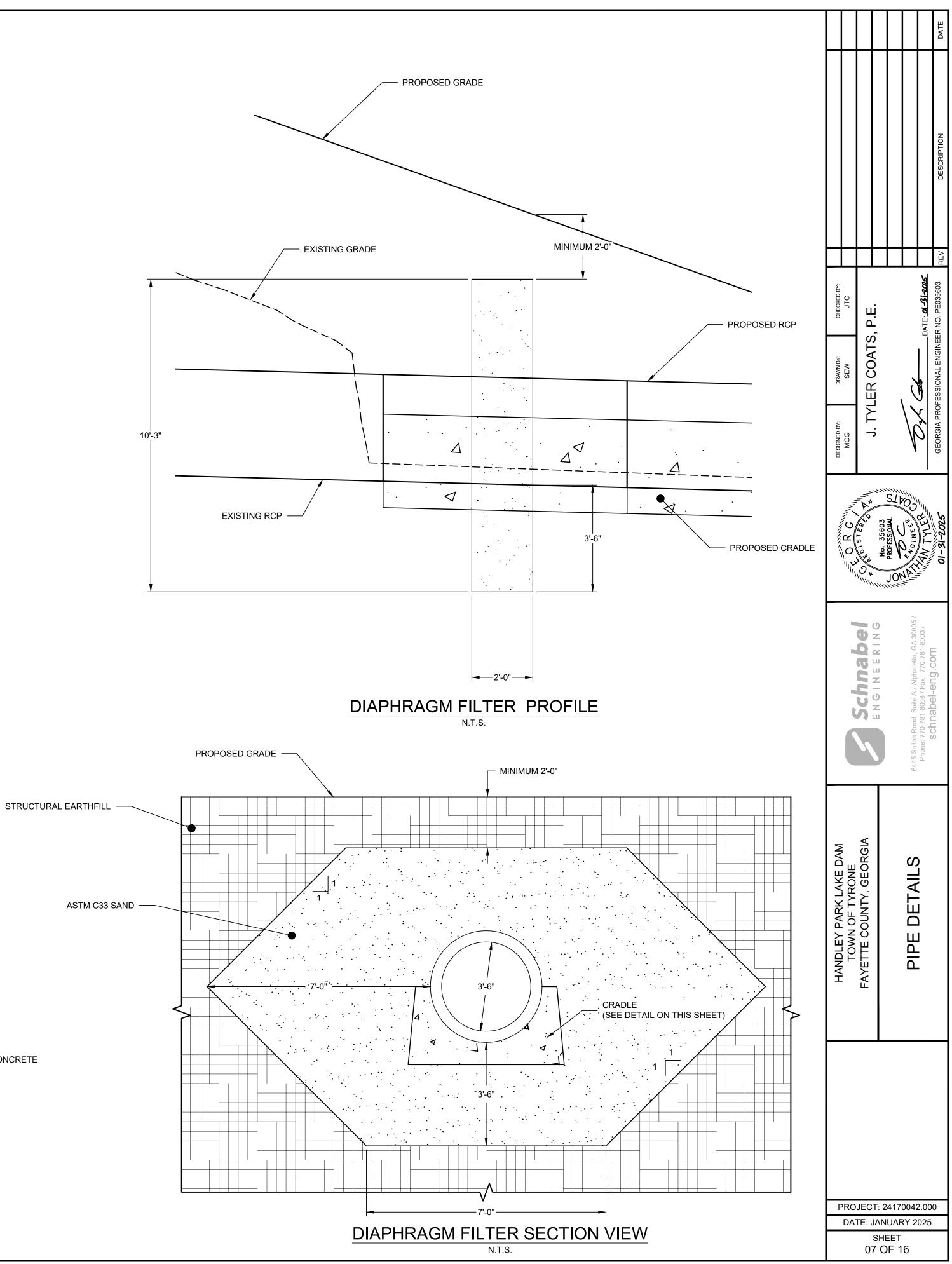




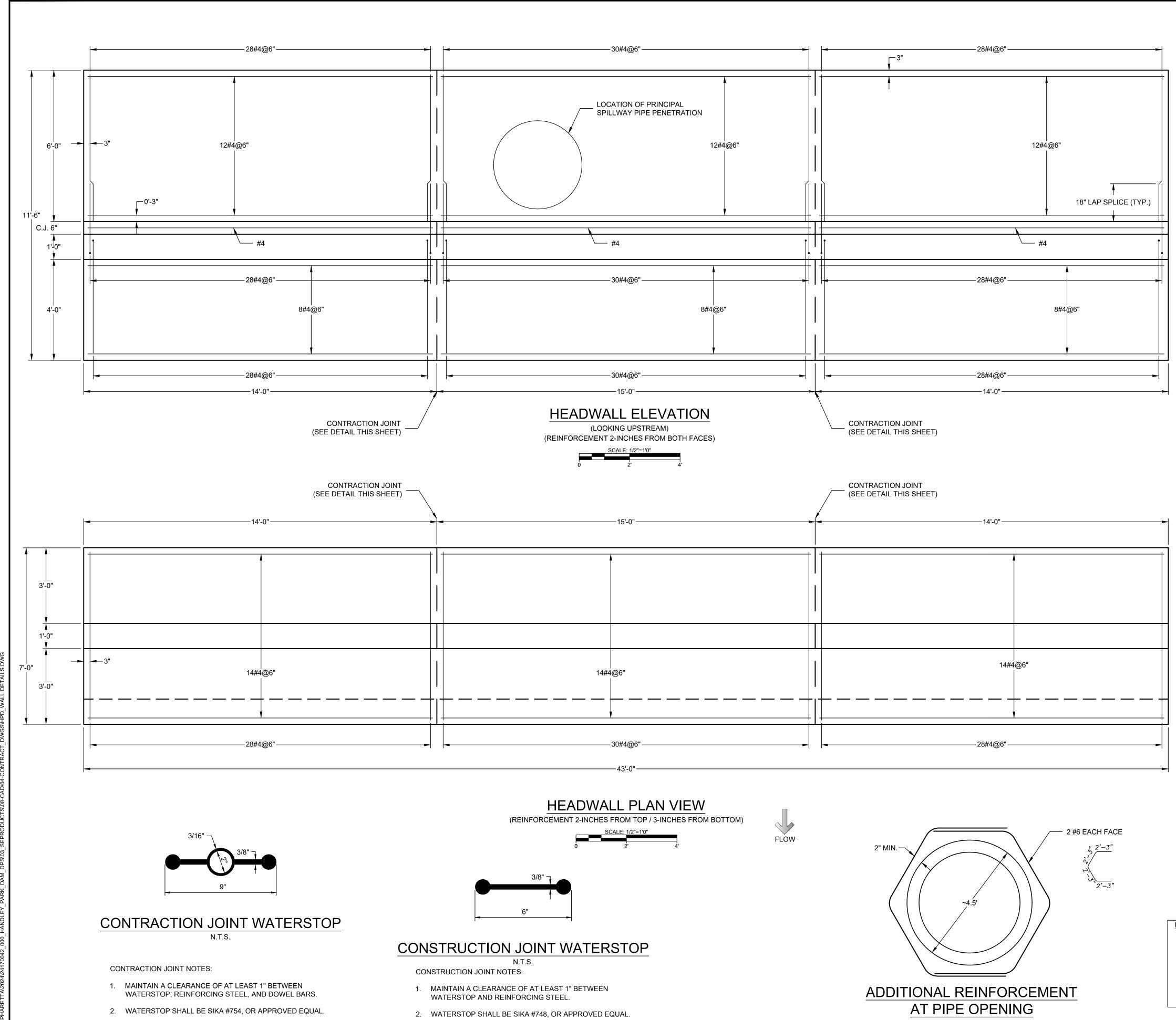
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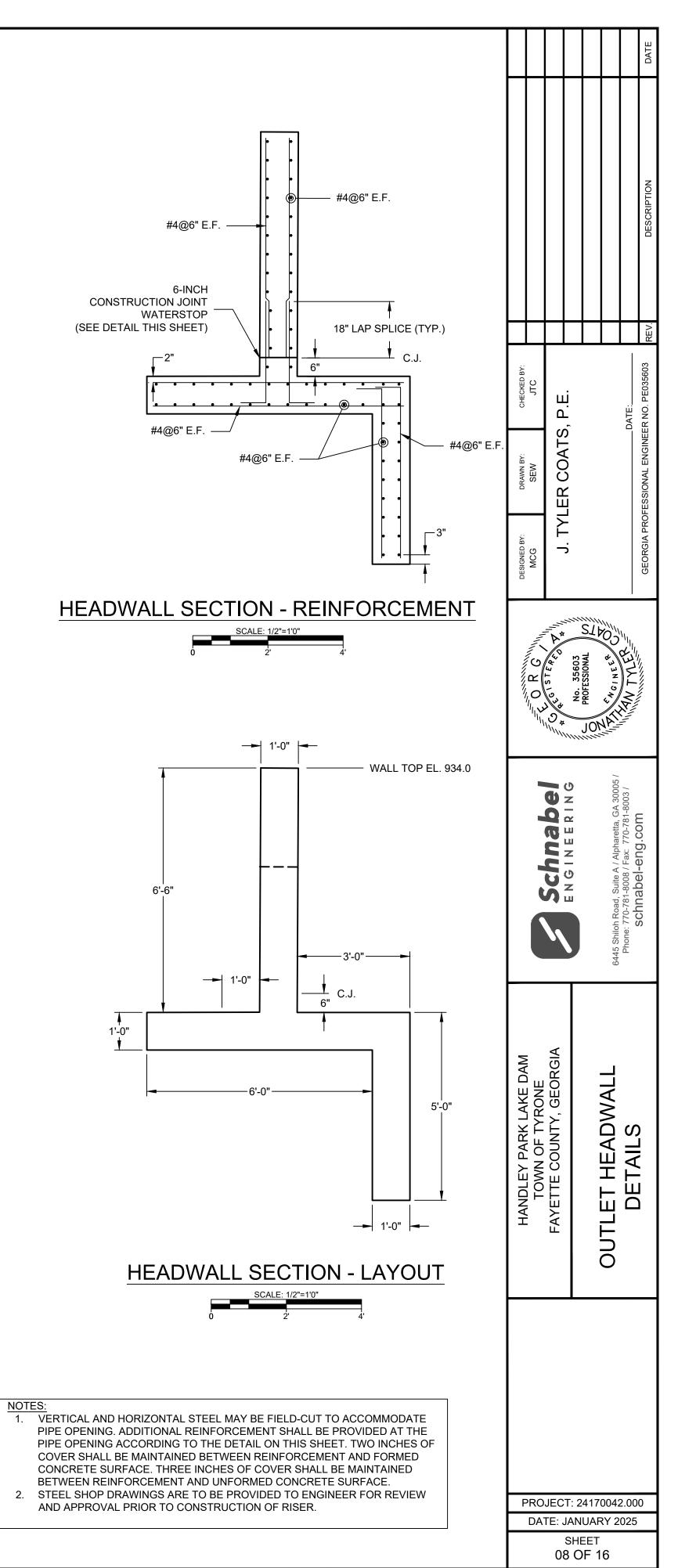




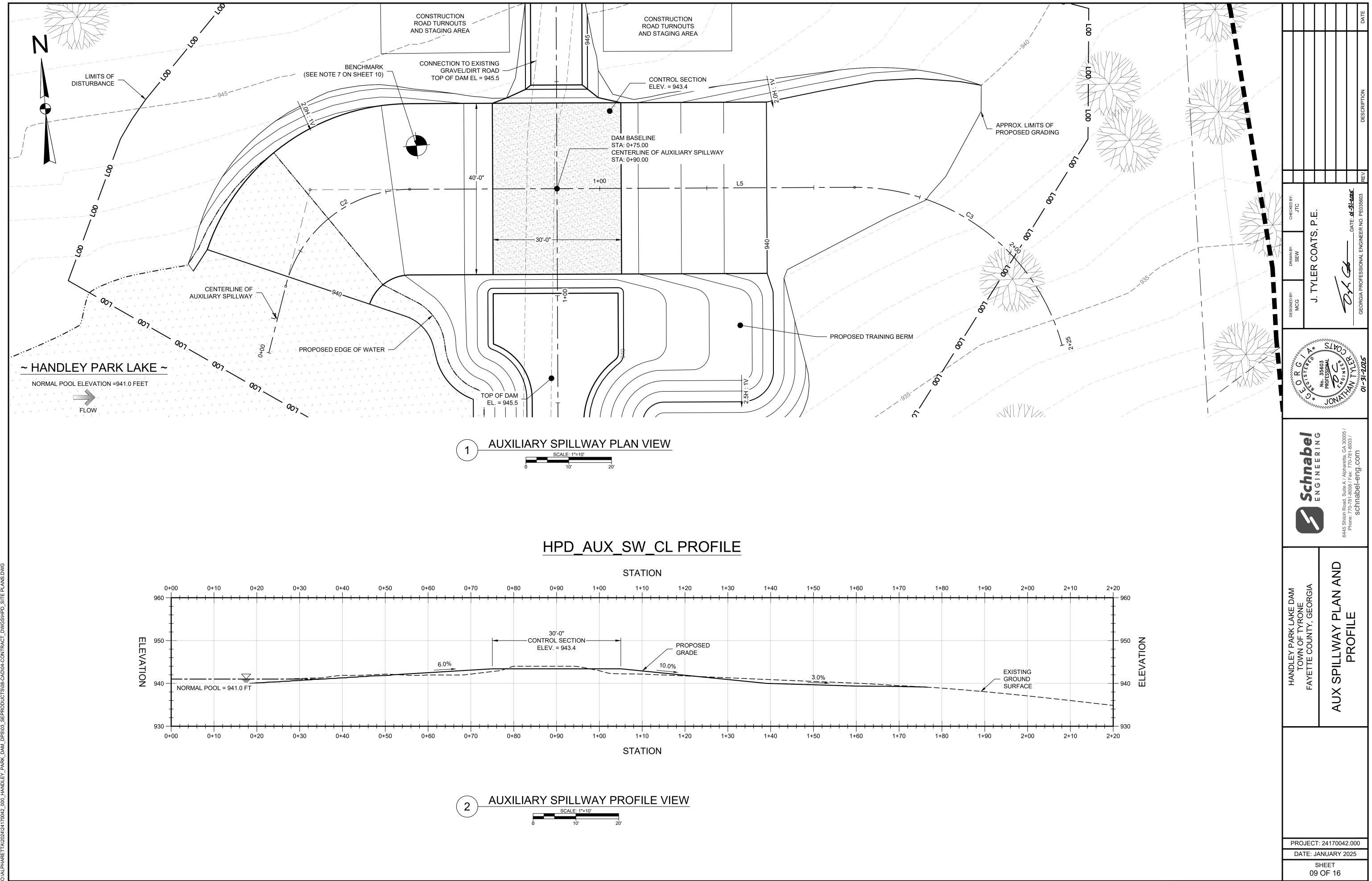
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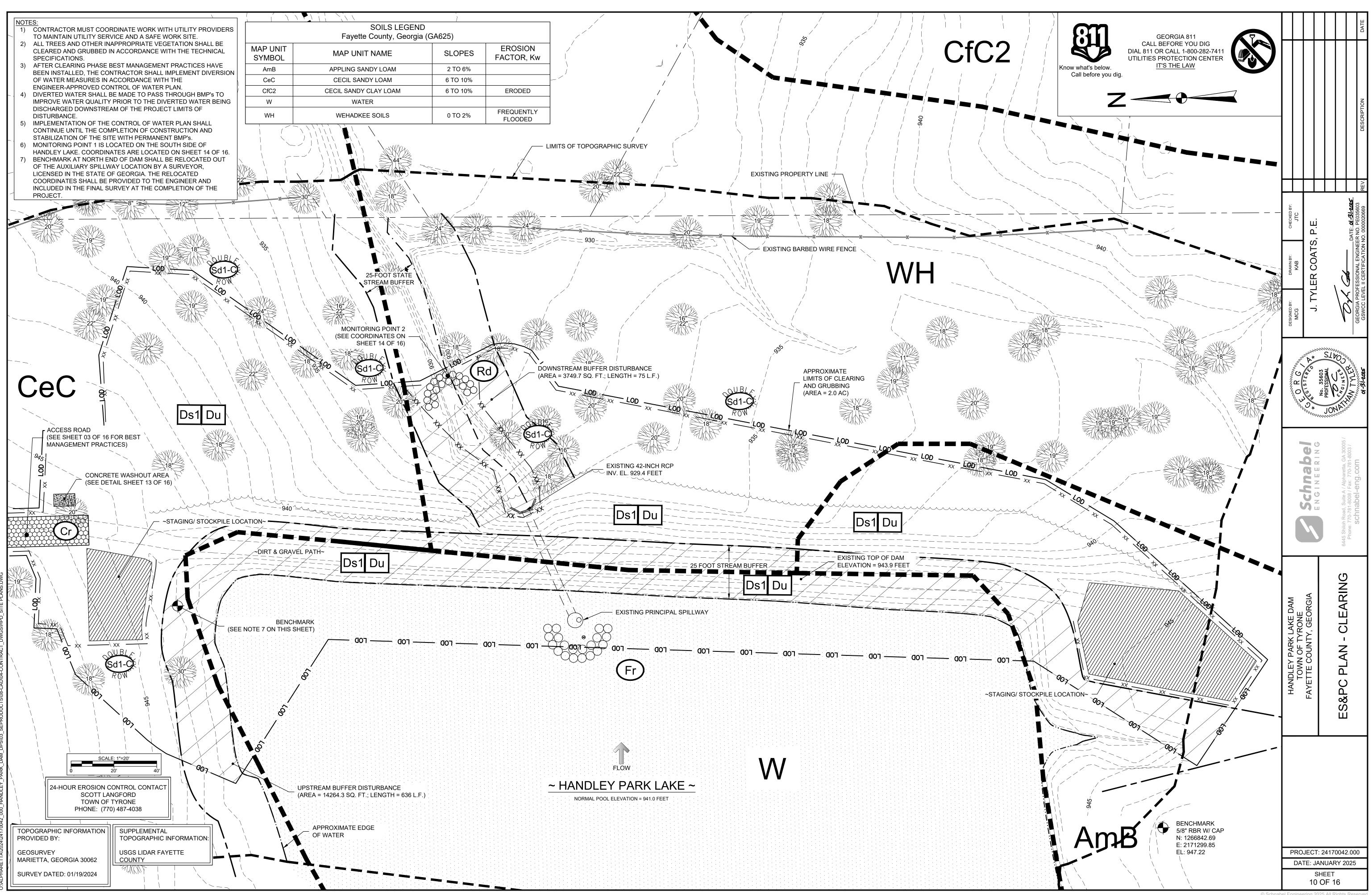


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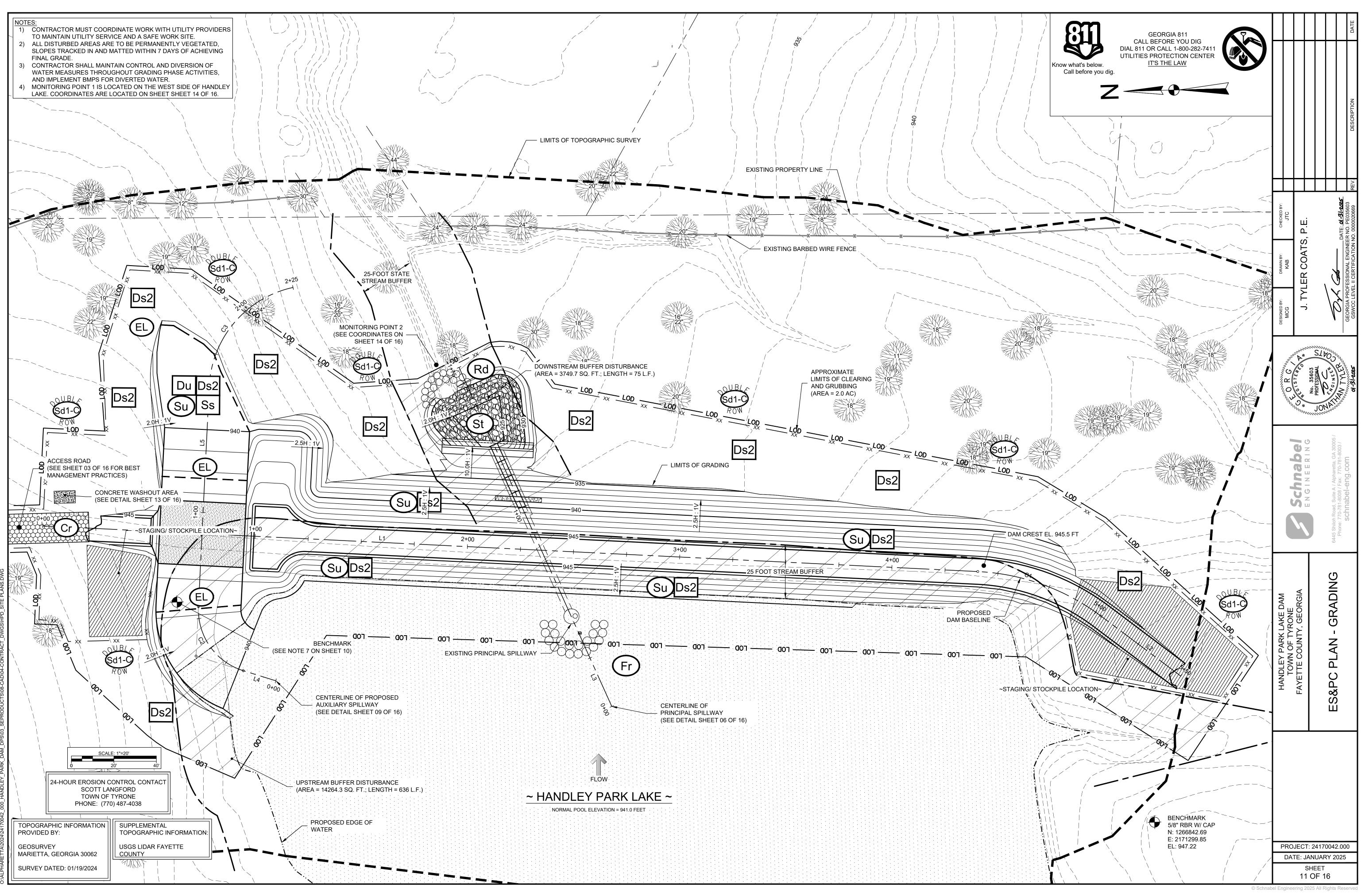


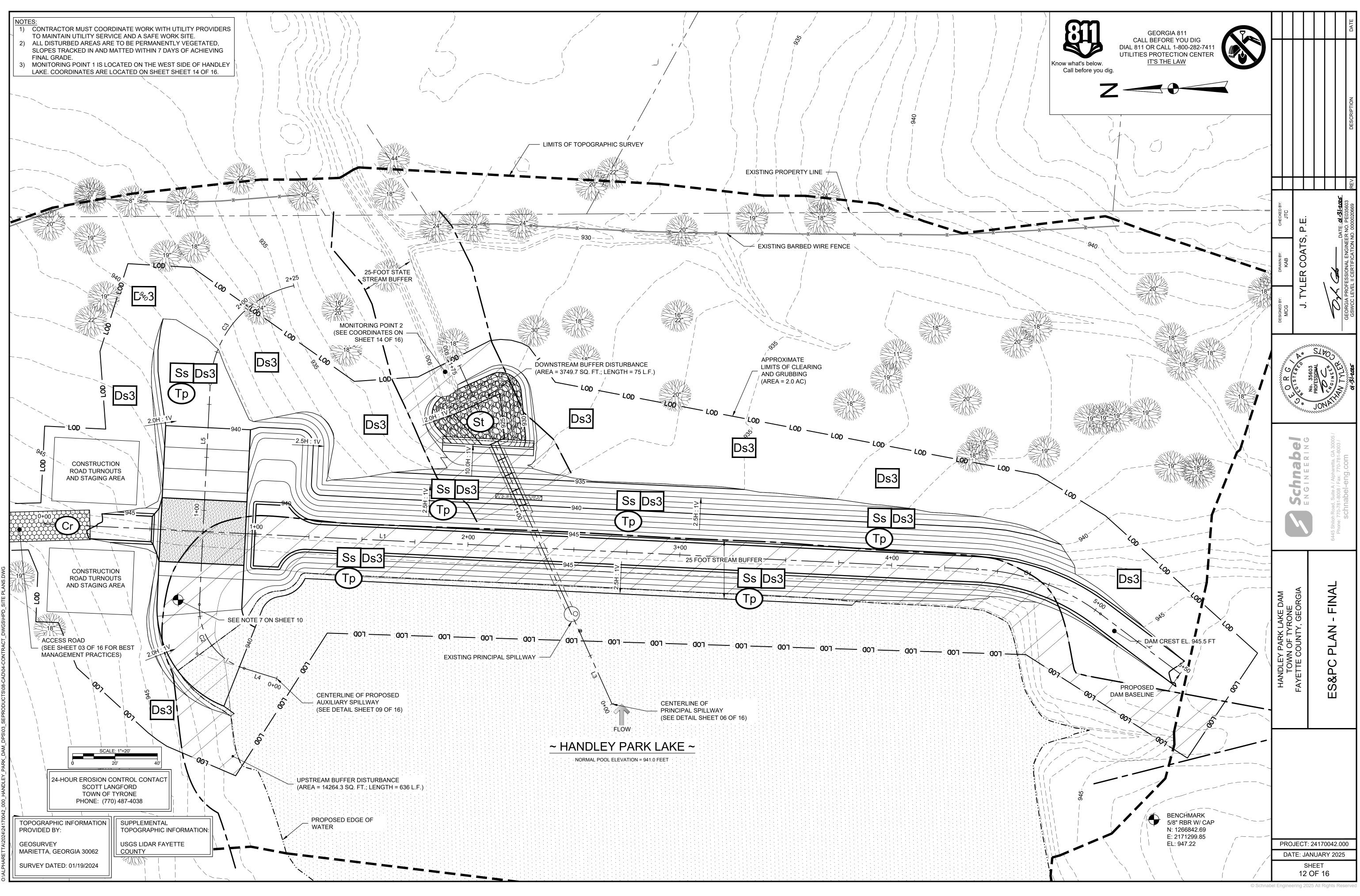
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WASHOUT PROCEDURES

1. A SIGN SHALL BE INSTALLED WITHIN 30 FEET OF EACH WASHOUT FACILITY TO INFORM CONCRETE EQUIPMENT OPERATORS TO UTILIZE THE PROPER FACILITIES. WASHOUT FACILITY SHALL BE BOUND ON THREE SIDES WITH ORANGE TREE PROTECTION FENCE TO MARK LOCATION.

2. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.

3. TEMPORARY WASHOUT FACILITIES SHALL HAVE A TEMPORARY PIT OR BERMED AREA OF SUFFICIENT VOLUME TO COMPLETELY CONTAIN ALL LIQUID AND WASTE CONCRETE MATERIALS GENERATED DURING WASHOUT PROCEDURES.

4. PERFORM WASHOUT OF CONCRETE MIXERS, DELIVERY TRUCKS, AND OTHER DELIVERY SYSTEMS IN DESIGNATED AREAS ONLY.

5. WASH CONCRETE ONLY FROM MIXER CHUTES INTO APPROVED CONCRETE WASHOUT FACILITY. WASHOUT MAY BE COLLECTED IN AN IMPERMEABLE BAG OR OTHER IMPERMEABLE CONTAINMENT DEVICE FOR DISPOSAL.

6. PUMP EXCESS IN CONCRETE PUMP BIN BACK INTO CONCRETE MIXER TRUCK.

7. CONCRETE WASHOUT FROM CONCRETE PUMPER BINS CAN BE WASHED INTO CONCRETE PUMPER TRUCKS AND DISCHARGED INTO DESIGNATED WASHOUT AREA OR PROPERLY DISPOSED OFFSITE.

8. ONCE CONCRETE WASTES ARE WASHED INTO THE DESIGNATED AREA AND ALLOWED TO HARDEN, THE CONCRETE SHALL BE BROKEN UP, REMOVED, AND DISPOSED OF IN AN APPROVED INERT LANDFILL.

9. PLASTIC LINING MATERIAL SHALL BE A MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND SHALL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL. LINER SEAMS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.

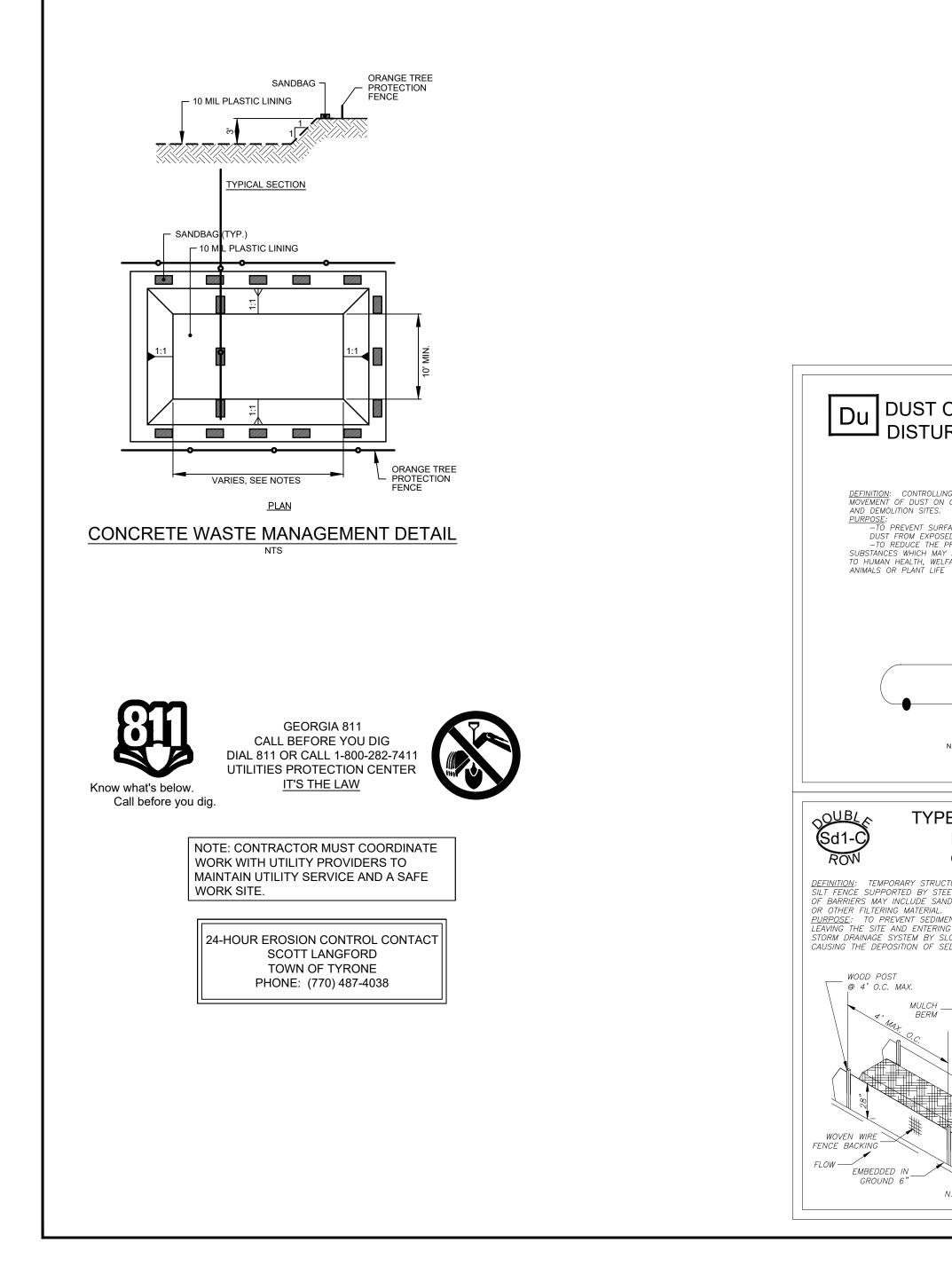
10. THE SOIL BASE SHALL BE PREPARED FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE PLASTIC LINING MATERIAL

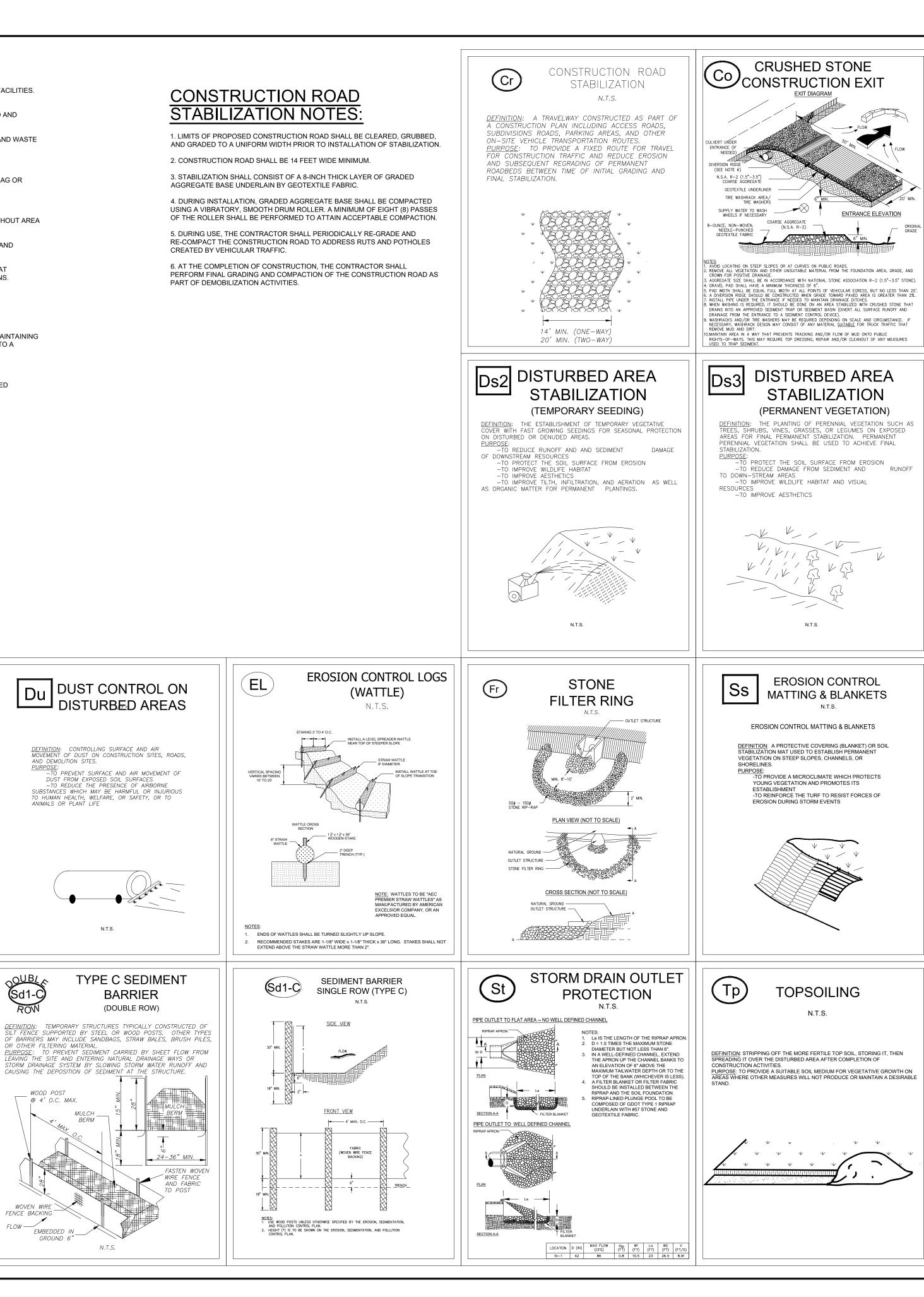
MAINTENANCE AND INSPECTION

1. TEMPORARY WASHOUT FACILITIES SHALL BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 12 INCHES. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION. HARDENED CONCRETE MATERIALS SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED INERT LANDFILL.

2. EXISTING FACILITIES MUST BE CLEANED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.

3. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED FOR DAMAGE (I.E. TEARS IN POLYETHYLENE, MISSING SANDBAGS, ETC.). DAMAGED FACILITIES SHALL BE REPAIRED.





GE	ORGIA SC	IL AND WA	TER C	MENT CONTROL PRACTIC ONSERVATION COMMISSION PRACTICES			
COD				DECODIDITION			
	СНЕСКДАМ		ſ	A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.			
Ch	CHANNEL STABILIZATION		T	Improving, constructing or stabilizing an open channel, existing stream, or ditch.			
			e e	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting			
Cr	CONSTRUCTION ROAD STABILIZATION	(
Do	STREAM		\$	on-site vehicle transportation routes. A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.	BY:		
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.	CHECKED BY: JTC	щ	
(Dn'	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		S, P	
Uni	PERMANENT		(LABL	and inexpensive. A paved chute, pipe, sectional conduit or similar material designed to safely conduct surface runoff down a slope.	drawn by: KAB	OATS	
Fr) FILTER RING	E			DRAW KA	ER C	
Ga	GABION		<u>J</u>	Rock filter baskets which are hand-placed into position forming soil stabilizing structures.		TYLE	
Gr	GRADE STABILIZATION STRUCTURE		© J	Permanent structures installed to protect channels or waterways where otherwise the slope would be sufficient for the running	DESIGNED BY: MCG		
Lv	LEVEL SPREADER			water to form gullies. A structure to convert concentrated flow of water into less erosive sheet flow. This should be constructed only on undisturbed	DES		
Rd	ROCK FILTER DAM		5	soils. A permanent or temporary stone filter dam installed across small streams or drainageways.			2/L
Re	RETAINING WALL	- Jerre La Constantina de la C	Re	A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special		A*	SINC SINC
Rt) RETRO FITTING		(LABEL	design. A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment		_	
Sd1) SEDIMENT BARRIER		(LARC	filter. A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles,			
Sd2	INLET SEDIMENT TRAP			arovel, or a silt fence. 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.	, ,	1/1/1//	J012
Sd3	TEMPORARY SEDIMENT BASIN	AC					
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		Ŭ Z	
Sk	FLOATING SURFACE SKIMMER		(Sk)~~	sediment basin is the lack of a pipe or riser. A buoyant device that releases/drains water from the surface of sediment pands, traps, or basins at a controlled rate of flow.			
Spt	SEEP BERM		(LABEL	Linear control device constructed as a diversion perpendicular to the direction of runoff to enhance dissipation and infiltration, while creating multicula eadimaterian chambers			
Sr	TEMPORARY STREAM		ST ST	while creating multiple sedimentation chambers with the employment of intermediate dikes. A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction	L.	л z	
(St	CROSSING STORMDRAIN OUTLET		(LARC 5)	rom admage by crossing construction equipment. A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated		1	
(Su	SURFACE ROUGHENING			runoff. A rough soil surface with horizontal depressions on a contour or slopes left in a			
) (Тс			To	roughened condition after grading. A floating or stoked barrier installed within the water (it may also be referred to as a			
 (Тр			K TPC	floating boom, silt barrier, or silt curtain). The practice of stripping off the more fertile soil, storing it, then spreading it over the disturbed area after completion of			
(Tr	TREE PROTECTION	\bigcirc	(SHOM STRIPING AND STORAGE AREAS	construction activities. To protect desirable trees from injury during construction activity.	DAM	GIA	
(Wt	VEGETATED WATERWAY OR STORMWATER			Paved or vegetative water outlets for diversions, terraces, berms, dikes or similar	LAKE DA 'RONE	GEORGIA	
	CONVEYANCE		 n <i>r</i> =	structures.	1 7 K	· ۲	
COD		EGETAT DETAIL	IVE F	PRACTICES	V OF T	COUNT	
Bf	BUFFER ZONE		K	Strip of undisturbed original vegetation, enhanced or restored existing vegetation or the reestablishment of vegetation surrounding	HANDLEY I TOWN	TTE C	ĺ
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)	A CONTRACTOR OF THE OF	Cs	an area of disturbance or bordering streams. Planting vegetation on dunes that are denuded artificially constructed, or re-nourished.	HAN	FAYETT	
Ds1			Ds1	Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an		ш.	
Ds2	DISTURBED AREA STABILIZATION (WIT		Ds2	erosion retarding cover. Establishing a temporary vegetative cover with fast growing seedings on disturbed			
Ds3	DISTURBED AREA		Ds3	areas. Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or			
Ds4	DISTURBED AREA STABILIZATION	->>e BP	Ds4	legumes on disturbed areas. A permanent vegetative cover using sods on highly erodable or critically eroded lands.			
Du	UUST CONTROL ON		Du	Controlling surface and air movement of dust on construction site, roadways and			
	DISTURBED AREAS	N		dust on construction site, roadways and similar sites.			

he use of readily available native plan

materials to maintain and enhance streambanks, or to prevent, or restore and

repair small streambank erosion problems

A protective covering used to prevent erosic and establish temporary or permanent vegetation on steep slopes, shore lines, or

ubstance used to anchor straw or hay

mulch by causing the organic material to

GaSWCC (Amended - 2013)

solids/liquid separation of suspended

particles in solution.

ind together.

Co Contraction

The top

G ANN

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FLOCCULANTS A COAGULANTS

TACKIFIERS A BINDERS

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PROJECT: 24170042.000

DATE: JANUARY 2025

SHEET 13 OF 16

SITE DESCRIPTION

PROJECT TYPE: <u>REMEDIATION TO EXISTING EARTHEN DAM</u> PROJECT DESCRIPTION: THE PROJECT INVOLVES THE REHABILITATION AND MODIFICATIONS TO AN EXISTING EARTHEN EMBANKMENT DAM AND ASSOCIATED SPILLWAY OUTLET WORKS. THE REHABILITATION/MODIFICATION MEASURES INCLUDE REMOVAL OF TREES AND OTHER INAPPROPRIATE VEGETATION FROM THE EMBANKMENT SLOPES, REGRADING THE EMBANKMENT TO INCLUDE FLATTENING THE DOWNSTREAM SLOPE, CONSTRUCTION OF AN EARTHEN AUXILIARY SPILLWAY CHANNEL, EXTENDING THE PRINCIPAL SPILLWAY OUTLET, CONSTRUCTION OF A REINFORCED-CONCRETE HEADWALL, AND INSTALLING A RIPRAP LINED SCOUR APRON. ALL DISTURBED AREAS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

See timeline below for intended sequence of major activities which disturb soils for major portions of the site.

PROJECT AREA: 2.0 AC

DISTURBED AREA: 2.0 AC

SCS CURVE NUMBER (PRE-CONSTRUCTION): 64

SCS CURVE NUMBER (POST-CONSTRUCTION): 64

STREAM BUFFERS & WETLANDS

STATE WATERS LOCATED ON OR WITHIN 200 FEET OF THIS SITE HAVE BEEN DELINEATED. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25-FOOT OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

WE ARE OF THE OPINION THAT WETLANDS ARE PRESENT WITHIN 200 FEET OF THE PROJECT SITE. CONSTRUCTION PLANS HAVE BEEN DESIGNED FOR ENCROACHMENT INTO WETLANDS. TOTAL WETLANDS IMPACTS: 631 SQ. FT. (0.014 ACRE)

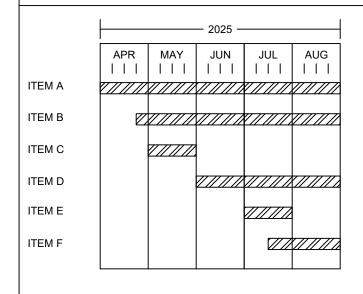
UPSTREAM BUFFER DISTURBANCE: 14,264.3 SQ. FT. (0.34 ACRE); 636 L.F.

DOWNSTREAM BUFFER DISTURBANCE: 3,749.7 SQ. FT. (0.09 ACRE); 75 L.F.

TOTAL BUFFER DISTURBANCE: 18,014.0 SQ. FT. (0.43 ACRE); 711 L.F.

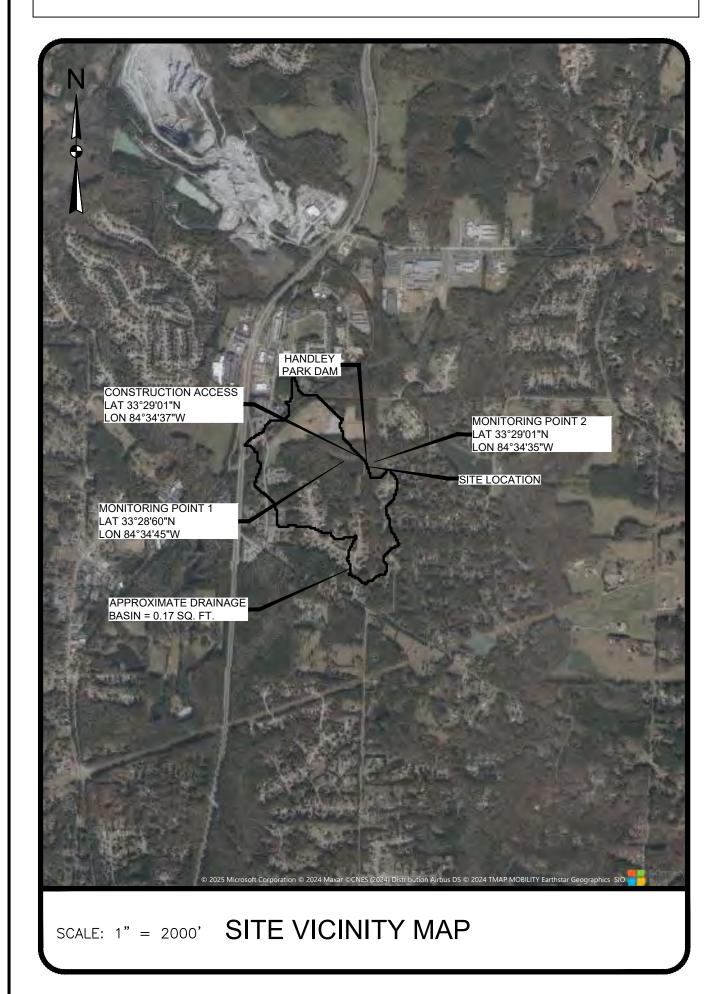
STREAM DISTURBANCE: 375 SQ. FT.

CONSTRUCTION SCHEDULE



SCOPE ITEMS

- A. INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES.
- IMPLEMENT AND MAINTAIN CONTROL OF WATER MEASURES DURING CONSTRUCTION ACTIVITIES.
- C. CLEAR AND GRUB PROJECT AREA. REGRADE EMBANKMENT AND CONSTRUCT D.
- AUXILIARY SPILLWAY CHANNEL. EXCAVATE FOR AND CONSTRUCT PROPOSED
- PRINCIPAL SPILLWAY OUTLET AND SCOUR APRON. VEGETATE ALL AREAS AS REQUIRED DURING CONSTRUCTION OF THE PROJECT AS REQUIRED BY THE SEDIMENT AND EROSION CONTROL PLAN.



EROSION CONTROL PROGRAM - CLEARING WILL BE KEPT TO A MINIMUM. VEGETATION AND/OR MULCH WILL BE APPLIED TO APPLICABLE AREAS IMMEDIATELY AFTER GRADING IS COMPLETED. SILT FENCES AND RIP-RAP WILL BE EMPLOYED TO PREVENT EROSION IN AREAS OF CONCENTRATED WATER FLOWS.

SEDIMENT CONTROL PLAN - ALL DISTURBED AREAS ARE TO BE VEGETATED. SEDIMENT CONTROL WILL BE ACCOMPLISHED BY THE VEGETATING OF ALL DISTURBED AREAS AND THE INSTALLATION OF SILT FENCES.

TANDARDS & SPECIFICATIONS - ALL DESIGNS AND ALL WORK WILL BE DONE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE PUBLICATION ENTITLED "MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA".

MAINTENANCE PROGRAM - ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND ANY DEFICIENCIES NOTED WILL BE CORRECTED BY THE END OF EACH DAY. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION. CLEANOUT OF SEDIMENT BARRIERS WILL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS AND DISPOSED OF BY SPREADING ON SITE. SEDIMENT BARRIERS WILL REMAIN UNTIL DISTURBED AREAS ARE STABILIZED. SEDIMENT FENCES AND BARRIERS WILL THEN BE REMOVED AND SURROUNDING AREAS VEGETATED. GUIDELINES FOR THE MAINTENANCE OF THE ESTABLISHED VEGETATED AREAS ARE TO BE PROVIDED TO THE OWNER WHEN DISTURBED AREAS ARE STABILIZED.

PRE-CONSTRUCTION MEETING - A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED, TO INCLUDE TOWN OF TYRONE STAFF, PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. PLEASE CALL <u>770-487-4038</u> TO COORDINATE SCHEDULING WITH TOWN OF TYRONE STAFF.



GEORGIA 81 CALL BEFORE YOU DIG DIAL 811 OR CALL 1-800-282-7412 UTILITIES PROTECTION CENTER IT'S THE LAW

NOTE: CONTRACTOR MUST COORDINATE WORK WITH UTILITY PROVIDERS TO MAINTAIN UTILITY SERVICE AND A SAFE WORK SITE.

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR100001

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 CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

Of G	
IGNATURE	

J. TYLER COATS, P.E. GEORGIA PROFESSIONAL ENGINEERING LICENSE NO. 35603 GSWCC LEVEL II CERTIFICATION NO. 0000020669

"I CERTIFY THAT AN INSPECTION OF THE INSTALLATION OF BEST MANAGEMENT PRACTICES, AS SHOWN ON THE PLANS, WILL BE MADE WITHIN 7 DAYS AFTER INITIAL CONSTRUCTION ACTIVITIES BEGIN." Oh Gh 01-31-2025 FNGINEE

GENERAL NOTES

WASTE MATERIALS SHALL NOT BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED

CONSTRUCTION PERIOD	IE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE : RS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).	ALL SANITARY L WATER DISCHAI OR SPECIALLY E STORM WATER
	UNDWATER (FROM DEWATERING EXCAVATION IF ANY).	GRADING PHASI
INVENTORY FOR POLLUT		PRODUCT SPEC
	STANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ON SITE DURING CONSTRUCTION:	PETROLEUM BA
CEMENT DETERGENTS PAINTS CONCRETE TAR FERTILIZER	PETROLEUM BASED PRODUCTS WOOD MASONRY BLOCKS CLEANING SOLVENTS	INSPECTED DAIL REGULAR PREV AWAY FROM ST TANKS SHALL H OILS, FUELS, AN CONTAINER ANI
SPILL PREVENTION:		PAINTS/FINISHE USE. EXCESS P
THE FOLLOWING ARE TH	E MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR	MATERIAL USED MANUFACTURE
OTHER ACCIDENTAL EXF	POSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.	CONCRETE TRU CONCRETE OR I
	HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.	FERITLIZER/HEF
	MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.	SPECIFICATIONS EROSION AND S
	RED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS NDER ROOF OR OTHER ENCLOSURE.	CONTAINERS. BUILDING MATE
PRODUCTS WILL BE F	KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.	SUCH MATERIAL
POSSIBLE, ALL OF A F	OT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER. WHENEVER PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER. MANUFACTURER'S	SPILL CLEANUP
	FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED. THE SITE SUPERINTENDENT WILL INSPECT OPER USE AND DISPOSAL OF MATERIALS ONSITE.	LOCAL, STATE A PERSONNEL.
	ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS:	MATERIAL AND MATERIALS ANE LITTER, SAND, S
ORIGINAL LABELS A	E KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE. AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT JCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS	SPILL PREVENT PREVENT FUTU
FOR PROPER DISPO	DSAL WILL BE FOLLOWED.	ALL SPILLS WILI LOCAL, STATE, /
	CT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:	FOR SPILLS THA (NRC) WILL BE C
MAINTENANCE TO REDU	CE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED E CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO	FOR SPILLS OF
	RS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE	FOR SPILLS GRI WITHIN 24 HOUF
STORAGE WILL BE IN A C	APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. COVERED SHED. THE CONTENT OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE ALABLE PLASTIC BIN TO AVOID SPILLS.	FOR SPILLS LES 24 HOURS.
NOT BE DISCHARGED INT	RS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO RUCTIONS OR STATE AND LOCAL REGULATIONS.	THE CONTRACT OF PETROLEUM HAS A CAPACIT
	INCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR TSIDE OF DESIGNATED AREA AS SHOWN ON THE PLANS.	COUNTERMEAS
	DD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS I, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:	
	DMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL E PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.	
EQUIPMENT AND MATER	IENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. IALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, , SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS	
ALL SPILLS WILL BE CLEA	ANED UP IMMEDIATELY AFTER DISCOVERY.	
	EXEPT WELL VENTILATED, AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO CONTACT WITH HAZARDOUS SUBSTANCES.	
SPILLS OF TOXIC OR HAZ AGENCY, REGARDLESS (ZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT OF THE SIZE.	
THE SPILL PREVENTION REOCCURRING AND HOV	PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM V TO CLEANUP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT	
THE SITE SUPERINTEND	EANUP MEASURES WILL ALSO BE INCLUDED. ENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS WILL BE THE SPILL PREVENTION AND R. HE WILL DESIGNATE AT LEAST THREE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL NUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE	

WASTE MATERIALS:

ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY, AND TRASH BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE WILL BE BURIED ON-SITE.

ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED ON THE JOBSITE, AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTES:

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOBSITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL DATA SAFETY SHEETS (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOBSITE WILL BE OBTAINED AND USED FOR PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED, AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ESPCP FILE AT THE JOBSITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

SANITARY WASTES:

A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.



CERTIFICATIONS

01-31-2025

DATE

WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS IED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO RGES. THE LOCATIONS OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE INTERMEDIATE SION AND SEDIMENT CONTROL PLAN (SHEET 2) BY THE CONTRACTOR ONCE THE LOCATION HAS

RACTICES:

CODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TARS WILL BE R LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLES AND MACHINERY DAILY INSPECTIONS AND VE MAINTENANCE OF SUCH EQUIPMENT, EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED TER, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF RICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE OSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

/ENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN CT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, THESE PRODUCTS, AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO ECIFICATION AND RECOMMENDATIONS.

SHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS WASH WATER OUTSIDE OF DESIGNATED AREA AS SHOWN ON THE PLANS.

ES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S BOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR INT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED

- NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL BE DISPOSED OF BY PROPER WASTE DISPOSAL PROCEDURES.

ONTROL PRACTICES

NUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE MADE AVAILABLE TO SITE

MENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL PMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GOGGLES, CAT JST, AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.

ACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO

EANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY EDERAL REGULATIONS.

ACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER TED WITH 24 HOURS AT 1-800-426-2675.

KNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS. HAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED

25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN

ALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS DRED ON-SITE. (THIS INCLUDES CAPACITIES OF EQUIPMENT), OR IF ANY ONE PIECE OF EQUIPMENT 60 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

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)								DATE		
								DESCRIPTION		
							<u>s</u>	s REV.		
	CHECKED BY:	JTC		.∟.			DATE: 01-31-2025	EK NU. PEU336U		
	DRAWN BY:	KAB			Ņ	(GEORGIA PROFESSIONAL ENGINEER NO. PEU3003 GSWCC LEVEL II CERTIFICATION NO. 0000020669		
	DESIGNED BY:	MCG	ו דעו בם	- -		1		GSWCC LEV		
	No. 35603 PROFESSIONAL PROFESSIONAL OI-31-2005									
			6445 Shiloh Road, Suite A / Alpharetta, GA 30005 /	Phone: 770-781-8008 / Fax: 770-781-8003 /						
	HANDLEY PARK LAKE DAM TOWN OF TYRONE FAYETTE COUNTY, GEORGIA				ES&PC PLAN - NOTES (1 OF 2)					
	F				417	0042	2.00	0		
	DATE: JANUARY 2025 SHEET 14 OF 16									

24-HOUR EROSION CONTROL CONTAC SCOTT LANGFORD TOWN OF TYRONE PHONE: (770) 487-4038

NOI INFORMATION

COVERAGE DESIRED:	GAR100001 - STAND ALONE
I. <u>SITE/OWNER/OPERATOR INF</u>	ORMATION
GPS LOCATION OF CONSTRUCTION EXIT: LATIT	UDE 33°28'58"N LONGITUDE 84°34'38"W
II. <u>SITE/OWNER/OPERATOR INF</u>	ORMATION
CONSTRUCTION START DATE:	APRIL 2025
COMPLETION DATE:	AUGUST 2025
ESTIMATED DISTURBED ACREAGE	2.0 AC
III. RECEIVING WATER INFORMA	ATION
INITIAL RECEIVING WATER(S):	UN-NAMED TRIBUTARY TO FLAT CREEK
	_ TROUT STREAM X WARM WATER FISHERIES STREAM
RECEIVING WATER(S):	FLAT CREEK
	_ TROUT STREAM X WARM WATER FISHERIES STREAM
X SAMPLING OF STREAM(S)	_ TROUT STREAM _ WARM WATER FISHERIES STREAM
SAMPLING OF OUTFALL(S)	_ TROUT STREAM _ WARM WATER FISHERIES STREAM
NUMBER OF SAMPLING OUTFALLS	CONSTRUCTION SITE SIZE (AC): <u>2.0</u> AC.
APPENDIX B NTU VALUE: <u>N/A</u>	SURFACE WATER DRAINAGE AREA (SQ. MI.): <u>0.17</u> SQ. MI.

APPENDIX B RATIONALE

APPENDIX B RATIONALE NOT APPLICABLE FOR RECEIVING STREAM SAMPLING. ONLY ≤25 NTU ALLOWED BETWEEN OUTFALL MONITORING POINTS FOR WARM WATER.

VEGETATIVE PLAN

ALL BARE AREAS RESULTING FROM CONSTRUCTION OPERATIONS WILL BE ESTABLISHED TO PERENNIAL VEGETATION AS SOON AS POSSIBLE AFTER FINAL GRADING IS COMPLETE.

A. INITIAL TREATMENT

SEEDBED PREPARATION - PREPARE SEEDBED TO A DEPTH OF AT LEAST 4 INCHES ON ALL AREAS WHERE A GOOD SEEDBED IS NOT PRESENT. REMOVE ROCKS, ROOTS, OR OTHER OBJECTS THAT WILL INTERFERE WITH VEGETATION ESTABLISHMENT OR MAINTENANCE OPERATIONS.

FERTILIZER - APPLY AGRICULTURAL LIME AT THE RATE OF 4,000 POUNDS PER ACRE. APPLY 1,500 POUNDS 6-12-12 ANALYSIS FERTILIZER (OR EQUIVALENT) PER ACRE, UNLESS SOIL SAMPLES INDICATE DIFFERENTLY. SPREAD LIME AND FERTILIZER UNIFORMLY OVER ALL AREAS IMMEDIATELY BEFORE FINAL LAND PREPARATION AND MIX THOROUGHLY WITH THE SOIL. APPLY TOP DRESSING OF 75 POUNDS PER ACRE OF AMMONIUM NITRATE (OR EQUIVALENT) WHEN PLANTS ARE 2 TO 4 INCHES TALL.

SEEDING - ALL GRASS WILL BE SEEDED OR SODDED WITH THE FOLLOWING. ALL SEEDING RATES BELOW REPRESENT PURE, LIVE, UNCOATED SEED

DS3 - PERMANENT GRASSING	LBS./AC.	SEEDING DATES
BERMUDA, COMMON (UN-HULLED) BERMUDA, COMMON (HULLED) FESCUE, TALL (ALONE)	195.0 65.0 50.0	OCT. 1 TO FEB. 28 MAR. 1 TO JUL. 1 AUG. 1 TO OCT. 31 MAR. 1 TO APR. 30
DS2 - TEMPORARY GRASSING		
MILLET, PEARL WHEAT (ALONE) RYEGRASS, ANNUAL (ALONE)	50.0 180.0 40.0	APR. 15 TO AUG. 31 OCT. 1 TO DEC. 31 AUG. 1 TO APR. 15

PERMANENT GRASSING SHALL BE SEEDED ONLY DURING THE DATES INDICATED. TEMPORARY GRASSING IS TO BE SEEDED DURING OTHER DATES OF THE YEAR. CONTRACTOR SHOULD ANTICIPATE SEEDING TEMPORARY GRASS AT THE COMPLETION OF LAND DISTURBING ACTIVITIES AND RETURNING LATER (POTENTIALLY AFTER DEMOBILIZATION HAS OCCURRED) TO SEED PERMANENT GRASS, JE TEMPORARY GRASS IS SEEDED FIRST, THE TEMPORARY GRASS SHALL BE STRIPPED, THE SEED BED SHALL BE PREPARED, AND THE GROUND SHALL BE FERTILIZED PRIOR TO SEEDING PERMANENT GRASS

SOIL ANALYSES SHALL BE PERFORMED TO EVALUATE PERCENTAGE OF NITROGEN, PHOSPHORUS, POTASH, SOLUBLE SALT CONTENT, ORGANIC MATTER CONTENT, AND bH VALUE, SOIL TESTS AT 6-INCH AND 12-INCH DEPTHS SHALL BE PERFORMED ON THE COMPLETED EMBANKMENT AND AUXILIARY SPILLWAY. SIX LOCATIONS SHALL BE TESTED ON BOTH THE EMBANKMENT AND AUXILIARY SPILLWAY. AREAS INDICATING POOR SOIL NUTRIENTS AND/OR pH SHALL BE AMENDED APPROPRIATELY TO THE FULL 12-INCH DEPTH.

*NOTE: RYEGRASS SHALL NOT BE USED IN ANY SEEDING MIXTURES CONTAINING PERENNIAL SPECIES DUE TO ITS ABILITY TO OUT-COMPETE DESIRED SPECIES CHOSEN FOR PERMANENT PERENNIAL COVER.

THE ENGINEER MAY ADJUST THE SEEDING DATES THIRTY (30) DAYS, EARLIER OR LATER, TO BETTER MEET SITE NEEDS AND COMPENSATE FOR VARIATIONS IN LOCAL CLIMATIC CONDITIONS.

ALL SEED WILL BE DISTRIBUTED UNIFORMLY OVER THE AREA.

FIRM SEEDED OR SODDED AREAS WITH CULTIPACKER OR ROLLER IMMEDIATELY FOLLOWING PLANTING.

MULCHING - ALL SEEDED AREAS STEEPER THAN 2 PERCENT WILL BE MULCHED IMMEDIATELY AFTER SEEDING BY SPREADING UNIFORMLY DRY STRAW OR HAY, FREE OF COMPETING WEEDS, AT THE RATE OF ABOUT 2 1 TONS PER ACRE AND TO COVER APPROXIMATELY 75 PERCENT OF THE GROUND SURFACE. WHEN FEASIBLE, ANCHOR MULCH WITH A PACKER OR DISC HARROW WITH BLADES SET STRAIGHT OR WITH EMULSIFIED ASPHALT (GRADE AE5 OR SS1) AT A RATE OF 100 GALLONS EMULSION MIXED WITH 100 GALLONS WATER FOR EACH TON OF MULCH.

B. MANAGEMENT

APPLY ANNUAL APPLICATION OF 400 POUNDS OF 10-10-10 ANALYSIS FERTILIZER PER ACRE AND TOPDRESS WITH 30 POUNDS OF AMMONIUM NITRATE PER ACRE. APPLY AGRICULTURAL LIMESTONE AT THE RATE OF 1 TON PER ACRE EVERY 4 TO 6 YEARS.

REQUIRED STATEMENTS

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.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING

ALL GRADED SLOPES 3:1 OR GREATER MUST BE HYDROSEEDED AND COVERED WITH GEORGIA DOT APPROVED WOOD FIBER MATTING OR COCONUT FIBER MATTING. IF NOT HYDROSEEDED, GEORGIA DOT APPROVED MATTING THAT HAS BEEN INCORPORATED WITH SEED AND FERTILIZER MUST BE USED. ALL SLOPES MUST BE PROPERLY PROTECTED UNTIL A PERMANENT VEGETATIVE STAND IS ESTABLISHED.

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.

MAINTENANCE

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 AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

INSPECTIONS

A. PERMITTEE REQUIREMENTS.

(1). EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT AND (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

(2). MEASURE AND RECORD RAINFALL WITHIN DISCTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABILIZATION ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY. THE DATA COLLECTED FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.

(3), CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS: (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE; (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; AND (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. CERTIFIED PERSONNEL SHALL ALSO CONDUCT INSPECTIONS WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICH OCCURS FIRST). POST-RAIN INSPECTION WILL RESET THE 7-DAY INSPECTION FREQUENCY REQUIREMENT. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE. THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(4). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

(4), CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION HAS BEEN SUBMITTED) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF OR THE POTENTIAL FOR. POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).

(4). BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.

(5). A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE, OR FINAL), MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(5). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION SITE THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS. THE INSPECTION REPORTS SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2 OF THIS PERMIT.

SAMPLING REQUIREMENTS

THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THE FOLLOWING PROCEDURES CONSTITUTE EPD'S GUIDELINES FOR SAMPLING TURBIDITY

A. SAMPLING REQUIREMENTS SHALL INCLUDE THE FOLLOWING: (1) A USGS TOPOGRAPHIC MAP, A TOPOGRAPHIC MAP OR A DRAWING (REFERRED TO AS A TOPOGRAPHIC MAP) THAT IS A SCALE FOLIAL TO OR MORE DETAILED THAN A 1/24000 MAP SHOWING THE LOCATION OF THE SITE OR THE STAND ALONE CONSTRUCTION; (A) THE LOCATION OF ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES AS SHOWN ON A USGS TOPOGRAPHIC MAP, AND ALL OTHER PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES LOCATED DURING MANDATORY FIELD VERIFICATION, INTO WHICH THE STORMWATER IS DISCHARGED AND (B) THE RECEIVING WATER AND/OR OUTFALL SAMPLING LOCATIONS WHEN THE PERMITTEE HAS CHOSEN TO USE A USGS TOPOGRAPHIC MAP AND THE RECEIVING WATER(S) IS NOT SHOWN ON THE USGS TOPOGRAPHIC MAP. THE LOCATION OF THE RECEIVING WATER(S) MUST BE HAND-DRAWN ON THE USGS TOPOGRAPHIC MAP FROM WHERE THE STORMWATER(S) ENTERS THE RECEIVING WATER(S) TO THE POINT WHERE THE RECEIVING WATER(S) COMBINES WITH THE FIRST BLUE LINE STREAM SHOWN ON THE USGS TOPOGRAPHIC MAP (2). A WRITTEN NARRATIVE OF SITE SPECIFIC ANALYTICAL METHODS USED TO COLLECT, HANDLE AND ANALYZE THE SAMPLES INCLUDING QUALITY CONTROL/QUALITY ASSURANCE PROCEDURES. THIS NARRATIVE MUST INCLUDE PRECISE SAMPLING METHODOLOGY FOR EACH SAMPLING LOCATION; (3). WHEN THE PERMITTEE HAS DETERMINED THAT SOME OR ALL OUTFALLS WILL BE SAMPLED, A RATIONALE MUST BE INCLUDED ON THE PLAN FOR THE NTU LIMIT(S) SELECTED FROM APPENDIX B. THIS RATIONALE MUST INCLUDE THE SIZE OF THE CONSTRUCTION SITE, THE CALCULATION OF THE SIZE OF THE SURFACE WATER DRAINAGE AREA, AND THE TYPE OF RECEIVING WATER(S) (I.E., TROUT STREAM OR SUPPORTING WARM WATER FISHERIES); AND (4), ANY ADDITIONAL INFORMATION EPD DETERMINES NECESSARY TO BE PART OF THE PLAN. EPD WILL PROVIDE WRITTEN NOTICE TO THE PERMITTEE OF THE INFORMATION NECESSARY AND THE TIMELINE FOR SUBMITTAL

B. SAMPLE TYPE.

ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD. (1). SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES. (2). SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER. (3). LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION. (4). MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION. UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE QUALIFYING EVENT, THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT OUAL FYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED. (5). SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E.

C. SAMPLING POINTS.

(1). FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLING POINTS SHALL BE LOCATED ON APPLICABLE PAGES OF THE INITIAL, INTERMEDIATE, AND FINAL PHASE OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS. SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORM WATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES: (A). THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E. THE DISCHARGE FARTHES) UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE

(B). THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORMWATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.

(C). IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORMWATER OUTFALL CHANNEL(S). (D). CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL

(E). THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM. (F). THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.

SAMPLING REQUIREMENTS (CONT'D)

(G). PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION. STABILIZED SHALL MEAN. FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR LANDSCAPED ACCORDING TO THE PLAN (UNIFORMLY COVERED WITH LANDSCAPING MATERIALS IN PLANNED LANDSCAPED AREAS), OR EQUIVALENT PERMANENT STABILIZATION MEASURES AS DEFINED IN THE MANUAL (EXCLUDING A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION).

(H). ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS LOCATIONS TIMING AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORMWATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.4. OR III.D.5., WHICHEVER IS APPLICABLE

D. SAMPLING FREQUENCY

(1). THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORMWATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN IN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE (2). HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE

BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORMWATER DISCHARGE. (3). SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS:

(A) FOR FACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL. THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION:

(B). IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST;

(C). AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED. OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED INSTALLED AND MAINTAINED;

(D). WHERE SAMPLING PURSUANT TO (A), (B), OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE). THE PERMITTEE. IN ACCORDANCE WITH PART IV.D.4.a (6)., MUST INCLUDE WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTICIATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATION UNDER (A), (B), OR (C) ABOVE; AND (E). EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.

*NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

REPORTING

1 THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORMWATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2. SAMPLING REPORTS MUST BE SUBMITTED TO EPD USING THE ELECTRONIC SUBMITTAL SERVICE PROVIDED BY EPD. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

- 2. ALL MONITORING RESULTS SHALL INCLUDE THE FOLLOWING INFORMATION:
- a. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS b. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS; c. THE DATE(S) ANALYSES WERE PERFORMED:
- d THE TIME(S) ANALYSES WERE INITIATED
- e. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES;
- f. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED: g. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS.
- h. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU." AND i. CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN.
- 3. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE EPD DISTRICT OFFICE OR DELIVERY RECEIPT EMAIL TO THE APPROPRIATE EPD DISTRICT OFFICE RESOURCE MAILBOX ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

RETENTION OF RECORDS

1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:

A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;

- B. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT
- C. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT;
- D. A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
- E. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT
- F. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D. OF THIS PERMIT: AND
- G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(2) OF THIS PERMIT.

2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION) OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE

DUST CONTROL MEASURES

(1.5 FEET) X (3 FEET) X (2,690 FEET) = 12,105 CU. FT. = 448 CY

THE FOLLOWING STORM WATER MANAGEMENT CONTROLS WILL BE INSTALLED DURING THE CONSTRUCTION TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED:

THE DISTURBED AREAS ON THE EMBANKMENT AND AUXILIARY SPILLWAY CHANNEL WILL BE STABILIZED USING PERMANENT VEGETATION

EVERY WATERBODY IN THE STATE OF GEORGIA HAS ONE OR MORE DESIGNATED USES. EXAMPLES OF DESIGNATED USES ARE "FISHING", "RECREATION" AND "DRINKING WATER". THE STATE HAS ALSO ADOPTED WATER QUALITY CRITERIA TO PROTECT THESE USES. FOR INSTANCE, THE STATE HAS DETERMINED THAT FOR A WATER TO SUPPORT ITS USE OF FISHING, IT MUST HAVE A DAILY AVERAGE DISSOLVED OXYGEN CONCENTRATION OF AT LEAST 5.0 MG/L AND A MINIMUM OF 4.0 MG/L. SOME OTHER EXAMPLES OF PARAMETERS THAT HAVE WATER QUALITY CRITERIA ARE PH, FECAL COLIFORM BACTERIA, TEMPERATURE, METALS AND CERTAIN ORGANIC POLLUTANTS. GEORGIA'S DESIGNATED USES AND WATER QUALITY CRITERIA CAN BE FOUND IN CHAPTER 391-3-6-.03 OF THE RULES AND REGULATIONS FOR WATER QUALITY CONTROL.

GA EPD DETERMINES WHETHER A WATERBODY IS SUPPORTING ITS DESIGNATED USES BY COLLECTING WATER QUALITY DATA AND COMPARING THIS DATA AGAINST THE WATER QUALITY CRITERIA. IT IS THE GOAL OF THE STATE OF GEORGIA THAT ALL OF ITS WATERS SUPPORT THEIR DESIGNATED USES. IF IT IS DETERMINED THAT A WATER IS NOT SUPPORTING ITS DESIGNATED USE, THEN GA EPD WILL TYPICALLY DEVELOP A TOTAL MAXIMUM DAILY LOAD (TMDL) AS THE START OF THE PROCESS OF RESTORING THE WATER. A TMDL DETERMINES HOW MUCH OF A PARTICULAR POLLUTANT A WATERBODY CAN CONTAIN AND STILL SUPPORT ITS DESIGNATED USE. THE TMDL WILL STATE HOW MUCH THE POLLUTANT LOAD TO THE WATER NEEDS TO BE REDUCED IN ORDER FOR THE WATER TO SUPPORT ITS DESIGNATED USE.

SECTION 305(B) OF THE CLEAN WATER ACT REQUIRES STATES TO ASSESS AND DESCRIBE THE QUALITY OF ITS WATERS EVERY TWO YEARS IN A REPORT CALLED THE 305(B) REPORT. SECTION 303(D) OF THE CLEAN WATER ACT REQUIRES STATES TO SUBMIT A LIST OF ALL OF THE WATERS THAT ARE NOT MEETING THEIR DESIGNATED USES AND THAT NEED TO HAVE A TMDL(S) WRITTEN FOR THEM. THE 303(D) LIST IS ALSO TO BE SUBMITTED EVERY TWO YEARS. GEORGIA SUBMITS A COMBINED 305(B)/303(D) REPORT. THIS COMBINED REPORT IS CALLED AN INTEGRATED REPORT AND HAS TYPICALLY BEEN ENTITLED THE "WATER QUALITY IN GEORGIA" REPORT, ONE SECTION OF THE INTEGRATED REPORT IS THE 305(B)/303(D) LIST OF WATERS. THIS IS A LIST OF ALL OF THE WATERS THAT THE STATE HAS ASSESSED. THIS LIST OF WATERS IS DEVELOPED AS DESCRIBED BELOW.

EVERY TWO YEARS GA EPD GATHERS DATA THAT HAS BEEN COLLECTED ACROSS THE STATE. THIS DATA COMES FROM A NUMBER OF SOURCES INCLUDING GA EPD, OTHER STATE AGENCIES (SUCH AS THE WILDLIFE RESOURCES DIVISION AND THE COASTAL RESOURCES DIVISION), FEDERAL AGENCIES (SUCH AS THE US GEOLOGICAL SURVEY), AND LOCAL GOVERNMENTS AND ENVIRONMENTAL GROUPS. THE WATER QUALITY DATA ARE COMPARED TO THE STATE'S WATER QUALITY CRITERIA USING GA EPD'S LISTING ASSESSMENT METHODOLOGY. BASED ON THE COMPARISON OF THE DATA TO THE WATER QUALITY CRITERIA, GA EPD PLACES EACH WATER INTO ONE OF THREE BROAD GROUPS. WATERS ARE ASSESSED AS 1) SUPPORTING THEIR DESIGNATED USE; 2) NOT SUPPORTING THEIR DESIGNATED USE; OR 3) ASSESSMENT PENDING

IN ADDITION TO THE THREE BROAD GROUPINGS DESCRIBED ABOVE, GA EPD ADOPTED A FIVE-PART CATEGORIZATION OF ITS WATERS AT THE REQUEST OF U.S. EPA IN 2008. EACH OF THE FIVE CATEGORIES CORRESPONDS TO ONE OF THE THREE GROUPS (SUPPORTING, NOT SUPPORTING, OR ASSESSMENT PENDING) AS DESCRIBED BELOW.

CATEGORY 1 - DATA INDICATE THAT WATERS ARE SUPPORTING THEIR DESIGNATED USE(S) CATEGORY 2 - A WATER HAS MORE THAN ONE DESIGNATED USE AND DATA INDICATE THAT AT LEAST ONE DESIGNATED USE IS BEING SUPPORTED, BUT THERE IS INSUFFICIENT EVIDENCE TO DETERMINE THAT ALL USES ARE BEING SUPPORTED CATEGORY 3 - THERE IS INSUFFICIENT DATA OR OTHER INFORMATION TO MAKE A DETERMINATION AS TO WHETHER OR NOT THE DESIGNATED USE(S) IS BEING SUPPORTED CATEGORY 4A - DATA INDICATE THAT AT LEAST ONE DESIGNATED USE IS NOT BEING SUPPORTED, BUT TMDL(S) HAVE BEEN COMPLETED FOR THE PARAMETER(S) THAT ARE CAUSING A WATER NOT TO MEET ITS USE(S) CATEGORY 4B -DATA INDICATE THAT AT LEAST ONE DESIGNATED USE IS NOT BEING SUPPORTED, BUT THERE ARE ACTIONS IN PLACE (OTHER THAN A TMDL) THAT ARE PREDICTED TO LEAD TO COMPLIANCE WITH WATER QUALITY STANDARDS CATEGORY 4C -DATA INDICATE THAT AT LEAST ONE DESIGNATED USE IS NOT BEING SUPPORTED, BUT THE IMPAIRMENT IS NOT CAUSED BY A POLLUTANT CATEGORY 5 -DATA INDICATE THAT AT LEAST ONE DESIGNATED USE IS NOT BEING SUPPORTED AND TMDL(S) NEED TO BE COMPLETED FOR ONE OR MORE POLLUTANTS. WATERS IN CATEGORY 5 MAKE UP THE 303(D) LIST.

STORMWATER FROM HANDLEY LAKE DAM DISCHARGES INTO AN UNNAMED TRIBUTARY AND THEN INTO FLAT CREEK. THE PORTION OF FLAT CREEK, BASED ON THE 2024 INTEGRATED 305(b)/303(d) LIST FROM STREAMS, THIS PORTION OF FLAT CREEK IS NOT LISTED AS AN IMPAIRED STREAM.

OTHER MEASURES

ALL DISTURBED AREAS SHALL RECEIVE MULCHING AS SOON AS PRACTICAL AND NO LATER THAN 14 DAYS AFTER DISTURBANCE HAS TERMINATED. DURING DRY PERIODS, ALL ROADS AND EXPOSED SOIL SURFACES SHALL BE IRRIGATED UNTIL THE SURFACE IS WET.

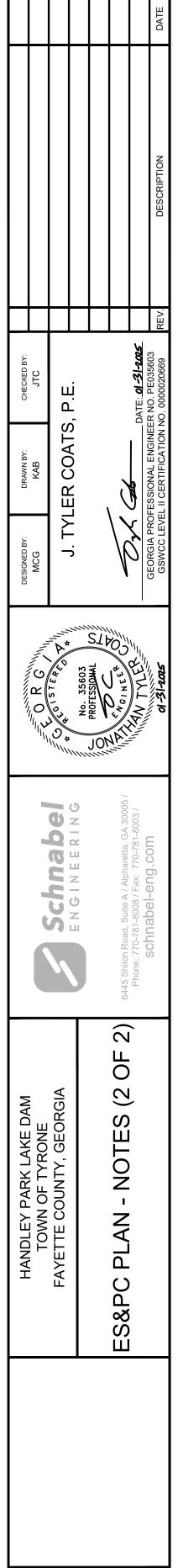
SEDIMENT STORAGE

A TEMPORARY SEDIMENT BASIN IS NOT APPROPRIATE FOR THIS PROJECT. SEDIMENT STORAGE WILL BE ACCOMPLISHED BY MEANS OF DOUBLE ROWS OF TYPE C SILT BARRIER AND A ROCK FILTER DAM. THE INTENT OF THE EROSION AND SEDIMENTATION CONTROL PLAN IS TO CONTROL SEDIMENT RESULTING FROM SHEET FLOW USING A DOUBLE ROW OF TYPE "C" SILT FENCE WITH A MULCH BERM PRESENT BETWEEN BOTH ROWS. THIS MEASURE SHOULD BE OBSERVED DAILY AND MAINTAINED WHEN NECESSARY TO FUNCTION AS INTENDED. REQUIRED VOLUME OF SEDIMENT STORAGE BASED ON AREA OF DISTURBED ACREAGE DRAINED = (2.0 ACRES) X (67 CY/ACRE) = 134 CY

FOR SEDIMENT STORAGE CALCULATION PROVIDED BY TYPE "C" SILT FENCE, ASSUME A BARRIER HEIGHT OF 3 FEET. PER MAINTENANCE RECOMMENDATIONS FROM "FIELD MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". SEDIMENT SHOULD BE REMOVED FROM BARRIER WHEN ONE-HALF FULL. FOR VOLUME CALCULATION, USE HEIGHT = 1.5 FEET. ASSUME AVERAGE WIDTH = 3 FEET, AND LENGTH = TOTAL LENGTH OF BARRIER ON SITE. TOTAL VOLUME OF SEDIMENT STORAGE PROVIDED BY TYPE "C" SILT FENCE =

STORM WATER MANAGEMENT CONTROLS

305(b)/303(d) WATERS



24-HOUR EROSION CONTROL CONTACT SCOTT LANGFORD TOWN OF TYRONE PHONE: (770) 487-4038

PROJECT: 24170042.000

DATE: JANUARY 2025

SHEET 15 OF 16

		GSWC			ST		
		STAND ALC					
		PROJECT NAME: <u>HANDLEY PARK LAKE DAM REMEDIA</u> CITY/COUNTY: <u>TOWN OF TYRONE, GA</u> NAME & EMAIL OF PERSON FILLING OUT CHECK LIST:	DA	TE ON	S: <u>100 HANDLEY ROAD,</u> PLANS: <u>JANUARY 31, 2</u> COATS, P.E. (tcoats@sch	025	
PLAN INCLUDED PAGE # Y/N	TO BE SHO ES&PC		<u>PLAN</u> <u>INCLUDED</u> <u>PAGE # Y/N</u>				SHOWN ON PC PLAN
16 Y 1	THE APPLICABLE EROSION, SEDIMENTATION AND POLLUT COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH TH COMPLETED CHECKLIST MUST BE SUBMITTED WITH THE E	E LAND-DISTURBING ACTIVITY WAS PERMITTED. (THE	14 Y	29.	FOR THE MAJOR PORTION	IS OF THE SITE (I.E., INITIA	ENDED SEQUENCE OF MAJOR ACT L PERIMETER AND SEDIMENT STO ILITY ACTIVITIES, TEMPORARY AN
10-16 Y 2	PROFESSIONAL. (SIGNATURE, SEAL AND LEVEL II NUMBER	MUST BE ON EACH SHEET PERTAINING TO ES&PC PLAN OR	15 Y				INS AND RECORD KEEPING BY TH
	THE PLAN WILL NOT BE REVIEWED. THE LEVEL II CERTIFIC AFTER COMPLETION OF A GSWCC APPROVED COURSE, AI		15 Y				FREQUENCY AND REPORTING OF ECORDS AS PER PART IV.F. OF TH
<u>14</u> Y 3	FROM THE GAEPD DISTRICT OFFICE. IF GAEPD APPROVES ONE TIME, THE PLAN MUST INCLUDE AT LEAST 4 OF THE B GAEPD APPROVAL LETTER.* (A COPY OF THE WRITTEN AP	MPS LISTED IN APPENDIX 1 OF THIS CHECKLIST AND THE	15 Y		LOCATION.*		D TO COLLECT AND ANALYZE THE
[10-16][Y]4	THE PLAN TO BE REVIEWED.) THE NAME AND PHONE NUMBER OF THE 24-HOUR LOCAL (CONTACT RESPONSIBLE FOR EROSION, SEDIMENTATION	15 Y				UTFALL SAMPLING POINTS WHERE
	AND POLLUTION CONTROLS.				AND OTHER WATER BODI	ES INTO WHICH STORM WA	TER IS DISCHARGED.*
01 Y 5	PROVIDE THE NAME, ADDRESS, EMAIL ADDRESS, AND PHO		09-13 Y	36.	SITE INCLUDING: (1) INITIA	AL SEDIMENT STORAGE RE	MEASURES THAT WILL BE IMPLEMI QUIREMENTS AND PERIMETER CC 3. FOR CONSTRUCTION SITES WHE
14-15 Y 7	PROVIDE THE GPS LOCATION OF THE CONSTRUCTION EXI				GRADING AND THE INITIAL	PERIMETER CONTROL BN	IPS, INTERMEDIATE GRADING AND OF THE BMPS INTO A SINGLE PHA
01 Y 8	DECIMAL DEGREES. INITIAL DATE OF THE PLAN AND THE DATES OF ANY REVIS	ONS MADE TO THE PLAN INCLUDING THE ENTITY WHO	10-12 Y	37.	GRAPHIC SCALE AND NOF	RTH ARROW.	
01,14 Y g	REQUESTED THE REVISIONS.		10-12 Y	38.	EXISTING AND PROPOSED THE FOLLOWING:	O CONTOUR LINES WITH CO	ONTOUR LINES DRAWN AT AN INTE
	 PROVIDE VICINITY MAP SHOWING SITE'S RELATION TO SUP PHASE, IF NECESSARY. 				MAP SCALE 1 INCH = 100FT or LARGER SCALE	GROUND SLOPE FLAT 0 - 2% ROLLING 2 - 8%	CONTOUR INTERVALS, FT 0.5 or 1 1 or 2
15Y1	. IDENTIFY THE PROJECT RECEIVING WATERS AND DESCRIE LAKES, RESIDENTIAL AREAS, WETLANDS, MARSHLANDS, E		N/A N/A	39.	USE OF ALTERNATIVE BMI	STEEP 8%+ PS WHOSE PERFORMANCE	2, 5, or 10 E HAS BEEN DOCUMENTED TO BE
<u>14</u> Y 1	. DESIGN PROFESSIONAL'S CERTIFICATION STATEMENT AN DEVELOPMENT OF THE ES&PC PLAN AS STATED ON PART					R CONSERVATION COMMIS	N PROFESSIONAL (UNLESS DISAP SSION). PLEASE REFER TO THE AI
14 Y 1	DESIGN PROFESSIONAL'S CERTIFICATION STATEMENT AN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE S REQUIREMENTS AS STATED ON PART IV PAGE 19 OF THE F	YSTEM OF BMPS AND SAMPLING TO MEET PERMIT	N/A N/A	40.			E EQUIVALENT BMP LIST. PLEASE IN GEORGIA 2016 EDITION.*
14 Y 1	CLEARLY NOTE THE STATEMENT THAT "THE DESIGN PROF INSPECT AND CERTIFY THE INSTALLATION OF THE INITIAL CONTROL BMPS WITHIN 7 DAYS AFTER INSTALLATION." IN	SEDIMENT STORAGE REQUIREMENTS AND PERIMETER	10-12 Y	41.			OOT UNDISTURBED BUFFERS ADJ L ISSUING AUTHORITY. CLEARLY
14 Y 1	CLEARLY NOTE THE STATEMENT THAT "NON-EXEMPT ACT	VITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25	10-12 Y	42.	DELINEATION OF ON-SITE SITE.	WETLANDS AND ALL STAT	E WATERS LOCATED ON AND WITH
	FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES	D FROM THE JURISDICTIONAL DETERMINATION LINE	09 Y				AINAGE BASINS ON THE PROJECT
10, 14 Y 1	. PROVIDE A DESCRIPTION OF ANY BUFFER ENCROACHMEN REQUIRED.	ITS AND INDICATE WHETHER A BUFFER VARIANCE IS	14 Y	44.	PROVIDE HYDROLOGY ST CONDITIONS.*	UDY AND MAPS OF DRAIN	AGE BASINS FOR BOTH THE PRE- 4
<u>15</u> Y 1	CLEARLY NOTE THE STATEMENT THAT "AMENDMENTS/REV EFFECT ON BMPS WITH A HYDRAULIC COMPONENT MUST		10 Y	45.	CONSTRUCTION ACTIVITIE		AK DISCHARGE FLOW OF THE SITE SOLAR FARM PROJECT, POST-COM NNEL SQUARE FOOTAGE.
<u>14</u> Y 1	CLEARLY NOTE THE STATEMENT THAT "WASTE MATERIALS EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT."*	S SHALL NOT BE DISCHARGED TO WATERS OF THE STATE,	13 Y	46.			PROPRIATE OUTLET PROTECTION
<u>15</u> Y 1	CLEARLY NOTE STATEMENT THAT "THE ESCAPE OF SEDIM INSTALLATION OF EROSION AND SEDIMENT CONTROL MEA		10 Y	47.	SOIL SERIES FOR THE PRO	OJECT SITE AND THEIR DE	LINEATION.
[15] [Y] 2	ACTIVITIES."	ASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL	10-12 Y				CONSTRUCTION. ENT STORAGE PER ACRE DRAINEL
	IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PR EROSION AND SEDIMENT CONTROL MEASURES SHALL BE SEDIMENT SOURCE."	OVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL			SEDIMENT BASIN, RETROP DRAINAGE LOCATION. SE DISTURBANCE ACTIVITIES	FITTED DETENTION POND, DIMENT STORAGE VOLUM SUNTIL FINAL STABILIZATIO	AND/OR EXCAVATED INLET SEDIM E MUST BE IN PLACE PRIOR TO AN IN OF THE SITE HAS BEEN ACHIEV NTROLS WHEN A SEDIMENT BASIN
15 Y 2	. CLEARLY NOTE THE STATEMENT "ANY DISTURBED AREA L SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEED				INCLUDED IN THE PLAN FO WRITTEN JUSTIFICATION	OR EACH COMMON DRAINA AS TO WHY 67 CUBIC YARE	GE LOCATION IN WHICH A SEDIME OS OF STORAGE IS NOT ATTAINAB
<u>15</u> Y 2	SEGMENT MUST COMPLY WITH PART III. C. OF THE PERMIT	ERSHED AS, ANY PORTION OF AN BIOTA IMPAIRED STREAM			THE DESIGN PROFESSION WHEN DISCHARGING FRO OUTLET STRUCTURES TH THAT WITHDRAW WATER	IAL TO OBTAIN THE REQUI M SEDIMENT BASINS AND AT WITHDRAW WATER FRO FROM THE SURFACE ARE I	ED FOR STRUCTURAL BMPS AND . RED SEDIMENT STORAGE WHEN L IMPOUNDMENTS, PERMITTEES AR DM THE SURFACE, UNLESS INFEAS NOT FEASIBLE, A WRITTEN JUSTIF
15 Y 2	3. IF A TMDL IMPLEMENTATION PLAN FOR SEDIMENT HAS BEI (IDENTIFIED IN ITEM 22 ABOVE) AT LEAST SIX MONTHS PRI ADDRESS ANY SITE-SPECIFIC CONDITIONS OR REQUIREM	OR TO SUBMITTAL OF NOI, THE ES&PC PLAN MUST	10-12 Y	50.	MANUAL FOR EROSION AN	GEMENT PRACTICES THAT	ARE CONSISTENT WITH AND NO GEORGIA. USE UNIFORM CODING
13-14 Y 2	BMPS FOR CONCRETE WASHDOWN OF TOOLS, CONCRETE VEHICLES. WASHOUT OF THE DRUM AT THE CONSTRUCTI		13 Y	51.		/INGS FOR ALL STRUCTUR	AL PRACTICES. SPECIFICATIONS
14Y 2	5. PROVIDE BMPS FOR THE REMEDIATION OF ALL PETROLEU	M SPILLS AND LEAKS.	15 Y	52			ON AND SEDIMENT CONTROL IN G
13 Y 2	DESCRIPTION OF THE MEASURES THAT WILL BE INSTALLE POLLUTANTS IN STORM WATER THAT WILL OCCUR AFTER				SPECIES, PLANTING DATE SITE SPECIFIC FOR APPRO	S AND SEEDING, FERTILIZI OPRIATE TIME OF YEAR TH	ER, LIME AND MULCHING RATES. VIAT SEEDING WILL TAKE PLACE AN
14 Y 2	2. DESCRIPTION OF PRACTICES TO PROVIDE COVER FOR BU	ILDING MATERIALS AND BUILDING PRODUCTS ON SITE.*			GEOGRAPHIC REGION OF *IF USING THIS CHECKLIS		LESS THAN 1 ACRE AND NOT PAR
13-14 Y 2	B. DESCRIPTION OF THE PRACTICES THAT WILL BE USED TO	REDUCE THE POLLUTANTS IN STORM WATER					CHECKLIST ITEMS WOULD BE N/A.

OR ACTIVITIES WHICH DISTURB SOILS NT STORAGE BMPS, CLEARING AND RY AND FINAL STABILIZATION).

BY THE PRIMARY PERMITTEE.*

ING OF SAMPLING RESULTS.*

. OF THE PERMIT.*

ZE THE SAMPLES FROM EACH

WHERE APPLICABLE.*

ENNIAL AND INTERMITTENT STREAMS

IPLEMENTED AT THE CONSTRUCTION TER CONTROL BMPS, (2) INTERMEDIATE S WHERE THERE WILL BE NO MASS ING AND DRAINAGE BMPS, AND FINAL LE PHASE.*

AN INTERVAL IN ACCORDANCE WITH

TO BE EQUIVALENT TO OR SUPERIOR DISAPPROVED BY GAEPD OR THE THE ALTERNATIVE BMP GUIDANCE

PLEASE REFER TO APPENDIX A-2 OF

RS ADJACENT TO STATE WATERS AND EARLY NOTE AND DELINEATE ALL

ND WITHIN 200 FEET OF THE PROJECT

OJECT SITE.

PRE- AND POST-DEVELOPED

HE SITE PRIOR TO AND AFTER ST-CONSTRUCTION IMPERVIOUS AREA

CTION TO ACCOMMODATE CHARGE POINTS.

RAINED USING A TEMPORARY SEDIMENT TRAPS FOR EACH COMMON R TO AND DURING ALL LAND CHIEVED. A WRITTEN JUSTIFICATION T BASIN IS NOT ATTAINABLE MUST BE SEDIMENT BASIN IS NOT PROVIDED. A AINABLE MUST ALSO BE GIVEN. S AND ALL CALCULATIONS USED BY VHEN USING EQUIVALENT CONTROLS. EES ARE REQUIRED TO UTILIZE INFEASIBLE. IF OUTLET STRUCTURES JUSTIFICATION EXPLAINING THIS

ND NO LESS STRINGENT THAN THE ODING SYMBOLS FROM THE MANUAL,

TIONS MUST, AT A MINIMUM, MEET THE Rol in Georgia.

TATIVE PRACTICES. INCLUDE ATES VEGETATIVE PLAN SHALL BE ACE AND FOR THE APPROPRIATE

OT PART OF A COMMON DEVELOPMENT BE N/A.

EFFECTIVE JANUARY 1, 2025

CLEARING PHASE NOTES

PRIOR TO LAND DISTURBING ACTIVITY, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA SITE DEVELOPMENT INSPECTOR. THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN

CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES. NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURNING AND BURIAL HOLES SHALL

BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON SITE AT ALL TIMES.

PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, LIMITS OF LAND DISTURBANCE SHALL CLEARLY AND ACCURATELY BE DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS, AND SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE LIMITS INDICATED ON THE APPROVED PLANS.

PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.

THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY:

1. THE CONSTRUCTION EXIT SHALL BE PLACED AS SHOWN ON THE PLANS.

- 2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION EXIT, ALL PERIMETER EROSION CONTROL AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.
- 3. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBING ACTIVITY.

WITHIN SEVEN (7) DAYS AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES, THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL INO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE PROJECT PROFESSIONAL DURING THE SITE INSPECTION.

AFTER APPROVAL OF INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES. AS CLEARING PERMITS, THE CONTRACTOR SHALL CONSTRUCT SEDIMENT PONDS AS SHOWN ON PLANS.

THE CONTRACTOR CAN UTILIZE CLEARED TREES AS BARRIER BRUSH SEDIMENT CONTROL WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.

NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE OWNER AND/OR THE ENGINEER OF RECORD.

ALL SILT FENCES MUST MEET THE REQUIREMENTS OF SECTION 171-TEMPORARY SILT FENCE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, 1983 EDITION.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE. ALL DISTURBED AREAS LEFT MULCHED MORE THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.

SEDIMENT AND EROSION CONTROL MEASURES MUST BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICES IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1"-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM A VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE PROPER FUNCTIONING.

FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ONT HE SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED PLANS.

GRADING PHASE NOTES

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES, AND THEREFORE LIMITED DURATIONS, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED.

EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCES OCCURS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION, AND ALTER THE LOCATION OF EROSION CONTROL DEVICES ACCORDINGLY. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSION IMMEDIATELY.

THE CONTRACTOR SHALL ESTABLISH BARRIERS AT THE TOP OF ALL SLOPES UNDER CONSTRUCTION. CUT AND FILL SLOPES SHALL NOT EXCEED 1H:1V.

ALL DRAINAGE SWALES AND GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED. MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE. ALL DISTURBED AREAS LEFT MULCHED FOR MORE THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE. ALL DISTURBED AREAS LEFT MULCHED FOR MORE THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

SEDIMENT AND EROSION CONTROL MEASURES MUST BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

CONTRACTOR SHALL INSPECT MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1"-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM A VEHICLE ONTO PUBLIC ROAD WAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

FINAL PHASE NOTES

SEDIMENT AND EROSION CONTROL MEASURES SHALL BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

UPON COMPLETION OF THE PROJECT AND RECEIPT OF THE CERTIFICATE OF COMPLETION, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED OTHERWISE ON THE PLANS.

				DATE
THIS PLAN HAS BEEN PREPARED TO MEET THE REQUIREMENTS UNDER THE NATURAL RESOURCES, ENVIRONMENTAL PROTECTION DIVISION (EPD), GEN AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHA STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY F MANAGEMENT PRACTICES AND PERMIT VIOLATIONS (PART III.D)	ESTATE OF GEORGIA, DEPARTMENT OF IERAL PERMIT NO. GAR100001 FOR IRGE ELIMINATION SYSTEM (NPDES),			
 BEST MANAGEMENT PRACTICES ARE REQUIRED FOR ALL CONSTRUCTI ACCORDANCE WITH THE DESIGN SPECIFICATIONS CONTAINED IN THE ' CONTROL IN GEORGIA'' TO PREVENT OR REDUCE THE POLLUTION OF W INSTALLATION, AND MAINTENANCE OF BMP'S SHALL CONSTITUTE A CO DIRECTOR OR TO ANY OTHER ALLEGATION OF NONCOMPLIANCE WITH FAILURE TO PROPERLY DESIGN, INSTALL, OR MAINTAIN BMP'S SHALL C ROUTINE INSPECTIONS SHALL NOT BE CONSIDERED A VIOLATION. IF DI ROUTINE INSPECTIONS BMP FAILURES ARE OBSERVED WHICH HAVE RI WATERS OF THE STATE, THE PERMITTEE SHALL CORRECT THE BMP FA THE VIOLATIONS TO EPD IN ACCORDANCE WITH PART V.A.2 OF THE PEI A DISCHARGE OF STORMWATER RUNOFF FROM DISTURBED AREAS WH DESIGNED, INSTALLED, AND MAINTAINED SHALL CONSTITUTE A SEPAR SUCH DISCHARGE RESULTS IN THE TURBIDITY OF RECEIVING WATER(S) 	"MANUAL FOR EROSION AND SEDIMENT VATERS OF GEORGIA. PROPER DESIGN, MPLETE DEFENSE TO ANY ACTION BY THE PART III.D.3 AND PART III.D.4. ONSTITUTE A VIOLATION OF THE PERMIT. URING THE COURSE OF THE PERMITTEE'S ESULTED IN SEDIMENT DEPOSITION INTO VILURES AND SHALL SUBMIT A SUMMARY OF RMIT. HERE BMP'S HAVE NOT BEEN PROPERLY ATE VIOLATION FOR EACH DAY ON WHICH S) BEING INCREASED BY MORE THAN TEN (10)			DESCRIPTION
NEPHELOMETRIC TURBIDITY UNITS FOR WATERS CLASSIFIED AS TROU NEPHELOMETRIC TURBIDITY UNITS FOR WATERS SUPPORTING WARM V PERMITTEE'S CERTIFICATION UNDER PART II.B.1.j. AND PART II.B.3.j.				REV.
 AUTHORIZED DISCHARGES (PART I.C): ALL DISCHARGES OF STORMWATER ASSOCIATED WITH CONSTRUCTION DISTURBANCE EQUAL TO OR GREATER THAN ONE ACRE. PART I.C.1.a. ALL DISCHARGES COVERED BY THIS PERMIT SHALL BE COMPOSED EN PROVIDED IN PART I.C.2 AND PART III.A.2 OF THE PERMIT. AUTHORIZED MIXED STORM DISCHARGES: PART I.C.2 THE INDUSTRIAL SOURCE OR ACTIVITY OTHER THAN CONSTRUCTION CONSTRUCTION ACTIVITY AND IS AN INTEGRAL PART OF THE CONSTR B. THE STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTI 	TIRELY OF STORMWATER EXCEPT AS IS LOCATED ON THE SAME SITE AS THE SUCTION ACTIVITY;	CHECKED BY: JTC	S, P.E. Date: 01-31-205 EER NO. PE035603	N NO. 0000020669
 CONSTRUCTION ACTIVITIES ARE OCCURRING ARE IN COMPLIANCE WITC. STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY INDUSTRIAL ACTIVITY OTHER THAN CONSTRUCTION ARE OCCURRING GENERAL PERMIT OR INDIVIDUAL PERMIT AUTHORIZING SUCH DISCHAR COMPLIANCE WITH A DIFFERENT NPDES PERMIT. THE FOLLOWING NON-STORMWATER DISCHARGES MAY BE AUTHORIZE NON-STORMWATER COMPONENT OF THE DISCHARGE IS EXPLICITLY IN IV.D.7: PART III.A.2. 	TH THE TERMS OF THE PERMIT; FROM THE AREAS OF THE SITE WHERE ARE COVERED BY A DIFFERENT NPDES ARGES AND THE DISCHARGES ARE IN ED BY THE PERMIT PROVIDED THE	DRAWN BY: KAB	J. TYLER COATS, P.E.	EL II CERTIFICATIO
 A. FIRE FIGHTING ACTIVITIES; B. FIRE HYDRANT FLUSHING; C. POTABLE WATER SOURCES INCLUDING WATER LINE FLUSHING; D. IRRIGATION DRAINING; E. AIR CONDITIONING CONDENSATE; F. SPRINGS; G. UNCONTAMINATED GROUND WATER; AND H. FOUNDATION OR FOOTING DRAINS WHERE THE FLOWS ARE NOT CONT 	TAMINATED WITH PROCESS MATERIALS OR	DESIGNED BY: MCG	J. TY GEORGIA PR	GSWCC LEV
 POLLUTANTS. LIMITATIONS ON COVERAGE PART I.C.3 THE FOLLOWING STORMWATER DISCHARGES FROM CONSTRUCTION SITES A. STORMWATER DISCHARGES ASSOCIATED WITH AN INDUSTRIAL ACTIV CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HA B. DISCHARGES THAT ARE MIXED WITH SOURCES OF NON-STORMWATEF IDENTIFIED IN PART III.A.2. OF THIS PERMIT AND WHICH ARE IN COMPL DISCHARGES) OF THIS PERMIT; C. STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY INDIVIDUAL OR GENERAL PERMIT. SUCH DISCHARGES MAY BE AUTHON PERMIT EXPIRES PROVIDED THE EXISTING PERMIT DID NOT ESTABLISH DISCHARGES; AND D. STORMWATER DISCHARGES FROM CONSTRUCTION SITES THAT THE D MAY REASONABLY BE EXPECTED TO BE CONTRIBUTING TO A VIOLATIC 	VITY THAT ORIGINATE FROM THE SITE AFTER AS UNDERGONE FINAL STABILIZATION; R OTHER THAN DISCHARGES WHICH ARE IANCE WITH PART IV.D.7. (NON-STORMWATER THAT ARE SUBJECT TO AN EXISTING NPDES RIZED UNDER THIS PERMIT AFTER AN EXISTING H NUMERIC LIMITATIONS FOR SUCH DIRECTOR (EPD) HAS DETERMINED TO BE OR	O R C	ROFESSIONAL PROFESSIONAL PROFESSIONAL PROFESSIONAL	0 -3 -2025
COMPLIANCE WITH WATER QUALITY PART I.C.4 NO DISCHARGES AUTHORIZED BY THIS PERMIT SHALL CAUSE VIOLATIONS O STANDARDS AS PROVIDED BY THE RULES AND REGULATIONS FOR WATER O		Schnabel	ENGINEERING 6445 Shiloh Road, Suite A / Alpharetta, GA 30005 / Phone: 770-781-8008 / Fax: 770-781-8003 / schnabel-eng.com	
		HANDLEY PARK LAKE DAM TOWN OF TYRONE	CHECK	
CALL BEFORE YOU DIAL 811 OR CALL 1-800- UTILITIES PROTECTION IT'S THE LAW Call before you dig.	OORDINATE ERS TO			
	24-HOUR EROSION CONTROL CONTACT SCOTT LANGFORD		CT: 24170042.000 : JANUARY 2025	

TOWN OF TYRONE PHONE: (770) 487-4038

SHEET

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