

SHEET INDEX	
No.	DESCRIPTION
C1.1	COVER SHEET
C2.1	EROSION CONTROL PLAN - INITIAL PHASE
C3.1	EROSION CONTROL PLAN - INTERMEDIATE PHASE
C4.1	EROSION CONTROL PLAN - FINAL PHASE
C5.1	EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES
C6.1-3	EROSION CONTROL DETAILS

LEGEND:			
	EXIST. POWER POLE		RCP REINFORCED CONCRETE PIPE
	EXIST. POWER POLE W/ W/ WIRE		CMP CORRUGATED METAL PIPE
	EXIST. LIGHT STANDARD		PVC POLYVINYL CHLORIDE PIPE
	EXIST. ELECTRO BOX/TRANSFORMER		DIP DUCTILE IRON PIPE
	EXIST. WATER METER		HDPE HIGH DENSITY POLYETHYLENE
	EXIST. WATER VALVE		INV. INVERT
	EXIST. UNKNOWN UTILITY STRUCTURE		THT. THROAT
	EXIST. TELEPHONE MONUMENT		CONC. CONCRETE
	EXIST. TELEPHONE BOX		C&G CURB & GUTTER
	EXIST. GAS METER		ADA AMERICANS WITH DISABILITIES ACT
	EXIST. GAS VALVE		SS NEW SANITARY SEWER LINE
	EXIST. SANITARY SEWER MANHOLE		CHW NEW CHILLED WATER LINE
	EXIST. CLEAN OUT		STM NEW STEAM WATER LINE
	EXIST. JUNCTION BOX/STORM SEWER MANHOLE		F NEW FIRE LINE
	EXIST. CATCH BASIN		W NEW WATER LINE
	EXIST. DROP INLET		GL NEW GAS LINE
	EXIST. STORM SEWER LINE		SS NEW STORM SEWER
	EXIST. FLARED END SECTION		GV NEW GATE VALVE
	EXIST. YARD INLET		NFH NEW FIRE HYDRANT
	EXIST. SANITARY SEWER LINE		NDI NEW DROP INLET
	EXIST. OVERHEAD POWER LINE		NHW NEW HEADWALL
	EXIST. OVERHEAD TELEPHONE LINE		NCB NEW CATCH BASIN
	APR. LOC. UNDERGROUND POWER LINE		NMH NEW MANHOLE
	APR. LOC. UNDERGROUND TELEPHONE LINE		NCL NEW CLEANOUT
	APR. LOC. UNDERGROUND GAS LINE		SE NEW SPOT ELEVATION
	APR. LOC. UNDERGROUND CHILLED WATER LINE		CO NEW CONTOUR
	APR. LOC. UNDERGROUND STEAM WATER LINE		SSID STORM STRUCTURE IDENTIFICATION
	EXIST. FENCE LINE (AS NOTED)		SSSID SANITARY STRUCTURE IDENTIFICATION
	EXIST. SIGN (AS NOTED)		NAP NEW ASPHALT PAVEMENT
	EXIST. TREE (AS NOTED)		NCS NEW CONCRETE SIDEWALK
	TEMPORARY BENCHMARK (TBM)		NCP NEW CONCRETE PAVEMENT
	CONCRETE MONUMENT FOUND		HDA NEW HEAVY DUTY ASPHALT PAVEMENT
	PROPERTY CORNER		EPG EXISTING PAVEMENT C&G TO BE REMOVED
	FIELD LOCATED PIN (AS NOTED)		STR/ITM STRUCTURES/ITEMS TO BE REMOVED
	EXIST. SPOT ELEVATION		TDA TRAFFIC DIRECTION ARROWS (FOR INFORMATION ONLY)
	IPRS IRON PIN SET (1/2" REBAR)		NAS NEW ADA ACCESSIBLE SYMBOL
	IPF IRON PIN FOUND		
	P.O.B. POINT OF BEGINNING		
	R.O.W. RIGHT-OF-WAY		
	N.F. NOW OR FORMERLY		
	BSL BUILDING SETBACK LINE		
	D.B. DEED BOOK		
	P.G. PAGE		
	T.C. TOP OF CURB		
	B.C. BOTTOM OF CURB		

APPROXIMATE CONSTRUCTION SCHEDULE												
ACTIVITY	TIME (WEEKS)											
	1	2	3	4	5	6	7	8	9	10	11	12
INSTALL TREE PROTECTION MEASURES												
INSTALL CONSTRUCTION EXIT, SEDIMENT BARRIERS & OTHER PERIMETER CONTROLS												
INSTALL CONSTRUCTION PATH TO LAKE												
DREDGE LAKE & STOCKPILE OF MATERIAL FOR DRYING												
REMOVAL OF DRY MATERIAL												
CONSTRUCTION OF GARBAGE BASKETS												
FINAL GRADING OF STOCKPILE AREA												
TEMPORARY STABILIZATION / LANDSCAPING												
PERMANENT STABILIZATION / LANDSCAPING												
REMOVAL OF EROSION & SEDIMENT CONTROL MEASURES												
MAINTENANCE OF EROSION CONTROL MEASURES												
MAINTENANCE OF TREE PROTECTION MEASURES												

APPROXIMATE PROJECT START DATE: 11/01/2023  
APPROXIMATE PROJECT COMPLETION DATE: 02/01/2024



**GENERAL NOTES:**

- Information regarding the reputed presence, size, character and location of existing underground utilities and structures is shown hereon. There is no certainty of the accuracy of this information and it shall be considered in that light by those using this drawing. The location and arrangement of underground utilities and structures shown hereon may be inaccurate and utilities and structures not shown may be encountered. The owner, his employees, his consultants and his contractors shall hereby distinctly understand that the surveyor is not responsible for the correctness or sufficiency of this information.
- All pipe lengths are scaled lengths from center of structure. Contractor shall verify prior to ordering pipe.
- All dimensions are to face of curb, face of building, or center of structure, unless otherwise noted.
- All curb radii are 5' unless otherwise noted.
- Contractor shall verify the location of all utilities. Contractor shall have all utilities flagged with invert elevations prior to construction. Notify engineer of all discrepancies or additional utilities encountered.
- There are wetlands located on the site.
- All construction shall conform to the city of JOHNS CREEK and FULTON COUNTY and/or Georgia D.O.T. Standards and Specifications.
- All non-paved disturbed areas to be seeded with material suitable to season and to be maintained until stabilized.
- Notify Inspector 24 hours prior to construction at (404) 371-2117.
- All junction boxes to have ring and cover access.
- Project Benchmark: Nail set on Holly Trail Ln, ELEV = 925.61 FT
- No parking, storage, or other construction site activities are to occur within tree protection areas.
- No bury pits are proposed for this site.
- Approach street addresses shall be provided for new building so that the number of address is plainly visible & legible from the street.
- Boundary & Topographic information shown hereon has been taken from a Topographic & Utility Survey for River Glen HOA, prepared by Travis Pruitt & Associates Inc, dated: 03/15/2023.

**EROSION CONTROL NOTES:**

- Silt fence must meet the requirements of Section 171 - Temporary Silt Fence, of the Department of Transportation, State of Georgia, Standard Specifications, latest edition.
- Additional erosion control measures will be employed where determined necessary by actual site conditions.
- Provisions to prevent erosion of soil from the site shall be, as minimum, in conformance with the requirements of the City/County/State Erosion and Sedimentation Ordinance and the City/County/State Code of Laws dealing with erosion and sedimentation.
- Prior to any other construction, a stabilized construction entrance shall be constructed at each point of entry to or exit from the site.
- The construction exits shall be maintained in a condition which will prevent tracking or flow of mud onto Public right of way. This may require periodic top dressing with stone, as conditions demand, and repair and/or cleanout of any structures used to trap sediment. All materials spilled, dropped, washed, or tracked from vehicle or site onto Public roadway or into storm drain must be removed immediately.
- Prior to commencing land disturbance activity, the limits of Land Disturbance shall be clearly and accurately demarcated with stakes, ribbons, or other appropriate means. The location and extent of all authorized land disturbance activity shall be demarcated for the duration of the construction activity. No Land Disturbance shall occur outside the approved limits indicated on the approved plans.
- Immediately after the establishment of construction entrances/exits, all perimeter erosion control devices and storm water management devices shall be installed prior to any other construction.
- The Owner agrees to provide and maintain off-street parking on the subject property during the entire construction period.
- The Contractor shall furnish and maintain all necessary barricades while roadway frontage improvements are being made.
- The construction of the site will initiate with the installation of erosion control measures sufficient to control sediment deposits and erosion. All sediment control will be maintained until all upstream ground within the construction area has been completely stabilized with permanent vegetation and all roads/driveways have been paved.
- Erosion control devices shall be installed immediately after ground disturbance occurs. The location of some of the erosion control devices may have to be altered from that shown on the approved plans if drainage patterns during construction are different from the final proposed drainage patterns. It is the Contractor's responsibility to accomplish erosion control for all drainage patterns created at various stages during construction. Any difficulty in controlling erosion during any phase of construction shall be reported to the Engineer immediately.
- All silt barriers must be placed as access is obtained during clearing. No grading shall be done until silt barrier installation and detention facilities are constructed.
- The Contractor shall maintain all erosion control measures until permanent vegetation has been established. The Contractor shall clean out all sediment ponds when required by the Project Engineer or City/County/State Inspector. The Contractor shall inspect erosion control measures at the end of each working day to insure measures are functioning properly.
- The Contractor shall remove accumulated silt when the silt is within one-third of the height of the silt fence utilized for erosion control. In the detention pond, silt shall be removed when the storage volume has been reduced by one-third.
- Failure to install, operate or maintain all erosion control measures will result in all construction being stopped on the job site until such measures are corrected back to City/County/State Standards.
- All construction shall conform to City/County/State Standards and Specifications, whether or not the review comments were made.
- A copy of the approved land disturbance plan and permit shall be present on the site whenever land disturbance activity is in progress.
- All sewer easements disturbed must be dressed and grassed to control erosion.
- All open swales must be grassed, and rip-rap must be placed as required to control erosion. A minimum of 4.5 square yards of 50-lb stones shall be placed at all downstream headwalls. The placement of rip-rap at the downstream headwalls shall be placed immediately upon the installation of pipes and drainage ditches.
- Silt barriers to be placed at downstream toe of all cut and fill slopes.
- Provide silt gates at all inlet headwalls.
- Provide sediment traps at all catch basins, junction boxes, manholes, and drop inlets.
- Any disturbed area left exposed for a period greater than 7 days shall be stabilized with temporary seeding.
- When any construction borders a drainage course:
  - The Contractor is responsible for removing any building or other excavation spoil dirt, construction trash or debris, etc. from the drainage areas shown hereon in an expeditious manner as construction progresses.
  - The Contractor hereby agrees to stop all work and restore these areas immediately upon notification by the City/County/State Inspector and/or the Professional Engineer.
  - Upon completion of restoration, a professional engineer shall certify in writing to the Development Department that all clean up is complete and the drainage course restored to original conditions and grade.
- Approved plans and NPDES daily logs must be onsite at all times.
- The primary permittee must retain the design professional who prepared the Erosion, Sedimentation and Pollution control plan, except when the primary permittee has requested in writing and EFD has agreed to an alternate design within seven (7) days after initial construction activities commence. The design professional shall determine if these BMPs have been installed and are being maintained as designed. The design professional shall report the results of the inspection to the primary permittee within seven (7) days and the permittee must correct all deficiencies within two (2) business days of receipt of the inspection report from the design professional unless weather related site conditions are such that additional time is required.
- Amendments / Revisions to ESDCP which have significant effect on BMPs with Hydraulic component must be certified by the design professional.
- "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
- "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."
- "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."

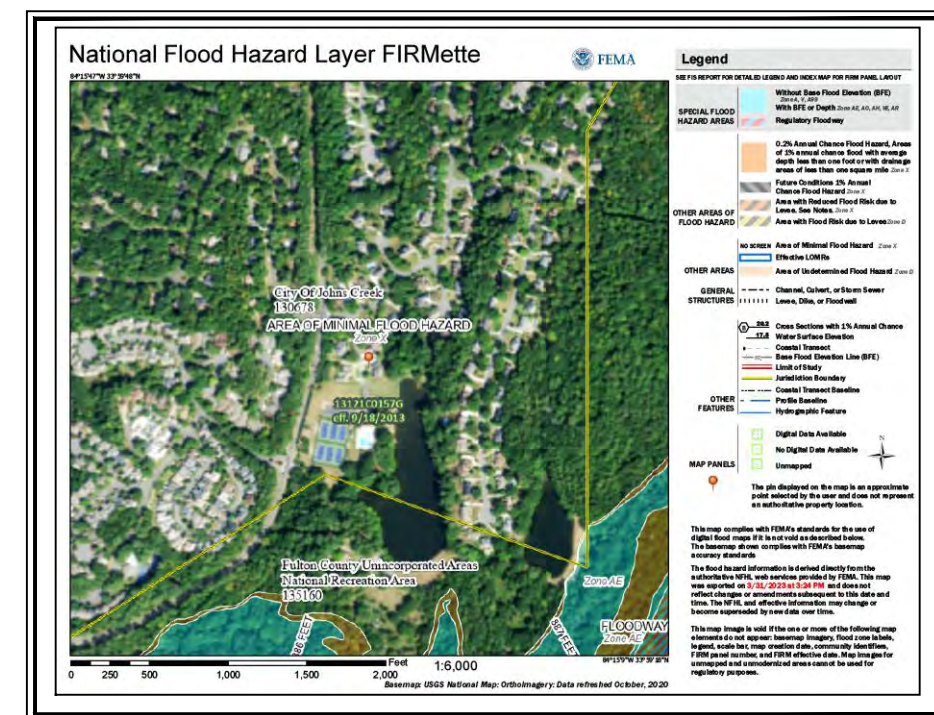
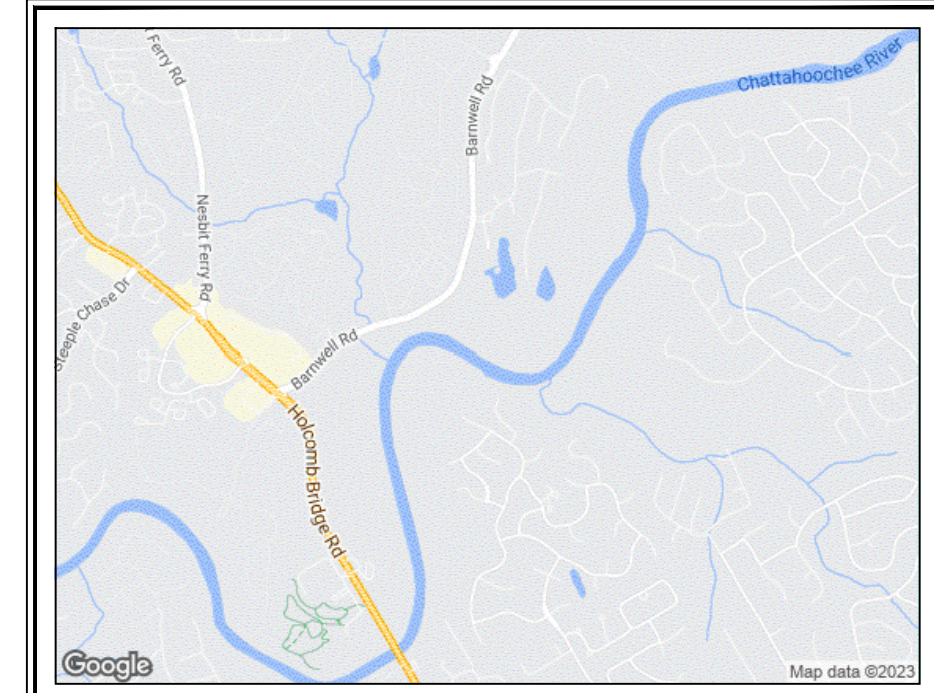
# EROSION CONTROL PLANS

## FOR

# RIVER GLEN DREDGING

## 3441 & 3443 HOLLY TRAIL LANE

DEVELOPMENT PERMIT NO: LDP-23-0036  
TAX PARCEL ID: 11 012000010076 and 11 012000230096



**OWNER / DEVELOPER**  
**River Glen HOA**  
3430 Holly Trail Lane  
Johns Creek, GA 30022  
770-481-0044

**24 HOUR EMERGENCY CONTACT**  
Jerry McFadden  
678-372-5874  
E-mail: jmcfadden@apexsystems.com

**TAX PARCEL ID: 11 012000010076 and 11 012000230096**

**SITE AREA: 19.95 ACRES**

**DISTURBED AREA: ±0.36 ACRES**

**SITE ZONING: R-4 (1980Z-0080) and TR (1985Z-0144)**

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.

Andrew G. Blakey, P.E. Date: 10/9/23  
GA SWCC LEVEL II CERTIFICATION NO.: 0000015198  
FOR THE FIRM - TRAVIS PRUITT & ASSOCIATES, INC.

PREPARED BY: Andrew G. Blakey  
GA SWCC LEVEL II CERTIFICATION NO.: 0000015198  
EXPIRATION DATE: 08/19/2024

FLOOD HAZARD NOTE:  
THIS PROPERTY DOES NOT LIE WITHIN A 100 YEAR FLOOD HAZARD ZONE AS DEFINED BY THE F.E.M.A. FLOOD INSURANCE RATE MAP OF FULTON COUNTY COUNTY, GEORGIA COMMUNITY PANEL NUMBER 135160, DATED 09-18-2013.

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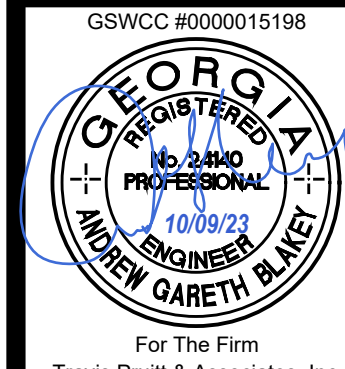
4317 Park Drive, Suite 400  
Norcross, Georgia 30093  
Phone: (770) 416-7511  
Fax: (770) 416-6759  
www.travispruit.com  
CONTACT PERSON: ANDREW G. BLAKEY, P.E.  
e-mail: andrew@travispruit.com



COVER SHEET

**RIVER GLEN DREDGING**

3441 & 3443 HOLLY TRAIL LANE LAND LOT 23 1ST DISTRICT 1ST SECTION JOHNS CREEK FULTON COUNTY, GEORGIA

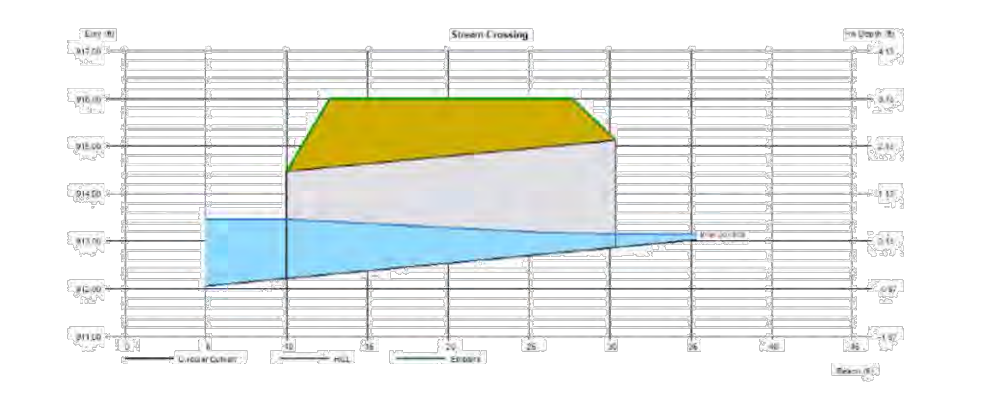
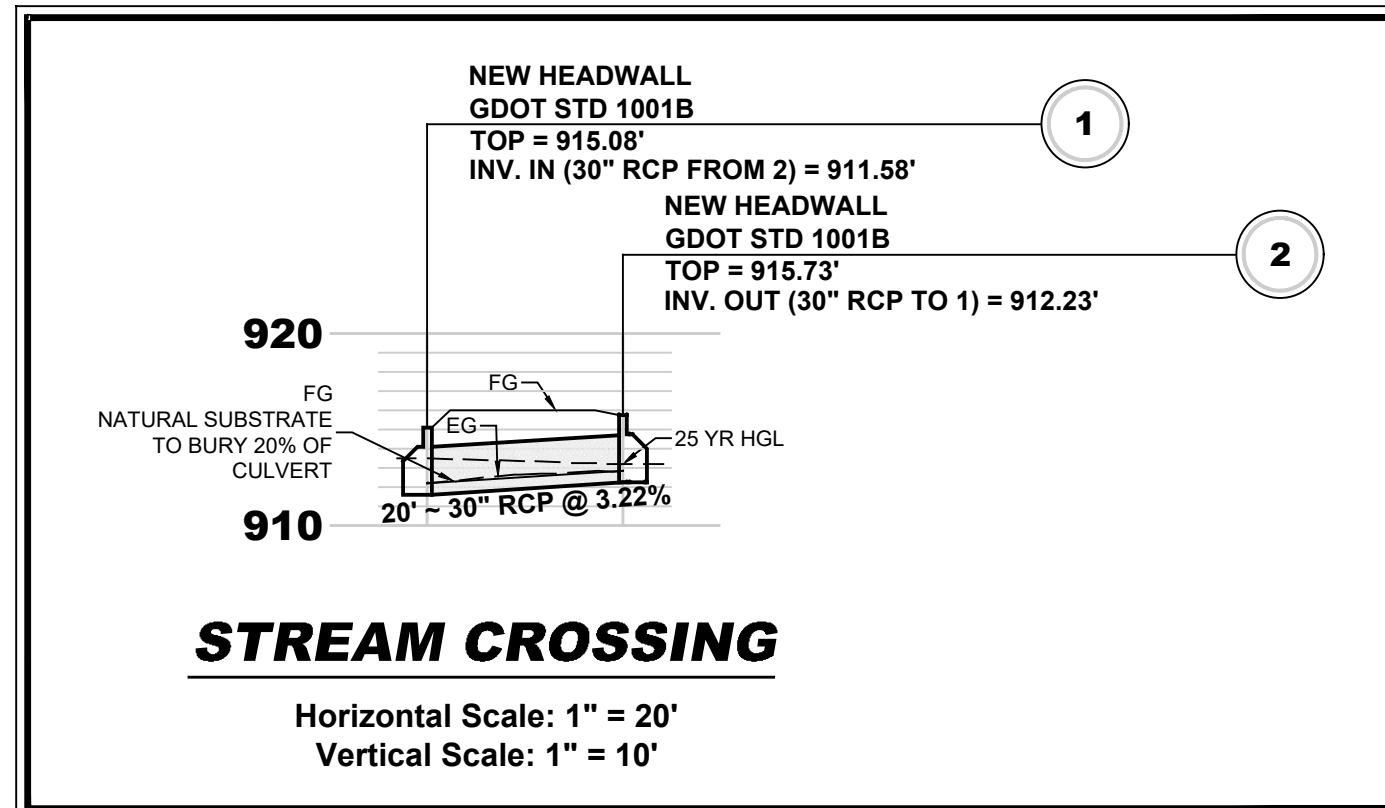


DATE: 04-11-2023  
SCALE: N/A  
CN: 230128CV  
JN: 1-23-0128  
FN: 170-D-196  
SHEET NO: C1.1



**Culvert Report**  
HydroFlow Express Extension for Autodesk/Cad 1006 by Autodesk, Inc. Friday, May 19 2023

Stream Crossing		Calculations	
Invert Elev Dn (ft)	= 912.22	Qmin (cfs)	= 0.00
Pipe Length (ft)	= 20.33	Qmax (cfs)	= 11.58
Slope (%)	= 3.20	Tailwater Elev (ft)	= (60-D)/2
Invert Elev Up (ft)	= 912.87		
Rise (in)	= 27.0		
Shape	= Circular		
Span (in)	= 27.0		
No. Barrels	= 1		
n-Value	= 0.012		
Culvert Type	= Circular Concrete		
Coeff. K <sub>m,c,y,k</sub>	= 0.0096, 2.0, 0.0396, 0.67, 0.5		
<b>Embankment</b>		<b>Highlighted</b>	
Top Elevation (ft)	= 916.00	Qtotal (cfs)	= 0.50
Top Width (ft)	= 15.00	Opipe (cfs)	= 0.50
Crest Width (ft)	= 21.34	Covertop (cfs)	= 0.00
		Veloc Dn (ft/s)	= 0.22
		Veloc Up (ft/s)	= 2.27
		HGL Dn (ft)	= 913.46
		HGL Up (ft)	= 913.10
		Hw Elev (ft)	= 913.15
		Hw/D (ft)	= 0.12
		Flow Regime	= Inlet Control



**OWNER / DEVELOPER**  
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3430 Holly Trail Lane  
Johns Creek, GA 30022  
770-481-0044  
E-mail: jmcadden@apexsystems.com

**24 HOUR EMERGENCY CONTACT**  
Jerry McFadden  
678-372-5874  
E-mail: jmcadden@apexsystems.com

**DISTURBED AREA: ±0.36 ACRES**

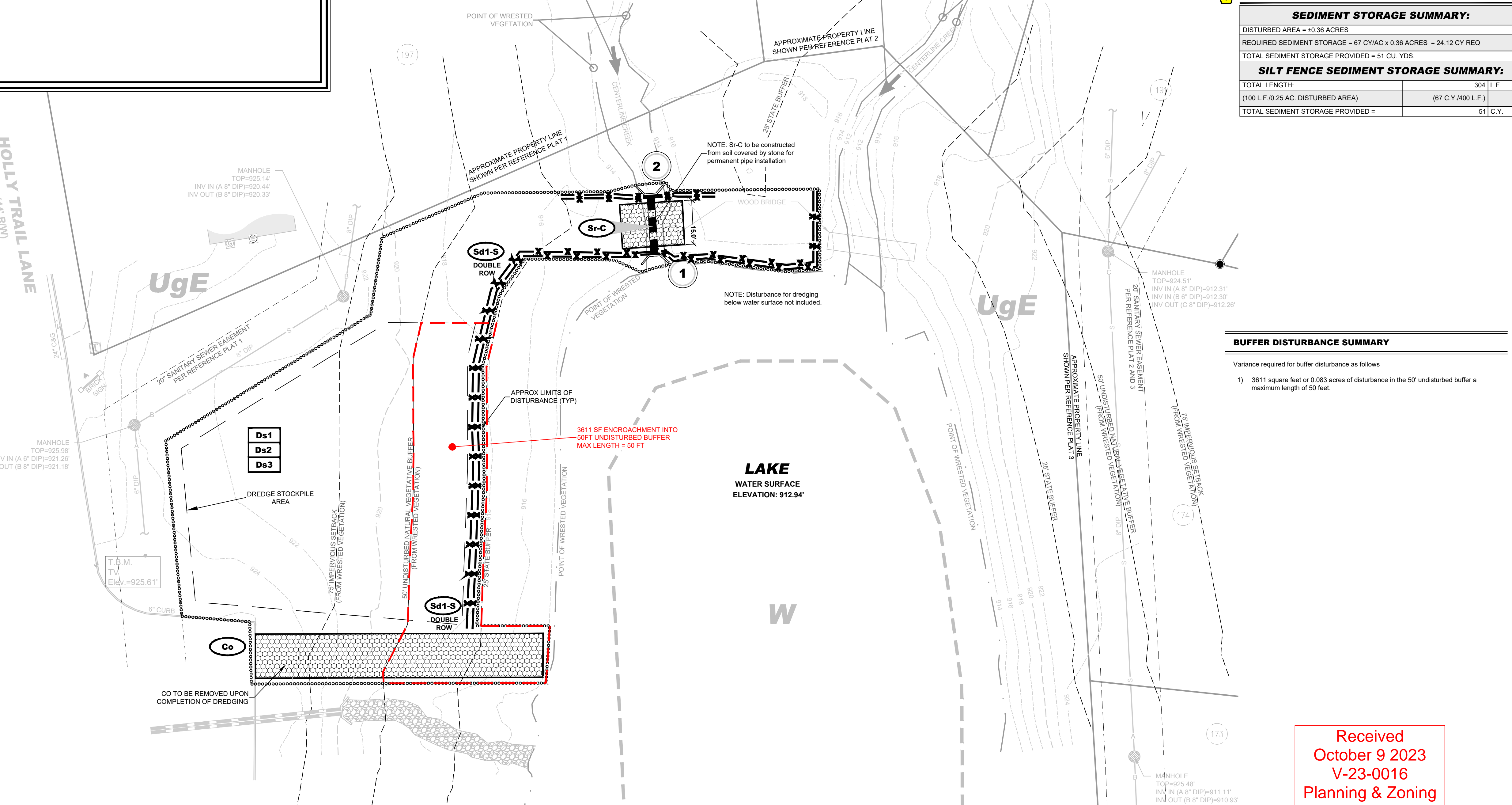
**SEDIMENT STORAGE SUMMARY:**  
DISTURBED AREA = ±0.36 ACRES  
REQUIRED SEDIMENT STORAGE = 67 CY/AC x 0.36 ACRES = 24.12 CY REQ  
TOTAL SEDIMENT STORAGE PROVIDED = 51 CU. YDS.

**SILT FENCE SEDIMENT STORAGE SUMMARY:**

TOTAL LENGTH:	304 L.F.
(100 L.F./0.25 AC. DISTURBED AREA)	(67 C.Y./400 L.F.)
TOTAL SEDIMENT STORAGE PROVIDED =	51 C.Y.

**EROSION CONTROL LEGEND**

GASWCC CODE	SYMBOL	DESCRIPTION
Cd-S	[Symbol]	STONE CHECK DAM
Co	[Symbol]	CONSTRUCTION EXIT
Cd-Hb	[Symbol]	HAYBALE CHECK DAM
Dc-X	[Symbol]	STREAM DIVERSION CHANNEL
Di	[Symbol]	DIVERSION
Dn1	[Symbol]	TEMPORARY DOWNDRAIN STRUCTURE
Fr	[Symbol]	FILTER RING
Lv	[Symbol]	LEVEL SPREADER
Rd	[Symbol]	ROCK FILTER DAM
Rt-P	[Symbol]	RETROFITTING (PERFORATED HALF-ROUND PIPE WITH STONE FILTER)
Sd1-S	[Symbol]	SILT FENCE - SENSITIVE AREAS
Sd2-Bg	[Symbol]	BLOCK AND GRAVEL DROP INLET PROTECTION
Sd2-F	[Symbol]	INLET SEDIMENT TRAP WITH SUPPORTING FRAME
Sd2-P	[Symbol]	CURB INLET PROTECTION
Sd3	[Symbol]	TEMPORARY SEDIMENT BASIN
Sk	[Symbol]	FILTER SURFACE SKIMMER
Sr-C	[Symbol]	TEMPORARY CULVERT CROSSING
St	[Symbol]	STORM DRAIN OUTLET PROTECTION
Su	[Symbol]	SURFACE ROUGHENING
Tp	[Symbol]	TOPSOILING
Tr	[Symbol]	TREE SAVE FENCE
N/A	[Symbol]	LIMITS OF CLEARING / CONSTRUCTION
N/A	[Symbol]	STREAM BUFFER
N/A	[Symbol]	STREAM CENTERLINE
N/A	[Symbol]	100 YEAR PONDING LIMITS



**BUFFER DISTURBANCE SUMMARY**

Variance required for buffer disturbance as follows

- 3611 square feet or 0.083 acres of disturbance in the 50' undisturbed buffer a maximum length of 50 feet.

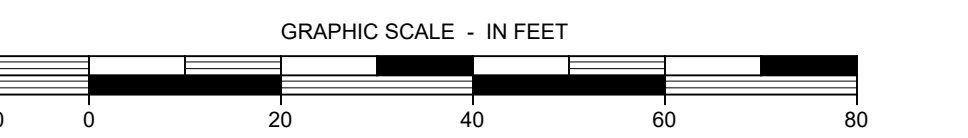
**EROSION CONTROL LEGEND**

GASWCC CODE	SYMBOL	DESCRIPTION
Ds1	[Symbol]	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Ds2	[Symbol]	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
Ds3	[Symbol]	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)
Ds4	[Symbol]	DISTURBED AREA STABILIZATION (WITH SODDING)
Ss	[Symbol]	SLOPE STABILIZATION
Du	[Symbol]	DUST CONTROL ON DISTURBED AREAS

**SOIL CLASSIFICATION LEGEND**

SOIL SYMBOL	SOIL NAME	DEPTH (in) OR SOIL TYPE	SOIL TEXTURE	PERMEABILITY	EROSION FACTORS K T
W	Water				
UgE	Urban land-Grover-Mountain Park Complex, 10 to 25 percent slopes, stony	0 to 4 4 to 11 11 to 14 14 to 25 25 to 31 31 to 80	sandy loam sandy loam sandy loam sandy clay loam sandy loam sandy loam	0.57 to 1.98 in/hr	

Received  
October 9 2023  
V-23-0016  
Planning & Zoning



PREPARED BY: Andrew G. Blakey  
GSWCC LEVEL II CERTIFICATION No.: 0000015198  
EXPIRATION DATE: 08/19/2024

NOTE: ALL REQUIRED BUFFERS WILL BE CLEARLY DELINEATED AND FLAGGED BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY.

NOTE: SEE ADDITIONAL NOTES SHEET FOR GENERAL NOTES.

NOTE: THIS SHEET FOR EROSION CONTROL PURPOSES ONLY

NOTE: CONSTRUCTION ENTRANCE IS LOCATED AT THE FOLLOWING LOCATION: LAT: 33°59'31.2" N; LONG: -84°15'27.7" W

NOTE: CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES. CONTRACTOR SHALL HAVE ALL UTILITIES FLAGGED WITH INVERT ELEVATIONS PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY/ALL DISCREPANCIES OR ADDITIONAL UTILITIES ENCOUNTERED.

NOTE: ALL WETLANDS OR STATE WATERS ON OR WITHIN 200 FEET OF THIS PROJECT HAVE BEEN DELINEATED.

NOTE: ALL CURB RADII ARE 5 FT. UNLESS OTHERWISE NOTED.

NOTE: THE RECEIVING WATERS CONSIST OF THE UNNAMED TRIBUTARY TO CHATTAHOOCHEE RIVER, LOCATED ON SITE.

NOTE: THERE ARE STATE WATERS ON THE SITE.

NOTE: THERE ARE NO WETLANDS ON THE SITE.

FLOOD HAZARD NOTE:  
THIS PROPERTY DOES NOT LIE WITHIN A 100 YEAR FLOOD HAZARD ZONE AS DEFINED BY THE F.E.M.A. FLOOD INSURANCE RATE MAP OF FULTON COUNTY GEORGIA COMMUNITY PANEL NUMBER 135160, DATED 09-18-2013.

INFORMATION REGARDING THE REPUTED PRESENCE, SIZE, CHARACTER AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES IS SHOWN HEREON. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION AND IT SHALL BE CONSIDERED IN THAT LIGHT BY THOSE USING THIS DRAWING. THE LOCATION AND ARRANGEMENT OF UNDERGROUND UTILITIES AND STRUCTURES SHOWN HEREON MAY BE INACCURATE AND UTILITIES AND STRUCTURES NOT SHOWN MAY BE ENCOUNTERED. THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS AND HIS CONTRACTORS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE SURVEYOR IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION.



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**EROSION CONTROL PLAN - INITIAL PHASE**

**RIVER GLEN DREDGING**

3441 & 3443 HOLLY TRAIL LANE LAND LOT 23 1ST DISTRICT 1ST SECTION JOHNS CREEK FULTON COUNTY, GEORGIA

4317 Park Drive, Suite 400  
Norcross, Georgia 30093  
Phone: (770) 416-7511  
Fax: (770) 416-6759  
www.travispruitt.com  
CONTACT PERSON: ANDREW G. BLAKEY, P.E.  
e-mail: andrew@travispruitt.com

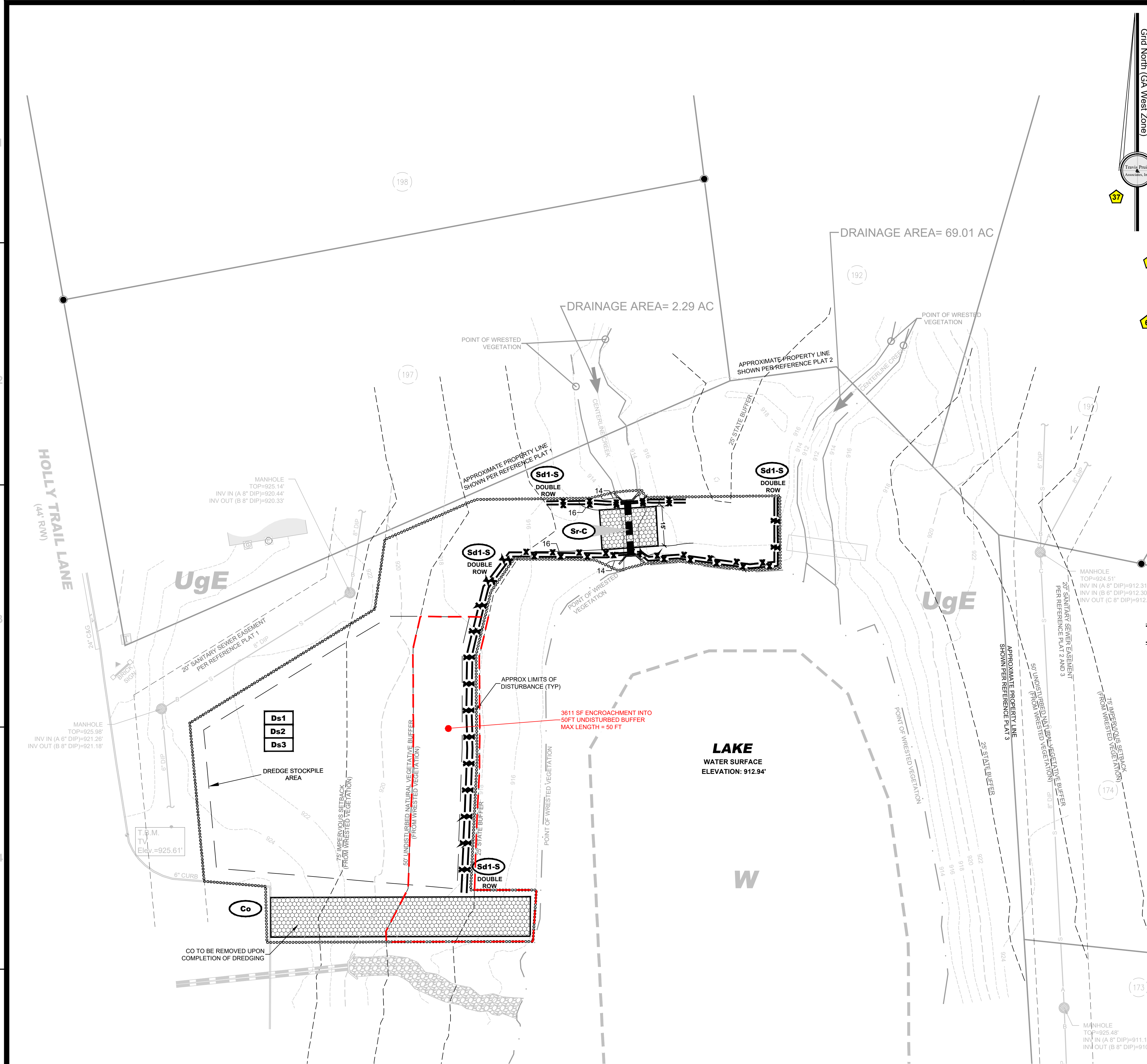
Travis Pruitt & Associates, Inc.  
LANDSCAPE ARCHITECT

GSWCC No. 15198  
Professional Engineer  
Andrew Gareth Blakey

For The Firm  
Travis Pruitt & Associates, Inc.

DATE: 04-11-2023  
SCALE: 1" = 20'  
CN: 230128PN  
JN: 1-23-0128  
FN: 170-D-196  
SHEET NO: C2.1





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**River Glen HOA**  
 3430 Holly Trail Lane  
 Johns Creek, GA 30022  
 770-481-0044  
 E-mail: jmcadden@apexsystems.com

**24 HOUR EMERGENCY CONTACT**  
 Jerry McFadden  
 678-372-5874  
 E-mail: jmcadden@apexsystems.com

**DISTURBED AREA: ±0.36 ACRES**

**SEDIMENT STORAGE SUMMARY:**  
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N/A	[Symbol]	STREAM CENTERLINE
N/A	[Symbol]	100 YEAR PONDING LIMITS

**VEGETATIVE MEASURES**

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Ds3	[Symbol]	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)
Ds4	[Symbol]	DISTURBED AREA STABILIZATION (WITH SODDING)
Ss	[Symbol]	SLOPE STABILIZATION
Du	[Symbol]	DUST CONTROL ON DISTURBED AREAS

**BUFFER DISTURBANCE SUMMARY**

Variance required for buffer disturbance as follows:

- 3611 square feet or 0.083 acres of disturbance in the 50' undisturbed buffer a maximum length of 50 feet.

PREPARED BY: Andrew G. Blakey  
 GSWCC LEVEL II CERTIFICATION No.: 0000015198  
 EXPIRATION DATE: 08/19/2024

NOTE: ALL REQUIRED BUFFERS WILL BE CLEARLY DELINEATED AND FLAGGED BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY.

NOTE: SEE ADDITIONAL NOTES SHEET FOR GENERAL NOTES.

NOTE: THIS SHEET FOR EROSION CONTROL PURPOSES ONLY.

NOTE: CONSTRUCTION ENTRANCE IS LOCATED AT THE FOLLOWING LOCATION: LAT: 33°59'31.2" N; LONG: -84°15'27.7" W

NOTE: CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES. CONTRACTOR SHALL HAVE ALL UTILITIES FLAGGED WITH INVERT ELEVATIONS PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY/ALL DISCREPANCIES OR ADDITIONAL UTILITIES ENCOUNTERED.

NOTE: ALL WETLANDS OR STATE WATERS ON OR WITHIN 200 FEET OF THIS PROJECT HAVE BEEN DELINEATED.

NOTE: ALL CURB RADII ARE 5 FT. UNLESS OTHERWISE NOTED.

NOTE: THE RECEIVING WATERS CONSIST OF THE UNNAMED TRIBUTARY TO CHATTAHOOCHEE RIVER, LOCATED ON SITE.

NOTE: THERE ARE STATE WATERS ON THE SITE.

NOTE: THERE ARE NO WETLANDS ON THE SITE.

FLOOD HAZARD NOTE:  
 THIS PROPERTY DOES NOT LIE WITHIN A 100 YEAR FLOOD HAZARD ZONE AS DEFINED BY THE F.E.M.A. FLOOD INSURANCE RATE MAP OF FULTON COUNTY GEORGIA COMMUNITY PANEL NUMBER 135160, DATED 09-18-2013.

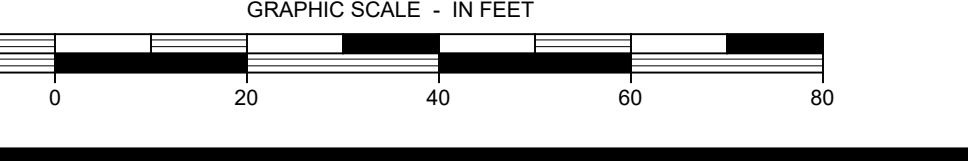
INFORMATION REGARDING THE REPUTED PRESENCE, SIZE, CHARACTER AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES IS SHOWN HEREON. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION AND IT SHALL BE CONSIDERED IN THAT LIGHT BY THOSE USING THIS DRAWING. THE LOCATION AND ARRANGEMENT OF UNDERGROUND UTILITIES AND STRUCTURES SHOWN HEREON MAY BE INACCURATE AND UTILITIES AND STRUCTURES NOT SHOWN MAY BE ENCOUNTERED. THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS AND HIS CONTRACTORS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE SURVEYOR IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION.

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**SOIL CLASSIFICATION LEGEND**

SOIL SYMBOL	SOIL NAME	DEPTH (in) OR SOIL TYPE	SOIL TEXTURE	PERMEABILITY	EROSION FACTORS K T
W	Water				
UgE	Urban land-Grover-Mountain Park Complex, 10 to 25 percent slopes, stony	0 to 4 4 to 11 11 to 14 14 to 25 25 to 31 31 to 80	sandy loam sandy loam sandy loam sandy clay loam sandy loam sandy loam	0.57 to 1.98 in/hr	



**REVISIONS**

NO	DATE	DESCRIPTION
7		
6		
5		
4		
3		
2		
1		

**EROSION CONTROL PLAN - INTERMEDIATE PHASE**

**RIVER GLEN DREDGING**

3441 & 3443 HOLLY TRAIL LANE LAND LOT 23 1ST DISTRICT 1ST SECTION JOHNS CREEK FULTON COUNTY, GEORGIA

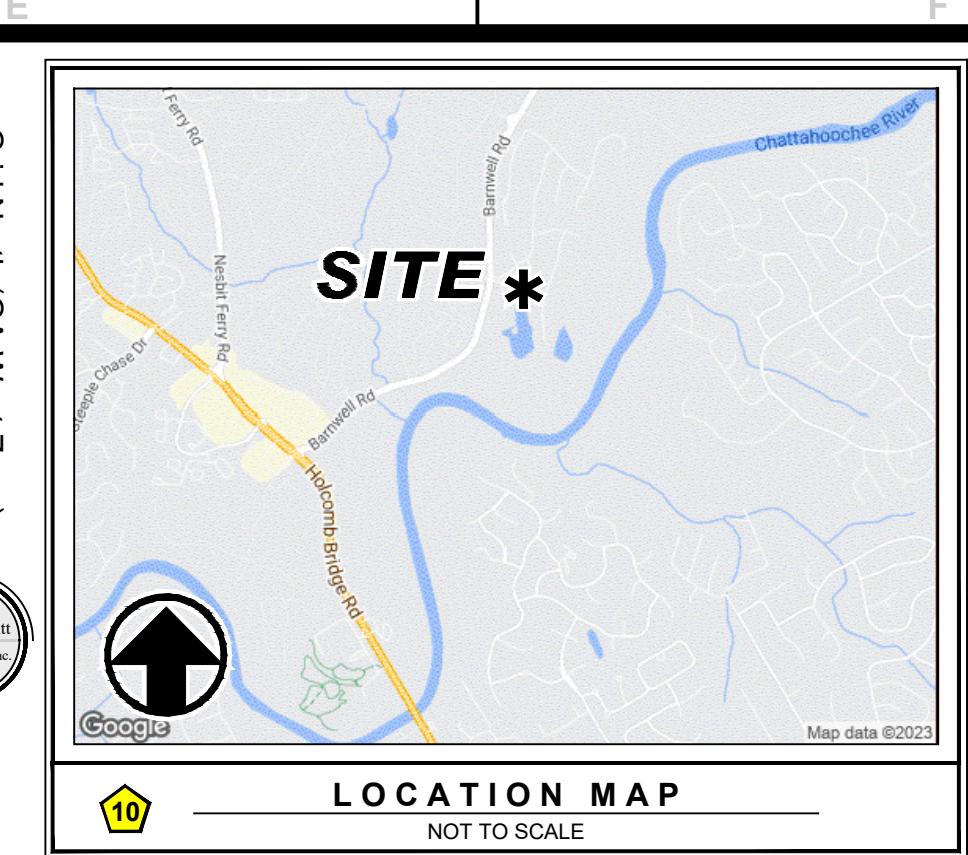
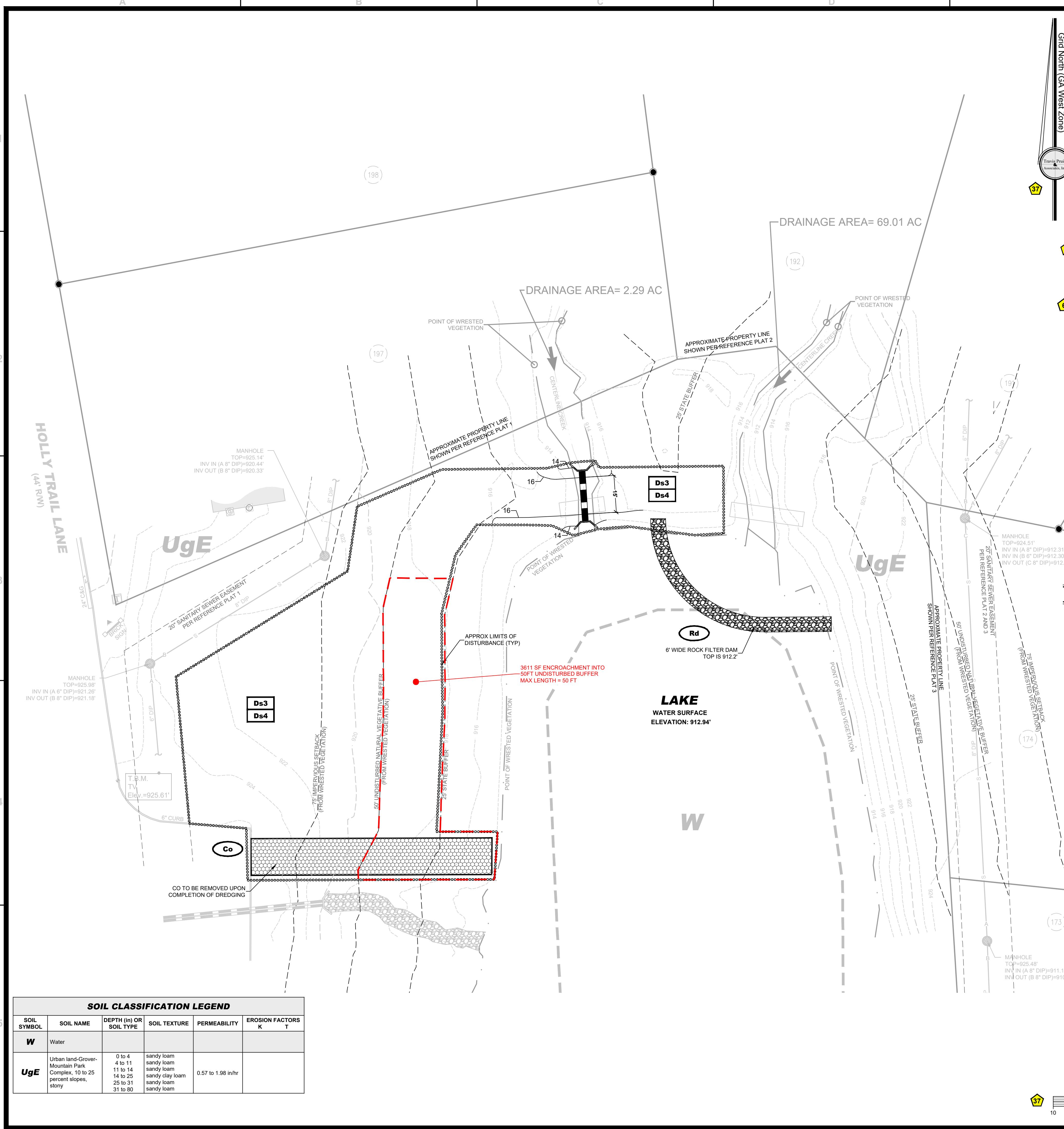
GSWCC No. 15198

**GEORGIA 811** PROFESSIONAL ENGINEER ANDREW GARETH BLAKEY

For The Firm  
 Travis Pruitt & Associates, Inc.

DATE: 04-11-2023  
 SCALE: 1" = 20'  
 CN: 230128PN  
 JN: 1-23-0128  
 FN: 170-D-196  
 SHEET NO: C3.1





**OWNER / DEVELOPER**  
**River Glen HOA**  
 3430 Holly Trail Lane  
 Johns Creek, GA 30022  
 770-481-0044  
 E-mail: jmcadden@apexsystems.com

**24 HOUR EMERGENCY CONTACT**  
 Jerry McFadden  
 678-372-5874  
 E-mail: jmcadden@apexsystems.com

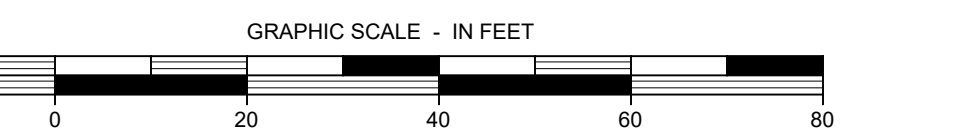
**DISTURBED AREA: ±0.36 ACRES**

**BUFFER DISTURBANCE SUMMARY**

Variance required for buffer disturbance as follows:

- 3611 square feet or 0.063 acres of disturbance in the 50' undisturbed buffer a maximum length of 50 feet.

Received  
 October 9 2023  
 V-23-0016  
 Planning & Zoning



EROSION CONTROL LEGEND		
STRUCTURAL PRACTICES		
GASWCC CODE	SYMBOL	DESCRIPTION
Cd-S	[Symbol]	STONE CHECK DAM
Co	[Symbol]	CONSTRUCTION EXIT
Cd-Hb	[Symbol]	HAYBALE CHECK DAM
Dc-A	[Symbol]	STREAM DIVERSION CHANNEL
Di	[Symbol]	DIVERSION
Dn1	[Symbol]	TEMPORARY DOWNDRAIN STRUCTURE
Fr	[Symbol]	FILTER RING
Lv	[Symbol]	LEVEL SPREADER
Rd	[Symbol]	ROCK FILTER DAM
Rt-P	[Symbol]	RETROFITTING (PERFORATED HALF-ROUND PIPE WITH STONE FILTER)
Sd1-S	[Symbol]	SILT FENCE - SENSITIVE AREAS
Sd2-Bg	[Symbol]	BLOCK AND GRAVEL DROP INLET PROTECTION
Sd2-F	[Symbol]	INLET SEDIMENT TRAP WITH SUPPORTING FRAME
Sd2-P	[Symbol]	CURB INLET PROTECTION
Sd3	[Symbol]	TEMPORARY SEDIMENT BASIN
Sk	[Symbol]	FILTER SURFACE SKIMMER
Sr-C	[Symbol]	TEMPORARY CULVERT CROSSING
St	[Symbol]	STORM DRAIN OUTLET PROTECTION
Su	[Symbol]	SURFACE ROUGHENING
Tp	[Symbol]	TOPSOILING
Tr	[Symbol]	TREE SAVE FENCE
N/A	[Symbol]	LIMITS OF CLEARING / CONSTRUCTION
N/A	[Symbol]	STREAM CENTERLINE
N/A	[Symbol]	100 YEAR PONDING LIMITS

EROSION CONTROL LEGEND		
VEGETATIVE MEASURES		
GASWCC CODE	SYMBOL	DESCRIPTION
Ds1	[Symbol]	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Ds2	[Symbol]	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
Ds3	[Symbol]	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)
Ds4	[Symbol]	DISTURBED AREA STABILIZATION (WITH SODDING)
Ss	[Symbol]	SLOPE STABILIZATION
Du	[Symbol]	DUST CONTROL ON DISTURBED AREAS

PREPARED BY: Andrew G. Blakey  
 GSWCC LEVEL II CERTIFICATION No.: 0000015198  
 EXPIRATION DATE: 08/19/2024

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FLOOD HAZARD NOTE:  
 THIS PROPERTY DOES NOT LIE WITHIN A 100 YEAR FLOOD HAZARD ZONE AS DEFINED BY THE F.E.M.A. FLOOD INSURANCE RATE MAP OF FULTON COUNTY GEORGIA COMMUNITY PANEL NUMBER 135160, DATED 09-18-2013.

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SOIL CLASSIFICATION LEGEND					
SOIL SYMBOL	SOIL NAME	DEPTH (in) OR SOIL TYPE	SOIL TEXTURE	PERMEABILITY	EROSION FACTORS K T
W	Water				
UgE	Urban land-Grover-Mountain Park Complex, 10 to 25 percent slopes, stony	0 to 4 4 to 11 11 to 14 14 to 25 25 to 31 31 to 80	sandy loam sandy loam sandy loam sandy clay loam sandy loam sandy loam	0.57 to 1.98 in/hr	

EROSION CONTROL PLAN - FINAL PHASE

**RIVER GLEN DREDGING**

3441 & 3443 HOLLY TRAIL LANE LAND LOT 23 1ST DISTRICT 1ST SECTION JOHNS CREEK FULTON COUNTY, GEORGIA

4317 Park Drive, Suite 400  
 Norcross, Georgia 30093  
 Phone: (770) 416-7511  
 Fax: (770) 416-6759  
 www.travispruit.com  
 CONTACT PERSON: ANDREW G. BLAKEY, P.E.  
 e-mail: andrew@travispruit.com

GSWCC No. 15198  
**GEORGIA 811**  
 PROFESSIONAL ENGINEER  
 ANDREW GARETH BLAKEY

For The Firm  
 Travis Pruitt & Associates, Inc.

DATE: 04-11-2023  
 SCALE: 1" = 20'  
 CN: 230128PN  
 JN: 1-23-0128  
 FN: 170-D-196  
 SHEET NO: C4.1



**EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN**

1. Stripping of vegetation, regrading, and other development activities shall be conducted in such a manner so as to minimize erosion. The minimum area of disturbance for this Project has been shown on the Plans. Refer to the Construction Plans for the limits of clearing for this Project.

2. Cut and fill operations shall be kept to a minimum. The minimum amount of grading for this Project has been shown on the Plans. Refer to the Construction Plans for the proposed grading of this Project.

3. Development plans must conform to topography and soil type, so as to create the lowest practical erosion potential. The layout of the Project was designed to conform to the topography and soil type within the Project wherever possible except where the property lines, easements and buffers have modified this layout. The lowest practical erosion potential has been designed into the Plans. Erosion control measures have been installed to reduce the erosion potential in critical areas. Refer to the Construction Plans for the location of the vegetative and structural erosion control measures for this Project.

4. Whenever feasible, natural vegetation shall be retained, protected, and supplemented. The minimum area of disturbance for this Project has been shown on the Plans. Tree Protection fence or tape has been installed at the limits of clearing. Additional vegetation has been added to compensate for the removal of the existing vegetation as required by the Issuing Authority. Refer to the Construction Plans for the limits of clearing, tree protection measures and landscaping for this Project.

5. The disturbed area and the duration of exposure to erosive elements shall be kept to a practicable minimum. The minimum area of disturbance for this Project has been shown on the Plans. All disturbed areas are to be seeded within 7 days of completion of disturbance. Temporary seeding may be required during construction depending on the site conditions. Refer to the Construction Plans for the limits of clearing for this Project.

6. Disturbed soil shall be stabilized as quickly as practicable. All disturbed areas are to be seeded within 7 days of completion of disturbance. Temporary seeding may be required during construction depending on the site conditions. Refer to the Construction Plans for the stabilization methods for this Project.

7. Temporary vegetation or mulching shall be employed to protect exposed critical areas during development. All disturbed areas are to be seeded or mulched within 7 days of completion of disturbance. Temporary seeding may be required during construction depending on the site conditions. Refer to the Construction Plans for the stabilization methods and critical areas for this Project.

8. Permanent vegetation and structural erosion control measures shall be installed as soon as practicable. All disturbed areas are to be seeded within 7 days of completion of disturbance. Temporary seeding may be required during construction depending on the site conditions. Refer to the Construction Plans for the stabilization methods and structural erosion control measures for this Project.

9. To the extent necessary, sediment in runoff-water shall be trapped by the use of debris basins, silt traps, or similar measures until the disturbed area is stabilized. Refer to the Construction Plans for the location of the structural erosion control measures for this Project.

10. Adequate provisions shall be provided to minimize damage from surface water to the cut faces of excavations or the sloping surfaces of fills. All slopes are to be stabilized prior to placement of seed. All slopes are to be seeded within 7 days of completion of disturbance. Mulching shall be placed on all slopes that have not been stabilized prior to the arrival of inclement weather. Temporary seeding may be required during construction depending on the site conditions. Down drain structures (temporary or permanent) and diversions are to be installed where shown. Erosion control matting and blankets are to be installed where shown. Refer to the Construction Plans for the location of the structural erosion control measures for this Project.

11. Cuts and fills shall not endanger adjoining property. Refer to the Construction Plans for the location of the top and toe of the cut and fill slopes for this development. Adequate provisions have been made to protect the adjacent property from the slopes of this Project.

12. Fills shall not encroach upon natural water courses or constructed channels in a manner so as to adversely affect other property owners. Refer to the Construction Plans for the location of the toe of the fills adjacent to the natural water courses within this Project.

13. Grading equipment shall cross flowing streams by the means of bridges or culverts, except when such methods are not feasible, providing in any case that such crossings shall be kept to a minimum. Refer to the Construction Plans for the location of any stream crossing and the structural erosion control measures for this Project.

14. Provisions shall be provided for treatment or control of any source of sediments and adequate sedimentation control facilities to retain sediments on site or preclude sedimentation or adjacent waters beyond the levels specified in this permit. Refer to the Construction Plans for the location of the structural erosion control measures for this Project. Refer to the Comprehensive Monitoring Program for the monitoring procedures of the structural erosion control measures for this Project.

15. Except as provided in Note 16, below, no construction activities shall be conducted within a 25 foot buffer along the banks of all state waters, as measured horizontally from the point where vegetation has been wrested by normal stream flow or wave action, except where the Director has determined to allow a variance that is at least as protective of natural resources and the environment in accordance with the provisions of O.C.G.A. 12-7-6, or where a drainage structure or a roadway drainage structure must be constructed, provided that adequate erosion control measures are incorporated in the project plans and specifications and are implemented, or along any impounded stream, or where bulkheads and levees must be constructed to prevent the erosion of shorelines on Lake Oconee and Lake Sinclair. Refer to the Construction Plans for the location of any state waters buffer disturbance for this Project. Buffer disturbance is limited to storm water detention. "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffer as measured from the Jurisdictional Determination Line without first securing the necessary variances and Permit."

16. No construction activities shall be conducted within a 50 foot buffer, as measured horizontally from the point where vegetation has been wrested by normal stream flow or wave action, along the banks of any state waters classified as " trout streams" except when approval is granted by the Director for alternate buffer requirements in accordance with the provisions of O.C.G.A. 12-7-6, or where a roadway drainage structure must be constructed; provided, however, that small springs and streams classified as " trout streams" which discharge an average annual flow of 25 gallons per minute or less shall have a 25 foot buffer or they may be piped, at the discretion of the permittee, pursuant to the terms of a rule providing for a general variance promulgated by the Board of Natural Resources including notification of such to EPA and the Local Issuing Authority of the location and extent of the piping and prescribed methodology for minimizing the impact of such piping and for measuring the volume of water discharged by the stream. Any such pipe must stop short of the downstream permittee's property, and the permittee must comply with the buffer requirements for any adjacent trout streams. Refer to the Construction Plans for the location of any trout stream buffer disturbance for this Project. No trout streams are located within the limits of this Project.

17. Except as provided above, for buffers required pursuant to Notes 15 and 16, no construction activities shall be conducted within a buffer and a buffer shall remain in its natural, undisturbed, state of vegetation until all land-disturbing activities on the construction site are completed. Between the time final stabilization of the site is achieved and upon the substantial of a Notice of Completion, a buffer may be trimmed or thinned to the minimum necessary vegetative cover remains to protect water quality and aquatic habitat and a natural canopy is left in sufficient quantity to keep shade on the stream bed. Buffer disturbance is limited to storm water detention.

**POTENTIAL SOURCES OF POLLUTION**

**SEDIMENT**

- Sediment from Clearing and Grubbing
- Sediment from Construction

**LITTER**

- Shipping/packing material
- Food/drink containers
- Illegal dumping

**PETROLEUM**

- Fuel tanks
- Fuel drums/cans
- Heavy Equipment

**SITE DESCRIPTION AND INFORMATION**

1. A DESCRIPTION OF THE NATURE OF THE CONSTRUCTION ACTIVITY: Scope of work includes removing and replacing existing sidewalks, curb and gutters and parking spaces to bring the site into compliance with ada requirements for ada accessible accessible parking spaces and ada accessible access routes. Existing ada accessible parking spaces and ramps do not meet current ada requirements for nonconforming sidewalks, ramps, and parking spaces are being removed and relocated. New ada accessible parking spaces need to be regraded to meet ada slope requirements and adjacent asphalt areas are to be replaced to provide transition back to existing grade. new curb ramps, sidewalks, and curb and gutter areas are to be installed to provide ada accessible accessible route that complies with ada requirements.

2. A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH DISTURB SOIL FOR MAJOR PORTIONS OF THE SITE: Refer to the Construction Plans for the description of the intended sequence of major activities and the approximate schedule for these activities.

3. TOTAL DISTURBED AREA OF SITE: 0.36 ACRES  
PRE-CONSTRUCTION RUNOFF COEFFICIENT:  $C_{10} = 0.85$   
POST-CONSTRUCTION RUNOFF COEFFICIENT:  $C_{10} = 0.25$   
EXISTING SOIL DATA: Refer to the Construction Plans for the Soil Type Chart.

4. A SITE MAP INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER MAJOR GRADING ACTIVITIES, AREAS OF SOIL DISTURBANCE, AN OUTLINE OF AREAS WHICH ARE NOT TO BE DISTURBED, THE LOCATION OF MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS IDENTIFIED IN THE PLAN, THE LOCATION OF AREAS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR, SURFACE WATERS (INCLUDING WETLANDS) AND LOCATIONS WHERE STORM WATER IS DISCHARGED TO A SURFACE WATER: Refer to the Construction Plans for the drainage patterns and slopes, limits of clearing, location of structural and non structural control items, location and types of stabilization practices, location of surface waters and storm water discharge locations.

5. RECEIVING WATERS: Unimproved tributary to Chattahoochee River  
AREA OF WETLANDS: 0.0 ACRES

6. EXISTING SOILS INFORMATION: Refer to Soil Chart

7. EXISTING RUNOFF WATER QUALITY: None available

8. LOCATION OF SURFACE WATERS ON THE CONSTRUCTION SITE: Refer to the Construction Plans for the location and limits of any surface waters on this site.

**CONTROLS**

**STABILIZATION MEASURES:** A description of interim and permanent stabilization measures, including site-specific scheduling of the implementation of the measures. Refer to the Construction Plans for the description and schedule of the interim and permanent stabilization measures. All disturbed areas shall be seeded or stabilized within 7 days of disturbance. Site plans should ensure that existing vegetation is preserved and that disturbed portions of the site are stabilized. Refer to the Construction Plans for the limits of clearing and disturbance area stabilization. All disturbed areas shall be seeded or stabilized within 7 days of disturbance. Stabilization measures may include: temporary seeding, permanent seeding, mulching, geotextiles, soil stabilization, vegetative buffer strips, protection of trees, preservation of native vegetation, and other appropriate measures. Refer to the Construction Plans for stabilization methods and location within the Project. Stabilization shall also include impervious surfaces. A record of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated shall be included in the Plan. Refer to the Construction Plans for the approximate dates of the construction activities. Except as provided below, stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the completion of construction activity in that portion of the site has temporarily or permanently ceased. Refer to the Construction Plans for the type of stabilization methods and the approximate date. All disturbed areas shall be seeded or stabilized within 7 days of disturbance.

**STRUCTURAL PRACTICES:** A description of structural practices to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site to the degree attainable. Such practices may include silt fences, earth dikes, drainage swales, sediment traps, check dams, reinforced concrete, pipe slope drains, level spreaders, storm drainage inlet protection, rock outlet protection, silt-outfall retaining systems, gabion structures, temporary or permanent sediment basins, structural practices shall be placed on upland soils to the degree attainable. The installation of these devices may be subject to Section 404 of the CWA. Refer to the Construction Plans for the location, size and type of the structural practice within the Project.

**SEDIMENT BASINS:** For common drainage locations a temporary (or permanent) sediment basin providing at least 1800 cubic feet (87 cubic yards) of storage per acre drained, or equivalent control measure, shall be provided until final stabilization of the site. The 1800 cubic feet (87 cubic yards) of storage area per acre drained does not apply to flows from off-site areas and flows from onsite areas that are either undisturbed or have undergone final stabilization where a temporary sediment basin providing less than 1800 cubic feet (87 cubic yards) of storage per acre drained, or equivalent control is not attainable, sediment traps, silt fences, or equivalent sediment controls are required for all side slopes and down slope boundaries of the construction area. When the sediment fills to a volume at most of 22 cubic yards per acre for each drainage area, the sediment shall be removed to restore the original design volume. The sediment must be properly disposed. Sediment basins may not be appropriate at some construction projects. Careful consideration must be used to determine when a sediment basin is not to be used and a written rationale explaining the decision is required. Retains must be installed in the Plan. Refer to the Construction Plans for the location and design of the sediment basin in each drainage basin. Sediment basin shall be cleaned out when the storage volume capacity has been reduced by 22 cubic yards per acre of disturbed area. Clean out stakes has been shown in each basin. The sediment from these basins must be removed to a permitted location or a permitted area. Sediment basins shall be used for onsite grading. Non-contaminated soil may be used onsite. Unsuitable soil may be used in previous areas only. Sediment removed from the basin shall be placed within the limits of clearing.

**ALTERNATE AND HIGH PERFORMANCE BMPs.** The use of alternate BMPs whose performance has been documented to be equivalent or superior to conventional BMPs as certified by a Design Professional may be allowed where approved by the Georgia State Soil and Water Conservation Commission). The use of infiltration trenches, seep basins, sand filters, dry wells, polyacrylamide, etc. for minimizing point source discharges except for large rainfall events is encouraged. The location of the alternate and high performance BMPs, if they are being used, are shown on the Plans. The performance data is included with the detail.

**STORM WATER MANAGEMENT:** A description of measures that will be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. Structural measures should be placed on upland soils to the degree attainable. The installation of these devices may be subject to Section 404 of the CWA. This permit only addresses the installation of storm water management measures, and not the ultimate operation and maintenance of such structures after the construction activities have been completed. The site has undergone final stabilization. Operators are only responsible for the installation of storm water management measures prior to final stabilization of the site, and are not responsible for maintenance after storm water discharges associated with construction activity have been eliminated from the site. Refer to the Construction Plans for the location and design of the storm water management facilities. Additional water volume and/or channel storage volume has been provided to allow additional settlement of suspended solids and the treatment of pollutants as required by local ordinances.

**STORM WATER MANAGEMENT FACILITIES:** Such practices may include: storm water detention structures (including wet ponds), storm water retention structures, flow attenuation by use of open vegetated swales and natural depressions, infiltration of runoff onsite, and sequential systems (which combine several practices). The Plan shall include an explanation of the technical basis used to select the practices to control pollution where flows exceed pre-development levels. Refer to the Construction Plans for the location and design of the storm water management facilities.

**VOLATILITY DISPERSION DEVICES:** shall be placed at discharge locations and along the length of any outfall channel for the purpose of providing a non-erosive velocity flow from structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g. no significant changes in the hydrological regime of the receiving water(s)). Refer to the Construction Plans for the location and size of the rip-rap storm drainage outlet protection, check dam, rock dam and rock filter dams. These structures will provide velocity dispersion of the developed flow to a non-erosive velocity in the watercourse.

**WASTE DISPOSAL:** No solid materials, including building materials, shall be discharged to waters of the State, except as authorized by a Section 404 permit. Refer to the Construction Plans for the location of the solid waste collection area. All solid waste shall be disposed in the solid waste collection container and taken to an approved landfill. No onsite burial of solid waste will be allowed without an approved solid waste landfill permit. "Waste materials shall not be discharged to waters of the States, except as authorized by Section 404 permit."

**Off-site vehicle tracking of dirt, soils, and sediments and the generation of dust shall be minimized or eliminated to the maximum extent practical. The Plan shall include the best management practice to be implemented at the site or common development. Refer to the Construction Plans for the location of the construction exit to control the off-site vehicle tracking of dirt, soils and sediments. All vehicles leaving the project shall exit via the construction exit. All disturbed areas shall be covered with mulch, temporary or permanent vegetation and/or impervious surfaces as soon as practical. All other areas shall be sprayed with an adhesive-water solution as required to control dust from the Project. Construction traffic shall be kept off of these areas as much as possible.**

All permittees shall ensure and demonstrate that their Plan is in compliance with applicable State and/or local waste disposal, sanitary sewer or septic tank regulations. Refer to the Construction Plans for the location of the waste collection area. All solid waste from this Project shall be disposed in the solid waste collection container and taken to an approved landfill. Refer to the Construction Plans for the location and size of the sanitary sewer or septic tank design. The sanitary sewer or septic tank design shall be approved by the Local Jurisdiction prior to construction.

**MAINTENANCE:** A description of procedures to ensure the timely maintenance of vegetation, erosion and sediment control measures and other protective measures identified in the site plan in good and effective operation during construction. Refer to the Construction Plans for all maintenance and operation procedures of the vegetation, erosion and sediment control measures and other protective measures. The Owner of the property is responsible to ensure that proper maintenance is performed on all measures.

**INSPECTIONS:** An inspection schedule must be incorporated in the Erosion, Sedimentation and Pollution Control Plan that is in compliance with the requirements of Part V.A.6. of the permit. Refer to the Construction Plans for the inspection schedule of all vegetation, erosion and sediment control measures and other protective measures. All measures shall be inspected by the Contractor at least once a week and after every rain event. Refer to the Comprehensive Monitoring Program for details of this inspection.

**NON-STORM WATER DISCHARGES:** Except for flows from fire fighting activities, sources of non-storm water listed in Part III.A.2 of this permit that are combined with storm water discharges associated with construction activity must be identified in the Plan. The Plan shall identify and ensure the implementation of appropriate pollution measures for the non-storm water component(s) of the discharge. The following non-storm water discharges are made part of the Erosion, Sedimentation and Pollution Control Plan: discharges from fire fighting activities, fire hydrant flushing, potable water sources including water line flushing, irrigation drainage, air conditioning condensate, springs, uncontaminated ground water, and foundation or footing drains where flows are not contaminated with process materials or pollutants. All discharges shall be at non-erosive velocities or shall be reduced through the use of velocity dispersion devices.

**OTHER CONTROLS**

**WASTE DISPOSAL:**

Waste Materials

All waste materials will be collected and stored in a securely lidded metal dumpster rented from a licensed solid waste management company in the project county. The dumpster will meet all local and any State 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 twice per week or more often if necessary, and the trash will be hauled to an approved solid waste landfill. No construction waste materials will be buried onsite. All personnel will be instructed regarding the correct procedure for waste disposal. Notices stating these practices will be posted in the office trailer and 24-hour emergency contact will be responsible for seeing that these procedures are followed.

**Hazardous Waste**

All hazardous waste materials will be disposed of in the manner specified by local or State regulation or by the manufacturer. Site personnel will be instructed in these practices and 24-hour emergency contact will be responsible for seeing that these practices are followed.

**Sanitary Waste**

All sanitary waste will be collected from the portable units a minimum or three times per week by a licensed sanitary waste management contractor, as required by local regulation.

**SPILL CONTROL PRACTICES**

In addition to good housekeeping and material management practices discussed in the previous sections of this plan, the following practices will be followed for spill prevention and cleanup:

Manufacturers' recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.

Materials and equipment necessary for spill cleanup will be kept in the material storage area. Equipment and materials will include but not be limited to brooms, dust pans, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for this purpose.

All spills will be cleaned up immediately after discovery.

The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.

Spills of toxic or hazardous material will be reported to the appropriate State or local government agency, regardless of the size.

The spill prevention plan will be adjusted to include measures to prevent this type of spill from recurring and how to clean up the spill if there is another one. A description of the spill, what caused it, and the cleanup measures will also be included.

The 24-hour emergency contact will be the spill prevention and cleanup coordinator. He will designate at least three other site personnel who will receive spill prevention and cleanup training. These individuals will each become responsible for a particular phase of prevention and cleanup. The names of responsible spill personnel will be posted in the material storage area and in the office trailer onsite.

**MAINTENANCE/INSPECTION PROCEDURES**

**EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES**

These are the inspection and maintenance practices that will be used to maintain erosion and sediment controls. Less than one half of the site will be denuded at one time.

All control measures will be inspected at least once each week and following any storm event of 0.5 inches or greater.

All measures will be maintained in good working order; if a repair is necessary, it will be initiated within 24 hours of report. Built up sediment will be removed from silt fence when it has reached one-third the height of the fence.

Silt fence will be inspected for depth of sediment, tears, to see if the fabric is securely attached to the fence posts, and to see that the fence posts are firmly in the ground.

The sediment basin will be inspected for depth of sediment, and built up sediment will be removed when it reaches one-third of the design capacity or at the end of the job.

Diversions shall be inspected and any breaches promptly repaired.

Temporary and permanent seeding and planting will be inspected for bare spots, washouts, and healthy growth.

A maintenance inspection report will be made after each inspection.

The 24-hour emergency contact will select individuals who will be responsible for inspections, maintenance and repair activities, and filing out the inspection and maintenance report.

Personnel selected for inspection and maintenance responsibilities will receive training from the 24-hour emergency contact. They will be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls used onsite in good working order.

Approved plans and NPDES daily log s must be onsite at all times.

**RETENTION OF RECORDS.**

1. The primary permittee (no secondary permittees for this project) 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 NOTI is submitted in accordance with Part VI:

- a. A copy of all Notices of Intent submitted to EPA;
- 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 V.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 V.D.4.a. of this permit;
- f. A copy of all violation summaries and violation summary reports generated in accordance with Part III.D.2. of this permit from these basins; 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 spot chart recordings for continuous monitoring instrumentation) or other reports requested by the EPD, Erosion, Sedimentation and Pollution Control Plan, 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 NOTI is submitted in accordance with Part V.I. 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 EPO at any time upon written notification to the permittee.

**INVENTORY FOR POLLUTION PREVENTION PLAN**

The materials or substances listed below are expected to be present onsite during construction:

Concrete	Fertilizers
Detergents	Petroleum Based Products
Paints(enameled and latex)	Cleaning Solvents
Metal	Woolly
Concrete	Masonry Blocks
Tar	Roofing Shingles

**MATERIAL MANAGEMENT PRACTICES**

The following are the material management practices that will be used to reduce the risk of spills or other accidental exposure of materials and substances to water runoff:

**GOOD HOUSEKEEPING:**

The following good housekeeping practices will be followed onsite during the construction project.

An effort will be made to store only enough product required to do the job.

All materials stored onsite will be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure.

Products will be kept in their original containers unless the original manufacturers label.

Substances will not be mixed with one another unless recommended by the manufacturer.

Whenever possible, all of a product will be used up before disposing of the container.

The site superintendent will inspect daily to ensure proper use disposal of materials onsite.

**HAZARDOUS PRODUCTS:**

These practices are used to reduce the risks associated with hazardous materials.

Products will be kept in original containers unless they are not resealable.

Original labels and material safety data will be retained; they contain important product information.

If surplus product must be disposed of, manufacturers' or local and State recommended methods for proper disposal will be followed.

**PETROLEUM PRODUCTS:**

All onsite vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers which are clearly labeled. Any asphalt substances used onsite will be applied according to the manufacturer's recommendations.

**FERTILIZERS:**

Fertilizers used will be applied only in the minimum amount necessary to accomplish by the manufacturer. Once applied, fertilizer will be worked into the soil to limit exposure to storm water. Storage will be in a covered shed. The contents of any partially used bags of fertilizer will be transferred to a sealable plastic bin to avoid spills.

**PAINTS:**

All containers will be tightly sealed and stored when not required for use. Excess paint will not be discharged to the storm sewer system but will be properly disposed of according to manufacturers' instructions or State and local regulations.

**CONCRETE TRUCKS:**

Concrete trucks will not be allowed to wash out or discharge surplus concrete or drum wash water on the site.

Temporary, below ground concrete washout pits will be constructed in designated areas. The concrete washout pits will have a length and width sufficient to contain entire concrete mixer trucks. The concrete washout pits will have sufficient quantity and volume to contain all liquid and concrete waste generated by the washout operations. The washout pits will be lined with plastic sheeting at least 10 mils thick and free of any holes or tears. Signs will be posted marking the location of the washout pits to ensure that concrete equipment operators use the proper facility. A pit should be at least 10' long by 6' wide x 4' deep. Only concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles will be discharged to the washout pits. When the temporary washout pits have reached capacity or are no longer needed, the hardened concrete and material used to construct the pits will be removed and disposed of in accordance with local and state regulations. Washout of the drum at the construction site is prohibited.

Washout pits that have reached capacity but are still needed will be replaced with new pits or re-lined with new plastic sheeting after the hardened concrete and material used to construct the pits have been removed. Washout pits that are no longer needed will be backfilled, graded and stabilized after the hardened concrete and material used to construct the pits have been removed.

The washout areas will be checked daily to ensure that all concrete washings is being discharged into the washout pits, no leaks or tears or present and to identify when concrete waste needs to be removed.

Additional information about best management practices for concrete washout is available at [www.epa.gov/odps/pubs/bcmconcretemwashout.pdf](http://www.epa.gov/odps/pubs/bcmconcretemwashout.pdf). All permittees are required to minimize the discharge of pollutants from dewatering trenches and excavations. Discharges are prohibited unless managed by appropriate controls.

**SPILL CONTROL PRACTICES**

In addition to good housekeeping and material management practices discussed in the previous sections of this plan, the following practices will be followed for spill prevention and cleanup:

Manufacturers' recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.

Materials and equipment necessary for spill cleanup will be kept in the material storage area. Equipment and materials will include but not be limited to brooms, dust pans, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for this purpose.

All spills will be cleaned up immediately after discovery.

The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.

Spills of toxic or hazardous material will be reported to the appropriate State or local government agency, regardless of the size.

The spill prevention plan will be adjusted to include measures to prevent this type of spill from recurring and how to clean up the spill if there is another one. A description of the spill, what caused it, and the cleanup measures will also be included.

The 24-hour emergency contact will be the spill prevention and cleanup coordinator. He will designate at least three other site personnel who will receive spill prevention and cleanup training. These individuals will each become responsible for a particular phase of prevention and cleanup. The names of responsible spill personnel will be posted in the material storage area and in the office trailer onsite.

**GENERAL EROSION CONTROL NOTES:**

1. Silt fence must meet the requirements of Section 171-Temporary Silt Fence, of the Department of Transportation, State of Georgia, Standard Specifications, latest edition.

2. Additional erosion control measures will be employed where determined necessary by actual site conditions.

3. Provisions to prevent erosion of soil from the site shall be, as a minimum, in conformance with the requirements of the City/County/State Erosion and Sedimentation Ordinance and the City/County/State Code of Laws dealing with erosion and sedimentation.

4. The construction entrance shall be constructed at each point of entry to/exit from the site.

5. The construction exits shall be maintained in a condition which will prevent tracking or flow of mud onto Public right of way. This may require periodic top dressing with stone, as conditions demand, and repair and/or cleaned of any structures used to trap sediment. All materials spilled, dropped, washed, or tracked from vehicle or site onto Public roadway or into storm drainage shall be removed immediately.

6. Prior to commencing land disturbance activity, the limits of Land Disturbance shall be clearly and accurately demarcated with stakes, ribbons, or other appropriate means. The location and extent of all authorized land disturbance activity shall be demarcated for the duration of the construction activity. No Land Disturbance shall occur outside the approved limits or stabilized within 7 days of disturbance.

7. Immediately after the establishment of construction entrances/exits, all perimeter erosion control devices and storm water management devices shall be installed prior to any other construction.

8. The Owner agrees to provide and maintain off-street parking on the subject property during the entire construction period.

9. The Contractor shall furnish and maintain all necessary barricades while roadway frontage improvements are being made.

10. The construction of the site will initiate with the installation of erosion control measures sufficient to control sediment deposits and erosion. All sediment control will be maintained until all upstream ground within the construction area has been completely stabilized with permanent vegetation and all road/drainways have been paved.

11. Erosion control devices shall be installed immediately after ground disturbance occurs. The location of some of the erosion control devices may have to be altered from that shown on the approved plans if drainage patterns during construction differ from the patterns shown on the approved plans. If the Contractor is responsible to accomplish erosion control for all drainage patterns created at various stages during construction, any difficulty in controlling erosion during any phase of construction shall be reported to the Engineer immediately.

12. All silt basins shall be installed as permanent drainage patterns. No grading shall be done until silt barrier installation and detention facilities are constructed.

13. The Contractor shall maintain all erosion control measures until permanent vegetation has been established. The Contractor shall clean out all sediment ponds when required by the Project Engineer or City/County/State Inspector. The Contractor shall inspect erosion control measures at the end of each working day to insure measures are functioning properly.

14. The Contractor shall remove accumulated silt when the silt is within one-third of the height of the silt fence utilized for erosion control. In the detention pond, silt shall be removed when the storage volume has been reduced by one-third.

15. Failure to install, operate or maintain all erosion control measures will result in all construction being stopped on the job site until such measures are corrected back to City/County/State Standards.

16. All construction shall conform to City/County/State Standards and Specifications, whether or not the review comments were made.

17. Copies of the approved land disturbance plan and permit shall be present on the site whenever land disturbance activity is in progress.

18. All sewer easements disturbed must be dressed and grassed to control erosion.

19. All open swales must be grassed, and rip-rap must be placed as required to control erosion. A minimum of 4.5 square yards of 50-20 stones shall be placed at all downstream headwalls. The placement of rip-rap at the downstream headwalls shall be placed immediately upon the installation of pipes and drainage ditches.

20. Silt barriers to be placed to provide access to designed drainage patterns, all of all outfall filterpipes.

21. Provide silt gates at all inlet headwalls.

22. Provide sediment traps at all catch basins, junction boxes, manholes, and drop inlets.

23. Any disturbed area left exposed for a period greater than 7 days shall be stabilized with temporary seeding.

24. When any construction borders a drainage course:

- a. The Contractor is responsible for removing any building or other excavation spoil dirt, construction trash or debris, etc. from the drainage course or any other watercourse in an expeditious manner as construction progresses.
- b. The Contractor hereby agrees to stop all work and restore these areas immediately upon notification by the City/County/State Inspector and/or the Professional Engineer.
- c. Upon completion of construction, a professional engineer shall certify in writing to the Department of Transportation that all clean up is complete and the drainage course restored to original conditions and grade.

25. The primary permittee shall engage a design professional who prepared the Erosion, Sedimentation and Pollution control plan, except when the primary permittee has requested in writing and EPA has agreed to an alternate design within seven (7) days after initial construction activities commenced. The design professional shall determine if these BMPs have been maintained as designed. The design professional shall report the results of the inspection to the primary permittee within seven (7) days and the permittee must correct all deficiencies within two (2) business days of receipt of the inspection report from the design professional unless weather related site conditions are such that additional time is required.

26. Amendments / Revisions to ESDCP which have significant effect on BMPs with Hydraulic component must be certified by the design professional.

27. "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."

28. "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."

29. "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."

30. Building materials, building products, construction waste, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site, will be covered with plastic sheeting or temporary roof to minimize the exposure of these products to precipitation and to stormwater, or similarly effective means designed to minimize the discharge of pollutants from these areas.

31. Discharge of pollutants, or the exposure of a specific material or product poses little risk to stormwater contamination, such as final products and materials intended for outdoor use.

**APPROXIMATE CONSTRUCTION SCHEDULE**

ACTIVITY	1	2	3	4	5	6	7	8	9	10	11	12
INSTALL TREE PROTECTION MEASURES												
INSTALL CONSTRUCTION EXIT, SEDIMENT BARRIERS & OTHER PERIMETER CONTROLS												
INSTALL CONSTRUCTION LAWN TO LAKE												
DREDGE LAKE & STOCKPILE OF MATERIAL FOR REMOVAL OF DRY MATERIAL												
CONSTRUCTION OF GABION BASKETS												
FINAL GRADING OF STOCKPILE AREAS												
TEMPORARY STABILIZATION / LANDSCAPING												
PERMANENT STABILIZATION / LANDSCAPING												
MAINTENANCE OF EROSION & SEDIMENT CONTROL MEASURES												
MAINTENANCE OF EROSION CONTROL MEASURES												
MAINTENANCE OF TREE PROTECTION MEASURES												

APPROXIMATE PROJECT START DATE: 11/01/2023  
APPROXIMATE PROJECT COMPLETION DATE: 02/01/2024

**DISTURBED AREA: 0.36 ACRES**

**TOTAL AREA OF WETLAND: 0 ACRES**

**DISTURBED AREA OF WETLAND: 0 ACRES**

**DISTURBED LENGTH OF WETLAND: 0 ACRES**

**NARRATIVE DESCRIPTION:**

1. OVERALL PROJECT LOCATION: Refer to the Construction Plans for the location of the Project. A location sketch has been provided on the cover sheet.

7. GPS LOCATION OF THE CONSTRUCTION EXIT FOR SITE: Latitude: 30°59'31.27" N Longitude: -84°15'27.7" W

8. NATURE: Pond dredging.

9. SIZING: Refer to the Erosion Control Plan for the total area of the Project.

10. ZONING: Refer to the Erosion Control Plan for the zoning of the Project.

2. CURRENT PHASE OF DEVELOPMENT LOCATION: Refer to the Erosion Control Plan for the location of the current phase of the Project. A location sketch has been provided on the cover sheet.

3. STARTING DATE OF INITIAL LAND DISTURBING ACTIVITY: 11/01/2023 EXPECTED FINAL STABILIZATION WILL BE COMPLETE: 02/01/2024

4. EXISTING EROSION AND SEDIMENT CONTROL PROBLEMS: There are no existing erosion and sediment control problems known to this engineer.

PROPOSED EROSION AND SEDIMENT CONTROL PROBLEMS: The construction and maintenance of all erosion and sediment control features as shown on the Erosion Control Plan will provide sediment control for this Project.

5. PURPOSE OF PROPOSED SEDIMENT CONTROL PROGRAM: The purpose of the proposed sediment control program is to control soil erosion and sediment deposition.

NATURE OF PROPOSED SEDIMENT CONTROL PROGRAM: Refer to the Erosion Control Plan for the Project for the nature of the proposed sediment control facilities.

EXTENT OF PROPOSED SEDIMENT CONTROL PROGRAM: Refer to the Erosion Control Plan for the Project for the extent of the proposed sediment control facilities.

6. MAJOR TOPOGRAPHIC FEATURES, STREAMS, EXISTING SOIL TYPES AND VEGETATION LOCATED ON THE PROJECT SITE: Refer to the Construction Plans for this Project for these items.

7. MAINTENANCE PROGRAMS FOR THE SEDIMENT CONTROL FACILITIES INSPECTION FREQUENCY: All sediment control facilities will be inspected weekly and after each rainfall event by the General Contractor.

VEGETATIVE PROGRAMS: Refer to the Erosion Control Plan for the Project for the location and type of plantings required for this development.

REPAIR PROCEDURES: The Contractor is to repair all sediment control facilities to the minimum standards shown on the Erosion Control Plan immediately. The Contractor is to notify the Engineer of any problem with sediment control on the project.

FREQUENCY OF REMOVAL



**DEFINITION**  
Applying plant residues or other suitable materials, produced on the site if possible, to the soil surface.

**PURPOSE**

- To reduce runoff and erosion
- To conserve moisture
- To prevent surface compaction or crusting
- To control undesirable vegetation
- To modify soil temperature
- To increase biological activity in the soil.

**REQUIREMENT FOR REGULATORY COMPLIANCE**  
Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Mulch can be used as a singular erosion control device for up to six months, but it shall be applied at the appropriate depth, depending on the material used, anchored, and have a continuous 90% cover or greater of the soil surface.

Maintenance shall be required to maintain appropriate depth and 90% cover. Temporary vegetation may be employed instead of mulch if the area will remain undisturbed for less than six months.

If any area will remain undisturbed for greater than six months, permanent vegetative techniques shall be employed. Refer to D&S-Disturbed Area Stabilization (With Permanent Seeding), D&S-Disturbed Area Stabilization (With Permanent Seeding), and D&S-Disturbed Area Stabilization (With Sodding).

**SPECIFICATIONS**  
**Mulching without Seeding**  
This standard applies to grades or cleared areas where seedings may not have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a mulch cover.

**Site Preparation**

- Grade to permit the use of equipment for applying and anchoring mulch.
- Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.
- Loosen compacted soil to a minimum depth of 3 inches.

**Mulching Materials**  
Select one of the following materials and apply at the depth indicated:

- Dry straw or hay shall be applied at a depth of 2 to 4 inches providing complete soil coverage. One advantage of this material is easy application.
- Wood waste (chips, sawdust or bark) shall be applied at a depth of 2 to 3 inches. Organic material from the clearing stage of development should remain on site, be chipped, and applied as mulch. This method of mulching can greatly reduce erosion control costs.
- Polyethylene film shall be secured over banks or stockpiled soil material for temporary protection. This material can be salvaged and re-used.

**DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)**  
NTS D&1

**DEFINITION**  
The establishment of temporary vegetative cover with fast growing seedlings for seasonal protection on disturbed or denuded areas.

**PURPOSE**  
To reduce runoff and sediment damage of downstream resources; to protect the soil from erosion; to improve wildlife habitat; to improve aesthetics; to improve air, infiltration and aeration as well as organic matter for permanent plantings.

**REQUIREMENT FOR REGULATORY COMPLIANCE**  
Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Temporary grassing, instead of mulch, can be applied to rough graded areas that will be exposed for less than six months. If an area is expected to be undisturbed for longer than six months, permanent perennial vegetation shall be used. If optimum planting conditions for temporary grassing is lacking, mulch can be used as a singular erosion control device for up to six months but it shall be applied at the appropriate depth, anchored, and have a continuous 90% cover or greater of the soil surface. Refer to specification D&1 - Disturbed Area Stabilization (With Mulching Only).

**CONDITIONS**  
Temporary vegetative measures should be coordinated with permanent measures to assure economical and effective stabilization. Most types of temporary vegetation are ideal to use as companion crops until the permanent vegetation is established. Note: some species of temporary vegetation are not appropriate for companion crop plantings because of their potential to out-compete the desired species (e.g. annual ryegrass). Contact NRCS or the local SWCD for more information.

**SPECIFICATIONS**  
**GRADING AND SHAPING**  
Excessive water runoff shall be reduced by properly designed and installed erosion control practices such as diked drains, ditches, dikes, diversions, sediment barriers and others. No shaping or grading is required unless can be stabilized by hand-seeded vegetation or if hydraulic seeding equipment is to be used.

**SEEDBED PREPARATION**  
When a hydraulic seeder is used, seedbed preparation is not required. When using conventional or handseeding, seedbed preparation is not required if the soil material is loose and not sealed by rainfall. When soil has been sealed by rainfall or consists of smooth cut slopes, the soil shall be pitted, trenched or otherwise scarified to provide a place for seed to lodge and germinate.

**MAINTENANCE**  
Re-seed areas where an adequate stand of temporary vegetation fails to emerge or where a poor stand exists.

**LIME AND FERTILIZER**  
Agricultural lime is required unless soil tests indicate otherwise. Apply agricultural lime at a rate determined by soil test for pH. Quick acting lime should be incorporated to moist pH during the germination period. Die simulants should also be considered when there is less than 3% organic matter in the soil. Gradual areas require lime application. Soils must be tested to determine required amounts of fertilizer and amendments. Fertilizer should be applied before land preparation and incorporated with a disk, ripper, or chisel. On slopes too steep for, or inaccessible to equipment, fertilizer shall be hydraulically applied, preferably in the first pass with seed and some hydraulic mulch, then topped with the remaining required application rate.

**SEEDING**  
Select a grass or grass-legume mixture suitable to the area and season of the year. Seed shall be applied uniformly by hand, cyclone seeder, drill, outdragger seeder, or hydraulic seeder (skurry including seed and fertilizer). Drill or outdragger seeders should normally place seed one-quarter to one-half inch deep. Appropriate depth of planting is ten times the seed diameter. Soil should be "raked" lightly to cover seed with soil if seeded by hand.

**MULCHING**  
Temporary vegetation can, in most cases, be established without the use of mulch, provided there is no erosion potential. However, the use of mulch can often accelerate and enhance germination and vegetation establishment. Mulch without seeding should be considered for short term protection. Refer to D&1-Disturbed Area Stabilization (With Mulching Only).

**IRRIGATION**  
During times of drought, water shall be applied at a rate not causing runoff and erosion. The soil shall be thoroughly wetted to a depth that will insure germination of the seed. Subsequent applications should be made when needed.

**DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)**  
NTS D&2

Species	Broadcast Rates <sup>1</sup> Per Acre	PLS Per 1000 sq.ft.	Resource Area <sup>2</sup>	Planting Dates by Resource Area												Remarks	
				J	F	M	A	M	J	J	A	S	O	N	D		
<b>Barley</b> ( <i>Hordeum vulgare</i> )			M-L P C														14,000 seed per pound (Whitlansbury). Use on productive soils.
alone	3 bu. (144 lbs.)	3.3 lb.		J	F	M	A	M	J	J	A	S	O	N	D		
in mixture	1/2 bu. (24 lbs.)	0.6 lb.															
<b>Lespedeza, Annual</b> ( <i>Lespedeza stizoides</i> )			M-L P C														200,000 seed per pound May volunteer for several years. Use inoculant EL.
alone	140 lbs.	0.9 lb.		J	F	M	A	M	J	J	A	S	O	N	D		
in mixture	10 lbs.	0.2 lb.															
<b>Levegrass, Weeping</b> ( <i>Eragrostis curvula</i> )			M-L P C														1,500,000 seed per pound May last for several years. Mix with <i>Sida</i> or <i>Sida</i> <i>lespedeza</i> .
alone	4 lbs.	0.1 lb.		J	F	M	A	M	J	J	A	S	O	N	D		
in mixture	2 lbs.	0.05 lb.															
<b>Millet, Browntop</b> ( <i>Panicum fasciculatum</i> )			M-L P C														137,000 seed per pound Quick dense cover. Will provide too much competition in mixtures if seeded at high rates.
alone	40 lbs.	0.9 lb.		J	F	M	A	M	J	J	A	S	O	N	D		
in mixture	10 lbs.	0.2 lb.															
<b>Millet, Pearl</b> ( <i>Pennisetum glaucum</i> )			M-L P C														85,000 seed per pound Quick dense cover. May reach 6 feet in height. Not recommended for mixtures.
alone	50 lbs.	1.1 lb.		J	F	M	A	M	J	J	A	S	O	N	D		
in mixture																	
<b>Oats</b> ( <i>Avena sativa</i> )			M-L P C														13,000 seed per pound Use on productive soils. Not as winterhardy as ryegrass.
alone	4 bu. (128 lbs.)	2.9 lb.		J	F	M	A	M	J	J	A	S	O	N	D		
in mixture	1 bu. (32 lbs.)	0.7 lb.															
<b>Rye</b> ( <i>Syntherisma cereale</i> )			M-L P C														18,000 seed per pound Quick cover. Drought tolerant and winterhardy.
alone	3 bu. (168 lbs.)	3.0 lb.		J	F	M	A	M	J	J	A	S	O	N	D		
in mixture	1/2 bu. (24 lbs.)	0.6 lb.															
<b>Ryegrass, Annual</b> ( <i>Lolium temulentum</i> )			M-L P C														227,000 seed per pound Quick cover. Very competitive and is NOT to be used in mixtures.
alone	40 lbs.	0.9 lb.		J	F	M	A	M	J	J	A	S	O	N	D		
in mixture																	
<b>Sudangrass</b> ( <i>Sorghum sudanense</i> )			M-L P C														55,000 seed per pound Good on drought soils. NOT recommended for mixtures.
alone	60 lbs.	1.4 lb.		J	F	M	A	M	J	J	A	S	O	N	D		
in mixture																	
<b>Triticale</b> ( <i>Triticosecale</i> )			C														Use on lower part of Southern Coastal Plain and in Atlantic Coastal Plainwoods only.
alone	3 bu. (144 lbs.)	3.3 lb.		J	F	M	A	M	J	J	A	S	O	N	D		
in mixture	1/2 bu. (24 lbs.)	0.6 lb.															
<b>Wheat</b> ( <i>Triticum aestivum</i> )			M-L P C														15,000 seed per pound Winter hardy.
alone	3 bu. (180 lbs.)	4.1 lb.		J	F	M	A	M	J	J	A	S	O	N	D		
in mixture	1/2 bu. (30 lbs.)	0.7 lb.															

**MAINTENANCE**  
The soil shall be maintained in a condition which will prevent tracking or flow of mud onto public rights-of-way. This may require periodic top dressing with 1.5-3.5 inch stone, as conditions demand, and repair and/or cleanouts of any structures to trap sediment. All materials spilled, dropped, washed, or tracked from vehicles or onto roadways or into storm drains must be removed immediately.

**EXIT DIAGRAM**

**ENTRANCE ELEVATION**

**Notes:**

- Avoid locating on steep slopes or at curves on public roads.
- Remove all vegetation and other unsuitable material from the foundation area, grade, and crown for positive drainage.
- Aggregate size shall be in accordance with national stone association R-2 (1.5"-3.5" stone).
- Gravel pad shall have a minimum thickness of 6".
- Pad width shall be equal full width at all points of vehicular egress, but no less than 2'.
- A diversion ridge should be constructed when grade toward paved area is greater than 2%.
- Install silt trap under the entrance if needed to maintain drainage ditches.
- When washing is required, it should be done on an area stabilized with crushed stone that drains into an approved sediment trap or sediment basin (divert all surface runoff and drainage from the entrance to a sediment control device).
- Washtrucks and/or the washers may be required depending on scale and circumstance. If necessary, washtruck design may consist of any material suitable for truck traffic that remove mud and dirt.
- Maintain area in a way that prevents tracking and/or flow of mud onto public rights-of-ways. This may require top dressing, repair and/or cleanout of any measures used to trap sediment.

**CRUSHED STONE CONSTRUCTION EXIT**  
NTS Co

**TABLE 6-27.2 POST SIZE**

Type	Length	Min Post	Type	Size of Post
NS	4'	4"	Soft Wood Oak Steel	3" Dia or 24" 1.5"x1.5" 1.5 Lb/Ft Min.
S	4'	4"	Steel Oak	1.15-1.25 Lb/Ft Min. 2"x2"

**TABLE 6-27.3 FASTENERS FOR WOOD POST**

Fastener Type	Gauge	Crown	Legs	Staple/Post
Wire Staples	17 MIN.	3/4" WIDE	1/2" LONG	5 MIN.
Fastener Type	Gauge	Length	Button Heads	Nail/Post
Nails	14 Min	1"	3/4"	4 Min.

**OVERLAP AT FABRIC ENDS**

**TOP VIEW**  
NTS

**FRONT VIEWS**  
NTS

**FASTENERS FOR SILT FENCE**  
NTS

**DOUBLE ROW SILT FENCE - TYPE "C"**  
NTS S&1-S

**ROCK FILTER DAM FOR SEDIMENT CONTROL**  
NTS Rd

**Table C-1 Filter Bedding Stone**

N.S.A. No. <sup>1</sup>	Sq. Inches (Sq. Opening)		
	Max.	Avg. <sup>2</sup>	Min. <sup>3</sup>
FS-1	3/8	#30 Mesh	#150 Mesh
FS-2		#30 Mesh	#100 Mesh
FS-3	6/12	2 1/2	#16

**Table C-2 Graded Rip-Rap Stone**

Flow Velocity (F/Sec.)	N.S.A. No. <sup>1</sup>	Sq. Inches (Sq. Opening)			Filter Stone N.S.A. No. <sup>1</sup>
		Max.	Avg. <sup>2</sup>	Min.	
2.5	R-1	1 1/2	3/8	No. 6	FS-1
4.5	R-2	3	1 1/2	1	FS-1
6.5	R-3	6	3	2	FS-2
9.0	R-4	12	6	3	FS-2
11.0	R-5	18	9	5	FS-2
13.0	R-6	24	12	7	FS-3
14.5	R-7	30	15	12	FS-3

**Notes:**

- National Stone Association
- At least 50% of the individual stone particles must be equal or larger than this listed size
- 85 - 100% of the individual stone particles may be less than listed size

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3441 & 3443 HOLLY TRAIL LANE LAND LOT 23 1ST DISTRICT 1ST SECTION JOHNS CREEK FULTON COUNTY, GEORGIA

**REVISIONS**

NO	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		

4317 Park Drive, Suite 400  
Norcross, Georgia 30093  
Phone: (770) 416-7511  
Fax: (770) 416-6759  
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CONTACT PERSON: ANDREW G BLANEY, P.E.  
e-mail: andrew@travisprutt.com

**Travis Prutt & Associates, Inc.**  
SINCE 1968 • LANDSCAPE ARCHITECTS

**DET 1**

**RIVER GLEN DREDGING**

For The Firm  
Travis Prutt & Associates, Inc.

DATE: 04-11-2023  
SCALE: N/A  
CN: 230128DT  
JN: 1-23-0128  
FN: 170-D-196  
SHEET NO: C6.1

**GEORGIA**  
REGISTERED  
PROFESSIONAL  
ENGINEER  
10/09/23  
ANDREW GARETH BLANEY







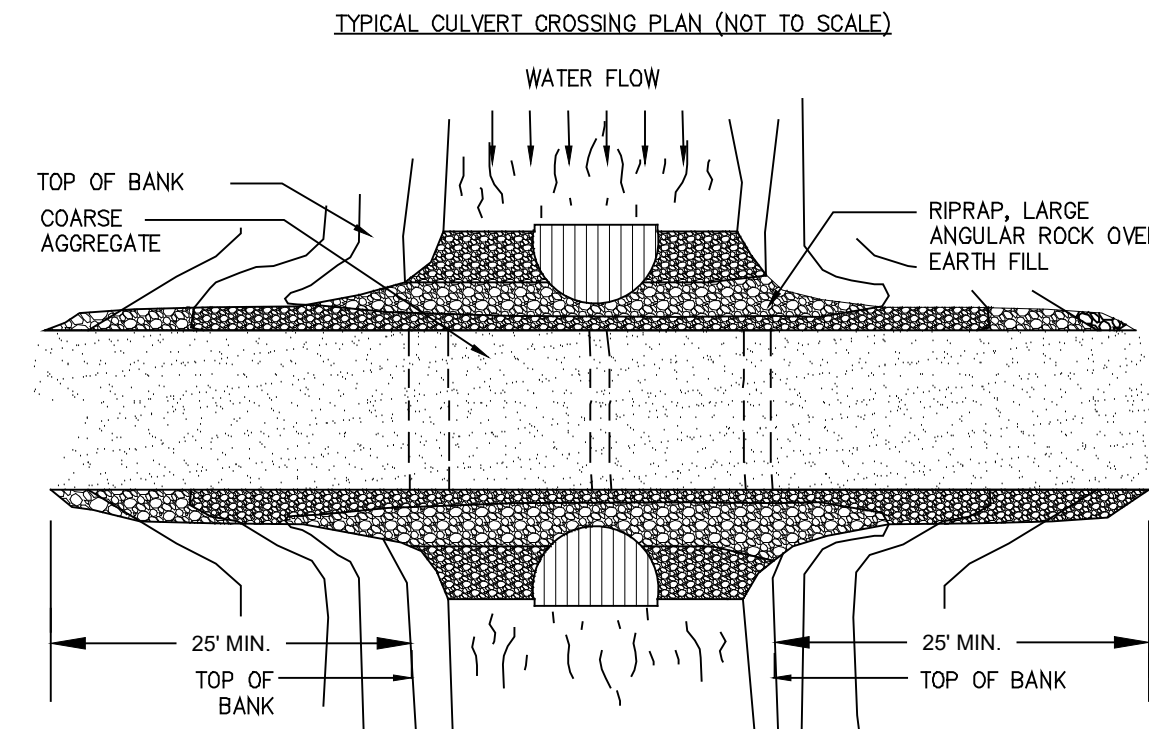
**DEFINITION**  
A temporary structure installed across a flowing stream or watercourse for use by construction equipment.

**PURPOSE**  
This standard provides a means for construction vehicles to cross streams or watercourses without moving sediment into streams, damaging the streambed or channel, or causing flooding.

**CONSTRUCTION SPECIFICATIONS**  
All Crossings:  
1. Clearing of the stream bed and banks shall be kept to a minimum.  
2. All surface water from the construction site shall be diverted onto undisturbed areas adjoining the stream. Line unstable stream banks with riprap or otherwise appropriately stabilize them.  
3. The structure shall be removed as soon as it is no longer necessary for project construction.

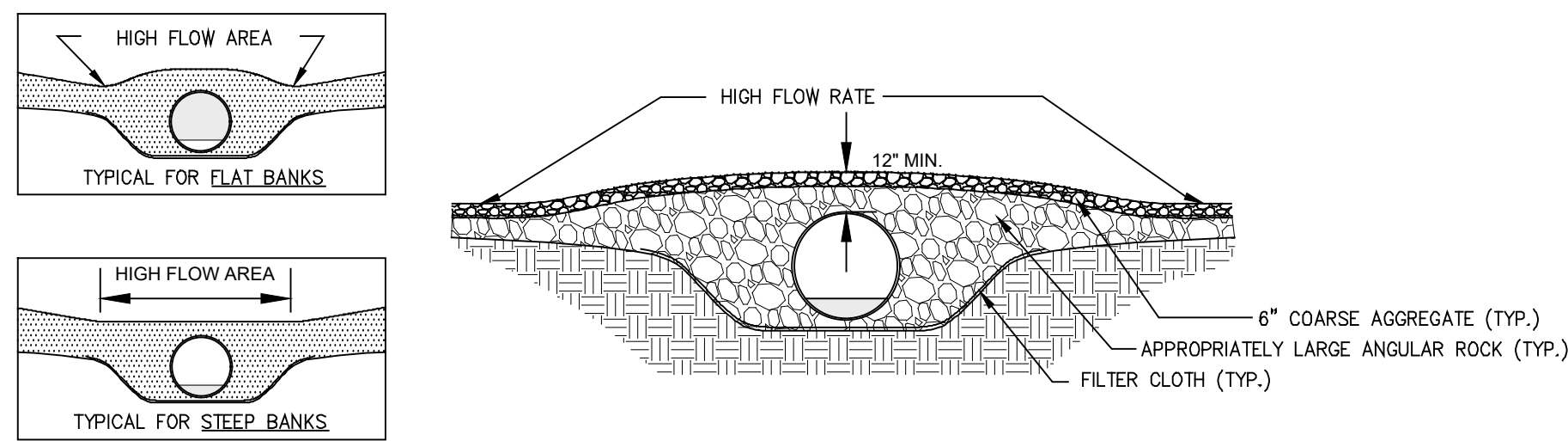
**MAINTENANCE**  
Upon removal of the structure, the stream shall immediately be restored to its original cross-section and properly stabilized.

The structure shall be inspected after every rainfall and at least once a week, whether it has rained or not, and all damages repaired immediately. The structure shall be removed immediately after construction is finished, and the streambed and banks must be stabilized. Refer to specification BF - Buffer Zone.



**NOTES:**  
1. THIS TYPE OF CROSSING CAN BE INSTALLED IN BOTH A WET OR DRY WEATHER STREAM CONDITION WHERE THE DRAINAGE AREA EXCEEDS 10 ACRES.  
2. REMOVE DURING CLEANUP.

**TEMPORARY STREAM CROSSING**



**TEMPORARY CULVERT CROSSING (NTS)**

**SOIL PREPARATION**

1. Lay sod with tight joints and in straight lines. Do not overlap joints. Stagger joints and do not stretch sod.
2. Topsoil properly applied will help guarantee a stand. Do not use topsoil recently treated with herbicides or soil sterilants.
3. Mix fertilizer into soil surface. Fertilizer based on soil tests or table 1. 4.) agricultural lime should be applied based on soil tests or a rate of 1 to 2 tons per acre.

**INSTALLATION**

1. Lay sod with tight joints and in straight lines. Do not overlap joints. Stagger joints and do not stretch sod.
2. On slopes steeper than 3:1, sod should be anchored with pins or other approved methods.
3. Installed sod should be rolled or tamped to provide good contact between sod and soil.
4. Irrigate sod and soil to a depth of 4" immediately after installation.
5. Sod should not be cut or spread in extremely wet or dry weather.
6. Irrigation should be used to supplement rainfall for a minimum of 2-3 weeks.

**MATERIALS:**

1. Sod selected should be certified, sod grown in the general area of the project is desirable.
2. Sod should be machine cut and contain 3/4" (±1/4") of soil, not including shoots or thatch.
3. Sod should be cut to the desired size within ±5%/5%. Torn or uneven pads should be rejected.
4. Sod should be cut and installed within 36 hours of digging.
5. Avoid planting when subject to frost heave or hot weather. Irrigation is not available.
6. The sod type should be shown on the plans or listed according to table 2.

**MAINTENANCE:**

1. Re-sod areas where an adequate stand of sod is not obtained.
2. New sod should be mowed sparingly. Grass height should not be cut less than 2" - 3" or as specified.
3. Apply one ton of agricultural lime as indicated by soil test or every 4-6 years.
4. Fertilize grasses in accordance with soil tests to table 3.

**Table 1  
Fertilizer Requirements for Sod Surface Application**

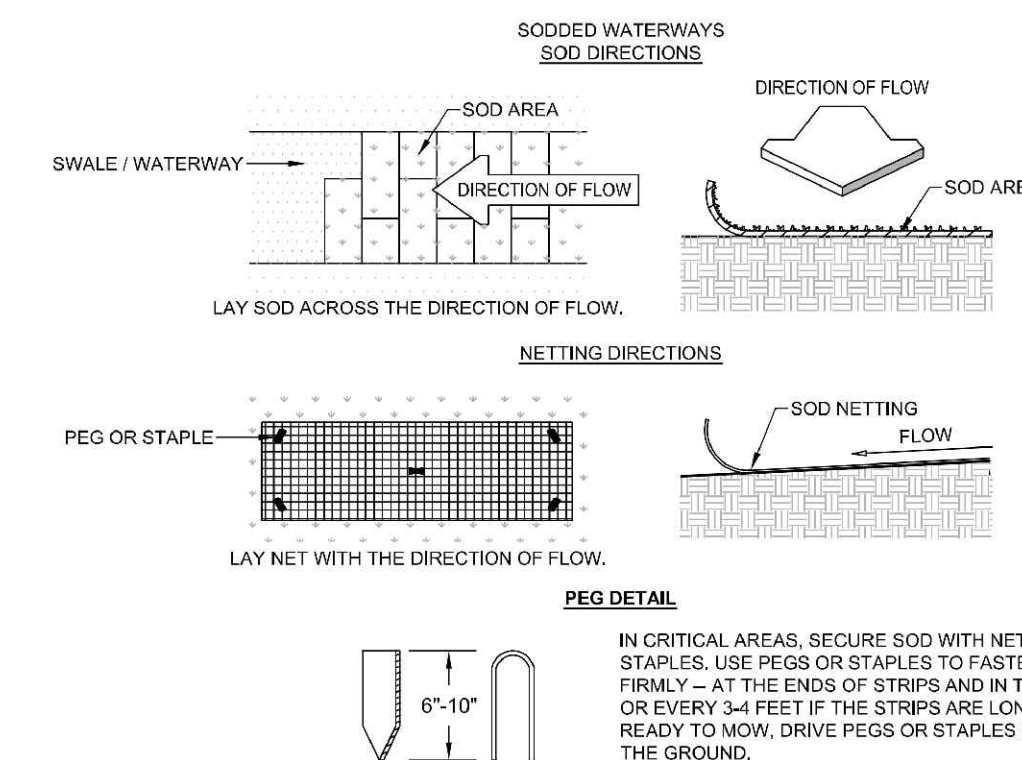
Fertilizer Type	Fertilizer Rate (lbs./acre)	Fertilizer Rate (lbs./acre)	Seasons
10-10-10	1000	0.025	FALL

**Table 2  
Sod Planting Requirements**

Grass	Varieties	Resource Area	Growing Season
Bermudagrass	Common Tilway Tilman Tilman	M, P, C P, C P, C P, C	warm weather warm weather
Bahiagrass	Pensacola	P, C	warm weather
Centipede	-	P, C	warm weather
St. Augustine	Common BlitarBlue Raleigh	C	warm weather
Zoysia	Emerald Myer	P, C	warm weather
Tall Fescue	Kentucky	M, L, P	cool weather

**Table 3  
Fertilizer Requirements for Sod**

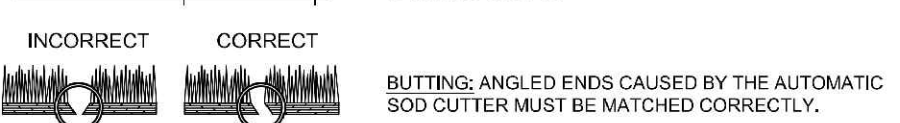
Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./acre)	Nitrogen Top Dressing Rate (lbs./acre)
COOL	First	6-12-12	1500	50 - 100
season	Second	6-12-12	1000	-
grasses	Maintenance	10-10-10	400	30
warm	First	6-12-12	1500	50 - 100
season	Second	6-12-12	800	50 - 100
grasses	Maintenance	10-10-10	400	30



**SOD MAINTENANCE AND INSTALLATION**

**SOD LAYOUT AND PREPARATION**

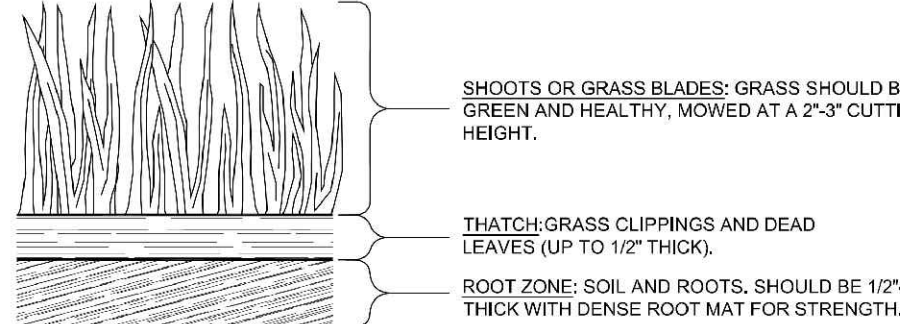
LAY SOD IN A STAGGERED PATTERN. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER. DO NOT LEAVE SPACES AND DO NOT OVERLAP. A SHARPENED MASON'S TROWEL IS A HANDY TOOL FOR TUCKING DOWN THE ENDS AND TRIMMING PIECES.



**DIRECTIONS FOR INITIAL MAINTENANCE**

- STEP 1. ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL.
- STEP 2. WATER TO A DEPTH OF 4" AS NEEDED, WATER WELL AS SOON AS THE SOD IS LAID.
- STEP 3. MOW WHEN THE SOD IS ESTABLISHED - IN 2-3 WEEKS. SET THE MOWER HIGH (2"-3").

**APPEARANCE OF GOOD SOD**



**DISTURBED AREA STABILIZATION (WITH SODDING)**

NTS

**EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST**  
**STAND ALONE CONSTRUCTION PROJECTS**

SWCD: Fulton County  
Project Name: River Glen Dredging  
City/County: Johns Creek/Fulton County  
Address: 3445 Holly Trail Lane  
Date on Plans: 4/11/2023  
Name & email of person filling out checklist: Paul Kim, pkim@travispruitt.com

Plan	includes	Y/N	DESCRIPTION
C4.1		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.)
C2.1 & C3.1		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.)
		N/A	3. Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the GAEPD District Office. If GAEPD provides 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 the Plan to be reviewed.)
C2.1		Y	4. The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.
C2.1		Y	5. Provide the name, address, email address, and phone number of primary permittee.
C2.1		Y	6. Note total and disturbed acreages of the project or phase under construction.
C2.1 & C3.1		Y	7. Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
ALL		Y	8. Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
C3.1		Y	9. Description of the nature of construction activity and existing site conditions.
C2.1		Y	10. Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
C2.1 & C3.1		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.
C3.1		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.
C3.1		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	14. Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation."
C3.1		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 vested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
		N/A	16. Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
C3.1		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."
C3.1		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."
C3.1		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."
C3.1		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."
C3.1		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."
		N/A	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 a Biotically 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."
		N/A	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."
C3.1		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."
C3.1		Y	25. Provide BMPs for the remediation of all petroleum spills and leaks.
C3.1		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."
C3.1		Y	27. Description of practices to provide cover for building materials and building products on site."
C3.1		Y	28. Description of the practices that will be used to reduce the pollutants in storm water discharges."
C3.1		Y	29. Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
C3.1		Y	30. Provide complete requirements of inspections and record keeping by the primary permittee."
		N/A	31. Provide complete requirements of Sampling Frequency and Reporting of sampling results."
C3.1		Y	32. Provide complete details for Retention of Records as per Part IV.F. of the permit."
		N/A	33. Description of analytical methods to be used to collect and analyze the samples from each location."
		N/A	34. Appendix B rationale for NTU values at all outfall sampling points where applicable."
		N/A	35. Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged."
		N/A	36. A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase."
C2.1		Y	37. Graphic scale and North arrow.
C2.1		Y	38. Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:
		N/A	Map Scale 1 inch = 100ft or larger scale Ground Slope Flat 0 - 2% Rolling 2 - 5% Steep 5% + Contour Intervals, ft 0.5 or 1 1 or 2 2.5 or 10
		N/A	39. Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org/georgia.gov.
		N/A	40. Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition."
		N/A	41. Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
		N/A	42. Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
		N/A	43. Delineation and acreage of contributing drainage basins on the project site.
C3.1		Y	44. Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions."
		N/A	45. An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
		N/A	46. Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/delineate all storm water discharge points.
C2.1 & C3.1		Y	47. Soil series for the project site and their delineation.
C2.1		N	48. The limits of disturbance for each phase of construction.
		N/A	49. Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.
C2.1		Y	50. Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
C4.1		Y	51. Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
		N/A	52. Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place and for the appropriate geographic region of Georgia.

\* If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the " checklist items would be N/A.

Effective January 1, 2023

**REVISIONS**

NO.	DATE	DESCRIPTION
1		
2		
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7		

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e-mail: andrew@travispruitt.com

**Travis Pruitt & Associates, Inc.**  
SURVEYING • CIVIL ENGINEERING • LANDSCAPE ARCHITECTURE

**RIVER GLEN DREDGING**

3441 & 3443 HOLLY TRAIL LANE LAND LOT 23 1ST DISTRICT 1ST SECTION JOHNS CREEK FULTON COUNTY, GEORGIA

DET 3

**GEORGIA REGISTERED PROFESSIONAL ENGINEER**  
10/09/23  
ANDREW GARETH BLANEY

For The Firm  
Travis Pruitt & Associates, Inc.

DATE: 04-11-2023  
SCALE: N/A  
CN: 230128DT  
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SHEET NO: C6.3