

PERMITTEE (CONTRACTOR): TO BE DETERMINED

PLANS PREPARED FOR: SCOTT LANGFORD, PE PUBLIC WORKS DIRECTOR & TOWN ENGINEER TOWN OF TYRONE 950 SENOIA ROAD TYRONE, GEORGIA 30290 CELL: (770) 487-4038 EMAIL: scott.langford@tyronega.gov

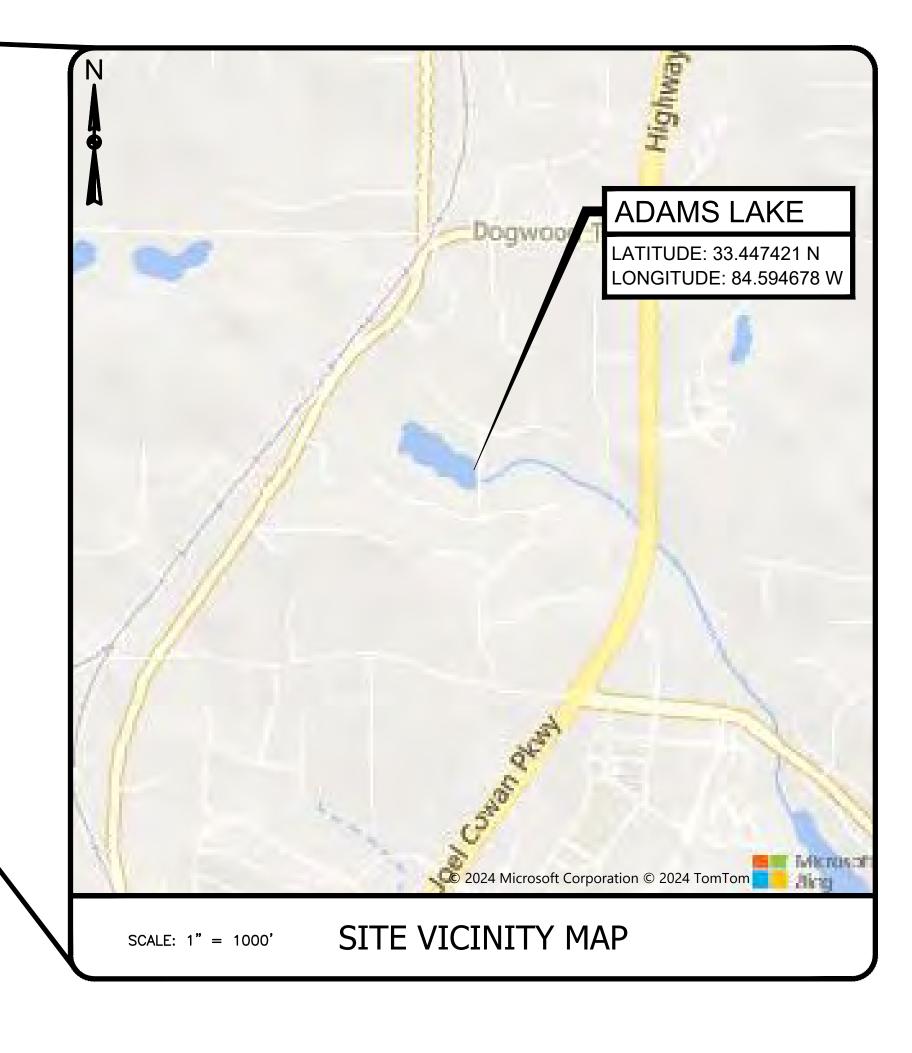
24-HOUR EROSION CONTROL CONTACT CONTRACTOR (TO BE DETERMINED)

PLANS PREPARED BY: SCHNABEL ENGINEERING, LLC. 6445 SHILOH ROAD, SUITE A ALPHARETTA, GEORGIA 30005

24-HOUR ENGINEER CONTACT: J. TYLER COATS, P.E. PHONE: (770) 781-8008 CELL: (770) 324-2460 EMAIL: tcoats@schnabel-eng.com

MAINTENANCE PLANS FOR ADAMS LAKE DAM LAND LOT 136, 7TH DISTRICT FAYETTE COUNTY, GEORGIA JANUARY 31, 2025 **REVISED MARCH 28, 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.



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PROJECT DESCRIPTION THE PROJECT INVOLVES IMPROVEMENTS AND MODIFICATIONS TO AN EXISTING EARTHEN EMBANKMENT DAM. THE PROPOSED MEASURES INCLUDE CLEARING AND GRUBBING OF TREES AND OTHER INAPPROPRIATE VEGETATION FROM THE EMBANKMENT SLOPES AND IN THE VICINITY OF THE SIPHON SPILLWAY PLUNGE POOL, INSTALLING A RIPRAP-ARMORED WAVE PROTECTION BERM ALONG THE UPSTREAM SLOPE, AND REGRADING AND ARMORING THE STORM DRAIN OUTLET CHANNEL IN THE RIGHT ABUTMENT WITH RIPRAP. ALL DISTURBED AREAS NOT RECEIVING RIPRAP SHALL BE STABILIZED WITH PERMANENT VEGETATION.

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GENERAL NOTES:

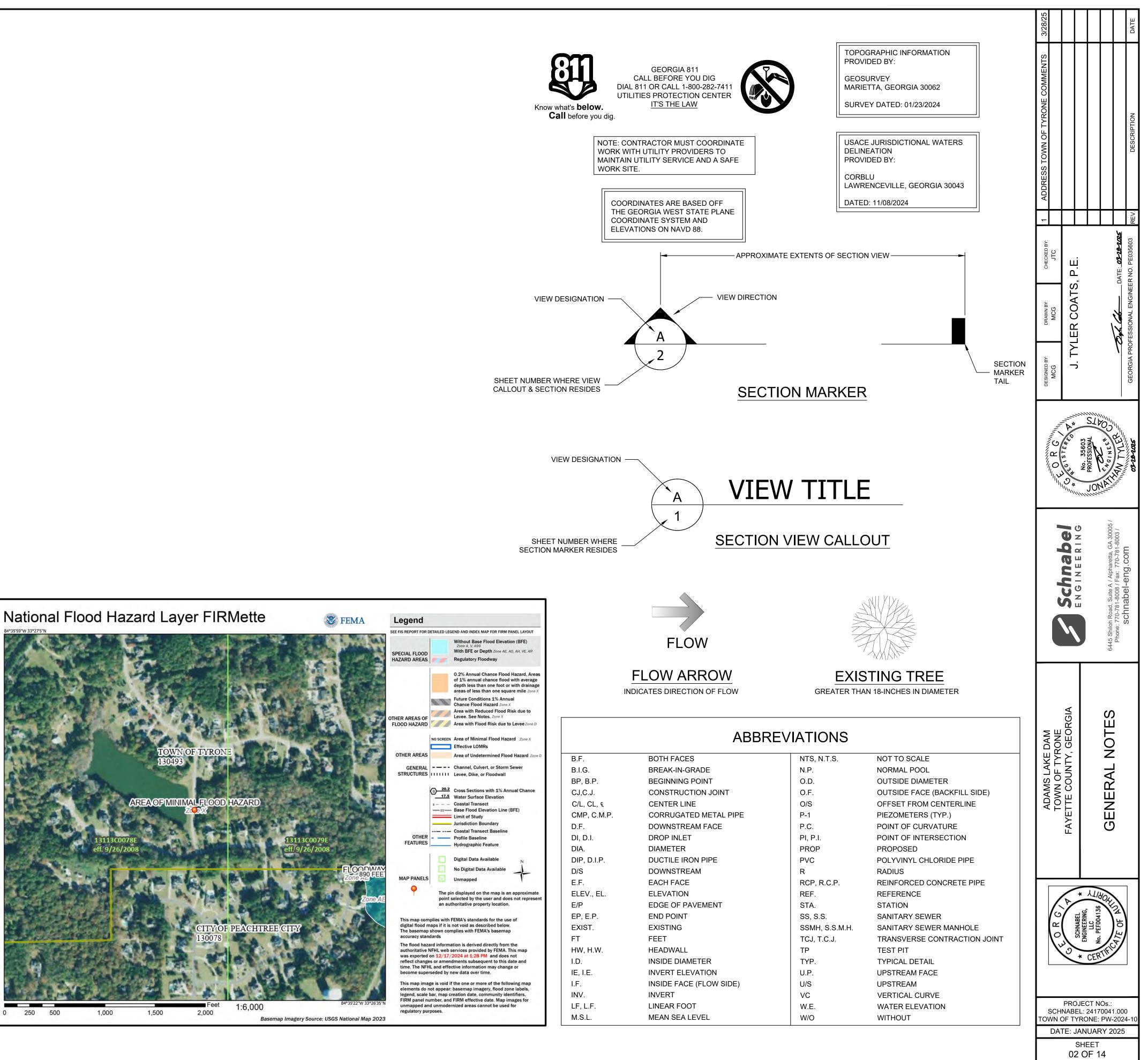
- SCHNABEL ENGINEERING, LLC IS SOLELY RESPONSIBLE FOR THE PREPARATION OF THE MAINTENANCE PLANS FOR THE SUBJECT DAM. ADHERENCE TO THESE PLANS, AS WELL AS ADHERENCE TO GOVERNMENT AND COUNTY REGULATIONS, ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR TO VERIFY ALL CONDITIONS, ELEVATIONS AND DIMENSIONS BEFORE BEGINNING CONSTRUCTION. ANY 2 DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER FOR JUSTIFICATION AND/OR CORRECTION BEFORE PROCEEDING WITH THE WORK. CONTRACTOR TO ASSUME RESPONSIBILITY FOR DISCREPANCIES THAT 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 MAY BE WORKING OR NEAR EXCAVATIONS.
- 5. ALL MATERIALS AND WORK PERFORMED SHALL COMPLY WITH THE TECHNICAL SPECIFICATIONS OF THE PROJECT.
- CONTRACTOR TO PROVIDE ENGINEER WITH AN AS-BUILT, FIELD-RUN TOPOGRAPHIC SURVEY PERFORMED BY A GEORGIA 6. REGISTERED SURVEYOR AT THE CONCLUSION OF THE PROJECT. SURVEY TO BE PROVIDED IN .PDF AND .DWG FORMAT.

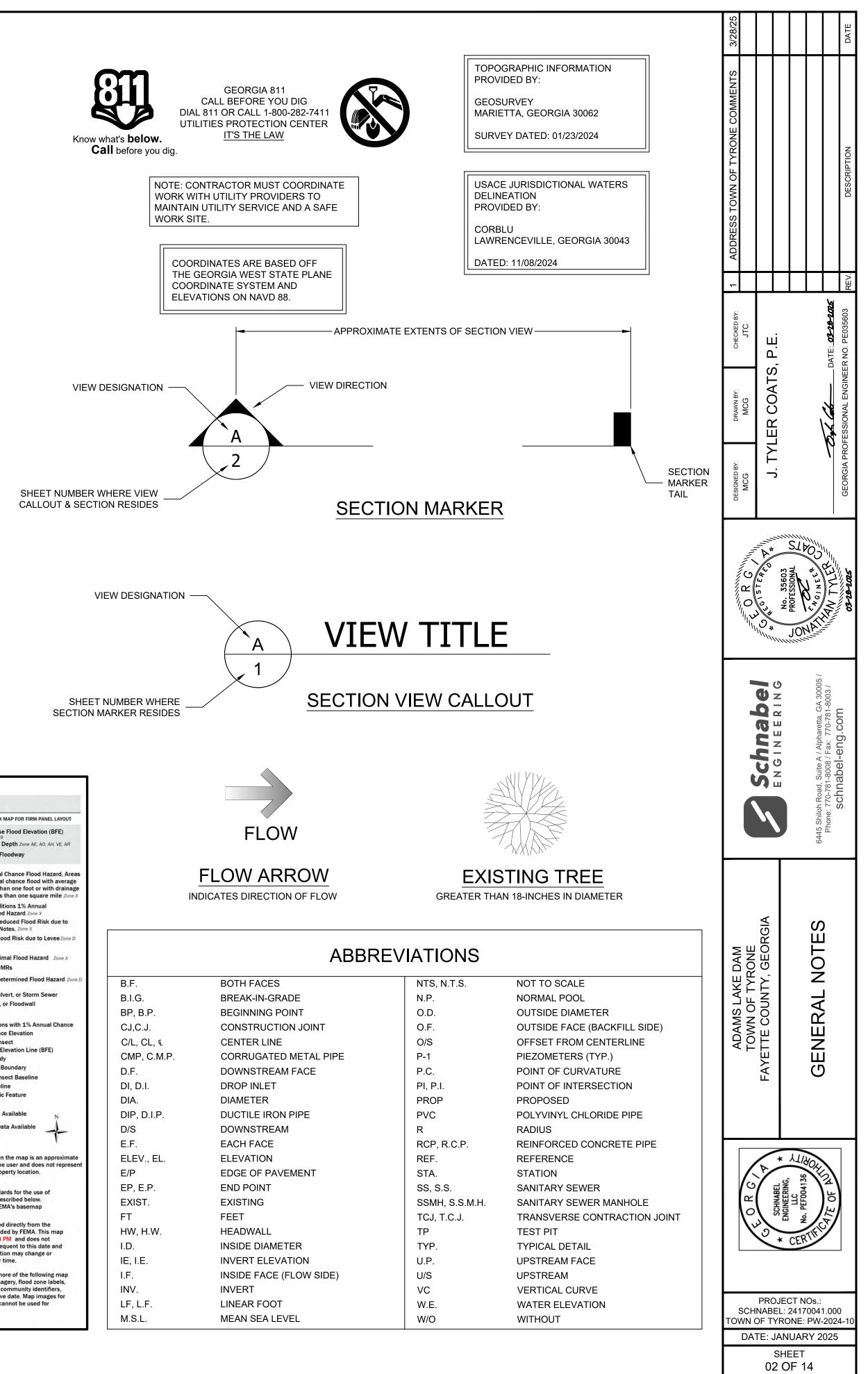
WATER CONTROL NOTES:

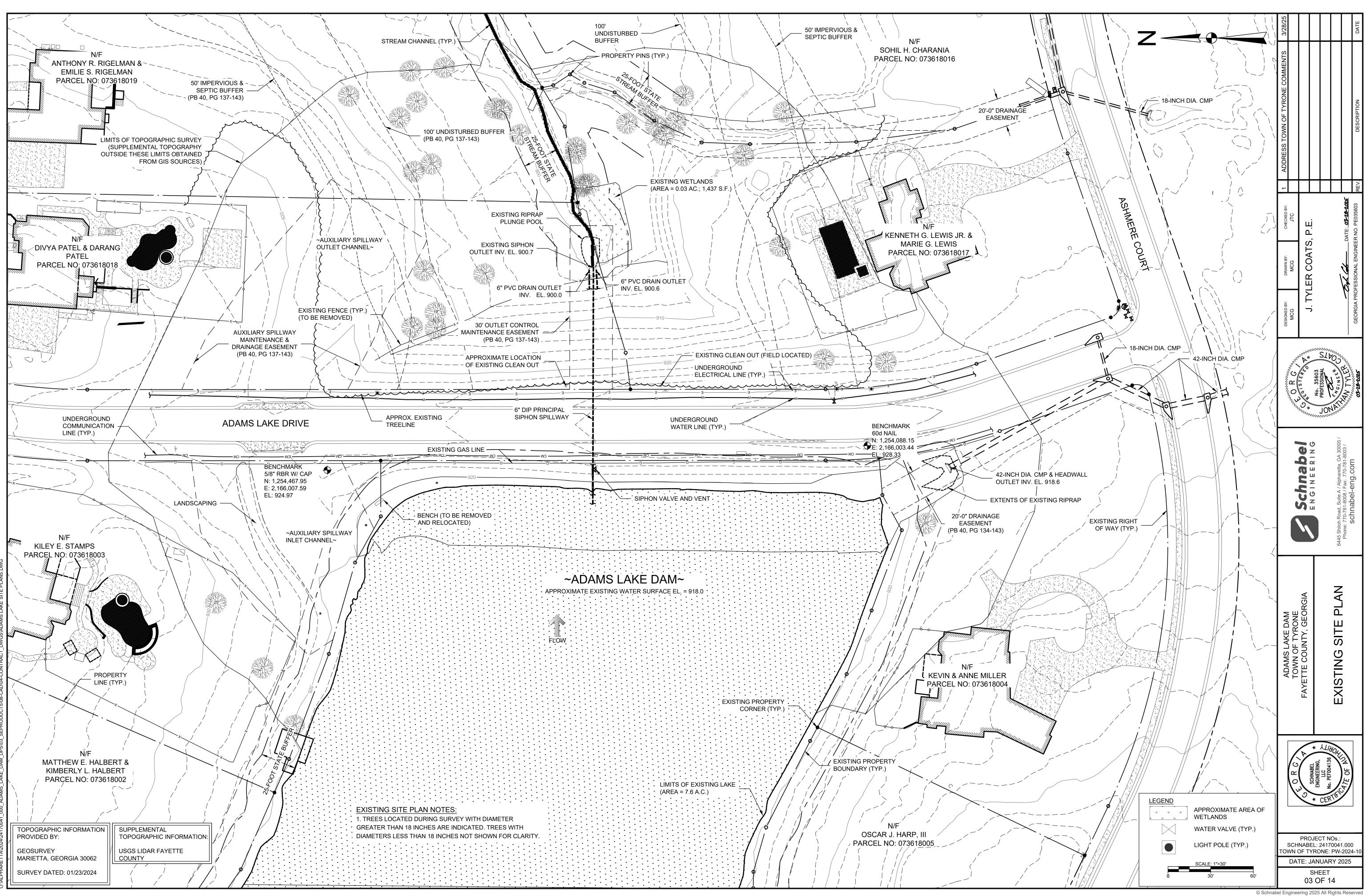
- 1. CONTRACTOR SHALL BUILD, MAINTAIN AND OPERATE ANY TEMPORARY DIKES, COFFERDAMS, CHANNELS, FLUMES, SUMPS AND OTHER TEMPORARY DIVERSION AND PROTECTIVE WORKS NEEDED TO DIVERT SURFACE WATER FROM THE CONSTRUCTION WORK WHILE CONSTRUCTION IS IN PROGRESS. DIVERSION OR RETENTION OF SURFACE WATERS WILL BE CONTINUED 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. THE CONTRACTOR MAY UTILIZE THE EXISTING SIPHON SPILLWAY TO FACILITATE LOWERING/DRAINING OF THE LAKE. IF THE CONTRACTOR INTENDS TO USE THE SIPHON SPILLWAY, 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 SIPHON SPILLWAY.
- 6. A MINIMUM OF SEVEN (7) DAYS' PRIOR TO PERFORMING WORK ALONG THE UPSTREAM SLOPE OF THE DAM, THE CONTRACTOR SHALL LOWER AND MAINTAIN THE POOL ELEVATION OF THE LAKE IN A LOWERED STATE THAT IS A MINIMUM OF THREE (3) VERTICAL FEET BELOW THE EXTENT OF ANY PROPOSED WORKS OF IMPROVEMENTS.
- 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.

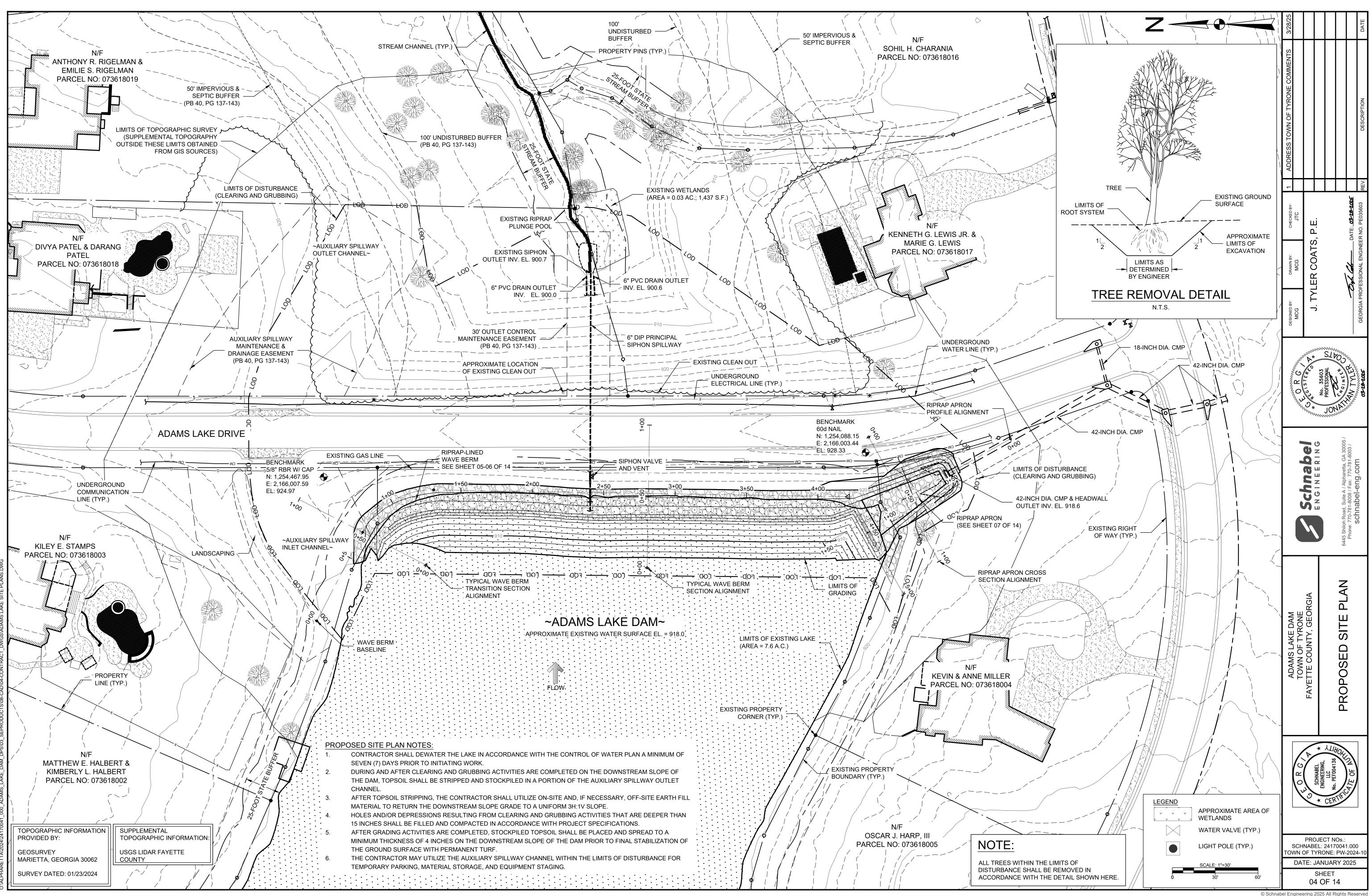
SOIL COMPACTION NOTES:

- 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.
- AREAS TO RECEIVE STRUCTURAL FILL SHALL BE BENCHED INTO EXISTING SLOPES, 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.
- 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 6-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).
- ALL FILL SOILS TO BE PLACED UNDER THE OBSERVATION OF THE ENGINEER OR HIS REPRESENTATIVE.
- CONTRACTOR SHALL ANTICIPATE THE NEED TO IMPORT EARTH FILL MATERIAL TO SUPPLEMENT ON-SITE SOILS, IF THE ON-SITE MATERIAL IS NOT OF SUFFICIENT QUANTITY TO ACHIEVE THE PROPOSED GRADE. 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.
- 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.

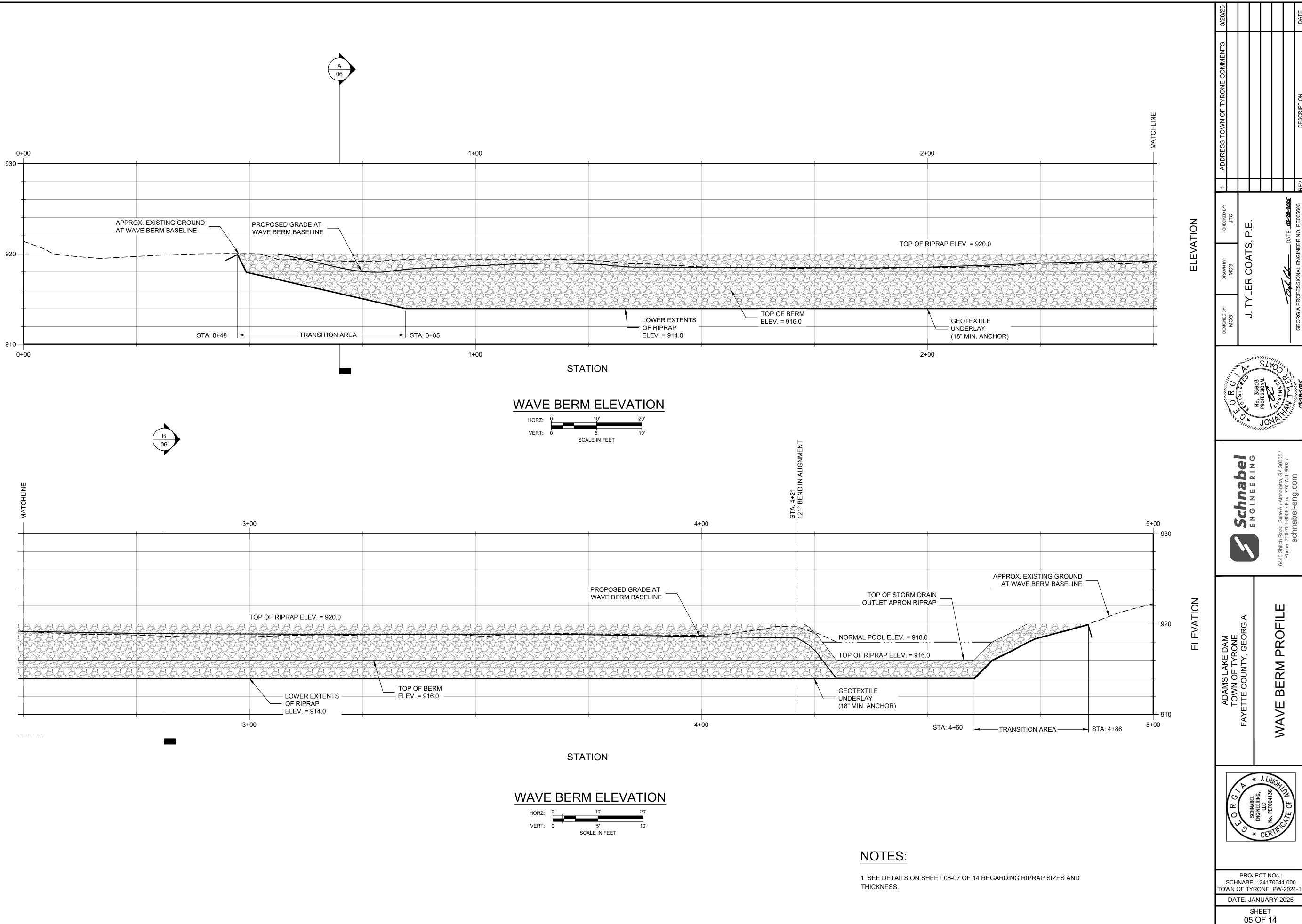




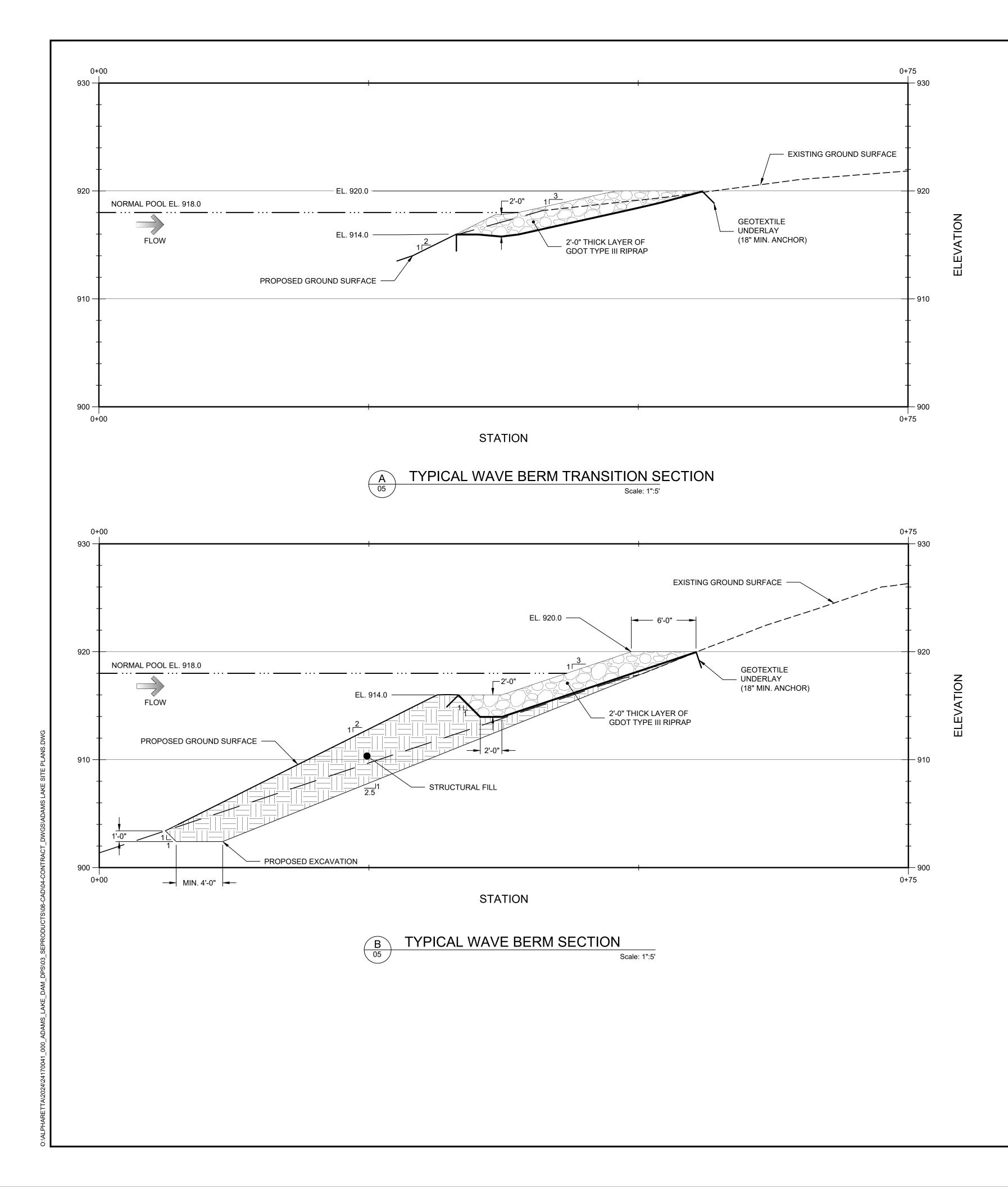




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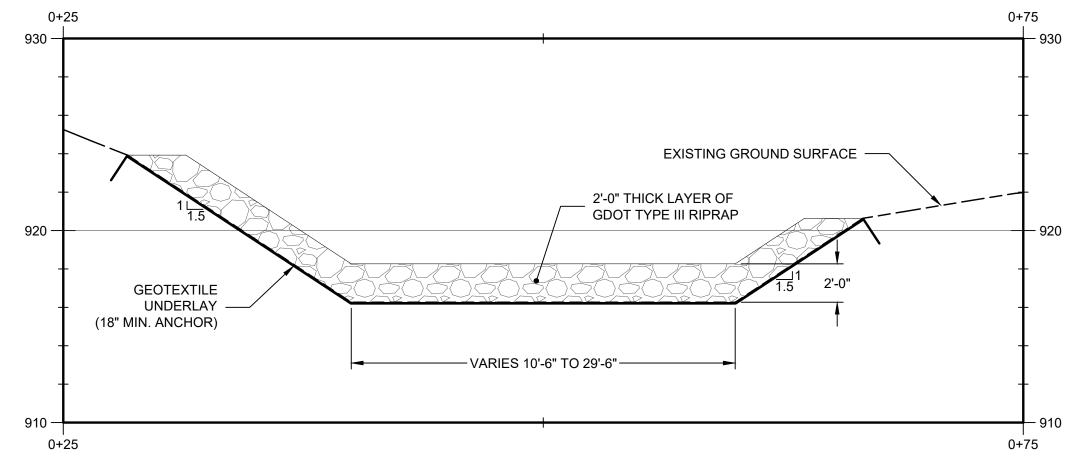


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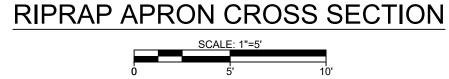
NOTES:

- 1. CONSTRUCT THE ROCK ARMORED WAVE BERM TO FULL SECTION BETWEEN STA. 0+85 AND STA. 4+60. TRANSITION TO EXISTING EMBANKMENT FROM APPROX. STA. 0+48 TO STA. 0+85 AND FROM STA. 4+60 TO APPROX. STA. 4+86.
- 2. THE RIPRAP THICKNESS IN THE TRANSITION AREAS SHALL REMAIN 2'-0" THICK NORMAL TO THE SLOPE.
- 3. THE EXISTING GROUND SURFACE BELOW NORMAL POOL (EL. 918.0) IS BASED ON THE 2004 RENOVATION PLANS AND SHOULD BE CONSIDERED APPROXIMATE. DISCREPANCIES SHOULD BE DISCLOSED TO THE ENGINEER'S REPRESENTATIVE PRIOR TO PLACEMENT OF EARTHFILL.
- 4. PRIOR TO THE PLACEMENT AND COMPACTION OF EARTHFILL TO CONSTRUCT THE WAVE BERM, EXISTING UPSTREAM SLOPE SOIL SHALL BE EXCAVATED TO THE EXTENTS SHOWN IN THE TYPICAL WAVE BERM SECTION TO FACILITATE BERM SOIL PLACEMENT AND COMPACTION ACTIVITIES.

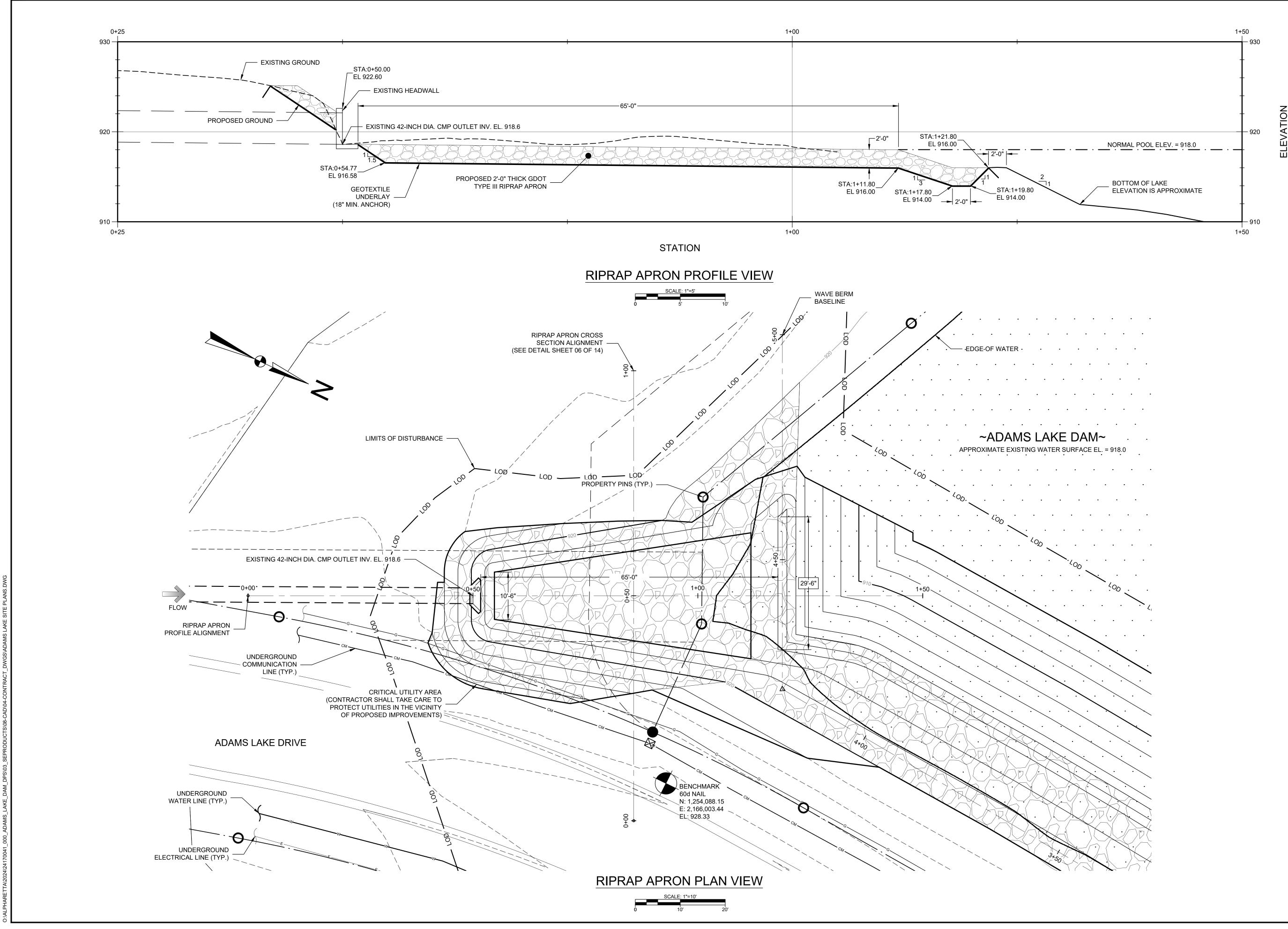


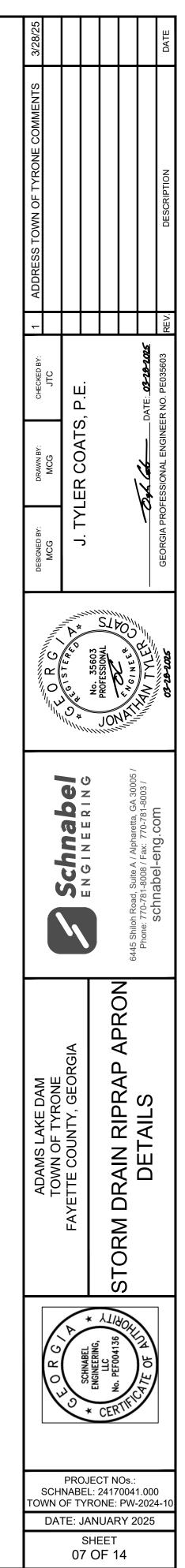
STATION

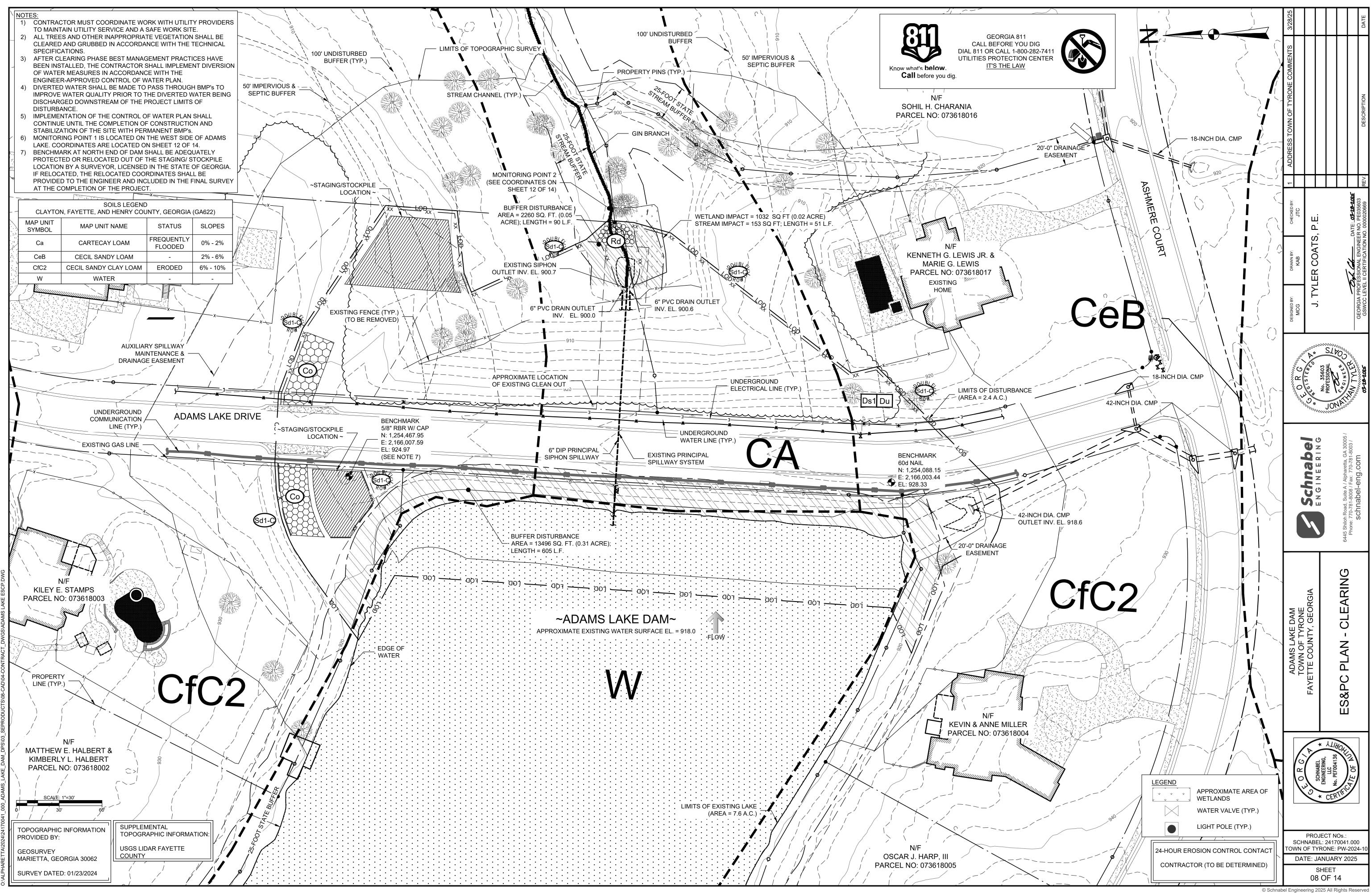


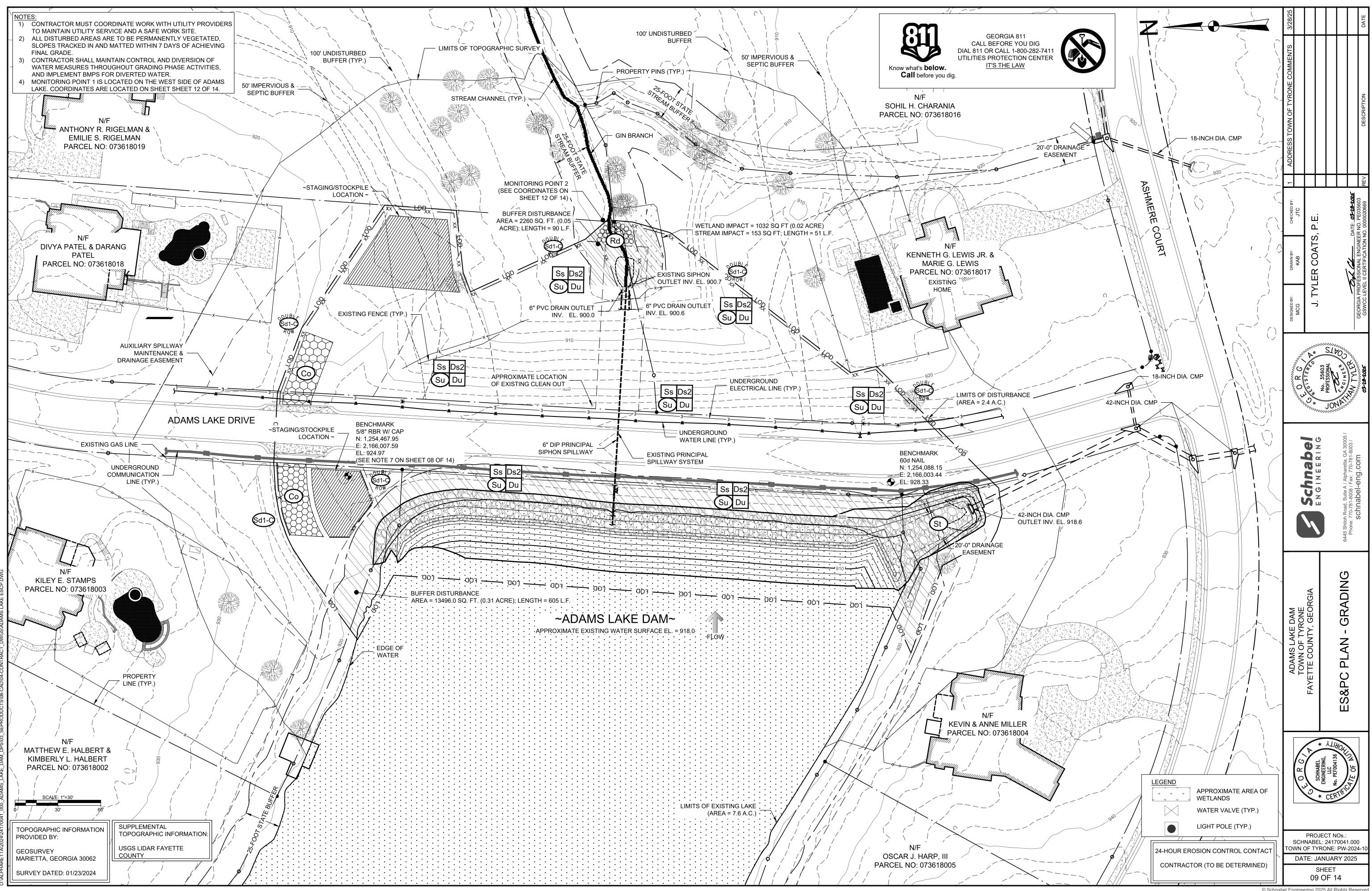


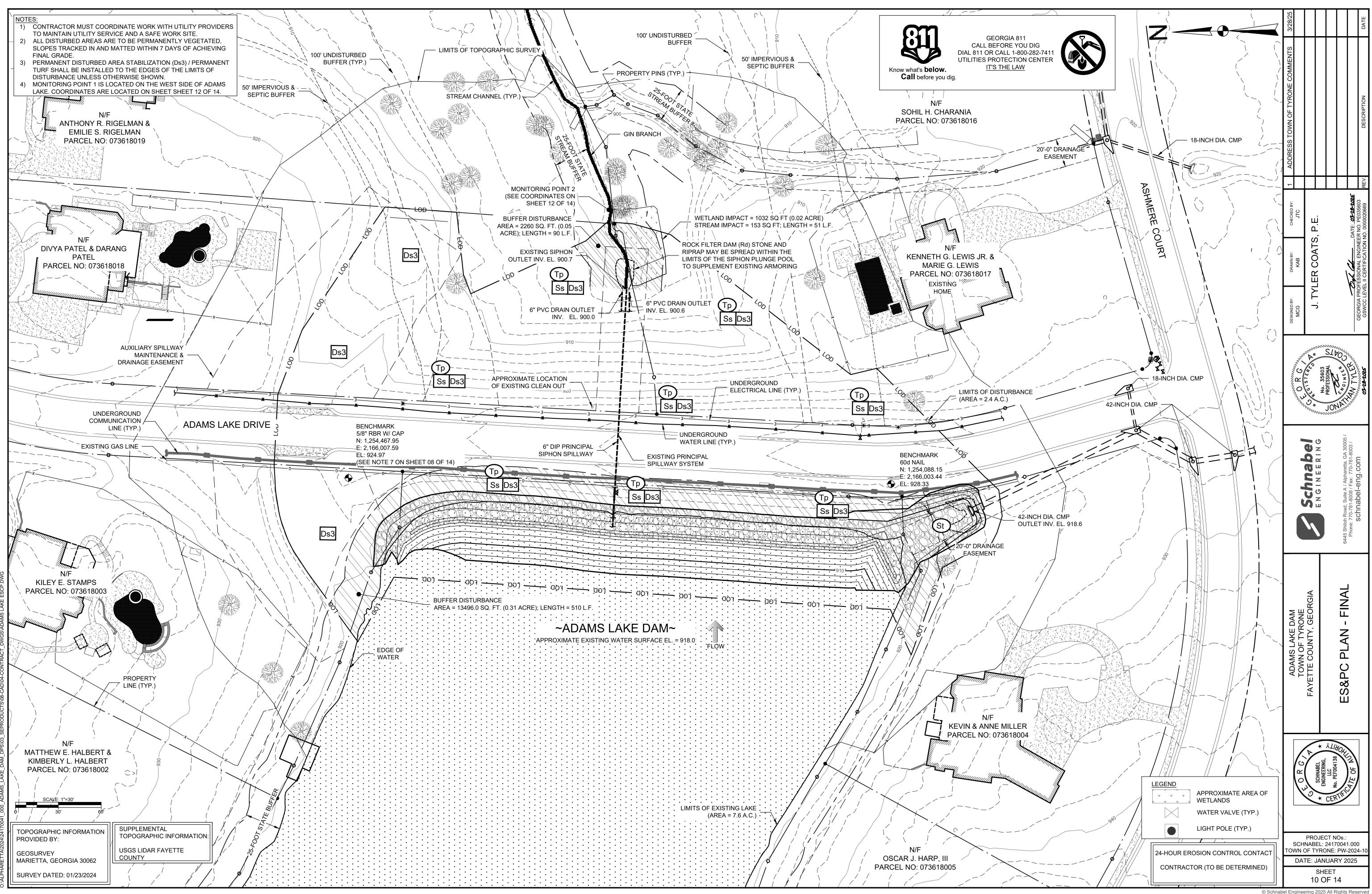
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GEORGIA UNIFORM CODING SYSTEM FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES GEORGIA SOIL AND WATER CONSERVATION COMMISSION

STRUCTURAL PRACTICES

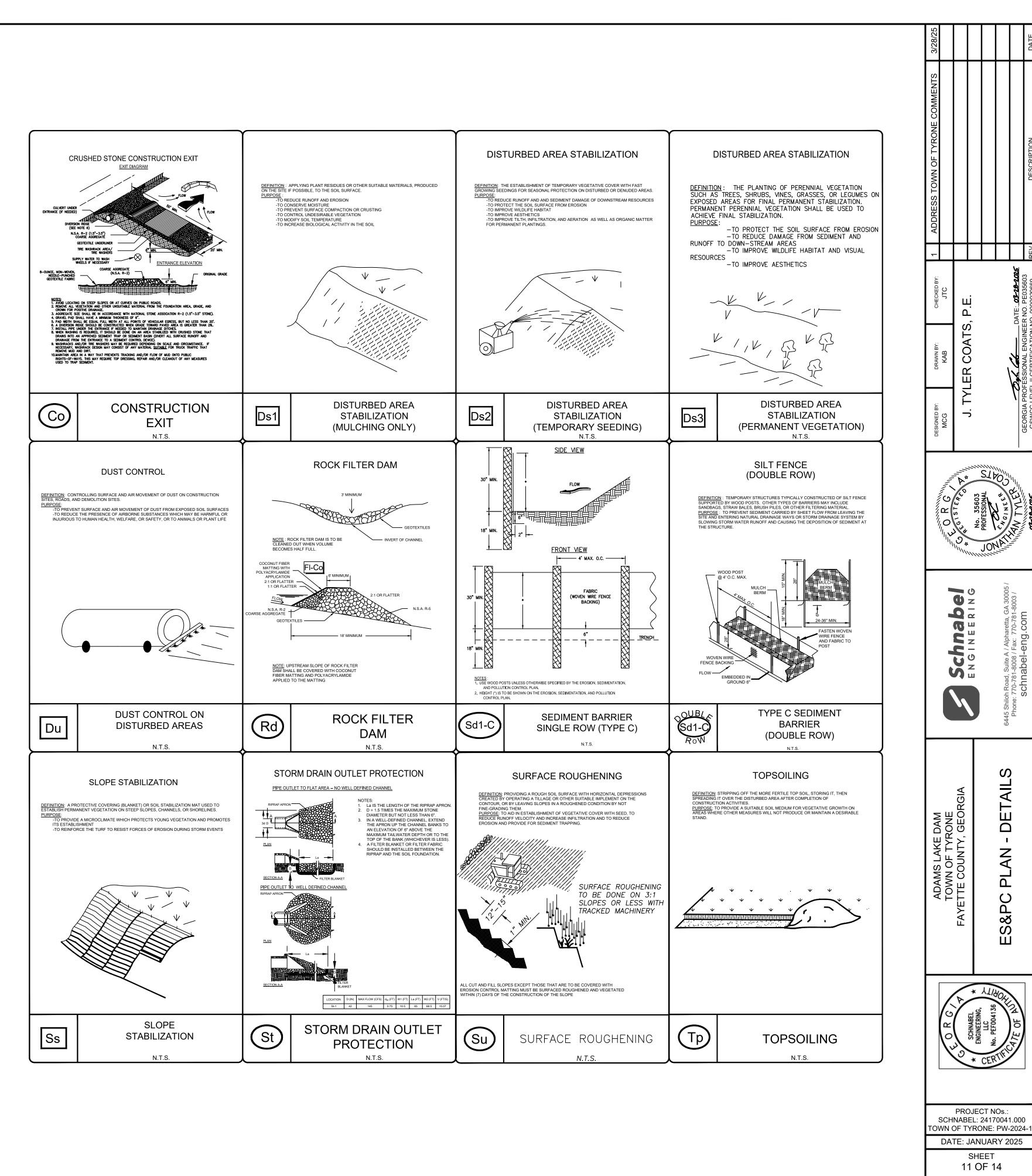
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHECKDAM		J	A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.
Ch	CHANNEL STABILIZATION			Improving, constructing or stabilizing an open channel, existing stream, or ditch.
Co	CONSTRUCTION EXIT			A crushed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

STRUCTURAL PRACTICES

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

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Bf	BUFFER ZONE		Bf (MBE)	Strip of undisturbed original vegetation, enhanced or restored existing vegetation or the reestablishment of vegetation surrounding an area of disturbance or bordering streams.
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)	JANE JE EFAFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	Cs	Planting vegetation on dunes that are denuded artificially constructed, or re-nourished.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		Ds2	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	4 5 6 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SODDING)		Ds4	A permanent vegetative cover using sods on highly erodable or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.
FI-Co	FLOCCULANTS AND COAGULANTS		FI-Co	Substance formulated to assist in the solids/liquid separation of suspended particles in solution.
Sb	STREAMBANK STABILIZATION (USING PERM VEGETATION)		Sb	The use of readily available native plant materials to maintain and enhance streambanks, or to prevent, or restore and repair small streambank erosion problems.
Ss	SLOPE STABILIZATION		Ss	A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.
Тас	Tackifiers and Binders		Tac	Substance used to anchor straw or hay mulch by causing the organic material to bind together.



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SITE DESCRIPTION

PROJECT TYPE: DAM REHABILITATION

PROJECT DESCRIPTION: THE PROJECT INVOLVES IMPROVEMENTS AND MODIFICATIONS TO AN EXISTING EARTHEN EMBANKMENT DAM. THE PROPOSED MEASURES INCLUDE CLEARING AND GRUBBING OF TREES AND OTHER INAPPROPRIATE VEGETATION FROM THE EMBANKMENT SLOPES AND IN THE VICINITY OF THE SIPHON SPILLWAY PLUNGE POOL, INSTALLING AN RIPRAP-ARMORED WAVE PROTECTION BERM ALONG THE UPSTREAM SLOPE, AND REGRADING AND ARMORING THE STORM DRAIN OUTLET CHANNEL IN THE RIGHT ABUTMENT WITH RIPRAP. ALL DISTURBED AREAS NOT RECEIVING RIPRAP 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: 2.4 AC

DISTURBED AREA: <u>2.4 AC</u>

SCS CURVE NUMBER (PRE-CONSTRUCTION): 68

SCS CURVE NUMBER (POST-CONSTRUCTION): 68

STREAM BUFFERS & WETLANDS

STATE WATERS LOCATED ON OR WITHIN 200' OF THIS SITE HAVE BEEN DELINEATED. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25' OR 50' UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS. BASED ON CORRESPONDENCE WITH THE LOCAL ISSUING AUTHORITY, TOWN OF TYRONE, A STREAM BUFFER VARIANCE IS REQUIRED.

WETLANDS ARE PRESENT WITHIN 200' FEET OF THE PROJECT SITE. CONSTRUCTION PLANS HAVE BEEN DESIGNED FOR ENCROACHMENT INTO WETLANDS.

0.05 AC

<u>13,496 SQ FT</u> 0.31 AC

<u>2,260 SQ FT</u>

UPSTREAM BUFFER IMPACT AREA:

DOWNSTREAM BUFFER IMPACT AREA:

TOTAL BUFFER IMPACT AREA:

UPSTREAM BUFFER IMPACT LENGTH:

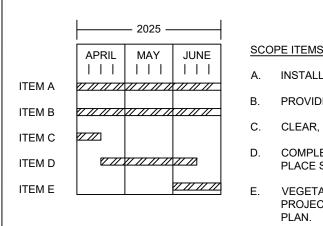
DOWNSTREAM BUFFER IMPACT LENGTH:

TOTAL BUFFER IMPACT LENGTH:	<u>69</u>

WETLAND IMPACT AREA:

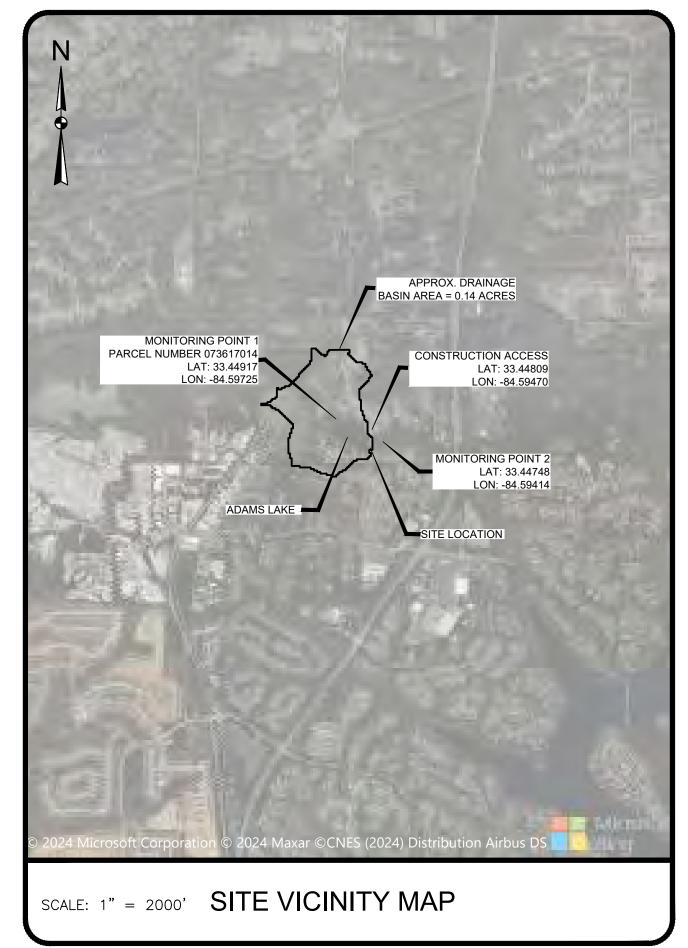
<u>15,756 SQ FT</u>	<u>0.36 AC</u>
<u>605 LF</u>	
<u>90 LF</u>	
<u>695 LF</u>	
<u>1032 SQ FT</u>	<u>0.02 AC</u>
<u>153 SQ FT</u>	<u>0.004 AC</u>

CONSTRUCTION SCHEDULE



Α.	INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES.
В.	PROVIDE WATER CONTROL DURING CONSTRUCTION ACTIVITIES.
C.	CLEAR, GRUB, AND STRIP PROJECT AREA.

- D. COMPLETE EARTHWORK FOR ABUTMENT DRAINAGE APRON AND PLACE SLOPE PROTECTION RIPRAP.
- VEGETATE ALL AREAS AS REQUIRED DURING CONSTRUCTION OF THE PROJECT AS REQUIRED BY THE SEDIMENT AND EROSION CONTROL PLAN.



GENERAL NOTES

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.

ANDARDS & SPECIFICATIONS - ALL DESIGNS AND ALL WORK WILL BE DONE IN ACCORDANCE WITH THE STANDARDS AND 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.

LIMITS OF DISTURBANCE SHALL BE NO GREATER THAN 50 ACRES AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE EPD DISTRICT OFFICE.

THE SURFACE AREA OF ERODIBLE MATERIAL, AT ONE TIME, SHALL NOT EXCEED 17 ACRES.

BUFFER REVEGETATION PLAN

DISTURBED AREAS WITHIN THE 25-FOOT STATE STREAM BUFFER SHALL BE STABILIZED WITH NATIVE, NON-INVASIVE SPECIES AFTER THE COMPLETION OF ACTIVITIES WITHIN THE BUFFER ZONE. THE FOLLOWING PERMANENT, NATIVE, RIPARIAN PLANT SPECIES SHALL BE UTILIZED TO RE-VEGETATED THE BUFFER ZONE:

SPECIES	REGION	STREAM ZONE	WILDLIFE VALUE	NOTES
ALNUS SERRULATA (SMOOTH ALDER)	M,P,C	SHRUB	MODERATE, COVER	RAPID GROWTH, STABILIZES STREAMBANK, SUN
CEPHALANTUS OCCIDENTALIS (BUTTONBUSH)	M,P,C	SHRUB	MODERATE, COVER	RAPID GROWTH, STABILIZES STREAMBANK, SUN
ILEX VERTICILATA (WINTERBERRY)	M,P	SHRUB	MODERATE, COVER	RAPID GROWTH, STABILIZES STREAMBANK, SUN
SALIX NIGRA (BLACK WILLOW)	M,P,C	SHRUB & TREE	NESTING	RAPID GROWTH, FULL SUN

A MINIMUM OF TWO (2) VARIETIES OF THE SPECIES INDICATED IN THE TABLE ABOVE SHALL BE UTILIZED FOR BUFFER REVEGETATION PURPOSES, AS USE WILL BE HIGHLY DEPENDENT UPON AVAILABILITY AND SUPPLY FROM LOCAL DISTRIBUTORS. THE ABOVE LIST MAY BE SUPPLEMENTED OR AMENDED WITH OTHER NATIVE PLANTS INCLUDED IN TABLE 6-1.2 OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, 2016 EDITION (GREEN BOOK).

SOIL PREPARATION AND MAINTENANCE ARE ESSENTIAL FOR THE ESTABLISHMENT OF PLANTED VEGETATION. SOIL FERTILITY, WEED CONTROL, AND HERBACEOUS COVER IMPROVEMENTS MAY BE NECESSARY TO FACILITATED ESTABLISHMENT OF PLANTED VEGETATION. REVEGETATION PLANTINGS SHOULD BE INSTALLED EARLY IN THE GROWING SEASON TO PROMOTE ESTABLISHMENT AND FUTURE HARDINESS. PLANTS TO BE USED SHALL BE SUPPLIED EITHER AS CONTAINER-GROWN PLANTS, OR BALLED AND BURLAPPED PLANTS. PLANTINGS SHOULD BE SPACED GENERALLY EVERY THREE (3) TO FIVE (5) HORIZONTAL FEET. PLANTINGS SHOULD BE A MINIMUM OF THREE (3) FEET FROM THE POINT OF WRESTED VEGETATION.

GIVEN THAT THE PROPOSED PLANTINGS WILL OCCUR ADJACENT TO AN ESTABLISHED LAKE, WHERE PRIOR DISTURBANCES HAVE OCCURRED DUE TO ROADWAY CONSTRUCTION. DREDGING ACTIVITIES, AND LANDSCAPING, THE PROPOSED DENSITY OF BUFFER REVEGETATION PLANTINGS SHOULD ACHIEVE GOALS OF SEDIMENT FILTERING AND PROVISION OF DETRITAL NUTRIENTS FOR AQUATIC ORGANISMS. ADDITIONAL CONSIDERATIONS AND POINTS OF EMPHASIS MAY BE REFERENCED IN THE GREEN BOOK SECTION ASSOCIATED WITH BUFFER ZONES.



GEORGIA 81 CALL BEFORE YOU DIG DIAL 811 OR CALL 1-800-282-7411 UTILITIES PROTECTION CENTER IT'S THE LAW

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.

J TYLER COATS PE

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."



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

CERTIFICATIONS

03-28-2025 DATE

03-28-2025

WASTE MATERIALS SHALL NOT BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED **BY A SECTION 404 PERMIT**

CONSTRUCTION PERIOD	HE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE D:	ALL PERSONNE PRACTICES WI PROCEDURES
PAVEMENT WASH WATE	RS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).	HAZARDOUS W
UNCONTAMINATED GRO	DUNDWATER (FROM DEWATERING EXCAVATION IF ANY).	ALL HAZARDOUS
	TION PREVENTION PLAN: 3STANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ON SITE DURING CONSTRUCTION:	REGULATIONS RESPONSIBLE PRACTICES. M USED ON THE
CEMENT DETERGENTS PAINTS CONCRETE	PETROLEUM BASED PRODUCTS WOOD MASONRY BLOCKS CLEANING SOLVENTS	RESULT FROM AND/OR USED, CONSTRUCTIO WILL BE INSTR
TAR FERTILIZER		PRODUCT HE/S
SPILL PREVENTION:		SANITARY WAS
	HE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER E OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.	A MINIMUM OF SANITARY WAS PORTABLE FAC
GOOD HOUSEKEEPING:		ALL SANITARY WATER DISCH
	HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT. MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.	OR SPECIALLY STORM WATEF GRADING PHAS
	RED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND,	BEEN DETERM
PRODUCTS WILL BE WILL NOT BE MIXED A PRODUCT WILL BE PROPER USE AND D AND DISPOSAL OF M	KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL. SUBSTANCES WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER. WHENEVER POSSIBLE, ALL OF USED UP BEFORE DISPOSING OF THE CONTAINER. MANUFACTURER'S RECOMMENDATIONS FOR ISPOSAL WILL BE FOLLOWED. THE SITE SUPERINTENDENT WILL INSPECT DAILY TO INSURE PROPER USE MATERIALS ONSITE.	PETROLEUM B. INSPECTED DA REGULAR PRE AWAY FROM S TANKS SHALL I OILS, FUELS, A CONTAINER AN
HAZARDOUS PRODUCTS	-	PAINTS/FINISH
PRODUCTS WILL B ORIGINAL LABELS IF SURPLUS PROD	S ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS: E KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE. AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION. UCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR L WILL BE FOLLOWED.	USE. EXCESS MATERIAL USE MANUFACTURI
	JCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:	CONCRETE TR CONCRETE OF
MAINTENANCE TO REDU	5: ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE JCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED RE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE OMMENDATIONS.	FERITLIZER/HE SPECIFICATION EROSION AND CONTAINERS.
ONCE APPLIED, FERTILI	ERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A CONTENT OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC	BUILDING MAT
BIN TO AVOID SPILLS.	ONTENT OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC	SPILL CLEANU
DISCHARGED INTO THE	RS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S FE AND LOCAL REGULATIONS.	LOCAL, STATE PERSONNEL.
	ONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM OF DESIGNATED AREA AS SHOWN ON THE PLANS.	MATERIAL AND MATERIALS AN LITTER, SAND,
	OD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS LOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:	SPILL PREVEN PREVENT FUT
	OMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE ROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.	ALL SPILLS WII LOCAL, STATE,
EQUIPMENT AND MATER	MENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. RIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, WDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.	FOR SPILLS T⊦ (NRC) WILL BE
, ,	ANED UP IMMEDIATELY AFTER DISCOVERY.	FOR SPILLS OF
THE SPILL AREA WILL B	EXANED UP IMMEDIATELY AFTER DISCOVERY. E KEPT WELL VENTILATED, AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO CONTACT WITH HAZARDOUS SUBSTANCES.	FOR SPILLS GF WITHIN 24 HOU
SPILLS OF TOXIC OR HA	ZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT	FOR SPILLS LE 24 HOURS.
REOCCURRING AND HO	OF THE SIZE. PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM W TO CLEANUP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, SURES WILL ALSO BE INCLUDED.	THE CONTRAC OF PETROLEU HAS A CAPACI ⁻ COUNTERMEA
THE SITE SUPERINTENE CLEANUP COORDINATO PREVENTION AND CLEA	DENT 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 OF NUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE	
WASTE MATERIALS:		
MEET SOLID WASTE MA	WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL NAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE IPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF	

BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE STED ON THE JOBSITE, AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE LLOWED.

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

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

VILL 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 ARGES. 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:

RODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TARS WILL BE LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLES AND MACHINERY DAILY INSPECTIONS AND IVE MAINTENANCE OF SUCH EQUIPMENT, EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED ATER. 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.

VENTS - 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 ENT 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:

ANUFACTURER'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

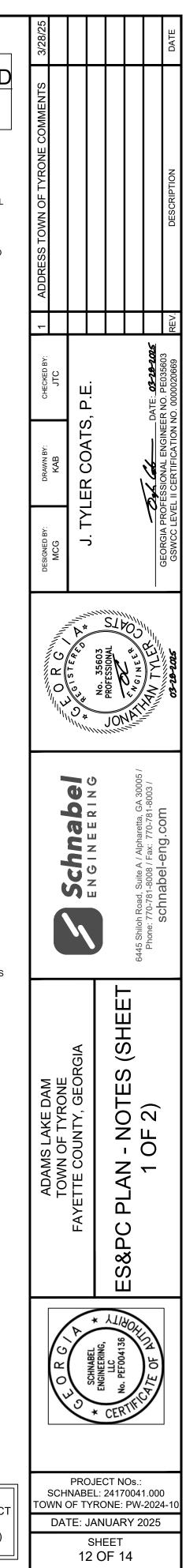
EANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY DERAL REGULATIONS.

ACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER TED WITH 24 HOURS AT 1-800-424-8802

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

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

IALL 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.



24-HOUR EROSION CONTROL CONTACT CONTRACTOR (TO BE DETERMINED)

NOI INFORMATION			
COVERAGE DESIRED:	GAR100001 - STAND ALONE		
I. <u>SITE/OWNER/OPERATOR II</u>	NFORMATION		
GPS LOCATION OF CONSTRUCT	ION EXIT: LATITUDE 33°26'53.1"N LONGITUDE 84°35'40.9"W		
II. SITE/OWNER/OPERATOR II	NFORMATION		
CONSTRUCTION START DATE:	APRIL 2025		
COMPLETION DATE:	JUNE 2025		
ESTIMATED DISTURBED ACREAG	GE: <u>2.4</u> AC		
III. RECEIVING WATER INFORI	MATION		
INITIAL RECEIVING WATER(S):	GIN BRANCH		
	_ 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 OUTFAL	LS: CONSTRUCTION SITE SIZE (AC): <u>2.4</u> AC.		
APPENDIX B NTU VALUE: <u>N/A</u>	SURFACE WATER DRAINAGE AREA (SQ. MI.): 0.14 SQ. MI.		

APPENDIX B RATIONALE

APPENDIX B RATIONALE NOT APPLICABLE FOR RECEIVING STREAM SAMPLING. ONLY ≤75 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 LINCOATED 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. IF 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 DH 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 2¹/₂ 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.

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 FACH 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 IFYING 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 (LE 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.

INSPECTIONS

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 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 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 GAR100001 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.

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)

STANDARDS NOT CAUSED BY A POLLUTANT

STORMWATER FROM ADAMS LAKE DAM DISCHARGES INTO GIN BRANCH 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.

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 = (2.4 ACRES) X (67 CY/ACRE) = 161 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 = 5 FEET, AND LENGTH = TOTAL LENGTH OF BARRIER ON SITE. TOTAL VOLUME OF SEDIMENT STORAGE PROVIDED BY TYPE "C" SILT FENCE = (1.5 FEET) X (5 FEET) X (847 FT) = 6,353 CU. FT. = 235 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 DOWNSTREAM SLOPE OF THE EMBANKMENT AND SURROUNDING THE LEFT ABUTMENT CONCRETE SPILLWAY WILL BE STABILIZED USING PERMANENT VEGETATION.

OTHER MEASURES

DUST CONTROL MEASURES

ALL DISTURBED AREAS SHALL RECEIVE MULCHING AS SOON AS PRACTICAL AND NO LATER THAN 7 DAYS AFTER DISTURBANCE HAS TERMINATED. DURING DRY PERIODS, ALL ROADS AND EXPOSED SOIL SURFACES SHALL BE IRRIGATED UNTIL THE SURFACE IS WET.

STORM WATER MANAGEMENT CONTROLS

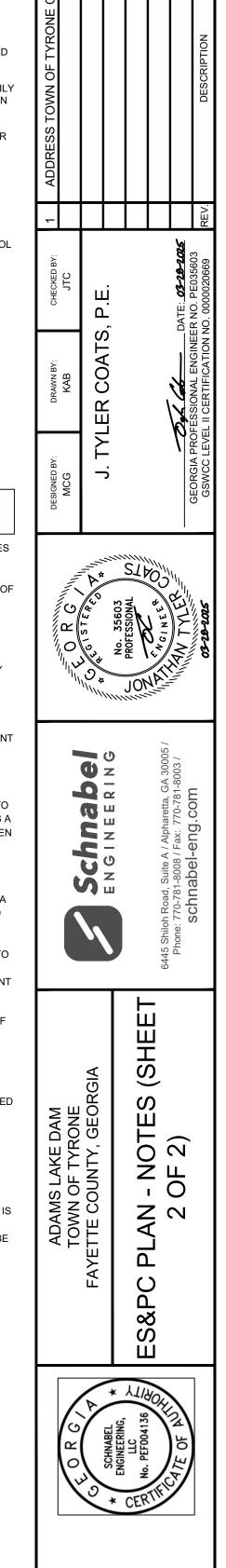
305(b)/303(d) WATERS

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

CATEGORY 4C -DATA INDICATE THAT AT LEAST ONE DESIGNATED USE IS NOT BEING SUPPORTED, BUT THE IMPAIRMENT IS

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.



24-HOUR EROSION CONTROL CONTACT CONTRACTOR (TO BE DETERMINED)

PROJECT NOs.

SCHNABEL: 24170041.000 TOWN OF TYRONE: PW-2024-2

DATE: JANUARY 2025

SHEET 13 OF 14

		GSWC	GSWCC CHECKLIST				
		STAND ALO	EROSION, SEDIMENTATION, & POLLUTION CONTROL PLAN CHECKLIST STAND ALONE CONSTRUCTION PROJECTS				
		SW PROJECT NAME: <u>ADAMS LAKE DAM</u> CITY/COUNTY: <u>TOWN OF TYRONE, GA</u> NAME & EMAIL OF PERSON FILLING OUT CHECK LIST:	DA	DRESS TE ON	5: <u>ADAMS LAKE DRIVE, TOWN OF TYR</u> PLANS: <u>MARCH 28, 2025</u> COATS, P.E. (tcoats@schnabel-eng.com)		
PLAN INCLUDED PAGE # Y/N		TO BE SHOWN ON ES&PC PLAN	PLAN INCLUDED PAGE # Y/N				
<u>14</u> Y	1.	THE APPLICABLE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN CHECKLIST ESTABLISHED BY THE COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED. (THE COMPLETED CHECKLIST MUST BE SUBMITTED WITH THE ES&PC PLAN OR THE PLAN WILL NOT BE REVIEWED)	12 Y	29.	DESCRIPTION AND CHART OR TIMELINE OF FOR THE MAJOR PORTIONS OF THE SITE (I. GRUBBING ACTIVITIES, EXCAVATION ACTIV		
08-14 Y	2.	LEVEL II CERTIFICATION NUMBER ISSUED BY THE COMMISSION, SIGNATURE AND SEAL OF THE CERTIFIED DESIGN PROFESSIONAL. (SIGNATURE, SEAL AND LEVEL II NUMBER MUST BE ON EACH SHEET PERTAINING TO ES&PC PLAN OR THE PLAN WILL NOT BE REVIEWED. THE LEVEL II CERTIFICATION MUST BE ISSED TO THE DESIGN PROFESSIONAL, AFTER COMPLETION OF A GSWCC APPROVED COURSE, AND WHOSE SIGNATURE AND SEAL ARE ON THE PLAN.)	13 Y		PROVIDE COMPLETE REQUIREMENTS OF IN PROVIDE COMPLETE REQUIREMENTS OF S		
12 Y	3.	LIMIT OF DISTURBANCE SHALL BE LESS THAN 50 ACRES AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE GAEPD DISTRICT OFFICE. IF GAEPD APPROVES THE REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME, THE PLAN MUST INCLUDE AT LEAST 4 OF THE BMPS LISTED IN APPENDIX 1 OF THIS CHECKLIST AND THE GAEPD APPROVAL LETTER.* (A COPY OF THE WRITTEN APPROVAL BY GAEPD MUST BE ATTACHED TO THE PLAN FOR	13 Y	33.	PROVIDE COMPLETE DETAILS FOR RETENT DESCRIPTION OF ANALYTICAL METHODS TO LOCATION.*		
08-14 Y	4.	THE PLAN TO BE REVIEWED.) THE NAME AND PHONE NUMBER OF THE 24-HOUR LOCAL CONTACT RESPONSIBLE FOR EROSION, SEDIMENTATION AND POLLUTION CONTROLS.	13 Y		APPENDIX B RATIONALE FOR NTU VALUES DELINEATE ALL SAMPLING LOCATIONS ON AND OTHER WATER BODIES INTO WHICH S		
01 Y	5.	PROVIDE THE NAME, ADDRESS, EMAIL ADDRESS, AND PHONE NUMBER OF PRIMARY PERMITTEE.	08-11 Y	36.	A DESCRIPTION OF APPROPRIATE CONTRO		
12-13 Y	6.	NOTE TOTAL AND DISTURBED ACREAGE OF THE PROJECT OR PHASE UNDER CONSTRUCTION.			SITE INCLUDING: (1) INITIAL SEDIMENT STO GRADING AND DRAINAGE BMPS, AND (3) FII		
12-13 Y	7.	PROVIDE THE GPS LOCATION OF THE CONSTRUCTION EXIT FOR THE SITE. GIVE THE LATITUDE AND LONGITUDE IN DECIMAL DEGREES.			GRADING AND THE INITIAL PERIMETER CON BMPS ARE THE SAME, THE PLAN MAY COMI		
01 Y	8.	INITIAL DATE OF THE PLAN AND THE DATES OF ANY REVISIONS MADE TO THE PLAN INCLUDING THE ENTITY WHO REQUESTED THE REVISIONS.	08-10 Y		GRAPHIC SCALE AND NORTH ARROW.		
01,12 Y	9.	DESCRIPTION OF THE NATURE OF CONSTRUCTION ACTIVITY AND EXISTING SITE CONDITIONS.			THE FOLLOWING:		
01,12 Y	10.	PROVIDE VICINITY MAP SHOWING SITE'S RELATION TO SURROUNDING AREAS. INCLUDE DESIGNATION OF SPECIFIC PHASE, IF NECESSARY.			MAP SCALE GROUND SLO 1 INCH = 100FT or FLAT 0 - 2% LARGER SCALE ROLLING 2 - 8		
13 Y	11.	IDENTIFY THE PROJECT RECEIVING WATERS AND DESCRIBE ALL SENSITIVE ADJACENT AREAS INCLUDING STREAMS, LAKES, RESIDENTIAL AREAS, WETLANDS, MARSHLANDS, ETC. WHICH MAY BE AFFECTED.	N/A N/A	39.	STEEP 8%+		
12 Y	12.	DESIGN PROFESSIONAL'S CERTIFICATION STATEMENT AND SIGNATURE THAT THE SITE WAS VISITED PRIOR TO DEVELOPMENT OF THE ES&PC PLAN AS STATED ON PART IV PAGE 19 OF THE PERMIT.			TO CONVENTIONAL BMPS AS CERTIFIED BY GEORGIA SOIL AND WATER CONSERVATION DOCUMENT FOUND AT www.gaswcc.georgia.g		
12 Y	13.	DESIGN PROFESSIONAL'S CERTIFICATION STATEMENT AND SIGNATURE THAT THE PERMITTEE'S ES&PC PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BMPS AND SAMPLING TO MEET PERMIT REQUIREMENTS AS STATED ON PART IV PAGE 19 OF THE PERMIT.*	N/A N/A	40.	USE OF ALTERNATIVE BMP FOR APPLICATION THE MANUAL FOR EROSION & SEDIMENT CO		
12 Y	14.	CLEARLY NOTE THE STATEMENT THAT "THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT AND CERTIFY THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS WITHIN 7 DAYS AFTER INSTALLATION." IN ACCORDANCE WITH PART IV.A.5 PAGE 25 OF THE PERMIT.*	08-10 Y	41.	DELINEATION OF THE APPLICABLE 25-FOOT ANY ADDITIONAL BUFFERS REQUIRED BY T AREAS OF IMPACT.		
12 Y	15.	CLEARLY NOTE THE STATEMENT THAT "NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25 FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE	08-10 Y		DELINEATION OF ON-SITE WETLANDS AND , SITE. DELINEATION AND ACREAGE OF CONTRIBU		
		WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS."	12 Y		PROVIDE HYDROLOGY STUDY AND MAPS O		
08,12 Y	16.	PROVIDE A DESCRIPTION OF ANY BUFFER ENCROACHMENTS AND INDICATE WHETHER A BUFFER VARIANCE IS REQUIRED.	12 V	45	CONDITIONS.* AN ESTIMATE OF THE RUNOFF COEFFICIEN		
13 Y	17.	CLEARLY NOTE THE STATEMENT THAT "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."*	12 Y	45.	CONSTRUCTION ACTIVITIES ARE COMPLET SHALL BE CALCULATED AS 70% OF TOTALS		
12 Y	18.	CLEARLY NOTE THE STATEMENT THAT "WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT."*	11 Y	46.	STORM-DRAIN PIPE AND WEIR VELOCITIES DISCHARGES WITHOUT EROSION. IDENTIFY		
13 Y	19.	CLEARLY NOTE STATEMENT THAT "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."	08 Y		SOIL SERIES FOR THE PROJECT SITE AND		
13 Y	20.	CLEARLY NOTE STATEMENT THAT "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."	13 Y	49.	PROVIDE A MINIMUM OF 67 CUBIC YARDS C SEDIMENT BASIN, RETROFITTED DETENTIO DRAINAGE LOCATION. SEDIMENT STORAGI DISTURBANCE ACTIVITIES UNTIL FINAL STA		
13 Y	21.	CLEARLY NOTE THE STATEMENT "ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING."			EXPLAINING THE DECISION TO USE EQUIVA INCLUDED IN THE PLAN FOR EACH COMMO WRITTEN JUSTIFICATION AS TO WHY 67 CU		
13 Y	22.	ANY CONSTRUCTION ACTIVITY WHICH DISCHARGES STORM WATER INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF AN BIOTA IMPAIRED STREAM SEGMENT MUST COMPLY WITH PART III. C. OF THE PERMIT. INCLUDE THE COMPLETED APPENDIX 1 LISTING ALL THE BMPS THAT WILL BE USED FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO THE IMPAIRED STREAM SEGMENT.*			WORKSHEETS FROM THE MANUAL MUST B THE DESIGN PROFESSIONAL TO OBTAIN TH WHEN DISCHARGING FROM SEDIMENT BAS OUTLET STRUCTURES THAT WITHDRAW W/ THAT WITHDRAW WATER FROM THE SURF/		
13 Y	23.	IF A TMDL IMPLEMENTATION PLAN FOR SEDIMENT HAS BEEN FINALIZED FOR THE IMPAIRED STREAM SEGMENT (IDENTIFIED IN ITEM 22 ABOVE) AT LEAST SIX MONTHS PRIOR TO SUBMITTAL OF NOI, THE ES&PC PLAN MUST ADDRESS ANY SITE-SPECIFIC CONDITIONS OR REQUIREMENTS INCLUDED IN THE TMDL IMPLEMENTATION PLAN.*	08-10 Y	50.	DECISION MUST BE INCLUDED IN THE PLAN LOCATION OF BEST MANAGEMENT PRACTIC MANUAL FOR EROSION AND SEDIMENT COM		
11-12 Y	24.	BMPS FOR CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND THE REAR OF THE VEHICLES. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.*	11 Y	51.	CHAPTER 6, WITH LEGEND. PROVIDE DETAILED DRAWINGS FOR ALL ST		
12 Y	25.	PROVIDE BMPS FOR THE REMEDIATION OF ALL PETROLEUM SPILLS AND LEAKS.	13 Y		GUIDELINES SET FORTH IN THE MANUAL FO		
11 Y	26.	DESCRIPTION OF THE MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED.*	<u>, , </u>	52.	PROVIDE VEGETATIVE PLAN, NOTING ALL T SPECIES, PLANTING DATES AND SEEDING, SITE SPECIFIC FOR APPROPRIATE TIME OF		
12 Y	27.	DESCRIPTION OF PRACTICES TO PROVIDE COVER FOR BUILDING MATERIALS AND BUILDING PRODUCTS ON SITE.*			GEOGRAPHIC REGION OF GEORGIA. *IF USING THIS CHECKLIST FOR A PROJECT		
11-12 Y	28.	DESCRIPTION OF THE PRACTICES THAT WILL BE USED TO REDUCE THE POLLUTANTS IN STORM WATER DISCHARGES.*			BUT WITHIN 200 FT OF A PERENNIAL STREA		

ONE, GA

TO BE SHOWN ON

THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH DISTURB SOILS .E., INITIAL PERIMETER AND SEDIMENT STORAGE BMPS. CLEARING AND (ITIES, UTILITY ACTIVITIES, TEMPORARY AND FINAL STABILIZATION).

NSPECTIONS AND RECORD KEEPING BY THE PRIMARY PERMITTEE.*

AMPLING FREQUENCY AND REPORTING OF SAMPLING RESULTS.* TION OF RECORDS AS PER PART IV.F. OF THE PERMIT.*

O BE USED TO COLLECT AND ANALYZE THE SAMPLES FROM EACH

AT ALL OUTFALL SAMPLING POINTS WHERE APPLICABLE.

ALL PHASES OF THE PLAN, AND PERENNIAL AND INTERMITTENT STREAMS TORM WATER IS DISCHARGED

OLS AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION RAGE REQUIREMENTS AND PERIMETER CONTROL BMPS. (2) INTERMEDIATE NAL BMPS. FOR CONSTRUCTION SITES WHERE THERE WILL BE NO MASS NTROL BMPS, INTERMEDIATE GRADING AND DRAINAGE BMPS, AND FINAL BINE ALL OF THE BMPS INTO A SINGLE PHASE.*

S WITH CONTOUR LINES DRAWN AT AN INTERVAL IN ACCORDANCE WITH

OPE	CONTOUR INTERVALS, FT
	0.5 or 1
8%	1 or 2
	2, 5, or 10

ORMANCE HAS BEEN DOCUMENTED TO BE EQUIVALENT TO OR SUPERIOR Y A DESIGN PROFESSIONAL (UNLESS DISAPPROVED BY GAEPD OR THE N COMMISSION). PLEASE REFER TO THE ALTERNATIVE BMP GUIDANCE

ION TO THE EQUIVALENT BMP LIST. PLEASE REFER TO APPENDIX A-2 OF ONTROL IN GEORGIA 2016 EDITION.*

T OR 50-FOOT UNDISTURBED BUFFERS ADJACENT TO STATE WATERS AND THE LOCAL ISSUING AUTHORITY. CLEARLY NOTE AND DELINEATE ALL

ALL STATE WATERS LOCATED ON AND WITHIN 200 FEET OF THE PROJECT

JTING DRAINAGE BASINS ON THE PROJECT SITE.

OF DRAINAGE BASINS FOR BOTH THE PRE- AND POST-DEVELOPED

IT OR PEAK DISCHARGE FLOW OF THE SITE PRIOR TO AND AFTER ED. FOR SOLAR FARM PROJECT, POST-CONSTRUCTION IMPERVIOUS AREA SOLAR PANEL SQUARE FOOTAGE.

WITH APPROPRIATE OUTLET PROTECTION TO ACCOMMODATE Y/DELINEATE ALL STORM WATER DISCHARGE POINTS.

THEIR DELINEATION.

HASE OF CONSTRUCTION.

OF SEDIMENT STORAGE PER ACRE DRAINED USING A TEMPORARY N POND AND/OR EXCAVATED IN ET SEDIMENT TRAPS FOR EACH COMMON E VOLUME MUST BE IN PLACE PRIOR TO AND DURING ALL LAND BILIZATION OF THE SITE HAS BEEN ACHIEVED. A WRITTEN JUSTIFICATION ALENT CONTROLS WHEN A SEDIMENT BASIN IS NOT ATTAINABLE MUST BE N DRAINAGE LOCATION IN WHICH A SEDIMENT BASIN IS NOT PROVIDED. A JBIC YARDS OF STORAGE IS NOT ATTAINABLE MUST ALSO BE GIVEN. E INCLUDED FOR STRUCTURAL BMPS AND ALL CALCULATIONS USED BY HE REQUIRED SEDIMENT STORAGE WHEN USING EQUIVALENT CONTROLS. SINS AND IMPOUNDMENTS, PERMITTEES ARE REQUIRED TO UTILIZE ATER FROM THE SURFACE, UNLESS INFEASIBLE. IF OUTLET STRUCTURES ACE ARE NOT FEASIBLE, A WRITTEN JUSTIFICATION EXPLAINING THIS

CES THAT ARE CONSISTENT WITH AND NO LESS STRINGENT THAN THE NTROL IN GEORGIA. USE UNIFORM CODING SYMBOLS FROM THE MANUAL,

TRUCTURAL PRACTICES. SPECIFICATIONS MUST. AT A MINIMUM. MEET THE OR EROSION AND SEDIMENT CONTROL IN GEORGIA.

EMPORARY AND PERMANENT VEGETATIVE PRACTICES. INCLUDE FERTILIZER, LIME AND MULCHING RATES. VEGETATIVE PLAN SHALL BE YEAR THAT SEEDING WILL TAKE PLACE AND FOR THE APPROPRIATE

T THAT IS LESS THAN 1 ACRE AND NOT PART OF A COMMON DEVELOPMENT AM THE * CHECKLIST ITEMS WOULD 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.

F. SPRINGS:

POLLUTANTS.

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.

PERMIT COVERAGE THIS PLAN HAS BEEN PREPARED TO MEET THE REQUIREMENTS UNDER THE STATE OF GEORGIA, DEPARTMENT OF NATURAL RESOURCES, ENVIRONMENTAL PROTECTION DIVISION (GAEDP), GENERAL PERMIT NO. GAR100001 FOR AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FOR COMMON DEVELOPMENTS. MANAGEMENT PRACTICES AND PERMIT VIOLATIONS (PART III.D) BEST MANAGEMENT PRACTICES ARE REQUIRED FOR ALL CONSTRUCTION ACTIVITIES AND MUST BE IMPLEMENTED IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS CONTAINED IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" TO PREVENT OR REDUCE THE POLLUTION OF WATERS OF GEORGIA. PROPER DESIGN. INSTALLATION, AND MAINTENANCE OF BMP'S SHALL CONSTITUTE A COMPLETE DEFENSE TO ANY ACTION BY THE DIRECTOR OR TO ANY OTHER ALLEGATION OF NONCOMPLIANCE WITH PART III.D.3 AND PART III.D.4. FAILURE TO PROPERLY DESIGN, INSTALL, OR MAINTAIN BMP'S SHALL CONSTITUTE A VIOLATION OF THE PERMIT. ROUTINE INSPECTIONS SHALL NOT BE CONSIDERED A VIOLATION. IF DURING THE COURSE OF THE PERMITTEE'S ROUTINE INSPECTIONS BMP FAILURES ARE OBSERVED WHICH HAVE RESULTED IN SEDIMENT DEPOSITION INTO WATERS OF THE STATE, THE PERMITTEE SHALL CORRECT THE BMP FAILURES AND SHALL SUBMIT A SUMMARY OF THE VIOLATIONS TO GAEDP IN ACCORDANCE WITH PART V.A.2 OF THE PERMIT. 3. A DISCHARGE OF STORMWATER RUNOFF FROM DISTURBED AREAS WHERE BMP'S HAVE NOT BEEN PROPERLY DESIGNED. INSTALLED. AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH DISCHARGE RESULTS IN THE TURBIDITY OF RECEIVING WATER(S) BEING INCREASED BY MORE THAN TEN (10) NEPHELOMETRIC TURBIDITY UNITS FOR WATERS CLASSIFIED AS TROUT STREAMS OR MORE THAN TWENTY-FIVE (25) NEPHELOMETRIC TURBIDITY UNITS FOR WATERS SUPPORTING WARM WATER FISHERIES, REGARDLESS OF A PERMITTEE'S CERTIFICATION UNDER PART II.B.1.j. AND PART II.B.3.j. AUTHORIZED DISCHARGES (PART I.C): 1. ALL DISCHARGES OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT WILL RESULT IN LAND DISTURBANCE EQUAL TO OR GREATER THAN ONE ACRE. PART I.C.1.a. ALL DISCHARGES COVERED BY THIS PERMIT SHALL BE COMPOSED ENTIRELY OF STORMWATER EXCEPT AS PROVIDED IN PART I.C.2 AND PART III.A.2 OF THE PERMIT. 3. AUTHORIZED MIXED STORM DISCHARGES: PART I.C.2 A. THE INDUSTRIAL SOURCE OR ACTIVITY OTHER THAN CONSTRUCTION IS LOCATED ON THE SAME SITE AS THE CONSTRUCTION ACTIVITY AND IS AN INTEGRAL PART OF THE CONSTRUCTION ACTIVITY; B. THE STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES ARE OCCURRING ARE IN COMPLIANCE WITH THE TERMS OF THE PERMIT; C. STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE INDUSTRIAL ACTIVITY OTHER THAN CONSTRUCTION ARE OCCURRING ARE COVERED BY A DIFFERENT NPDES ()GENERAL PERMIT OR INDIVIDUAL PERMIT AUTHORIZING SUCH DISCHARGES AND THE DISCHARGES ARE IN COMPLIANCE WITH A DIFFERENT NPDES PERMIT. r 4. THE FOLLOWING NON-STORMWATER DISCHARGES MAY BE AUTHORIZED BY THE PERMIT PROVIDED THE NON-STORMWATER COMPONENT OF THE DISCHARGE IS EXPLICITLY IN THE PLAN AND IS IN COMPLIANCE WITH PART IV D 7[.] PART III A 2 A. FIRE FIGHTING ACTIVITIES; B. FIRE HYDRANT FLUSHING; C. POTABLE WATER SOURCES INCLUDING WATER LINE FLUSHING: D IRRIGATION DRAINING E. AIR CONDITIONING CONDENSATE; G. UNCONTAMINATED GROUND WATER; AND H. FOUNDATION OR FOOTING DRAINS WHERE THE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS OR LIMITATIONS ON COVERAGE PART I.C.3 THE FOLLOWING STORMWATER DISCHARGES FROM CONSTRUCTION SITES ARE NOT AUTHORIZED BY THIS PERMIT: A. STORMWATER DISCHARGES ASSOCIATED WITH AN INDUSTRIAL ACTIVITY THAT ORIGINATE FROM THE SITE AFTER. CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION; B. DISCHARGES THAT ARE MIXED WITH SOURCES OF NON-STORMWATER OTHER THAN DISCHARGES WHICH ARE IDENTIFIED IN PART III.A.2. OF THIS PERMIT AND WHICH ARE IN COMPLIANCE WITH PART IV.D.7. (NON-STORMWATER DISCHARGES) OF THIS PERMIT C. STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY THAT ARE SUBJECT TO AN EXISTING NPDES INDIVIDUAL OR GENERAL PERMIT. SUCH DISCHARGES MAY BE AUTHORIZED UNDER THIS PERMIT AFTER AN EXISTING PERMIT EXPIRES PROVIDED THE EXISTING PERMIT DID NOT ESTABLISH NUMERIC LIMITATIONS FOR SUCH DISCHARGES AND D. STORMWATER DISCHARGES FROM CONSTRUCTION SITES THAT THE DIRECTOR (GAEDP) HAS DETERMINED TO BE OR MAY REASONABLY BE EXPECTED TO BE CONTRIBUTING TO A VIOLATION OF A WATER QUALITY STANDARD. COMPLIANCE WITH WATER QUALITY PART I.C.4 NO DISCHARGES AUTHORIZED BY THIS PERMIT SHALL CAUSE VIOLATIONS OF GEORGIA'S IN-STREAM WATER QUALITY STANDARDS AS PROVIDED BY THE RULES AND REGULATIONS FOR WATER QUALITY CONTROL, CHAPTER 391-3-6-.03. **U**z **Q** ~ **DD** N E E S PROJECT NOs.: SCHNABEL: 24170041.000 TOWN OF TYRONE: PW-2024-2

24-HOUR EROSION CONTROL CONTACT CONTRACTOR (TO BE DETERMINED)

DATE: JANUARY 2025

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