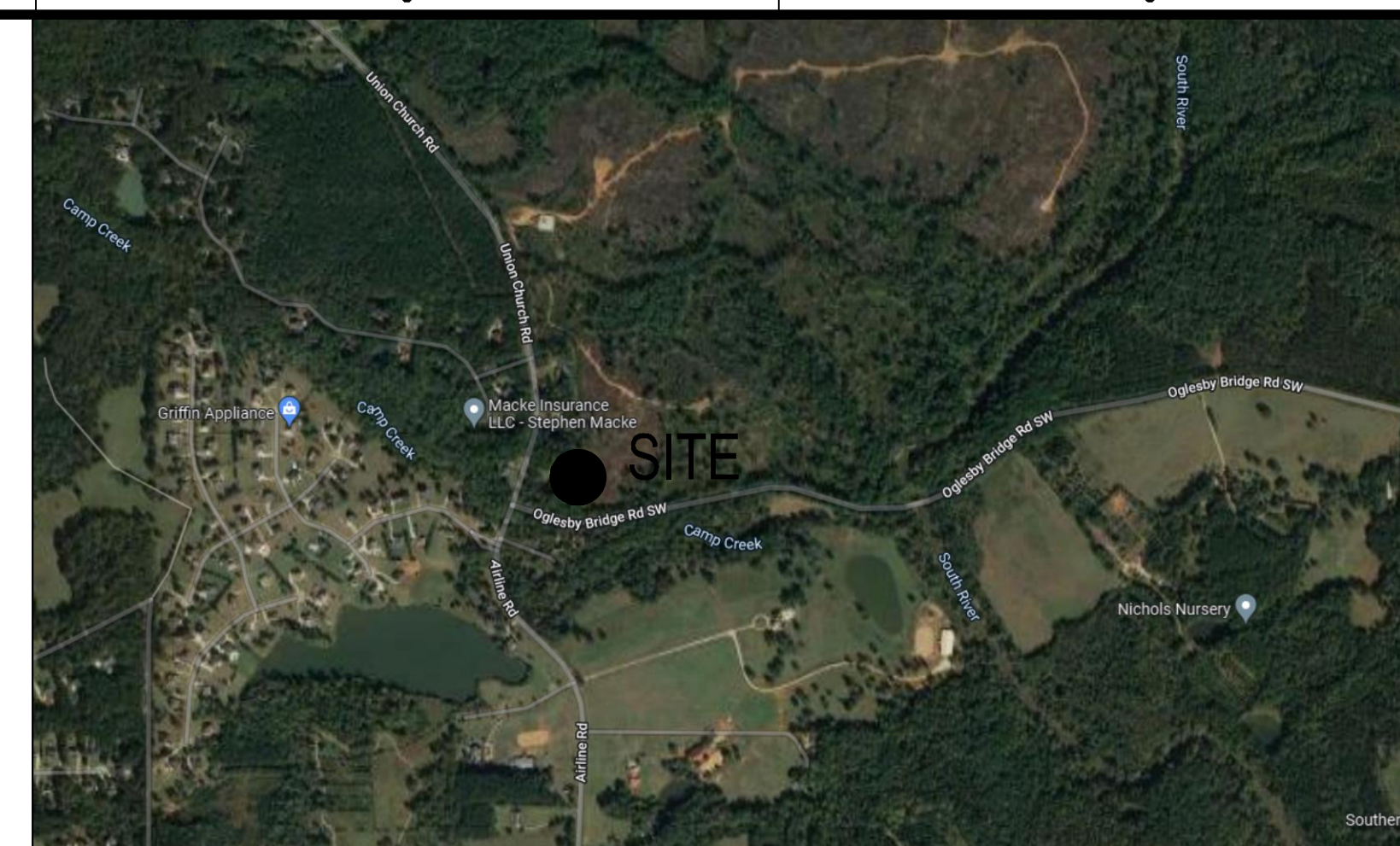


# SITE DEVELOPMENT PLANS FOR KAYAK TAKEOUT-SOUTH RIVER WATER TRAIL SITE 3

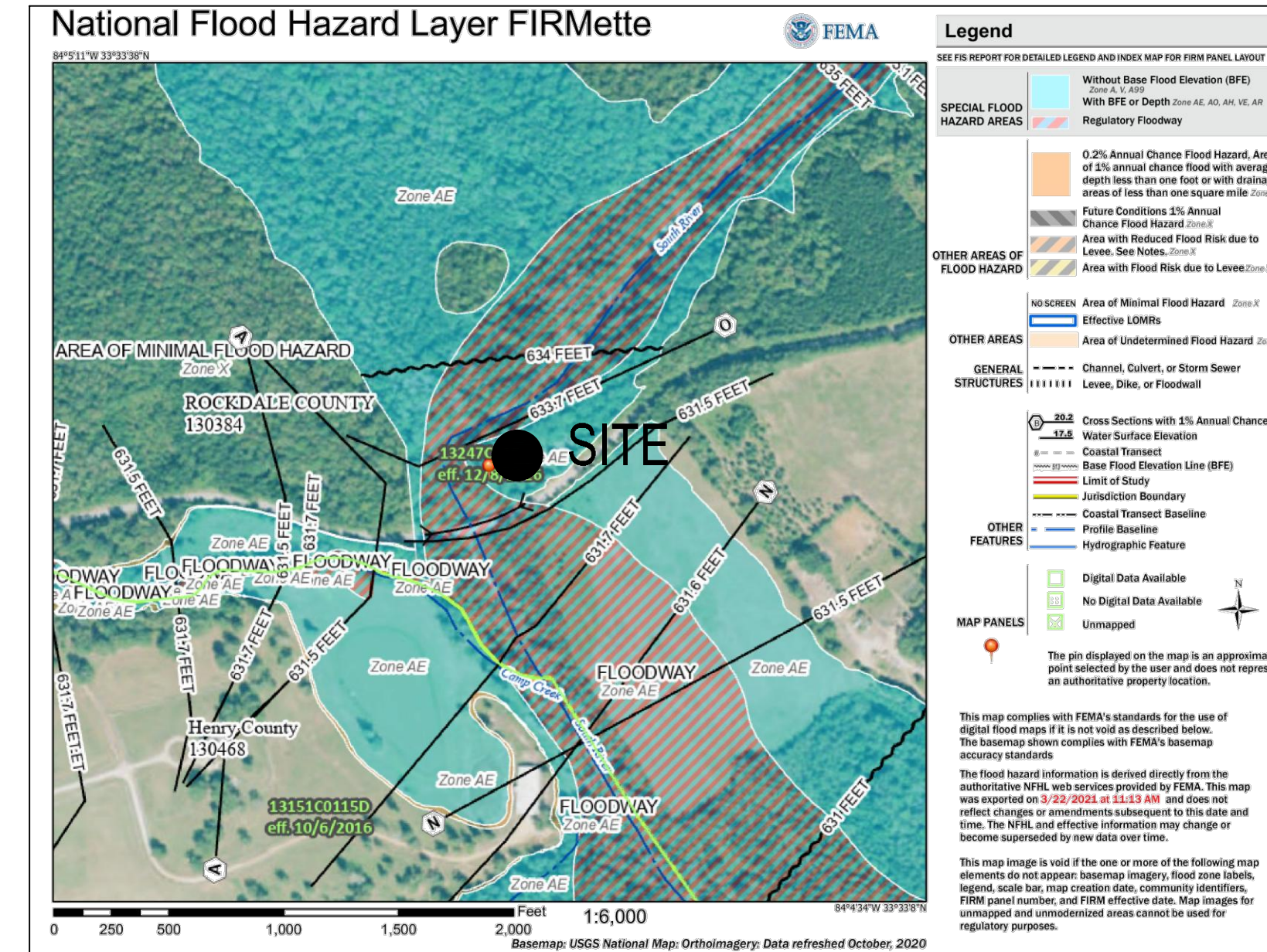
032-002-0057  
OGLESBY BRIDGE RD SW  
CONYERS GA 30094  
ZONING - AR

## S H E E T I N D E X

Sheet Number	Sheet Title
CV-1.0	COVER SHEET
C-1.1	GENERAL NOTES
C-2.2	LAYOUT AND STAKING PLAN
C-3.1	GRADING & DRAINAGE PLAN PLAN
C-3.2	STORMWATER MANAGEMENT PROFILES
C-3.3	STORMWATER MANAGEMENT DETAILS
C-3.4	STORMWATER MANAGEMENT DETAILS
C-4.1	EROSION, SEDIMENTATION, & POLLUTION CONTROL PLAN NOTES
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C-4.5	EROSION, SEDIMENTATION, & POLLUTION CONTROL DETAILS
C-4.6	EROSION, SEDIMENTATION, & POLLUTION CONTROL DETAILS
C-5.1	SITE DETAILS
C-5.2	SITE DETAILS

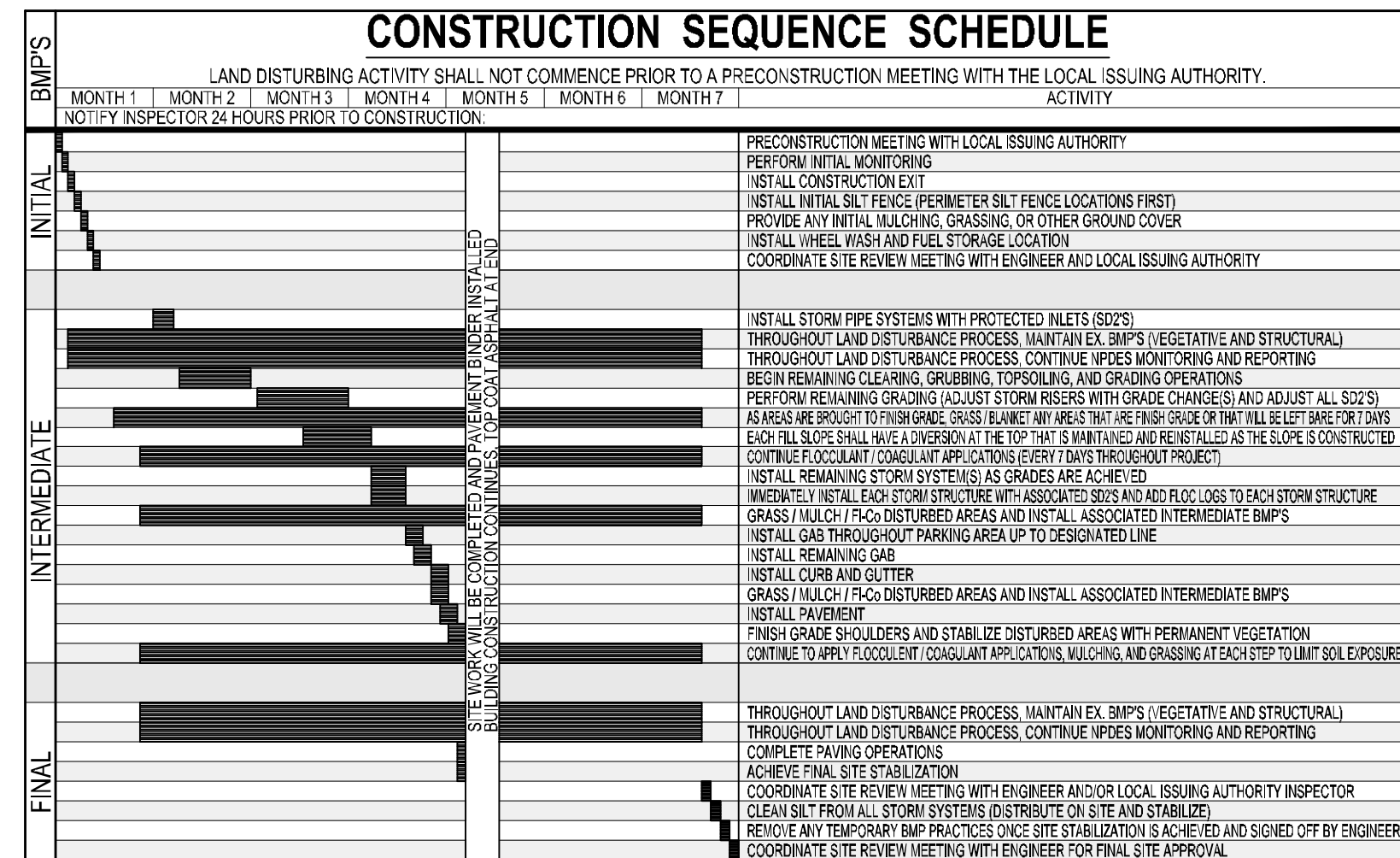


VICINITY MAP NOT TO SCALE  
GPS COORDINATES  
N 33°33'23.53" W 84°04'49.40"  
N 33.556554 W -84.08039



FLOOD MAP NOT TO SCALE

STANDARD ABBREVIATIONS		LEGEND	
APPROX = APPROXIMATE	DI = DIAMETER	GM = GAS METER	OH = OVERHEAD POWER
BLED = BUILDING	DS = DOWNSPOUT	GP = GUY POLE	PB = PLAT BOOK
BM = BENCHMARK	DWBC = DOUBLE-WING CATCH BASIN	GV = GAS VALVE	PF = PILE
CG = CURB AND GUTTER	ESPC = EROSION, SEDIMENTATION, AND POLLUTION CONTROL	IR = IRRIGATION CONTROL VALVE	PL = PROPERTY LINE
CI = CURB INLET	FC = FIRE DEPARTMENT CONNECTION	INP = INVERT ELEVATION	POB = POINT OF BEGINNING
CL = CHAIN LINK	FFC = FIRE FLOOR CONNECTION	IMP = IMPERVIOUS	PT = POINT
CM = CORRUGATED METAL PIPE	FE = FRESH FLOOR ELEVATION	IPF = IRON PIPE FOUND	PVC = POLY(VINYL CHLORIDE) PIPE
CO = CLEANOUT	FFH = FIRE HYDRANT	IS = IRON SINK	RS = REINFORCED CONCRETE PIPE
CP = CORRUGATED PLASTIC PIPE	FFO = FIRE OPTIC	LA = LOCAL ISSUING AUTHORITY	RCP = REINFORCED CONCRETE PIPE
CPH = CAMP TOP FOUND	FF = FEET	LA = LOCAL ISSUING AUTHORITY	RH = RIGHT OF WAY
DB = DEED BOOK	GI = GRATE INLET	NTS = NOT TO SCALE	SM = STORM MANHOLE



SITE INFORMATION	
THE TOTAL 1.81 ACRES OF EXISTING UNDEVELOPED AREA WILL BE PARTIALLY DEVELOPED FOR A PARKING AREA AND SIDEWALK ACCESS TO THE RIVER.	
ZONING - ROCKDALE COUNTY (ZONING)	AR
PROPERTY AREA	1.81 ACRES
DISTURBED AREA	1.28 AC
MINIMUM LOT SIZE	NA
MINIMUM LOT WIDTH	NA
MINIMUM FRONT SETBACK	NA
MINIMUM SIDE SETBACK	NA
MINIMUM REAR SETBACK	NA
MINIMUM OPEN SPACE	NA
MAXIMUM IMPERVIOUS %	NA

MISCELLANEOUS INFORMATION	
SIGNAGE	SIGNAGE SHALL BE HANDLED UNDER A SEPARATE PERMIT
SITE LIGHTING	SITE LIGHTING IS NOT A PART OF THE CIVIL PLANS (SITE WORK CONSTRUCTION DRAWINGS), SIGN LIGHTING PROVIDED BY OTHERS UNDER SEPARATE COVER
SOIL SERIES	TCA-TACCOA AND CONGAREE SOILS (FREQUENTLY FLOODED)
FLOOD PLAIN	THERE IS FLOODPLAIN ON THIS PROPERTY AS PER FIRM PANEL 150468 DATED 12/18/16. WORKS BEING DONE WITHIN A FLOODPLAIN, THE PROPERTY'S DOWN-SLOPE AREAS WITHIN ZONE AE AND PORTIONS ARE WITHIN A SPECIAL FLOOD HAZARD AREA.
STATE WATERS	THERE ARE STATE WATERS PRESENT ON THIS SITE. THERE ARE STATE WATERS PRESENT WITHIN 200' OF THIS SITE. THERE ARE STREAM BUFFERS ON THIS PROPERTY.
HYDROLOGY	NO HYDROLOGY STUDY REQUIRED
WETLAND	THERE ARE NO WETLANDS BEING DISTURBED ON THIS SITE. THE DESIGN PROFESSIONAL, WHOSE SEAL APPEARS HEREON, CERTIFIES THE FOLLOWING: (1) THE NATIONAL WETLANDS INVENTORY MAPS HAVE BEEN CONSULTED AND, WITH APPROPRIATE PLANS SHEET DOES NOT IDENTIFY WETLANDS AS SHOWN ON THE MAP AND (2) WETLANDS ARE INDICATED, THE LAND OWNER OR DEVELOPER SHOULD BE ADVISED THAT THE DISTURBANCE OF PROTECTED WETLANDS SHALL NOT OCCUR UNLESS APPROPRIATE FEDERAL WETLANDS ALTERATION (SECTION 404) PERMIT HAS BEEN OBTAINED. IF WETLANDS ARE IMPACTED BY THIS DEVELOPMENT, A CORPUS OF ENGINEERS PERMIT SHALL BE OBTAINED PRIOR TO DISTURBANCE. ONCE OBTAINED, A COPY OF THE PERMIT SHALL BE KEPT ON-SITE AT ALL TIMES. THE SIGNS OF ENGINEERS APPROVAL, A SEPARATE COPY OF THE PERMIT SHALL BE SUBMITTED TO THE J.A.

**DEVELOPER**  
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JASON P. BROWN  
LEVEL II CERTIFIED  
DESIGN PROFESSIONAL  
#53274 - EXP. 05.01.2023

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CONTACT: -  
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EMAIL: -

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678-387-7081

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EMAIL: treylog@aol.com

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MADISON, GA 30650  
PHONE: 706.342.1104

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Project Information

KAYAK TAKEOUT-SOUTH RIVER WATER  
TRAIL SITE 3  
OGLESBY BRIDGE RD SW  
CONYERS GA 30094  
ZONING: AR

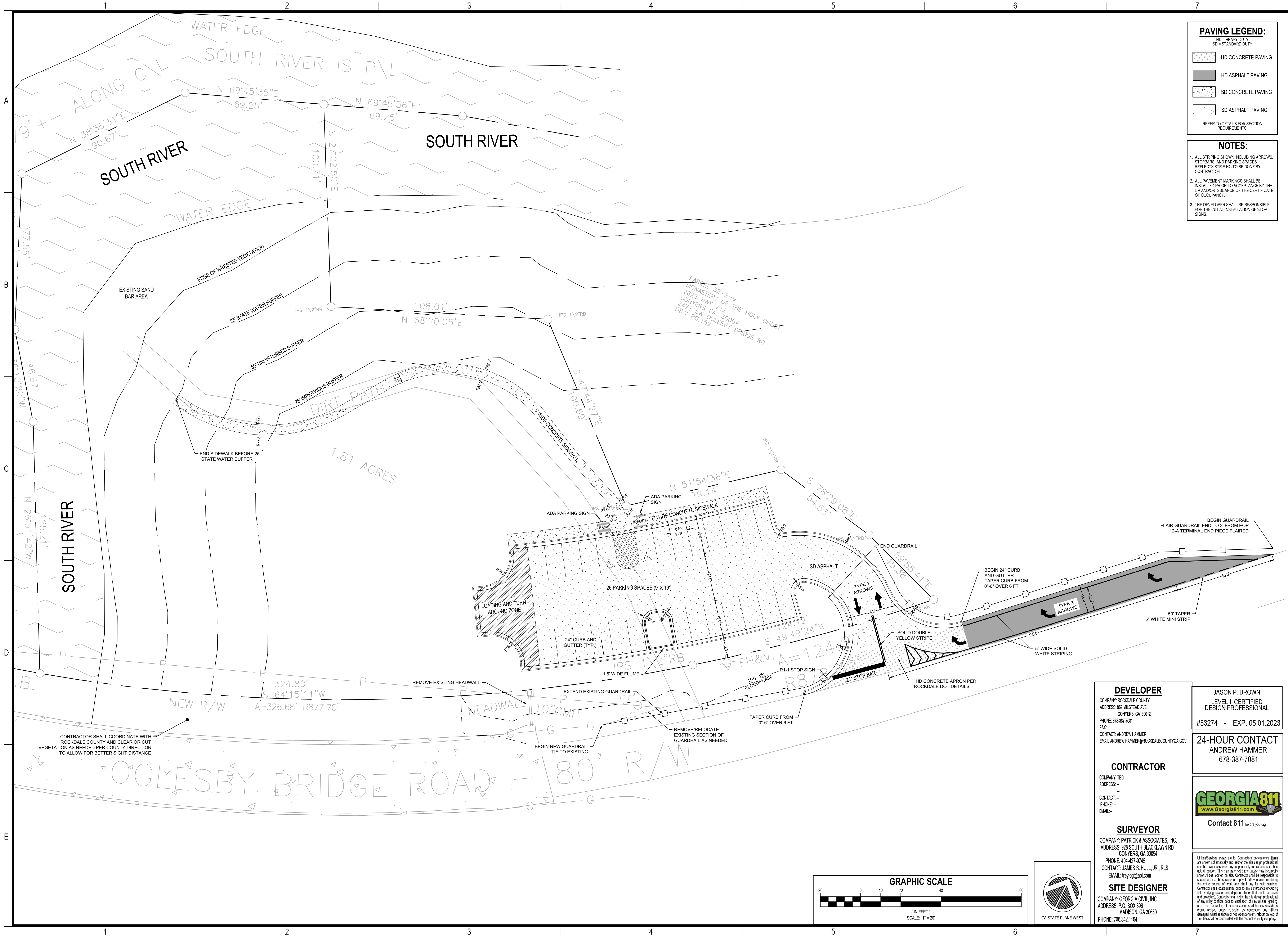
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COVER SHEET  
Sheet Number  
CV-1.0









**PAVING LEGEND:**

HE = HEAVY DUTY  
SD = STANDARD DUTY

[Pattern]	HD CONCRETE PAVING
[Pattern]	HD ASPHALT PAVING
[Pattern]	SD CONCRETE PAVING
[Pattern]	SD ASPHALT PAVING

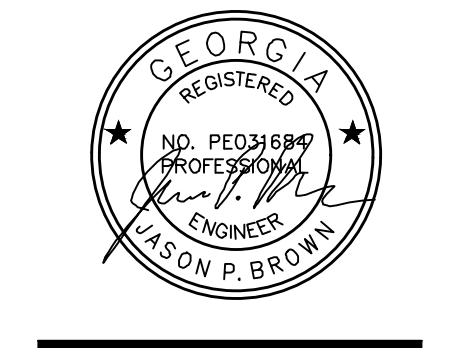
REFER TO DETAILS FOR SECTION REQUIREMENTS.

- NOTES:**
1. ALL STRIPING SHOWN INCLUDING ARROWS, STOPBARS, AND PARKING SPACES REFLECTS STRIPING TO BE DONE BY CONTRACTOR.
  2. ALL PAVEMENT MARKINGS SHALL BE INSTALLED PRIOR TO ACCEPTANCE BY THE LA AND/OR ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.
  3. THE DEVELOPER SHALL BE RESPONSIBLE FOR THE INITIAL INSTALLATION OF STOP SIGNS.

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**KAYAK TAKEOUT-SOUTH RIVER WATER TRAIL SITE 3**  
OGLESBY BRIDGE RD SW  
CONVERS GA 30094  
ZONING: AR

**DEVELOPER**  
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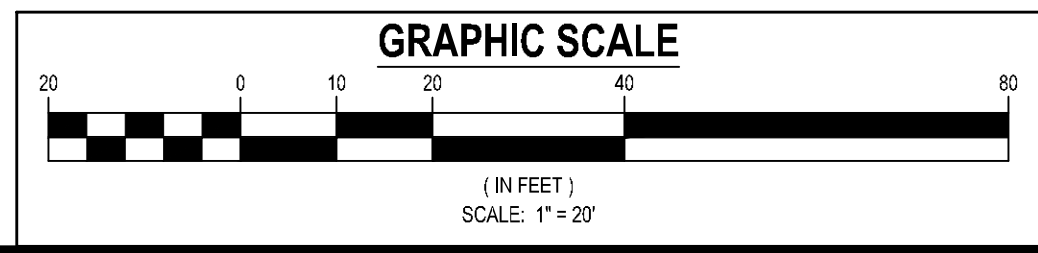
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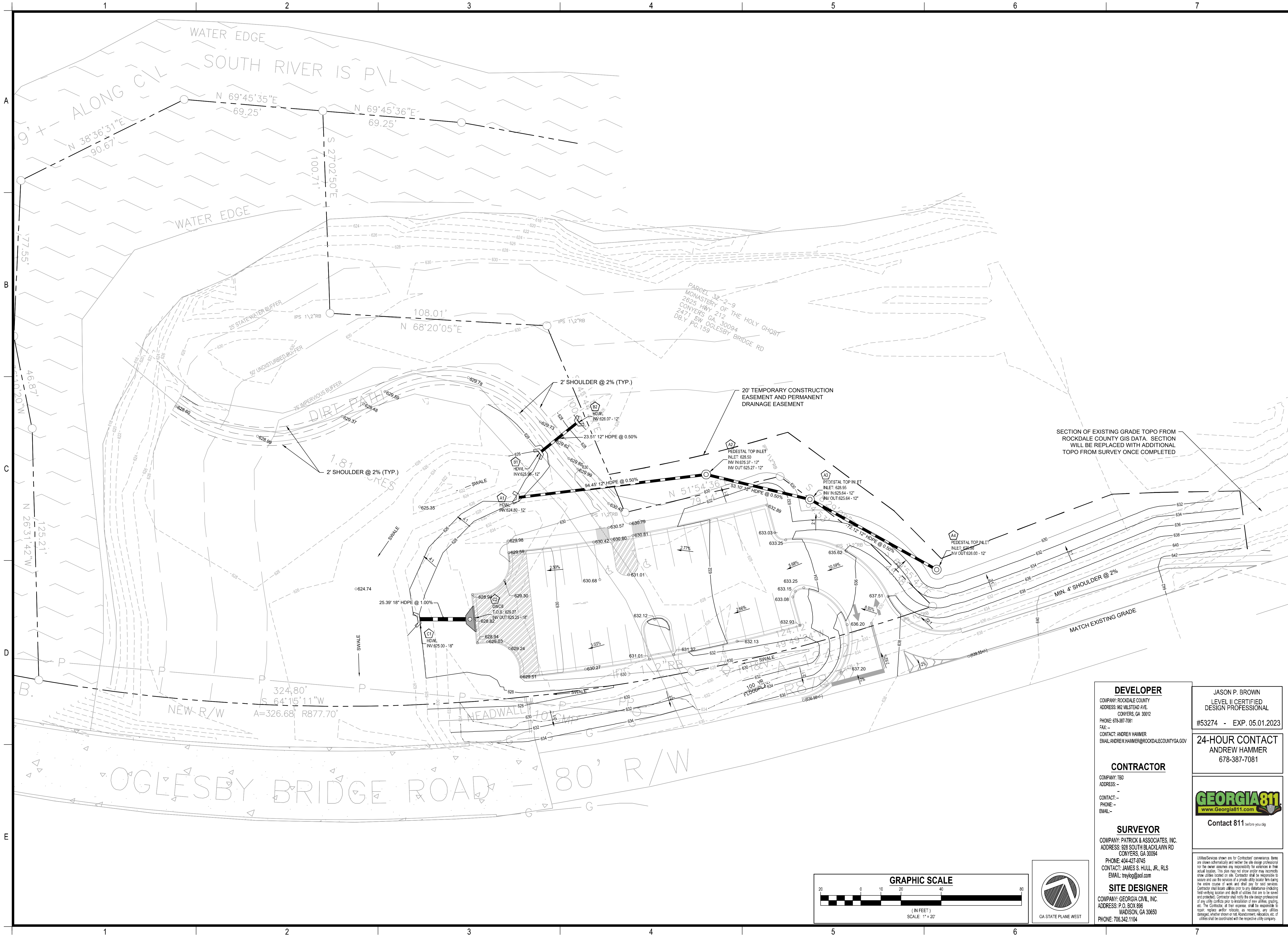
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LAYOUT AND STAKING PLAN

Sheet Number  
**C-2.2**





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Project Information

**KAYAK TAKEOUT-SOUTH RIVER WATER TRAIL SITE 3**  
 OGLESBY BRIDGE RD SW  
 CONYERS GA 30094  
 ZONING: AR

SECTION OF EXISTING GRADE TOPO FROM ROCKDALE COUNTY GIS DATA. SECTION WILL BE REPLACED WITH ADDITIONAL TOPO FROM SURVEY ONCE COMPLETED

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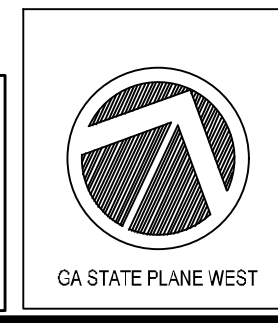
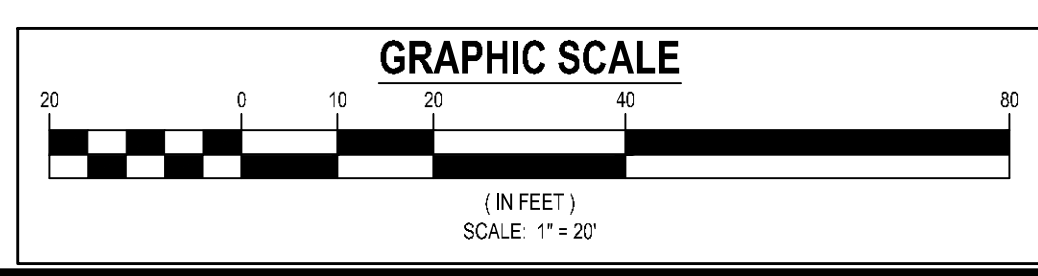
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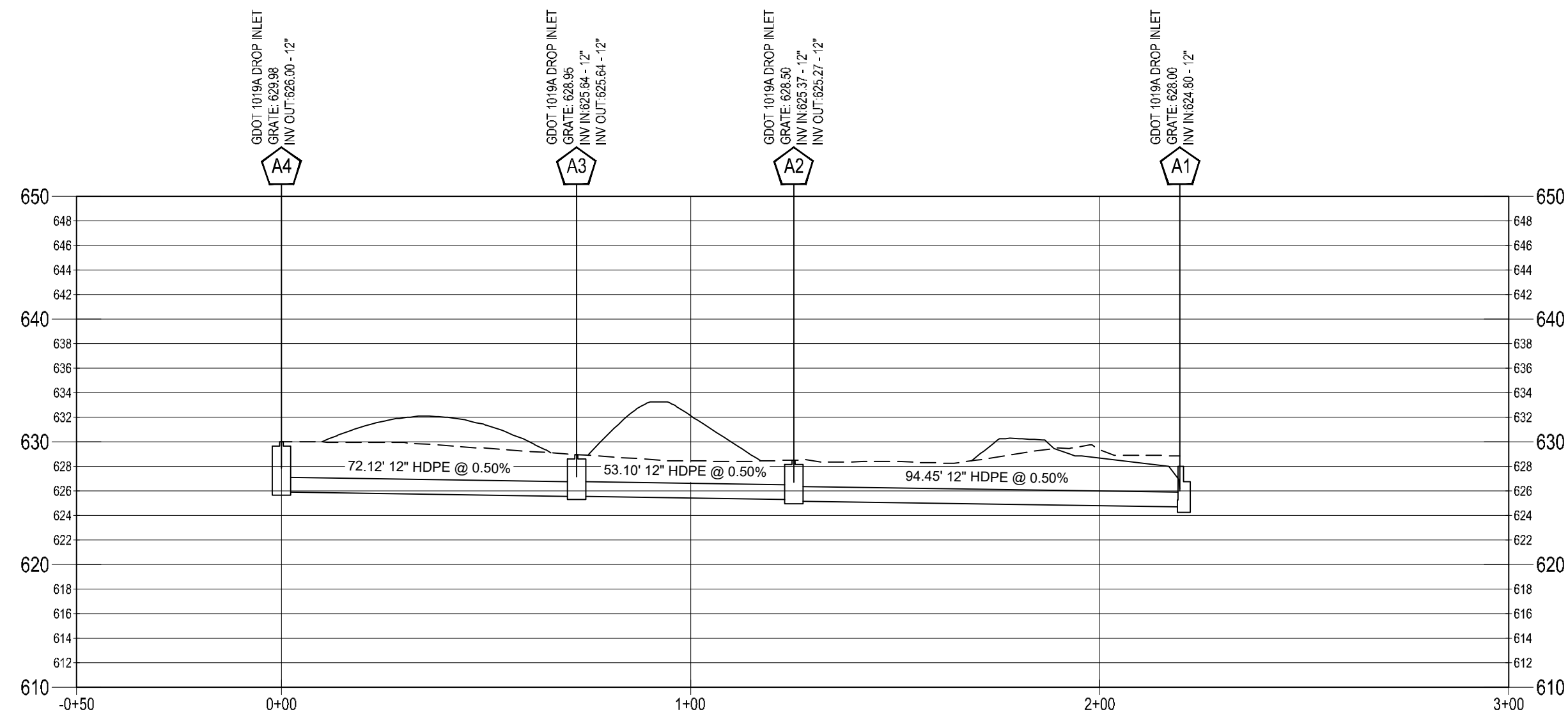
GRADING & DRAINAGE PLAN PLAN

Sheet Number  
**C-3.1**

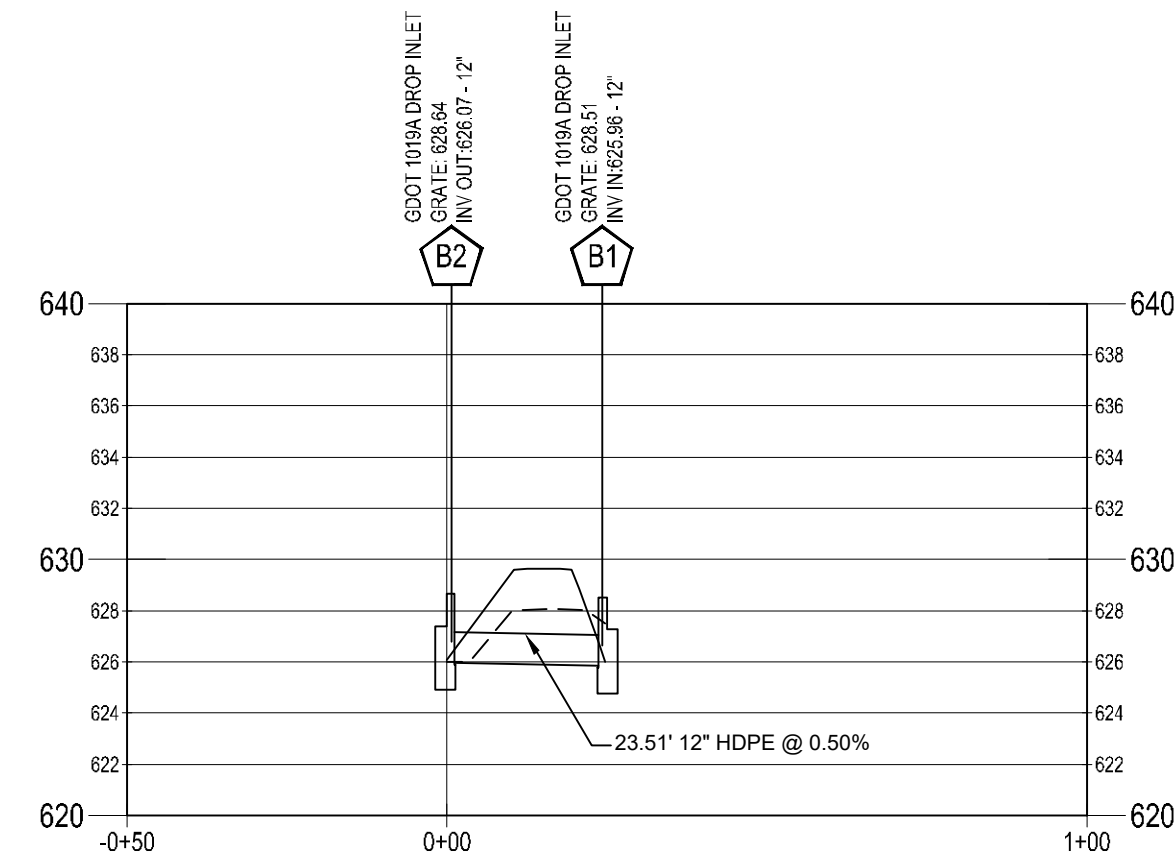




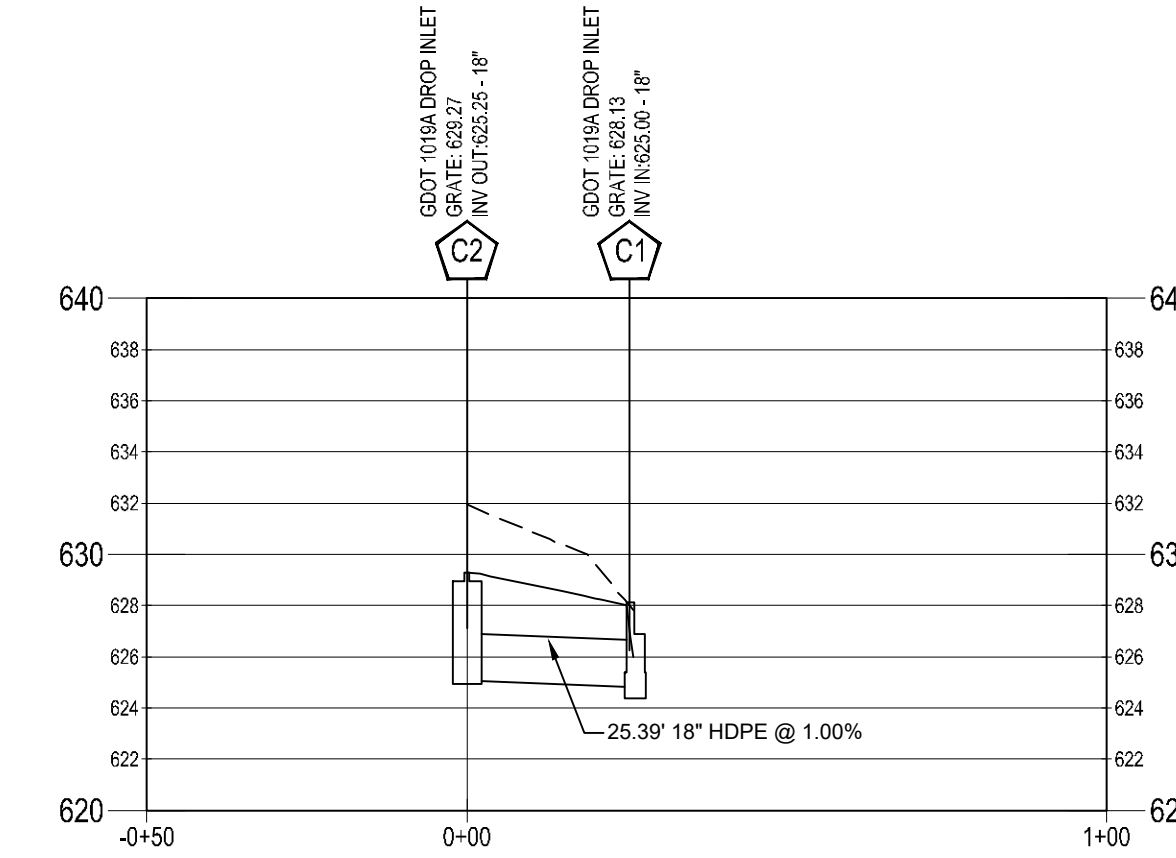
**STORM A PROFILE  
STA. -0+50 TO STA. 3+00**



**STORM B PROFILE  
STA. -0+50 TO STA. 1+00**



**STORM C PROFILE  
STA. -0+50 TO STA. 1+00**



**PROFILE LEGEND:**  
 PROPOSED GRADE  
 EXISTING GRADE  
 SCALE:  
 VER: 1"=40' HOR: 1"=10'

**25 YR STORM PIPE CHART**

Line	ToLine	LineLength (ft)	Incr.Area (ac)	TotalArea (ac)	RunoffCoeff. (C)	IncrC x A	TotalC x A	InletTime (min)	TimeConc (min)	RnfallInt (in/hr)	TotalRunoff (cfs)	AdnlFlow (cfs)	TotalFlow (cfs)	CapacFull (cfs)	Veloc (ft/s)	PipeSize (in)	PipeSlope (%)	Inv ElevDn (ft)	Inv ElevUp (ft)	HGLDn (ft)	HGLUp (ft)	Grnd/RimDn (ft)	Grnd/RimUp (ft)	Line ID
1	Outfall	23.506	0.15	0.15	0.15	0.02	0.02	5	5	9.3	0.21	0	0.21	2.64	2.05	12	0.47	625.96	626.07	626.15	626.26	627.56	627.68	B2-B1
2	Outfall	94.452	0.24	1.46	0.15	0.04	0.27	5	5.8	8.8	2.37	0	2.37	24.83	4.24	24	1.03	623.4	624.37	623.82	624.9	626.4	633.23	A2-A1
3	2	53.104	0	1.22	0	0	0.23	5	5.4	9	2.09	0	2.09	2.75	3.85	12	0.51	625.37	625.64	626.02	626.29	633.23	628.95	A3-A2
4	3	72.117	1.22	1.22	0.19	0.23	0.23	5	5	9.3	2.15	0	2.15	2.73	3.62	12	0.5	625.64	626	626.41	626.66	628.95	629.98	A4-A3
5	Outfall	25.395	0.36	0.36	0.95	0.34	0.34	5	5	9.3	3.17	0	3.17	8.21	5.31	15	1.38	625.25	625.6	625.79	626.32	628.13	629.27	C2-C1

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 TRAIL SITE 3**  
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 ZONING: AR



PIPE DIAMETER (INCHES)	TYPE	MINIMUM CLASS OF CONCRETE OR MINIMUM THICKNESS OF STEEL AND ALUMINUM																	PIPE DIAMETER (INCHES)
		1-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90					
12	CONCRETE	II	III	IV	V	V	V	V	V	V	V	V	V	V	V	V	V	12	
15	CONCRETE	II	III	IV	V	V	V	V	V	V	V	V	V	V	V	V	V	15	
18	CONCRETE	II	III	IV	V	V	V	V	V	V	V	V	V	V	V	V	V	18	
24	CONCRETE	II	III	IV	V	V	V	V	V	V	V	V	V	V	V	V	V	24	
30	CONCRETE	II	III	IV	V	V	V	V	V	V	V	V	V	V	V	V	V	30	
36	CONCRETE	II	III	IV	V	V	V	V	V	V	V	V	V	V	V	V	V	36	
42	CONCRETE	II	III	IV	V	V	V	V	V	V	V	V	V	V	V	V	V	42	
48	CONCRETE	II	III	IV	V	V	V	V	V	V	V	V	V	V	V	V	V	48	
54	CONCRETE	II	III	IV	V	V	V	V	V	V	V	V	V	V	V	V	V	54	
60	CONCRETE	II	III	IV	V	V	V	V	V	V	V	V	V	V	V	V	V	60	
66	CONCRETE	II	III	IV	V	V	V	V	V	V	V	V	V	V	V	V	V	66	
72	CONCRETE	II	III	IV	V	V	V	V	V	V	V	V	V	V	V	V	V	72	
78	CONCRETE	II	III	IV	V	V	V	V	V	V	V	V	V	V	V	V	V	78	
84	CONCRETE	II	III	IV	V	V	V	V	V	V	V	V	V	V	V	V	V	84	
90	CONCRETE	II	III	IV	V	V	V	V	V	V	V	V	V	V	V	V	V	90	
96	CONCRETE	II	III	IV	V	V	V	V	V	V	V	V	V	V	V	V	V	96	
102	CONCRETE	II	III	IV	V	V	V	V	V	V	V	V	V	V	V	V	V	102	
108	CONCRETE	II	III	IV	V	V	V	V	V	V	V	V	V	V	V	V	V	108	
114	CONCRETE	II	III	IV	V	V	V	V	V	V	V	V	V	V	V	V	V	114	
120	CONCRETE	II	III	IV	V	V	V	V	V	V	V	V	V	V	V	V	V	120	

TABLE NO. 11 ROUND PIPE - CONCRETE - CORRUGATED STEEL - CORRUGATED ALUMINUM	
PIPE DIAMETER (INCHES)	PIPE DIAMETER (INCHES)
12	12
15	15
18	18
24	24
30	30
36	36
42	42
48	48
54	54
60	60
66	66
72	72
78	78
84	84
90	90
96	96
102	102
108	108
114	114
120	120

R DENOTES SPIRAL RIB PROFILE 3/4" X 3/4" X 1-1/2"  
 TABLE VALUES FOR ALUMINUM SPIRAL RIB PIPE ARE COMPUTED BASED UPON ALCLAD ALLOY 3004-H34 HAVING MINIMUM YIELD STRENGTH, F<sub>y</sub> = 24,000 PSI.  
 IF ALUMINUM PIPE IS OTHERWISE FURNISHED AS 3004-H32 (F<sub>y</sub> = 20,000 PSI), ALLOWABLE FILL HEIGHTS SHALL BE ADJUSTED AS FOLLOWS:  
 A. ALL MINIMUM COVER VALUES SHALL BE INCREASED BY 15 PERCENT. (EXAMPLE: 12 INCHES BECOMES 13.8 INCHES.)  
 B. ALL HEIGHT OF FILL VALUES SHALL BE DECREASED BY 15 PERCENT. (EXAMPLE: 35-40 FEET BECOMES 29.7-34.0 FEET.)  
 MINIMUM COVER VALUES APPLY TO HS-20 LIVE LOAD. MINIMUM COVER NEEDED FOR CONSTRUCTION VEHICLES MAY BE GREATER AND IS THE RESPONSIBILITY OF THE CONTRACTOR.  
 TRENCH CONSTRUCTION IS REQUIRED FOR ALL INSTALLATIONS.

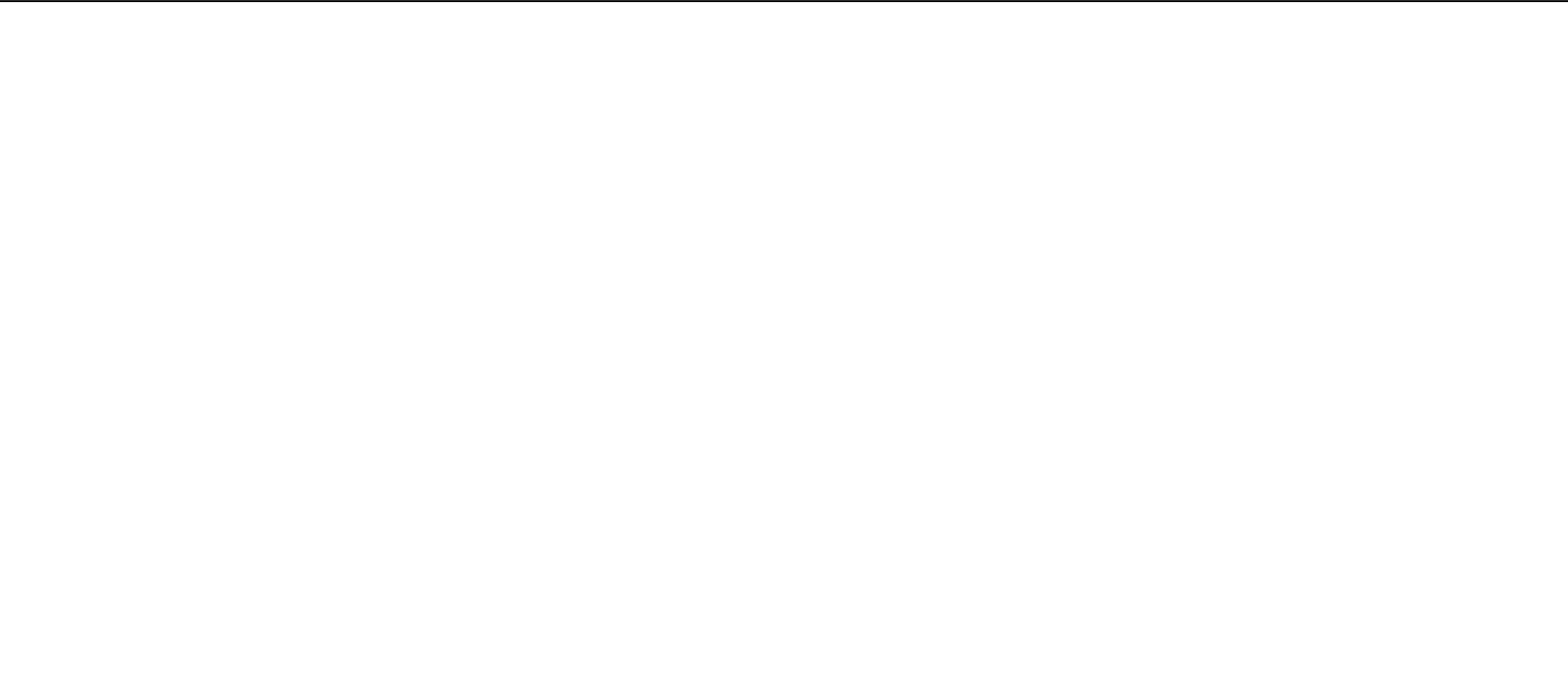
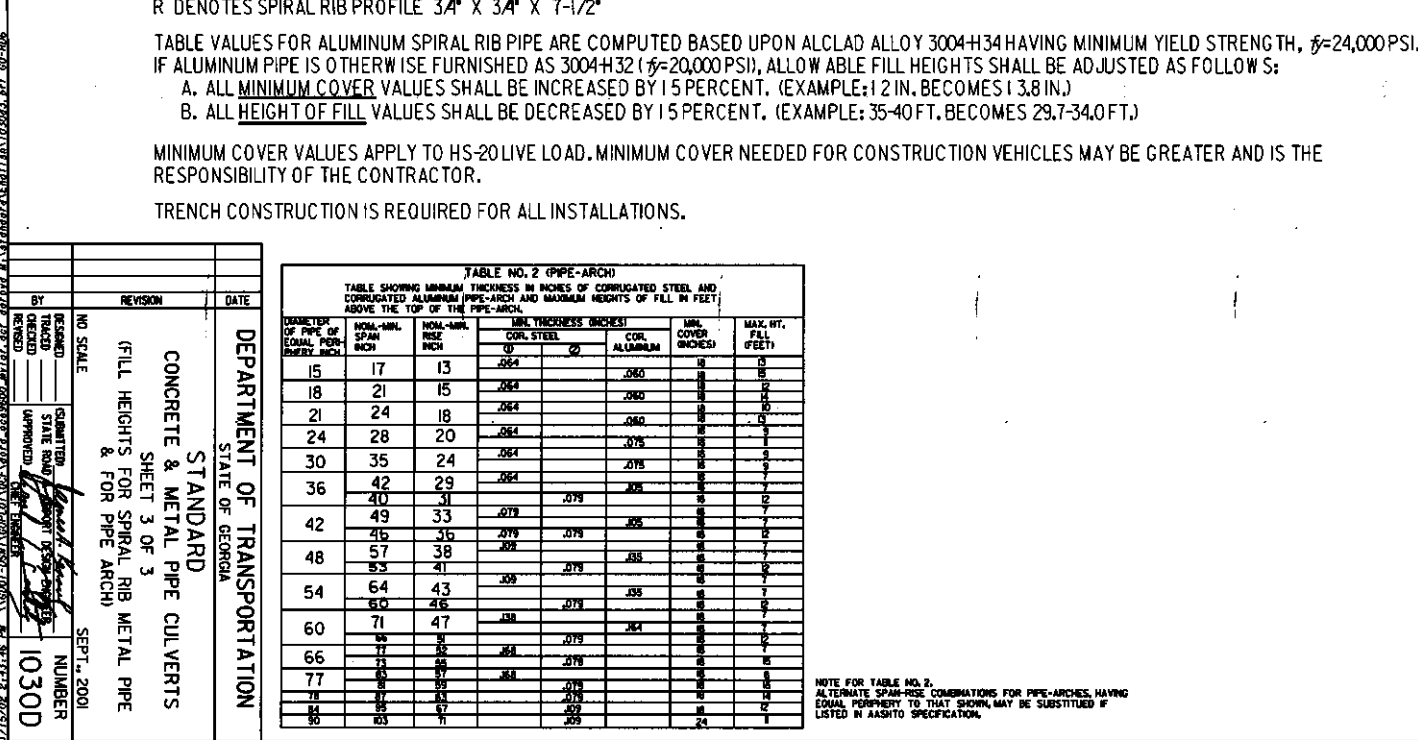


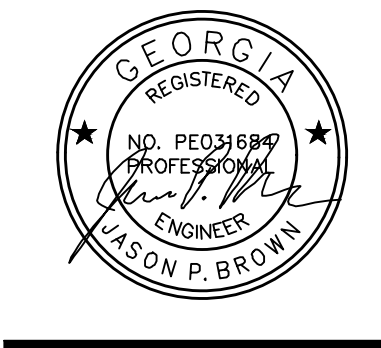
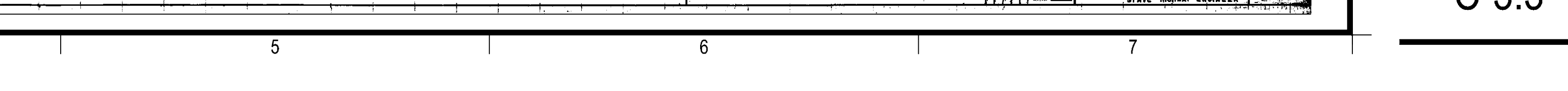
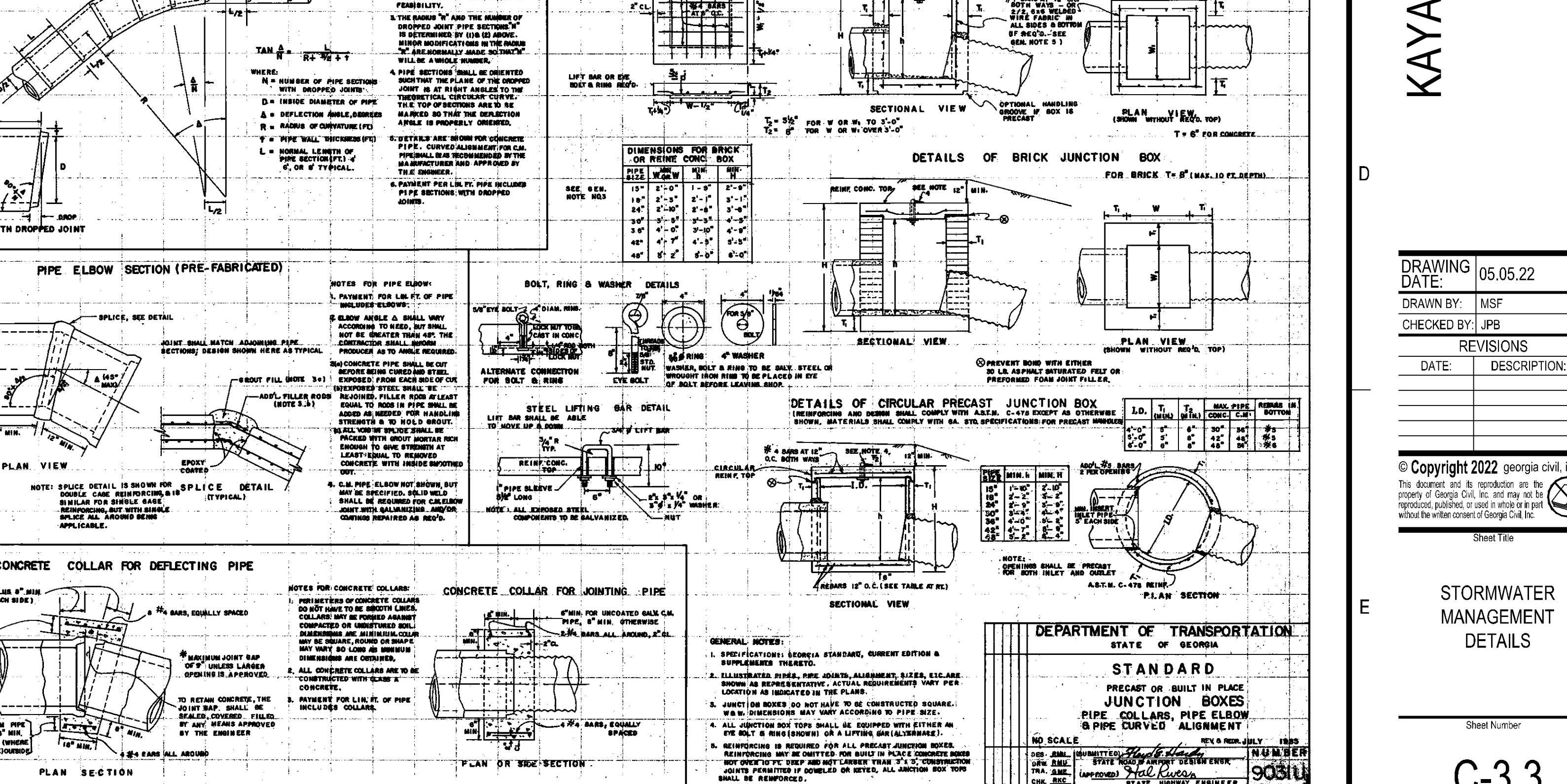
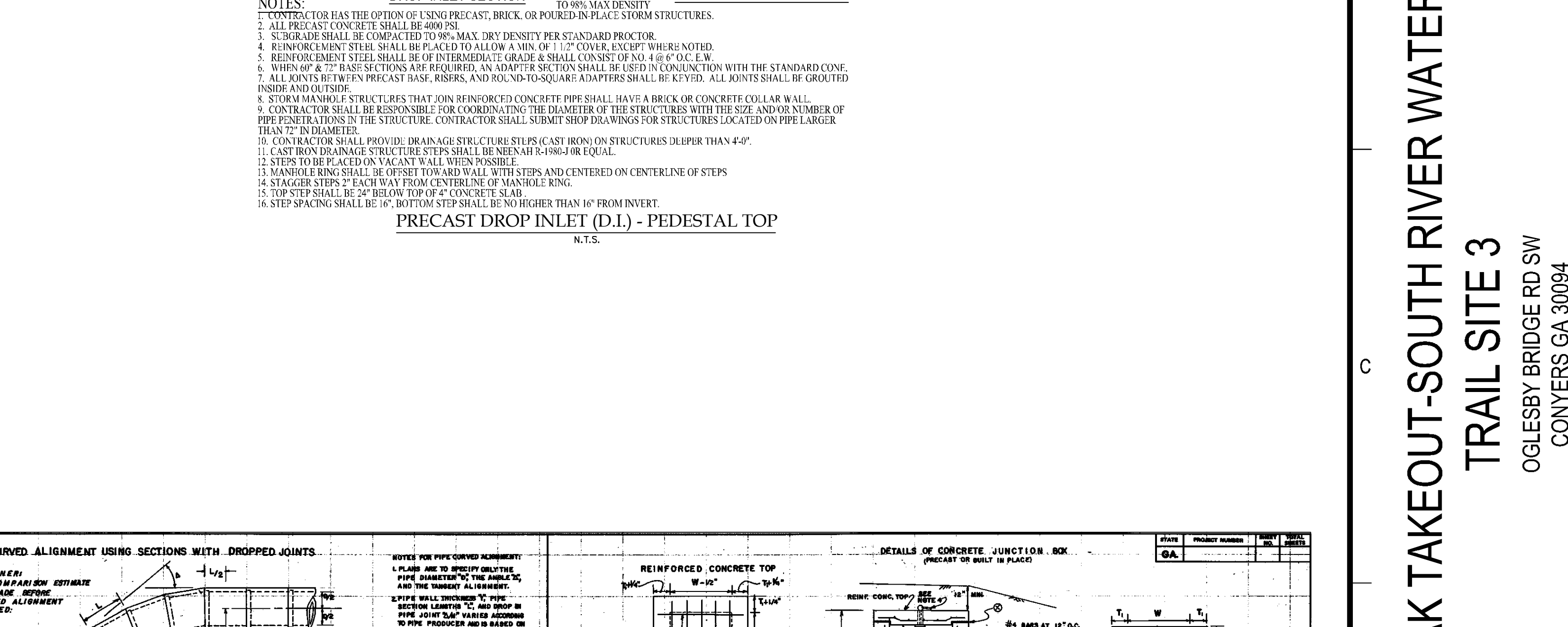
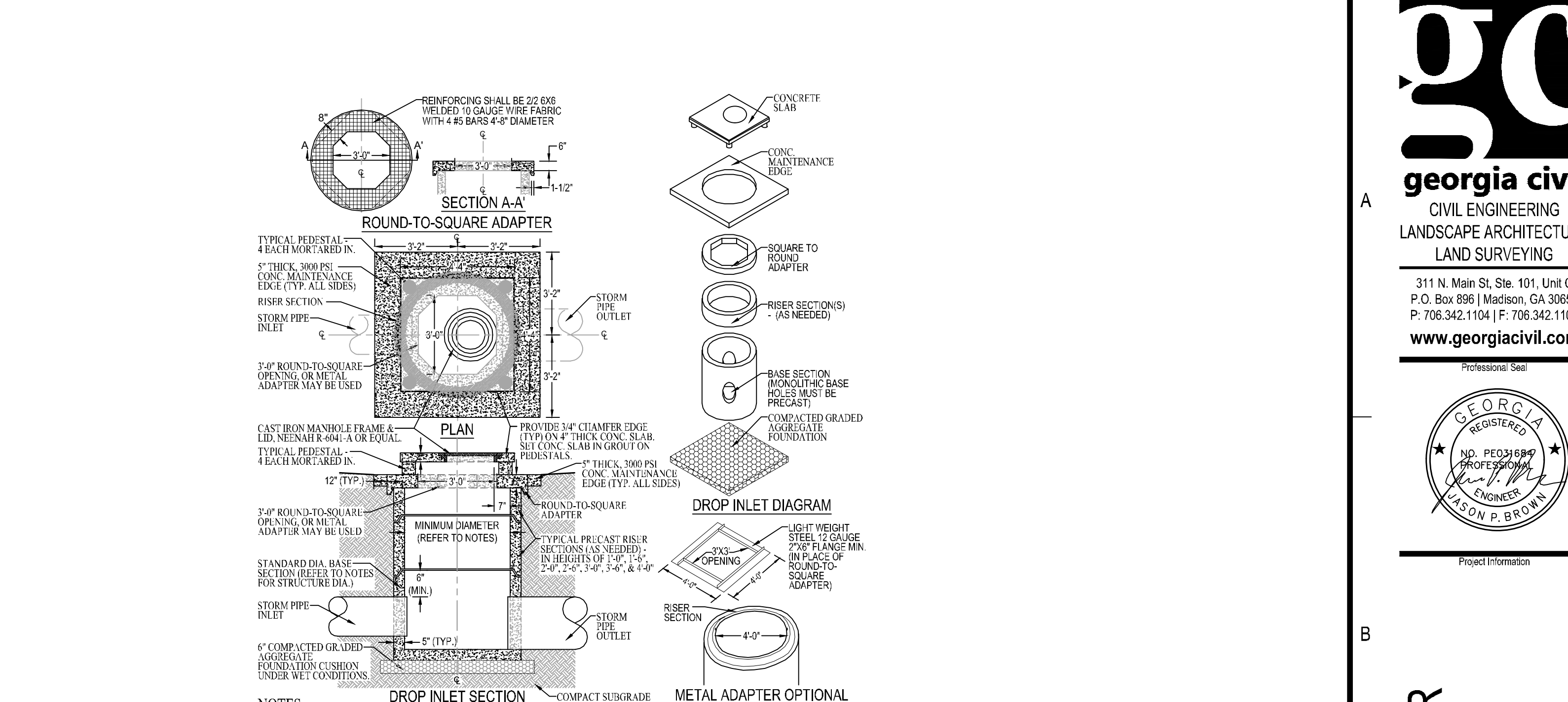
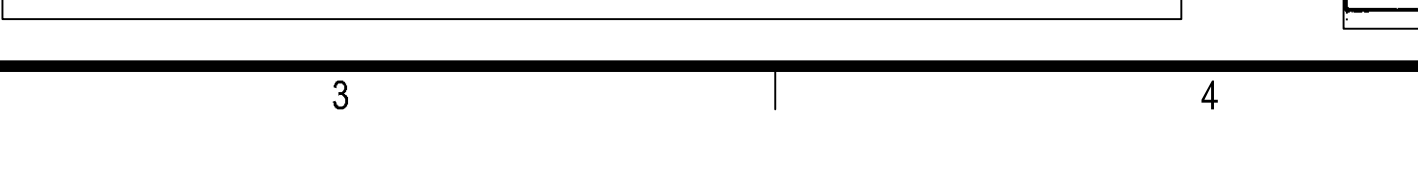
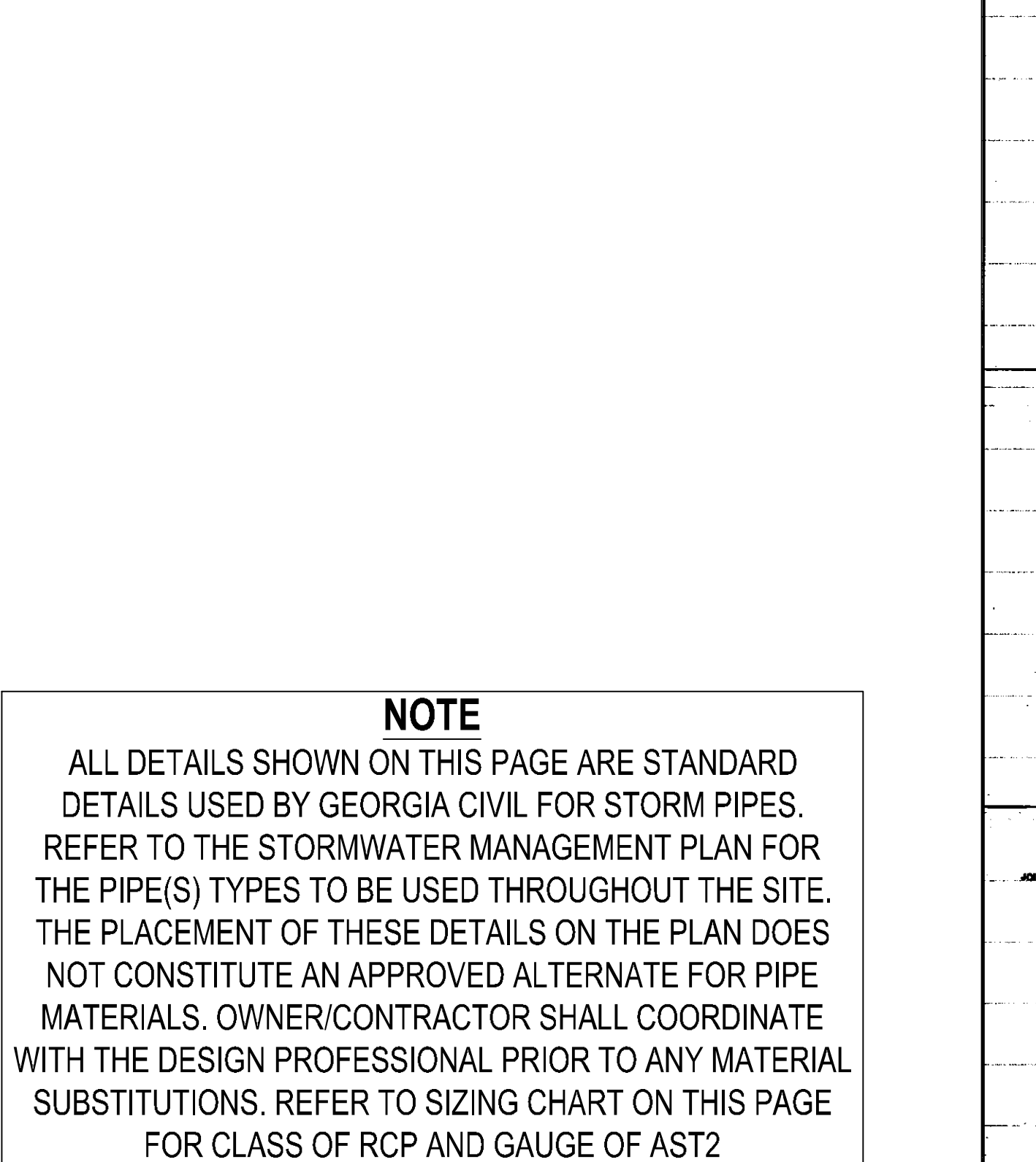
TABLE 2. MAXIMUM COVER FOR ADS-N-12 HP PIPE ALTERNATE INSTALLATION, B (W=120)			
PIPE DIA.	CLASS I	CLASS II	CLASS III
12" (300mm)	15 (3.66)	14.1 (3.58)	11.8 (3.00)
15" (375mm)	15.7 (3.98)	14.7 (3.69)	12.4 (3.15)
18" (450mm)	16.4 (4.16)	15.4 (3.91)	13.1 (3.32)
24" (600mm)	18.0 (4.57)	16.7 (4.24)	14.1 (3.58)
30" (750mm)	19.7 (4.99)	18.1 (4.59)	15.2 (3.85)
36" (900mm)	21.4 (5.41)	19.6 (4.96)	16.4 (4.17)
42" (1050mm)	23.1 (5.83)	21.2 (5.39)	17.7 (4.49)
48" (1200mm)	24.8 (6.25)	22.9 (5.81)	19.1 (4.82)
54" (1350mm)	26.5 (6.67)	24.6 (6.23)	20.6 (5.14)
60" (1500mm)	28.2 (7.09)	26.4 (6.65)	22.1 (5.57)

**NOTE**  
 ALL DETAILS SHOWN ON THIS PAGE ARE STANDARD DETAILS USED BY GEORGIA CIVIL FOR STORM PIPES. REFER TO THE STORMWATER MANAGEMENT PLAN FOR THE PIPE(S) TYPES TO BE USED THROUGHOUT THE SITE. THE PLACEMENT OF THESE DETAILS ON THE PLAN DOES NOT CONSTITUTE AN APPROVED ALTERNATE FOR PIPE MATERIALS. OWNER/CONTRACTOR SHALL COORDINATE WITH THE DESIGN PROFESSIONAL PRIOR TO ANY MATERIAL SUBSTITUTIONS. REFER TO SIZING CHART ON THIS PAGE FOR CLASS OF RCP AND GAUGE OF AST2

TABLE NO. 12 ROUND PIPE - SPIRAL RIB STEEL - SPIRAL RIB ALUMINUM	
PIPE DIAMETER (INCHES)	PIPE DIAMETER (INCHES)
12	12
15	15
18	18
24	24
30	30
36	36
42	42
48	48
54	54
60	60
66	66
72	72
78	78
84	84
90	90
96	96
102	102
108	108
114	114
120	120



PIPE DIA.	MIN TRENCH WIDTH
12" (300mm)	36" (900mm)
15" (375mm)	39" (975mm)
18" (450mm)	42" (1050mm)
24" (600mm)	48" (1200mm)
30" (750mm)	54" (1350mm)
36" (900mm)	60" (1500mm)
42" (1050mm)	66" (1650mm)
48" (1200mm)	72" (1800mm)
54" (1350mm)	78" (1950mm)
60" (1500mm)	84" (2100mm)



**KAYAK TAKEOUT-SOUTH RIVER WATER TRAIL SITE 3**  
 OGLESBY BRIDGE RD SW  
 CONYERS GA 30004  
 ZONING: AR

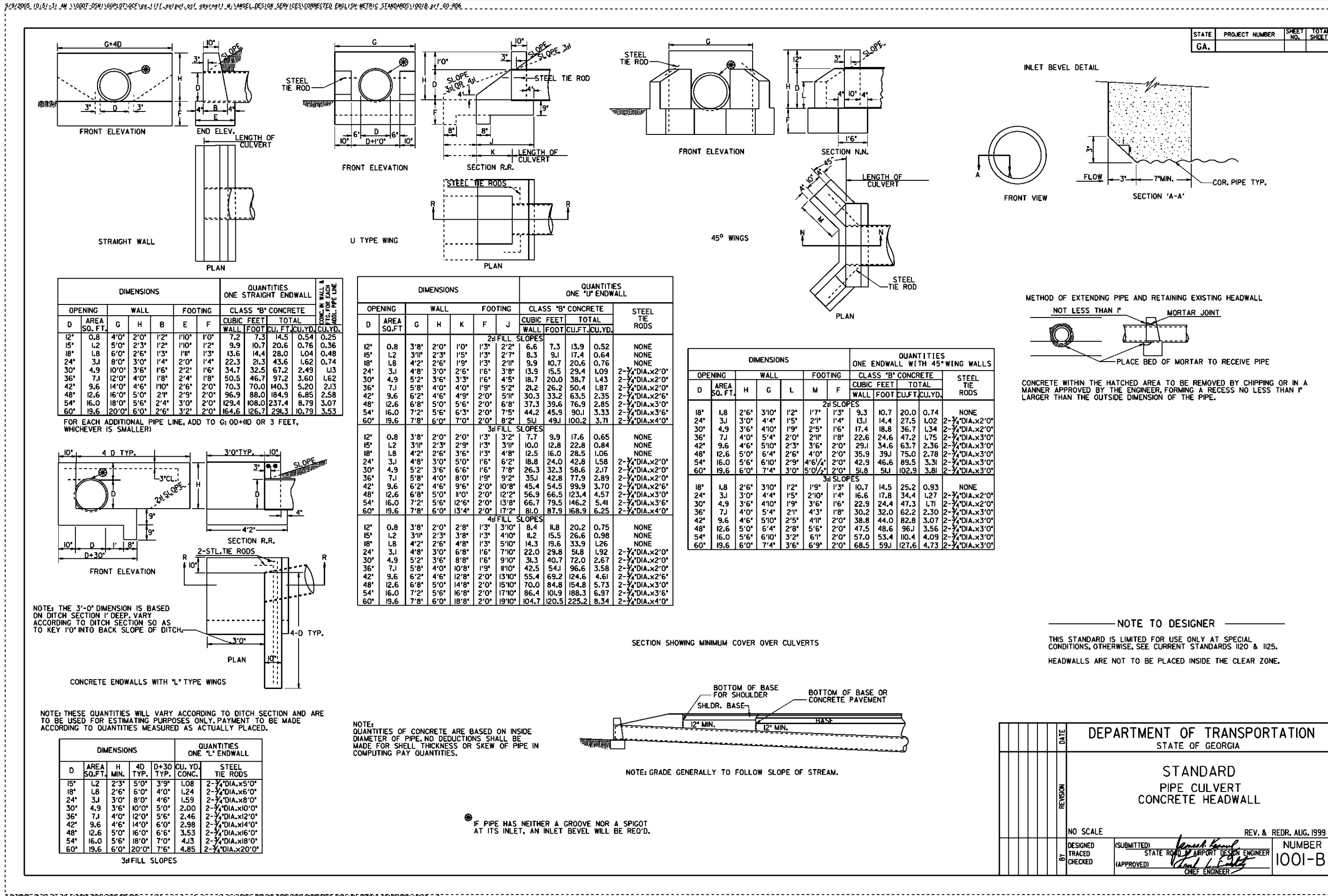
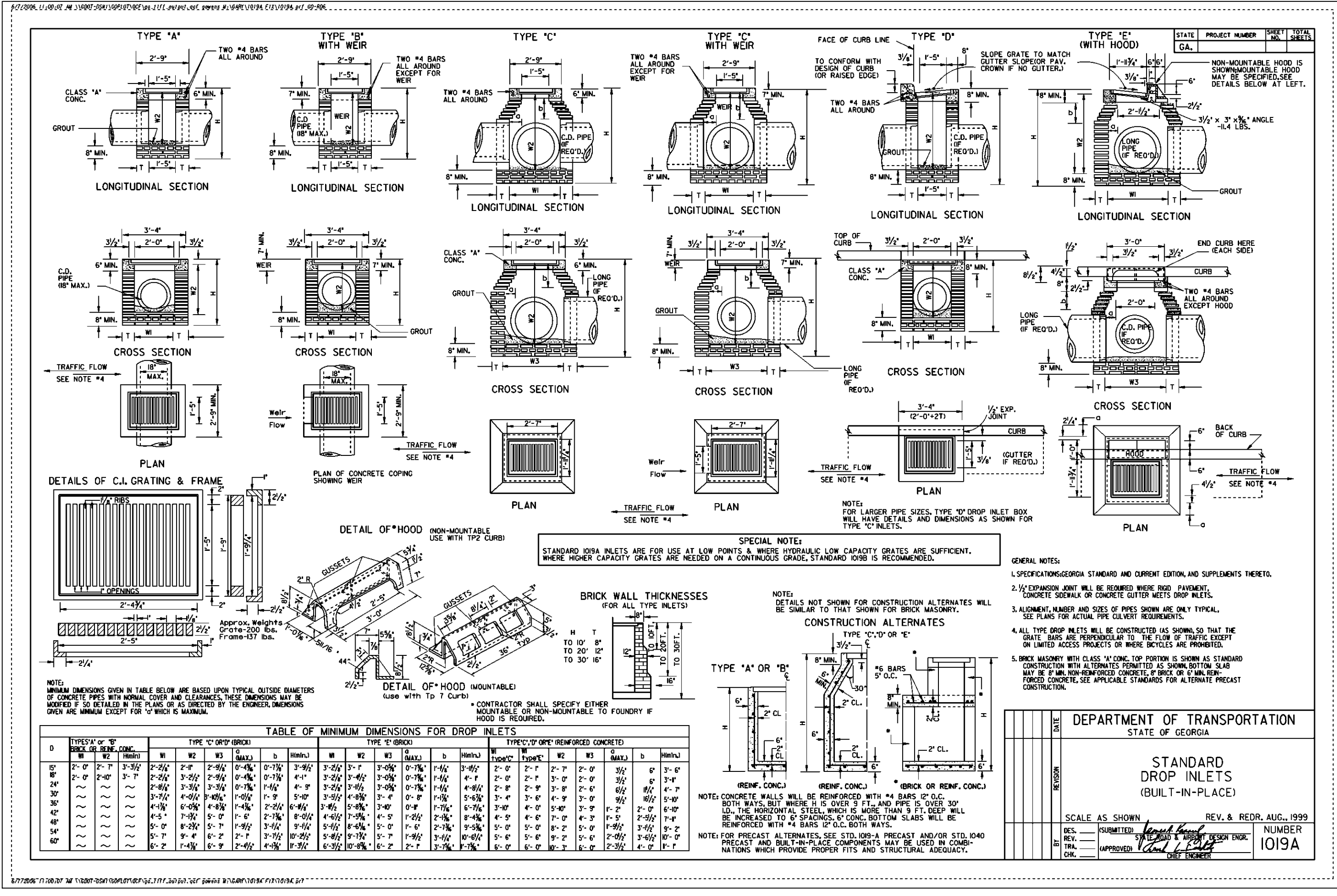
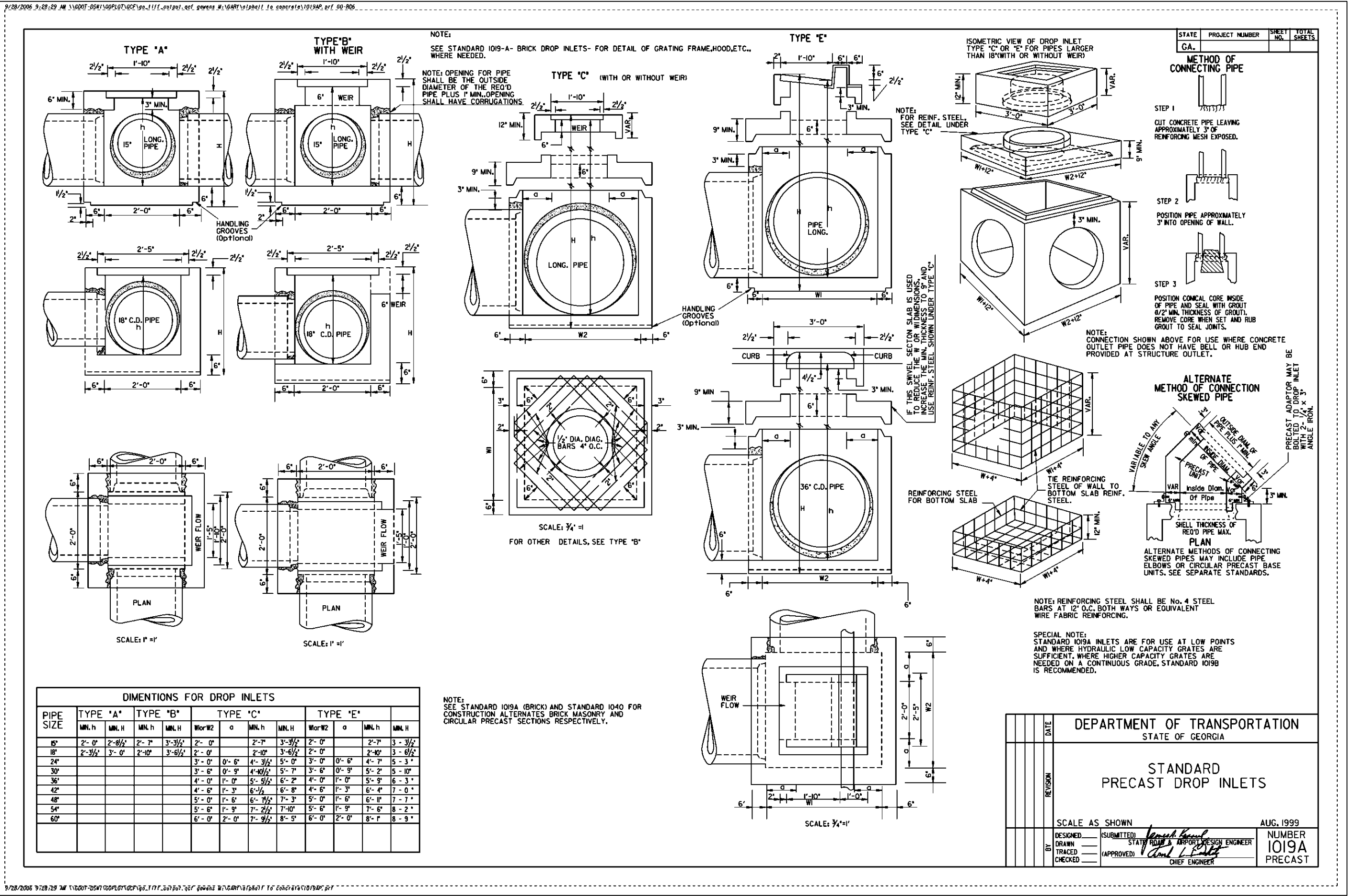
DRAWING DATE: 05.05.22  
 DRAWN BY: MSF  
 CHECKED BY: JPB  
 REVISIONS:  
 DATE: DESCRIPTION:

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STORMWATER MANAGEMENT DETAILS

Sheet Number  
**C-3.3**





DRAWING DATE:	05.05.22
DRAWN BY:	MSF
CHECKED BY:	JPB
DATE:	DESCRIPTION:

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CONTACT INFORMATION: OWNER/DEVELOPER, CONTRACTOR, SITE DESIGNER, 24-HOUR CONTACT, PROJECT LOCATION, NATURE OF CONSTRUCTION ACTIVITY, ESTIMATE OF RUNOFF COEFFICIENT OF PEAK DISCHARGE, VICINITY MAP, EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN CERTIFICATION, STATE WATERS BUFFER STATEMENT, BUFFER ENCROACHMENTS DESCRIPTION AND VARIANCE, GSWCC EROSION CONTROL NOTES, INTENDED LAND DISTURBANCE CONSTRUCTION ACTIVITY SEQUENCE, CRITICAL AREAS AND NOTIFICATIONS

CONCRETE WASHOUT: Contractor shall install a concrete washout. This area is only for the washout of items such as tools, concrete mixer chutes, hoppers and the rear of the vehicles. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.

WASTE DISPOSAL, SANITARY SEWER, SEPTIC TANK REGULATIONS (ES&PC PLAN COMPLIANCE): Construction Debris shall be recycled to the extent deemed practical by Owner/Contractor. All waste generated from the development of this site including but not limited to, solid waste, liquid waste, chemical waste, construction waste, sanitary sewer discharge, silt, tanks and septic systems waste, shall be collected and disposed of in a manner that follows all local, state, and federal laws and regulations for collection and disposal of each type of waste.

BMP'S FOR PETROLEUM SPILLS AND LEAKS: 1. Fix any leaks immediately, maintain and clean equipment regularly. 2. Designate areas for equipment maintenance and fueling that are located on level ground and away from any water sources.

CONSTRUCTION MATERIALS: Contractor shall at all times have all construction materials protected from rainfall. Contractor shall utilize tarps, plastic sheeting, roof cover, trailers or any other method to make sure all construction material is covered at all times during construction.

PRODUCT SPECIFIC PRACTICES: All pollutants from waste disposal practices, soil activities, remediation of soils and leaks of petroleum products, concrete truck washout, etc., should any of these occur, shall be controlled by the implementation of appropriate best management practices. The site will be in compliance with all applicable state and local waste disposal, sanitary sewer or septic system regulations.

STRUCTURAL PRACTICES: ALL STRUCTURAL PRACTICES SHALL BE IMPLEMENTED AS STATED IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA (LATEST EDITION).

MEASURES INSTALLED DURING CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER THAT MAY REMAIN AFTER CONSTRUCTION IS COMPLETE: 1. Floc, 2. S, 3. D, 4. T, 5. G, 6. D, 7. G, 8. G, 9. G, 10. L, 11. R, 12. R, 13. S, 14. W.

POSSIBLE POLLUTANT SOURCES FOR THIS PROJECT: Sediment Loss, Construction Debris, Petroleum Products, Concrete Products, Excess and Grouses, Fertilizers (Overuse), Topsoil Application (Overuse), Paint Products, Asphalt Products. Contractor shall maintain a clean working environment to contain the pollution generated by these and other pollutants that are to be utilized for the construction of this project.

NON-STORM WATER DISCHARGES ALLOWED UNDER PERMIT: 1. Fire fighting activities, 2. Fire hydrant testing, 3. Portable water sources including water fire fighting, 4. Irrigation drainage.

HAZARDOUS WASTES: All hazardous waste materials will be disposed of in the manner specified by local, state and federal regulations and by the manufacturer of such products. The job site superintendent, who will also be responsible for seeing that these practices are followed, must instruct site personnel in these practices.

SANITARY WASTES: A minimum of one portable sanitary unit will be provided for every ten (10) workers on the site. All sanitary waste will be collected from the portable units a minimum of one time per week by a licensed portable facility provider in complete compliance with local and state regulations.

SPILL CLEANUP AND CONTROL PRACTICES: Local, state and manufacturer's recommended methods for spill cleanup will be clearly posted and procedures will be made available to site personnel. Material and equipment necessary for spill cleanup will be kept in the material storage areas.

NON-EXEMPT ACTIVITIES: Where applicable, non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wooded vegetation without first acquiring the necessary variances and permits.

SOIL SERIES (PER NRCS MAPS SOILS ARE SHOWN AS): HC - HAVESVILLE FINE SANDY LOAM 10% TO 15% SLOPES, HE - HAVESVILLE FINE SANDY LOAM 10% TO 25% SLOPES

REFER TO SHEET C-1.1 FOR CONSTRUCTION REQUIREMENTS AND SPECIFICATIONS

REQUIRED INSPECTIONS AND RECORD KEEPING BY THE PRIMARY PERMITEE: NPDES Permit Part IV.E Inspections, 1. Each day any type of construction activity has taken place at a primary permittee's site, a certified personnel provided by the primary permittee shall inspect these inspections must be conducted until a Notice of Termination is submitted.

ANALYTICAL METHODS TO BE USED TO COLLECT AND ANALYZE SAMPLES: NPDES Permit Part IV.E Sampling Requirements, 1. A Sampling Permit Part IV.E is required for all sampling activities. 2. A USGS topographic map, a geologic map or a drawing (referred to as a topographic map) that is a scale equal to or more detailed than 1:24,000 map showing the location of the site or the stand alone construction.

MEASURES INSTALLED DURING CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER THAT MAY REMAIN AFTER CONSTRUCTION IS COMPLETE: 1. Floc, 2. S, 3. D, 4. T, 5. G, 6. D, 7. G, 8. G, 9. G, 10. L, 11. R, 12. R, 13. S, 14. W.

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REFER TO SHEET C-1.1 FOR CONSTRUCTION REQUIREMENTS AND SPECIFICATIONS

VICINITY MAP NOT TO SCALE, GPS COORDINATES, W 84°04'49.0" N 83°33'23.53" S, 33.566554

EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN CERTIFICATION: I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provided for an appropriate and comprehensive system of Best Management Practices (BMPs) required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1, 2011 of the year in which the land disturbing activity was permitted, provided for the sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the Georgia NPDES Permit No. GAR 00001.

STATE WATERS BUFFER STATEMENT: Non-exempt activities shall not be conducted within the 25 or 50 foot undisturbed stream buffers as measured from the point of wooded vegetation or within 25 feet of the coastal marshlands as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits.

BUFFER ENCROACHMENTS DESCRIPTION AND VARIANCE: NONE REQUIRED

GSWCC EROSION CONTROL NOTES: 1. Any 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. 2. Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit.

INTENDED LAND DISTURBANCE CONSTRUCTION ACTIVITY SEQUENCE: Initial Phase: 1. Install Initial Permittee Sign Fence, and Construction Entrance. 2. Coordinate Site Review Meeting with Engineer and/or Local Issuing Authority.

CRITICAL AREAS AND NOTIFICATIONS: 1. Critical Area: Install all fence as shown to prevent sediment runoff.

NON-EXEMPT ACTIVITIES: Where applicable, non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wooded vegetation without first acquiring the necessary variances and permits.

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MEASURES INSTALLED DURING CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER THAT MAY REMAIN AFTER CONSTRUCTION IS COMPLETE: 1. Floc, 2. S, 3. D, 4. T, 5. G, 6. D, 7. G, 8. G, 9. G, 10. L, 11. R, 12. R, 13. S, 14. W.

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georgia civil CIVIL ENGINEERING LANDSCAPE ARCHITECTURE LAND SURVEYING 311 N. Main St., Ste. 101 Unit C P.O. Box 896 | Madison, GA 30650 P: 706.342.1104 | F: 706.342.1105 www.georgiacivil.com



PROJECT INFORMATION: KAYAK TAKEOUT-SOUTH RIVER WATER TRAIL SITE 3 OGLESBY BRIDGE RD SW CONYERS GA 30094 ZONING: AR

DRAWING DATE: 05.05.22 DRAWN BY: MSF CHECKED BY: JPB REVISIONS: DATE: DESCRIPTION:

NPDES Permit Part IV.E Reporting: 1. The applicable permittees are required to submit the sampling results to the EPA at the address shown in Part IV.C by the fifth day of the month following the reporting period. Reporting permits are months during which samples are taken in accordance with this permit. Sampling results shall be in a clearly legible form. Upon written notification, EPA may require the permittee to submit the sampling results to the National Response Center (NRC) within 24 hours after the sampling event. The design professional shall determine if these BMPs have been installed and are being maintained. The design professional shall report the results of the inspection to the primary permittee within seven (7) days and the permittee must contact 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.

MINIMUM QUALIFICATIONS OF INSPECTORS: Design professional is a person who has successfully completed the appropriate certification course approved by the State Soil and Water Conservation Commission.

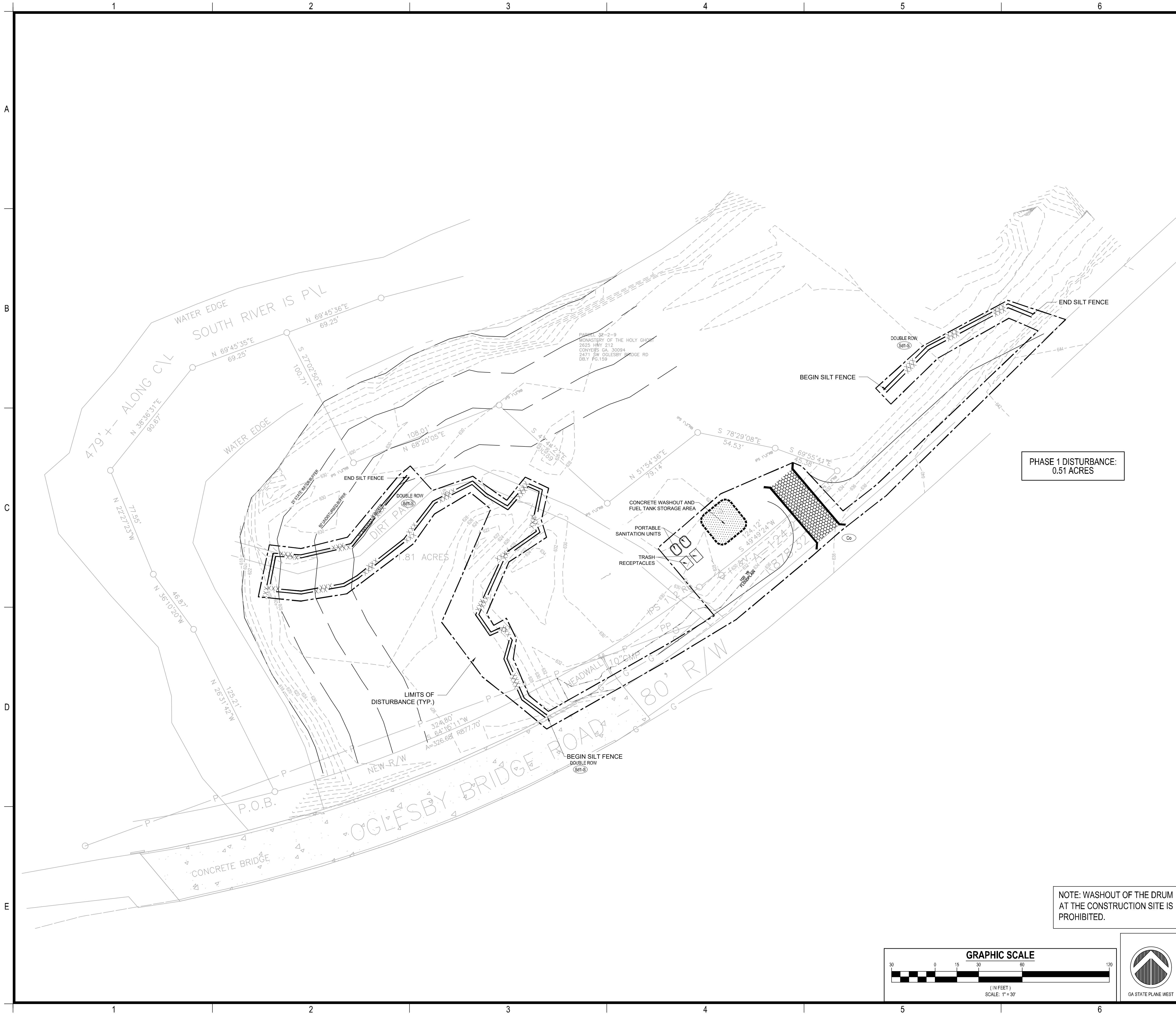
INITIAL INSPECTION AND REPORTING: For stand alone projects that begin construction activity after the effective date of this permit, the primary permittee must retain the design professional who prepared the Erosion, Sedimentation and Pollution Control Plan, except when the primary permittee has requested in writing and EPA has agreed to alternate design professional, to inspect the installation of the initial sediment control requirements and permittee approved BMPs within seven (7) days after construction begins. The design professional shall determine if these BMPs have been installed and are being maintained. The design professional shall report the results of the inspection to the primary permittee within seven (7) days and the permittee must contact 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.

EROSION, SEDIMENTATION, & POLLUTION CONTROL PLAN NOTES

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Erosion, Sedimentation, & Pollution Control Plan Notes C-4.1





GEORGIA UNIFORM CODING SYSTEM SOIL EROSION & SEDIMENT CONTROL				
STRUCTURAL PRACTICES				
Code	Practice	Symbol	Code	Practice
S21-S	Compost Filter Sock	[Symbol]	S21-S	Inlet Sediment Trap (Gravel Drop Inlet Protection)
S24-S	Stow-Bale Check Dams	[Symbol]	S24-S	Inlet Sediment Trap (Curb Inlet Protection)
S25-S	Stone Check Dams	[Symbol]	S25-S	Inlet Sediment Trap (Soil Inlet Protection)
Ch-1	Channel Stabilization - Category 1 (Vegetative/Sod)	[Symbol]	S43	Temporary Sediment Basin
Ch-2	Channel Stabilization - Category 2 (Rip-Rap, Trilog)	[Symbol]	S44	Temporary Sediment Trap
Ch-3	Channel Stabilization - Category 3 (Concrete)	[Symbol]	Sk	Floating Filter Surface Siltener
Co	Construction Exit	[Symbol]	SjB	Seep Berm
C	Construction Road Stabilization	[Symbol]	St-B	Temporary Stream Crossing (Bridge)
DCA	Stream Diversion Channel (Sod/Grass/Soil or Polyethylene Film)	[Symbol]	St-C	Temporary Stream Crossing (Culvert)
DC-B	Stream Diversion Channel (Concrete/Stone)	[Symbol]	St	Storm Drain Outlet Protection
DC-C	Stream Diversion Channel (Class 1 Rip-Rap and Concrete)	[Symbol]	Su	Surface Roughening
Di	Division	[Symbol]	Tc-F	Turbidity Curtain (Floating)
Dn1	Temporary Downstream Structure	[Symbol]	Tc-S	Turbidity Curtain (Struct)
Dn2	Permanent Downstream Structure	[Symbol]	Td	Topping
Fi	Fiber Ring	[Symbol]	Wt	Vegetated Manway or Stormwater Conveyance Channel
Gi	Gabion	[Symbol]	Wt	Vegetated Manway or Stormwater Conveyance Channel
Gr	Grade Stabilization Structure	[Symbol]	Wt	Vegetated Manway or Stormwater Conveyance Channel
Lv	Level Spreader	[Symbol]	Wt	Vegetated Manway or Stormwater Conveyance Channel
Ra	Rock Filter	[Symbol]	Wt	Vegetated Manway or Stormwater Conveyance Channel
Re	Retaining Wall	[Symbol]	Wt	Vegetated Manway or Stormwater Conveyance Channel
Rd	Retrolift (Skid-Resistant Drip w/ Stone or Filter Fabric)	[Symbol]	Wt	Vegetated Manway or Stormwater Conveyance Channel
RdP	Retrolift (Perforated Round Pipe w/ Stone Filter)	[Symbol]	Wt	Vegetated Manway or Stormwater Conveyance Channel
RdSp	Retrolift (SR Control Gate)	[Symbol]	Wt	Vegetated Manway or Stormwater Conveyance Channel
S1-S	Sediment Barrier (Type I - Brush Barrier)	[Symbol]	Wt	Vegetated Manway or Stormwater Conveyance Channel
S1AS	Sediment Barrier (Type II - Non-Sensitive Areas)	[Symbol]	Wt	Vegetated Manway or Stormwater Conveyance Channel
S1S	Sediment Barrier (Type III - Sensitive Areas)	[Symbol]	Wt	Vegetated Manway or Stormwater Conveyance Channel
S1C	Sediment Barrier (Type IV - Compost Filter Media Sock)	[Symbol]	Wt	Vegetated Manway or Stormwater Conveyance Channel
S2B	Inlet Sediment Trap (Barle Foot)	[Symbol]	Wt	Vegetated Manway or Stormwater Conveyance Channel
S2Bb	Inlet Sediment Trap (Block & Gravel Drop Inlet Protection)	[Symbol]	Wt	Vegetated Manway or Stormwater Conveyance Channel
S2C	Inlet Sediment Trap (Concrete/Stone)	[Symbol]	Wt	Vegetated Manway or Stormwater Conveyance Channel
S2C	Inlet Sediment Trap (Fiber Frame Supporting Frame)	[Symbol]	Wt	Vegetated Manway or Stormwater Conveyance Channel

Maintenance of all soil erosion and sedimentation control measures and practices, whether temporary or permanent, shall be at all times the responsibility of the property owner.

REFER TO SHEET C-1.1 AND C-4.1 FOR EROSION, SEDIMENTATION, AND POLLUTION CONTROL NOTES

**GSWCC EROSION CONTROL NOTES:**  
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 Any amendments to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional.

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JASON P. BROWN  
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 #53274 - EXP. 05.01.2023

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 CONTACT: -  
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 EMAIL: -

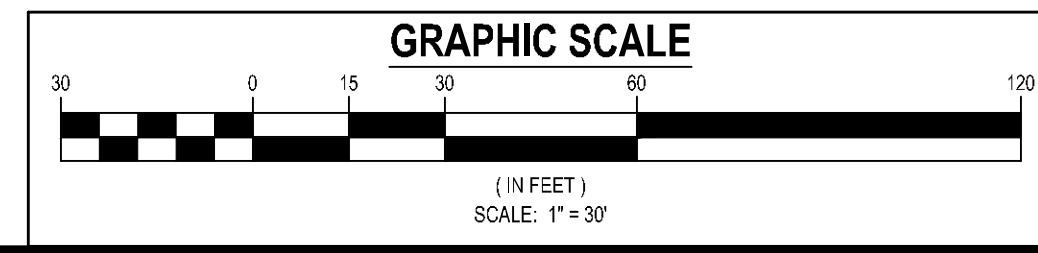
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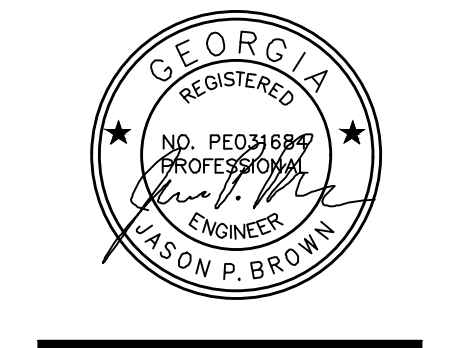
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**SITE DESIGNER**  
 COMPANY: GEORGIA CIVIL, INC.  
 ADDRESS: P.O. BOX 896  
 MADISON, GA 30650  
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NOTE: WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.



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Project Information

KAYAK TAKEOUT-SOUTH RIVER WATER  
 TRAIL SITE 3  
 OGLESBY BRIDGE RD SW  
 CONNERS GA 30094  
 ZONING: AR

DRAWING DATE: 05.05.22  
 DRAWN BY: MSF  
 CHECKED BY: JPB  
 REVISIONS  
 DATE: DESCRIPTION:

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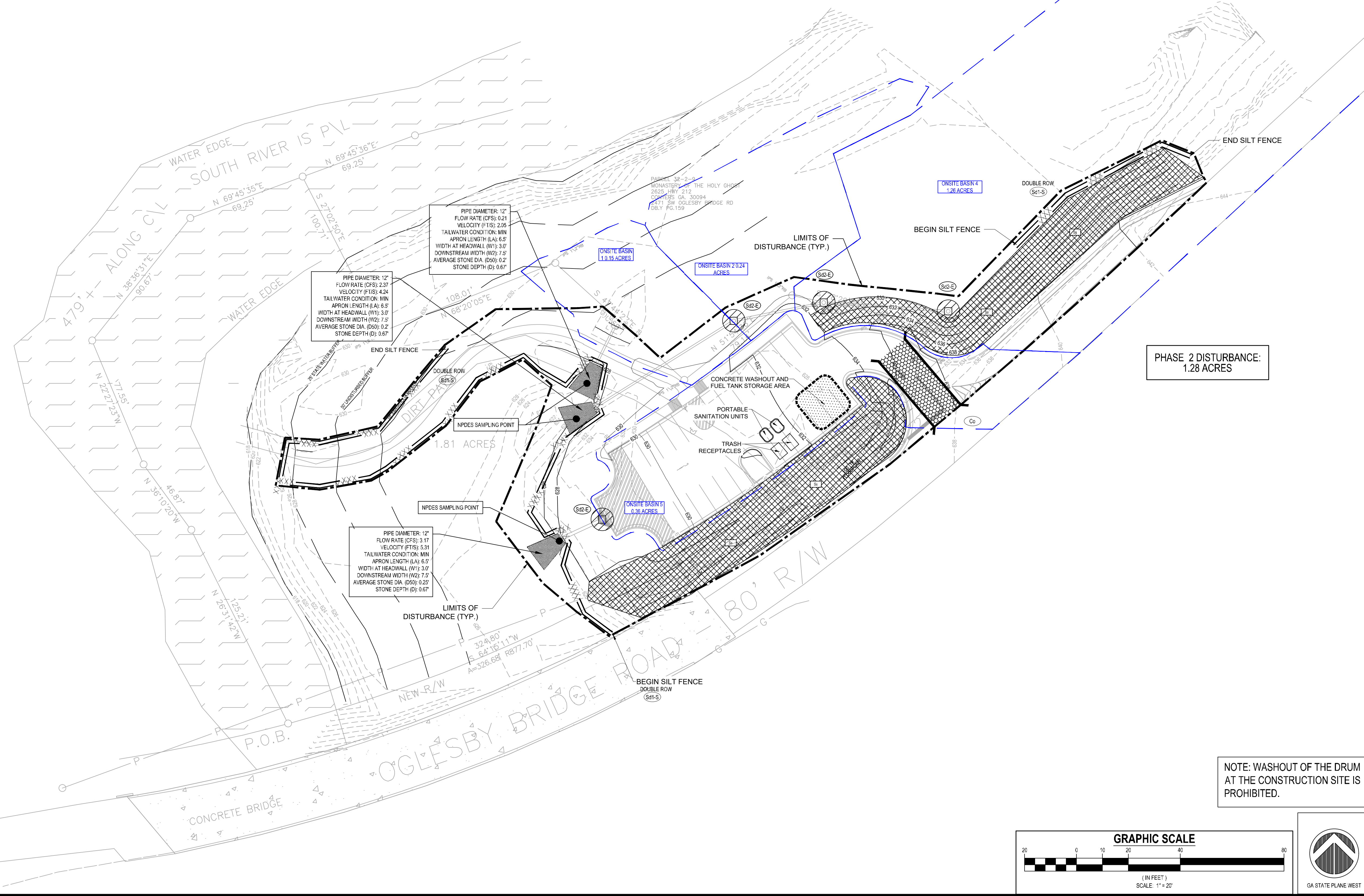
PH I EROSION, SEDIMENTATION, & POLLUTION CONTROL PLAN

Sheet Number  
**C-4.2**



SEDIMENT STORAGE CALCULATIONS								
BASIN	DRAINAGE AREA (ACRE) (A)	REQ. STORAGE (CY) (B)	REQ. STORAGE (CF) (C)	S Min (SF) (D)	LENGTH (FT.) (E)	WIDTH (FT.) (F)	PROVIDED SURFACE AREA WIDTH X LENGTH (SF.) (G)	PROVIDED STORAGE (2' DEPTH) X WIDTH X LENGTH (CF.) (H)
2	0.24	16.08	434.16	2.00	25.00	10.00	250.00	500.00
3	0.01	0.67	18.09	2.00	5.00	4.00	20.00	40.00
4	1.26	84.42	2279.34	2.00	60.00	20.00	1165.00	2330.00
5	0.36	24.12	651.24	2.00	20.00	20.00	400.00	800.00
<b>NOTE: MIN. 2.0 FEET OF STORAGE DEPTH REQUIRED</b>								
<b>REQUIRED (CY)</b>								<b>125.29</b>
<b>PROVIDED (CY)</b>								<b>135.93</b>

GEORGIA UNIFORM CODING SYSTEM SOIL EROSION & SEDIMENT CONTROL				
STRUCTURAL PRACTICES				
Code	Practice	Symbol	Code	Practice
S41-S	Inlet Sediment Trap (Gravel Drop Inlet Protection)	[Symbol]	S42-S	Inlet Sediment Trap (Curb Inlet Protection)
S41-B	Stone Check Dams	[Symbol]	S42-B	Inlet Sediment Trap (Soc Inlet Protection)
S41-C	Channel Stabilization - Category 1 (Vegetative/Sod)	[Symbol]	S42-C	Inlet Sediment Trap (Soc Inlet Protection)
S41-D	Channel Stabilization - Category 2 (Log-Rip-Rap, Trilog)	[Symbol]	S43	Temporary Sediment Basin
S41-E	Channel Stabilization - Category 3 (Concrete)	[Symbol]	S44	Temporary Sediment Trap
Co	Construction Exit	[Symbol]	Sk	Floating Filter Surface Squeezer
Ce	Construction Road Stabilization	[Symbol]	Sj	Seep Berm
Dca	Stream Diversion Channel (Sod/Grass/Stone)	[Symbol]	St-B	Temporary Stream Crossing (Bridge)
Dcb	Stream Diversion Channel (Concrete/Stone)	[Symbol]	St-C	Temporary Stream Crossing (Culvert)
Dcc	Stream Diversion Channel (Class 1 Rip-Rap and Gravel)	[Symbol]	St-D	Temporary Stream Crossing (Culvert)
Di	Diversion	[Symbol]	Su	Surface Roughening
Dm1	Temporary Downstream Structure	[Symbol]	Tc-F	Turbidity Curtain (Floating)
Dm2	Permanent Downstream Structure	[Symbol]	Tc-S	Turbidity Curtain (Sleeve)
Fi	Fiber Ring	[Symbol]	Tp	Topping
Gi	Gabion	[Symbol]	Wt	Vegetated Manway or Stormwater Conveyance Channel
Gs	Grade Stabilization Structure	[Symbol]	<b>VEGETATIVE MEASURES</b>	
Lv	Level Spreader	[Symbol]	Bf	Buffer Zone
Ra	Rock Filter	[Symbol]	Cs	Coastal Dune Stabilization (w/ Vegetation)
Re	Retaining Wall	[Symbol]	Dd1	Disturbed Area Stabilization (w/ Mulching/Drain)
Rh	Rollout (Sheet Pile Dam w/ Stone or Filter Fabric)	[Symbol]	Dd2	Disturbed Area Stabilization (w/ Temporary Seeding)
Rh-B	Rollout (Perforated Round Pipe w/ Stone Filter)	[Symbol]	Dd3	Disturbed Area Stabilization (Permanent Vegetation)
Rh-S	Rollout (SR Control Area)	[Symbol]	Dd4	Disturbed Area Stabilization (w/ Seeding)
S1-BB	Sediment Barrier (Type - Brush Barrier)	[Symbol]	Du	Dust Control on Disturbed Areas
S1-BS	Sediment Barrier (Type - Non-Vegetative)	[Symbol]	F1-Co	Flocculants
S1-SS	Sediment Barrier (Type - Synthetic Fibers)	[Symbol]	F1-Cs	Flocculants
S1-S	Sediment Barrier (Type - Compost Filter Media Sock)	[Symbol]	Sb	Streambank Stabilization (Using Permanent Vegetation)
S41-S	Inlet Sediment Trap (Gravel Drop Inlet Protection)	[Symbol]	Ss	Slope Stabilization (Erosion Control Products (RECPs))
S41-B	Inlet Sediment Trap (Curb Inlet Protection)	[Symbol]	Tac-1	Tackifiers: Type I (Organic Polymers)
S41-C	Inlet Sediment Trap (Soc Inlet Protection)	[Symbol]	Tac-2	Tackifiers: Type II (Organic Polymers)
S42-S	Inlet Sediment Trap (Gravel Drop Inlet Protection)	[Symbol]	Tac-3	Tackifiers: Type III (Synthetic Polymers)
S42-B	Inlet Sediment Trap (Curb Inlet Protection)	[Symbol]	Tac-4	Tackifiers: Type IV (Synthetic Polymers)
S42-C	Inlet Sediment Trap (Soc Inlet Protection)	[Symbol]	Tac-5	Tackifiers: Type V (Synthetic Polymers)



**Maintenance of all soil erosion and sedimentation control measures and practices, whether temporary or permanent, shall be at all times the responsibility of the property owner.**

**GSWCC EROSION CONTROL NOTES:**  
 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 all 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.  
 Any amendments to this plan shall be certified by the design professional.

**REFER TO SHEET C-1.1 AND C-4.1 FOR EROSION, SEDIMENTATION, AND POLLUTION CONTROL NOTES**

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**CONTRACTOR**  
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 PHONE: 404-427-8745  
 CONTACT: JAMES S. HULL, JR., RLS  
 EMAIL: treylog@aol.com

**NOTE: WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.**

**GRAPHIC SCALE**  
 (IN FEET)  
 SCALE: 1" = 20'

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 JASON P. BROWN

**KAYAK TAKEOUT-SOUTH RIVER WATER TRAIL SITE 3**  
 OGLESBY BRIDGE RD SW  
 CONVER GA 30094  
 ZONING: AR

**DRAWING DATE:** 05.05.22  
**DRAWN BY:** MSF  
**CHECKED BY:** JPB

**REVISIONS**

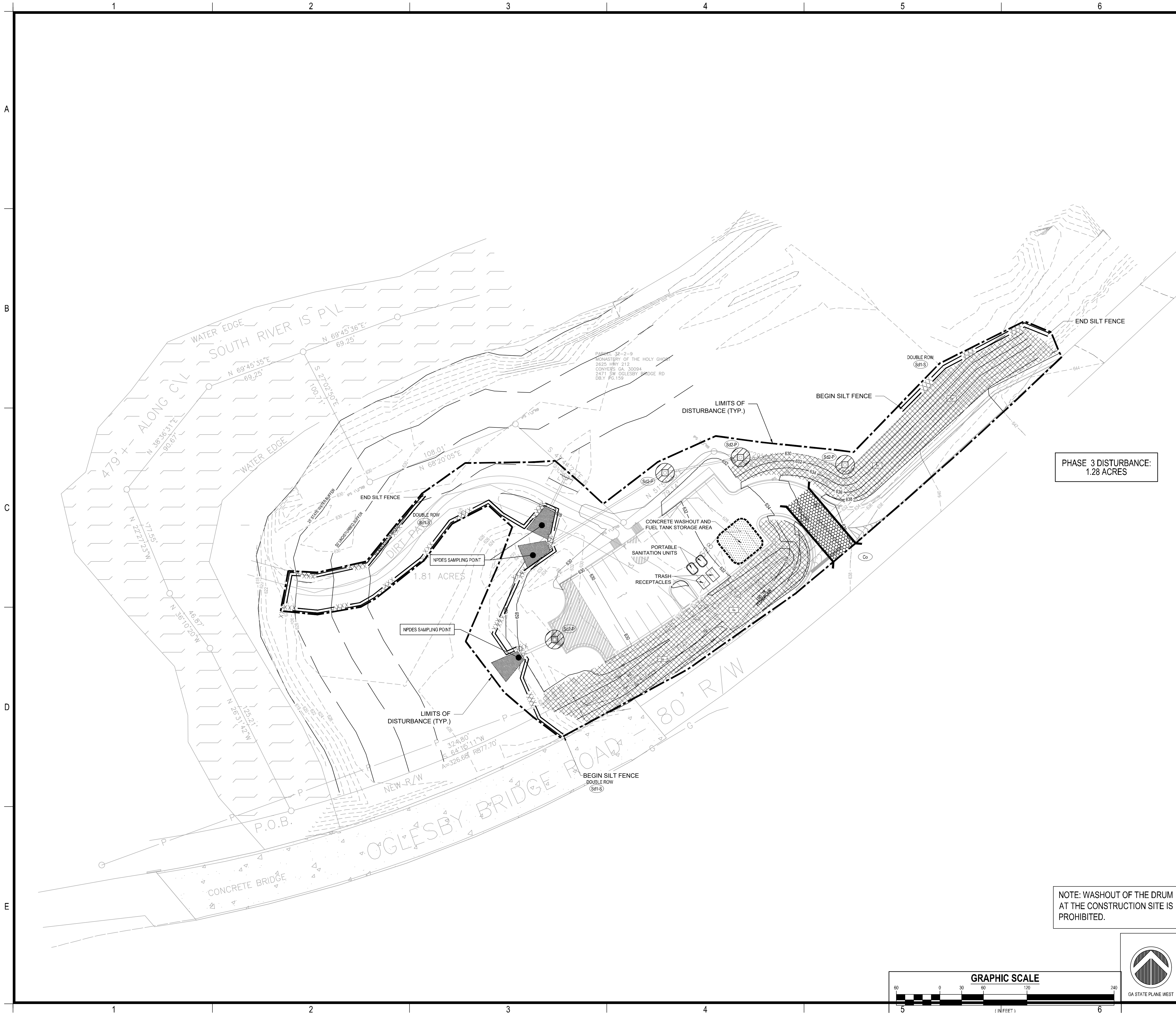
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 Sheet Title

**PH II EROSION, SEDIMENTATION, & POLLUTION CONTROL PLAN**

Sheet Number  
**C-4.3**





GEORGIA UNIFORM CODING SYSTEM SOIL EROSION & SEDIMENT CONTROL				
STRUCTURAL PRACTICES				
Code	Practice	Symbol	Code	Practice
S2P-S	Inlet Sediment Trap (Gravel Drop Inlet Protection)	[Symbol]	S2P-S	Inlet Sediment Trap (Gravel Drop Inlet Protection)
S2P-P	Inlet Sediment Trap (Curb Inlet Protection)	[Symbol]	S2P-P	Inlet Sediment Trap (Curb Inlet Protection)
S2P-S	Inlet Sediment Trap (Soil Inlet Protection)	[Symbol]	S2P-S	Inlet Sediment Trap (Soil Inlet Protection)
Ch-1	Channel Stabilization - Category 1 (Vegetative/Sod)	[Symbol]	S4S	Temporary Sediment Basin
Ch-2	Channel Stabilization - Category 2 (Rip-Rap, Trill, Rip-Rap)	[Symbol]	S4S	Temporary Sediment Basin
Ch-3	Channel Stabilization - Category 3 (Concrete)	[Symbol]	Sk	Floating Filter Surface Barrier
Co	Construction Exit	[Symbol]	SjB	Seep Berm
C	Construction Road Stabilization	[Symbol]	St-B	Temporary Stream Crossing (Bridge)
DCA	Stream Diversion Channel (Concrete/Stone)	[Symbol]	St-C	Temporary Stream Crossing (Culvert)
DC-B	Stream Diversion Channel (Concrete/Stone)	[Symbol]	St	Stream Drain Outlet Protection
DC-C	Stream Diversion Channel (Class 1 Rip-Rap and Geotextile)	[Symbol]	Su	Surface Roughening
Di	Diversion	[Symbol]	Tc-F	Turbidity Curtain (Floating)
Dn1	Temporary Downstream Structure	[Symbol]	Tc-S	Turbidity Curtain (Staked)
Dn2	Permanent Downstream Structure	[Symbol]	Tp	Topsailing
Fi	Fiber Ring	[Symbol]	Wt	Vegetated Microtunnel or Stormwater Conveyance Channel
GS	Gabion	[Symbol]	VEGETATIVE MEASURES	
Gr	Grade Stabilization Structure	[Symbol]	Bf	Buffer Zone
Lv	Level Spreader	[Symbol]	Cs	Coastal Dune Stabilization (w/ Vegetation)
Ra	Rock Filter	[Symbol]	Dn1	Disturbed Area Stabilization (w/ Mulching Drapery)
Re	Retaining Wall	[Symbol]	Dn2	Disturbed Area Stabilization (w/ Temporary Seeding)
RH-B	Rollout (Slotted Board Dam w/ Stone or Filter Fabric)	[Symbol]	Dn3	Disturbed Area Stabilization (w/ Permanent Vegetation)
RH-P	Rollout (Purfed Walk Round Pipe w/ Stone Filter)	[Symbol]	Dn4	Disturbed Area Stabilization (w/ Seeding)
RH-S	Rollout (SR Concrete)	[Symbol]	Du	Dust Control on Disturbed Areas
S1-S	Siltment Barrier (Type - Brush Barrier)	[Symbol]	Fi-Co	Fibers/Coir Composites
S1-S	Siltment Barrier (Type - Non-Synthetic Areas)	[Symbol]	Sb	Streambank Stabilization (Using Permanent Vegetation)
S1-S	Siltment Barrier (Type - Synthetic Areas)	[Symbol]	Ss	Slope Stabilization Control Products (RECPs)
S1-S	Siltment Barrier (Type - Compost Filter Media Sock)	[Symbol]	Tab-1	Tackifiers: Type I (Organic Polymers)
S2-S	Inlet Sediment Trap (Gravel Drop)	[Symbol]	Tab-2	Tackifiers: Type II (Organic Polymers)
S2-S	Inlet Sediment Trap (Block & Gravel)	[Symbol]	Tab-3	Tackifiers: Type III (Synthetic Polymers)
S2-S	Inlet Sediment Trap (Gravel Drop w/ Synthetic Fibers)	[Symbol]	Tab-4	Tackifiers: Type IV (Synthetic Polymers)
S2-S	Inlet Sediment Trap (Fiber Frame w/ Synthetic Fibers)	[Symbol]	Tab-5	Tackifiers: Type V (Synthetic Polymers)

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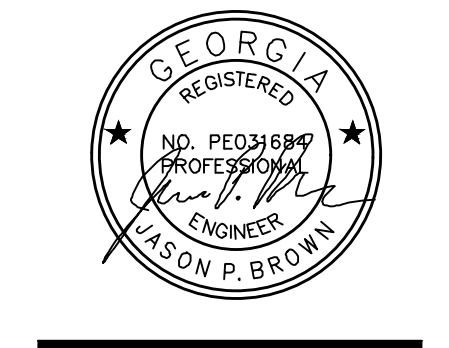
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**KAYAK TAKEOUT-SOUTH RIVER WATER TRAIL SITE 3**  
 OGLESBY BRIDGE RD SW  
 CONVERS GA 30094  
 ZONING: AR

**DRAWING DATE:** 05.05.22  
**DRAWN BY:** MSF  
**CHECKED BY:** JPB

**REVISIONS**

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**PH III EROSION, SEDIMENTATION, & POLLUTION CONTROL PLAN**

Sheet Number  
**C-4.4**

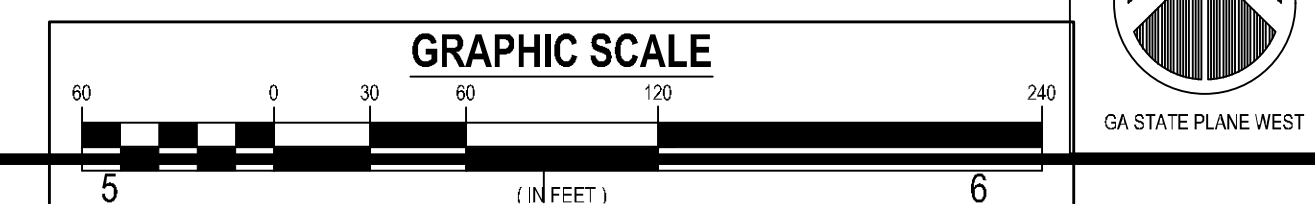




Table 6.1-1: Temporary Cover or Comparison Cover	Table 6.2-1: Temporary Cover or Comparison Cover
<p><b>Table 6.1-1: Temporary Cover or Comparison Cover</b></p> <p>Table 6.1-1: Temporary Cover or Comparison Cover</p> <p>Table 6.1-1: Temporary Cover or Comparison Cover</p>	<p><b>Table 6.2-1: Temporary Cover or Comparison Cover</b></p> <p>Table 6.2-1: Temporary Cover or Comparison Cover</p> <p>Table 6.2-1: Temporary Cover or Comparison Cover</p>

### DISTURBED AREA STABILIZATION (WITH MULCHING ONLY) - (Ds1)

Table 6.1-1: Temporary Cover or Comparison Cover	Table 6.2-1: Temporary Cover or Comparison Cover
<p><b>Table 6.1-1: Temporary Cover or Comparison Cover</b></p> <p>Table 6.1-1: Temporary Cover or Comparison Cover</p> <p>Table 6.1-1: Temporary Cover or Comparison Cover</p>	<p><b>Table 6.2-1: Temporary Cover or Comparison Cover</b></p> <p>Table 6.2-1: Temporary Cover or Comparison Cover</p> <p>Table 6.2-1: Temporary Cover or Comparison Cover</p>

### GEORGIA MAJOR LAND RESOURCE AREAS

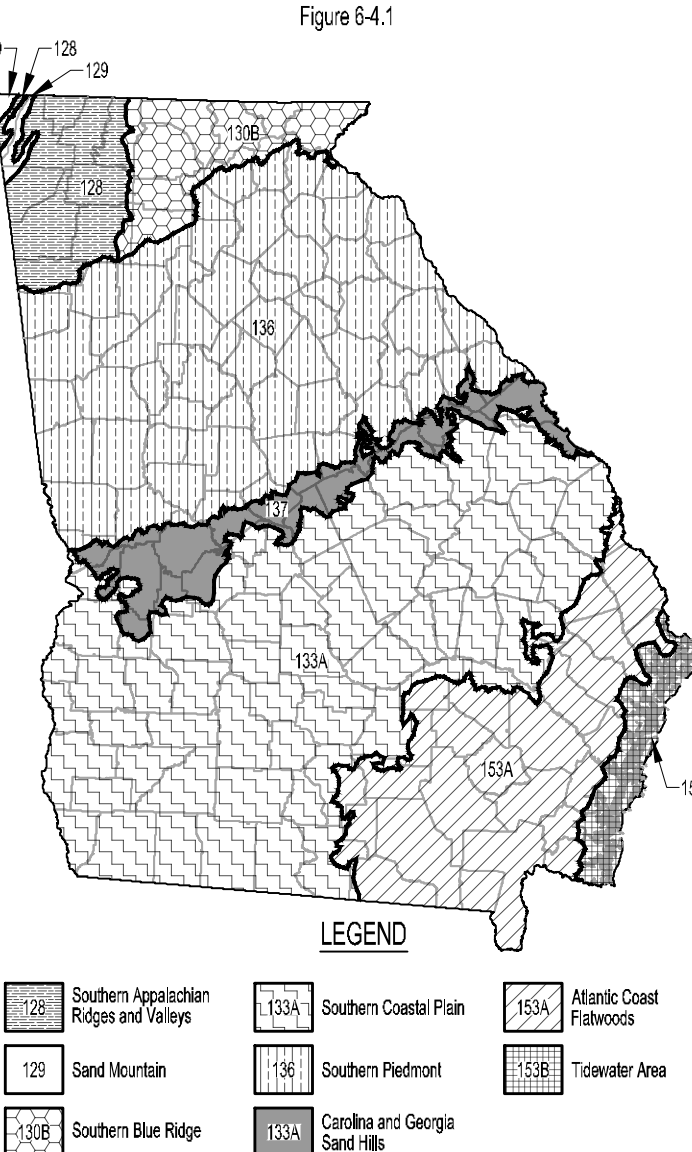


Table 6.1-1: Temporary Cover or Comparison Cover	Table 6.2-1: Temporary Cover or Comparison Cover
<p><b>Table 6.1-1: Temporary Cover or Comparison Cover</b></p> <p>Table 6.1-1: Temporary Cover or Comparison Cover</p> <p>Table 6.1-1: Temporary Cover or Comparison Cover</p>	<p><b>Table 6.2-1: Temporary Cover or Comparison Cover</b></p> <p>Table 6.2-1: Temporary Cover or Comparison Cover</p> <p>Table 6.2-1: Temporary Cover or Comparison Cover</p>

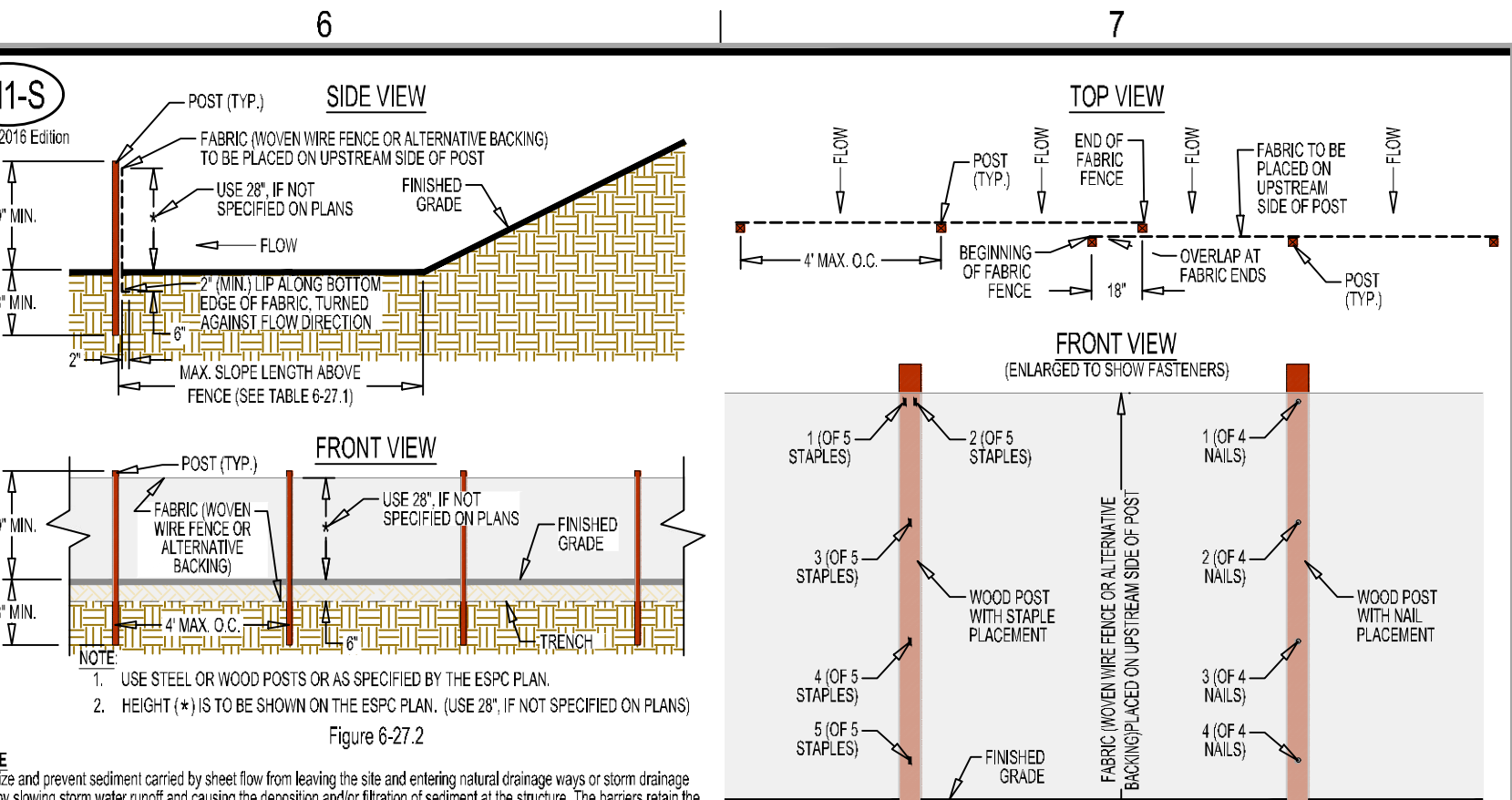
### DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION) - (Ds3)

Table 6.1-1: Temporary Cover or Comparison Cover	Table 6.2-1: Temporary Cover or Comparison Cover
<p><b>Table 6.1-1: Temporary Cover or Comparison Cover</b></p> <p>Table 6.1-1: Temporary Cover or Comparison Cover</p> <p>Table 6.1-1: Temporary Cover or Comparison Cover</p>	<p><b>Table 6.2-1: Temporary Cover or Comparison Cover</b></p> <p>Table 6.2-1: Temporary Cover or Comparison Cover</p> <p>Table 6.2-1: Temporary Cover or Comparison Cover</p>

Table 6.1-1: Temporary Cover or Comparison Cover	Table 6.2-1: Temporary Cover or Comparison Cover
<p><b>Table 6.1-1: Temporary Cover or Comparison Cover</b></p> <p>Table 6.1-1: Temporary Cover or Comparison Cover</p> <p>Table 6.1-1: Temporary Cover or Comparison Cover</p>	<p><b>Table 6.2-1: Temporary Cover or Comparison Cover</b></p> <p>Table 6.2-1: Temporary Cover or Comparison Cover</p> <p>Table 6.2-1: Temporary Cover or Comparison Cover</p>

### DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION) - (Ds3)

Table 6.1-1: Temporary Cover or Comparison Cover	Table 6.2-1: Temporary Cover or Comparison Cover
<p><b>Table 6.1-1: Temporary Cover or Comparison Cover</b></p> <p>Table 6.1-1: Temporary Cover or Comparison Cover</p> <p>Table 6.1-1: Temporary Cover or Comparison Cover</p>	<p><b>Table 6.2-1: Temporary Cover or Comparison Cover</b></p> <p>Table 6.2-1: Temporary Cover or Comparison Cover</p> <p>Table 6.2-1: Temporary Cover or Comparison Cover</p>



### SENSITIVE AREA(S) SEDIMENT BARRIER (TYPE C SILT FENCE) - (Sd1-S)

Table 6.2-1: Criteria for Sediment Barrier	Table 6.2-2: Post to Post	Table 6.2-3: Fasteners for Wood Posts	Table 6.2-4: Type C Fabric Fence
<p><b>Table 6.2-1: Criteria for Sediment Barrier</b></p> <p>Table 6.2-1: Criteria for Sediment Barrier</p> <p>Table 6.2-1: Criteria for Sediment Barrier</p>	<p><b>Table 6.2-2: Post to Post</b></p> <p>Table 6.2-2: Post to Post</p> <p>Table 6.2-2: Post to Post</p>	<p><b>Table 6.2-3: Fasteners for Wood Posts</b></p> <p>Table 6.2-3: Fasteners for Wood Posts</p> <p>Table 6.2-3: Fasteners for Wood Posts</p>	<p><b>Table 6.2-4: Type C Fabric Fence</b></p> <p>Table 6.2-4: Type C Fabric Fence</p> <p>Table 6.2-4: Type C Fabric Fence</p>

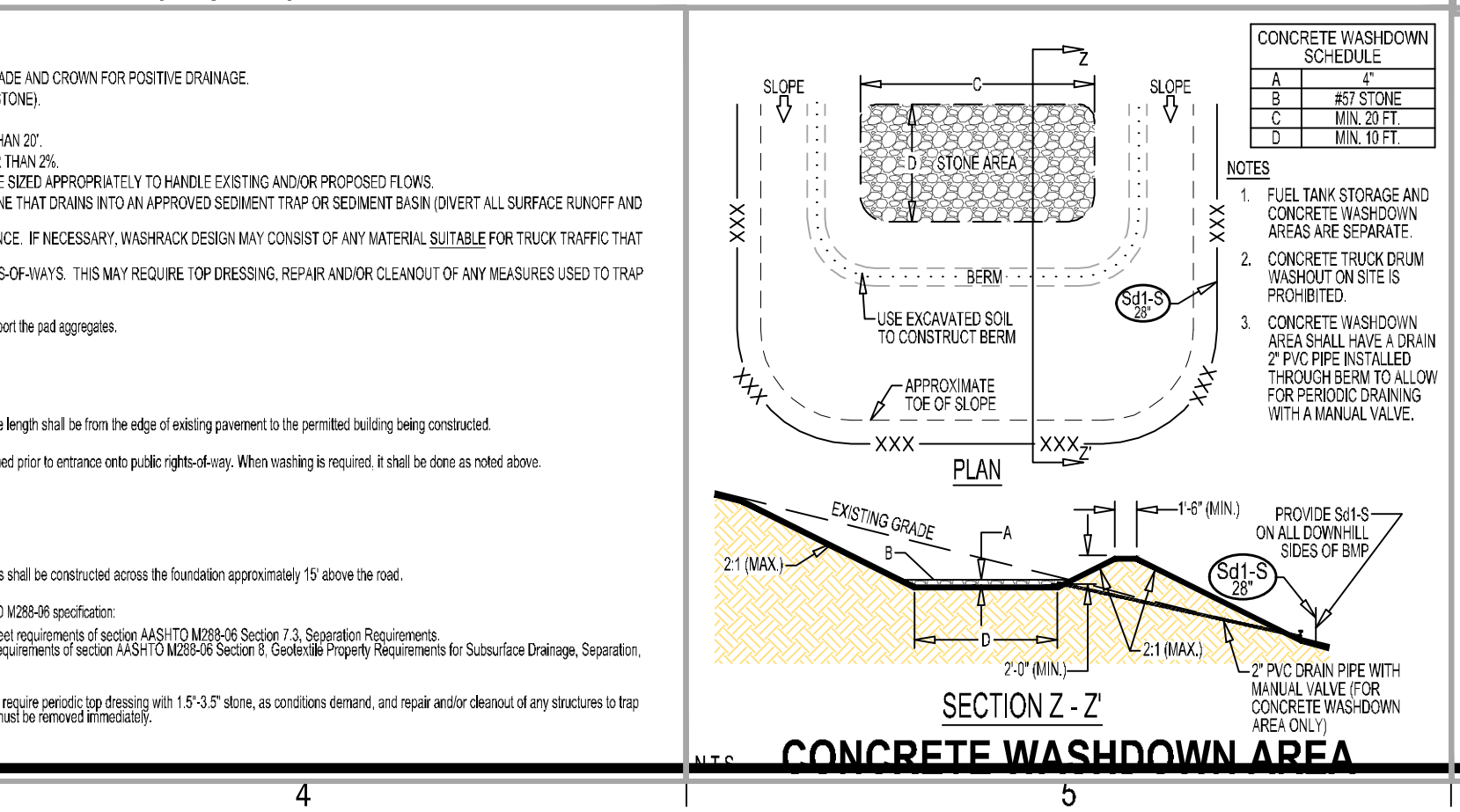
### DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING) - (Ds2)

Table 6.1-1: Temporary Cover or Comparison Cover	Table 6.2-1: Temporary Cover or Comparison Cover
<p><b>Table 6.1-1: Temporary Cover or Comparison Cover</b></p> <p>Table 6.1-1: Temporary Cover or Comparison Cover</p> <p>Table 6.1-1: Temporary Cover or Comparison Cover</p>	<p><b>Table 6.2-1: Temporary Cover or Comparison Cover</b></p> <p>Table 6.2-1: Temporary Cover or Comparison Cover</p> <p>Table 6.2-1: Temporary Cover or Comparison Cover</p>

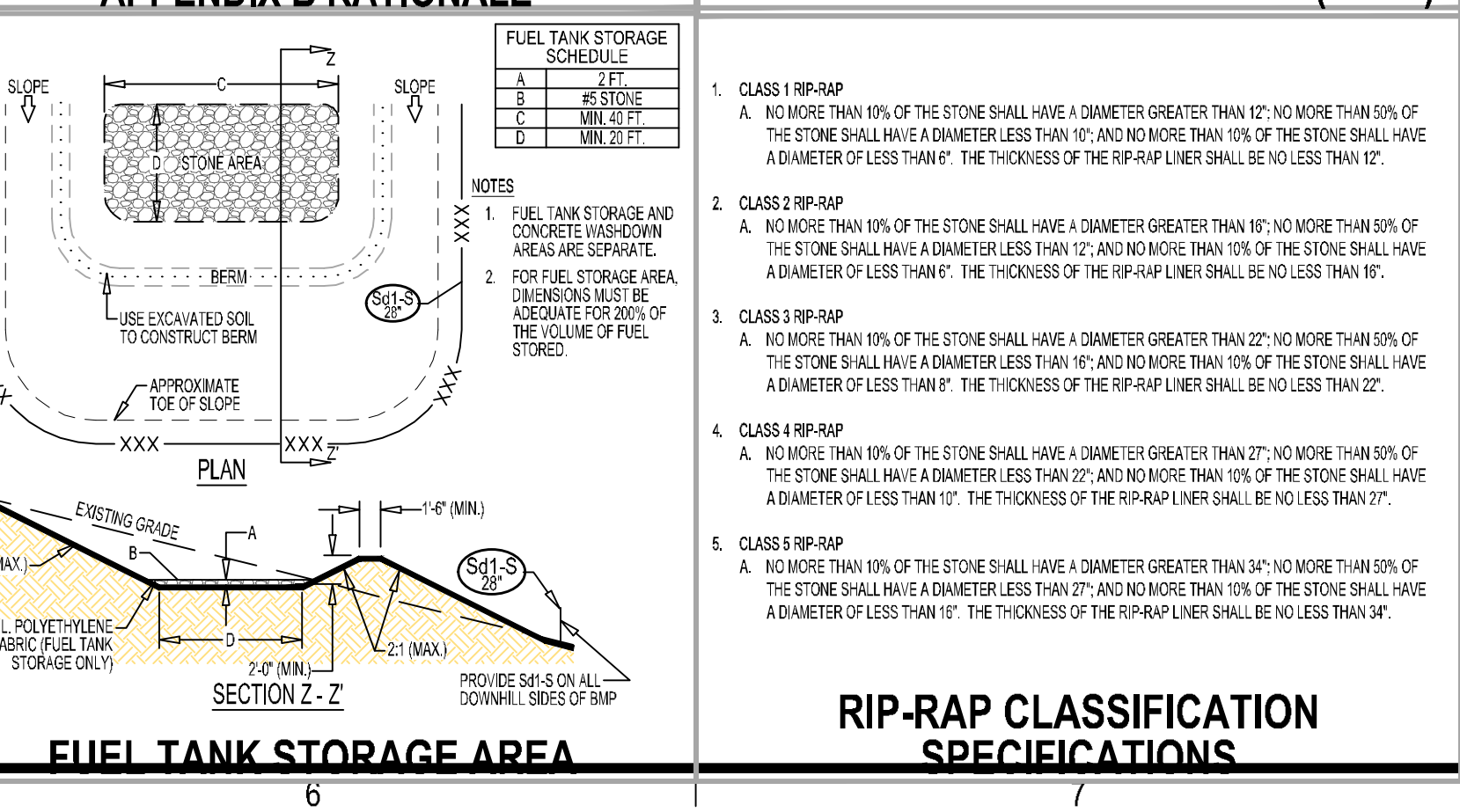
### DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION) - (Ds3)

Table 6.1-1: Temporary Cover or Comparison Cover	Table 6.2-1: Temporary Cover or Comparison Cover
<p><b>Table 6.1-1: Temporary Cover or Comparison Cover</b></p> <p>Table 6.1-1: Temporary Cover or Comparison Cover</p> <p>Table 6.1-1: Temporary Cover or Comparison Cover</p>	<p><b>Table 6.2-1: Temporary Cover or Comparison Cover</b></p> <p>Table 6.2-1: Temporary Cover or Comparison Cover</p> <p>Table 6.2-1: Temporary Cover or Comparison Cover</p>

### CONSTRUCTION EXIT - (Co)



### CONCRETE WASHDOWN AREA



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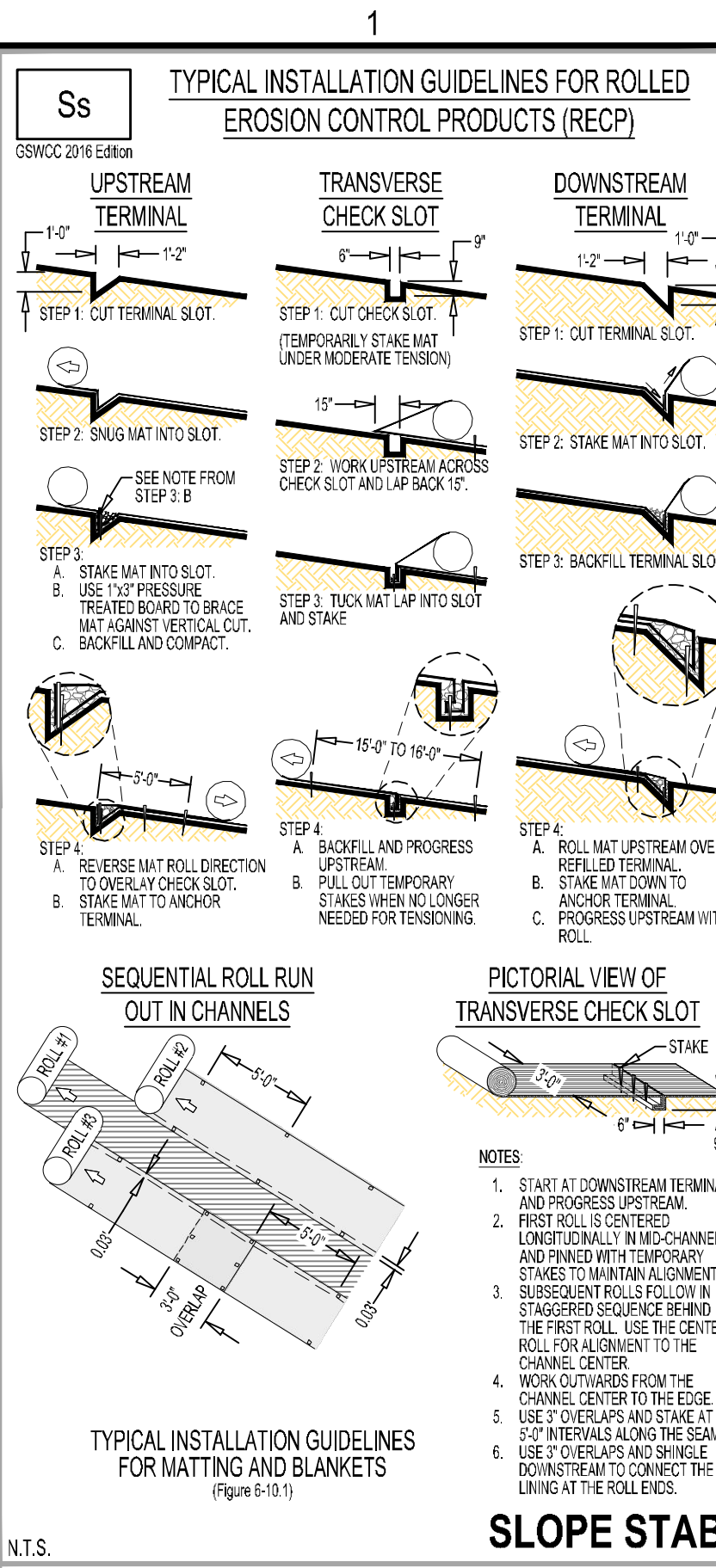
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**CONDITIONS**  
Slope stabilization can be applied to flat areas or slopes where the erosion hazard is high and slope protection is needed during the establishment of vegetation.

**PLANNING CONSIDERATIONS**  
Care must be taken to choose the type of slope stabilization product that is most appropriate for the specific needs of a project. Two general types of slope stabilization products are discussed within this specification.

**Roller Erosion Control Products (RECP)**  
A natural fiber blanket with single or double photodegradable or biodegradable nets.

**Hydraulic Erosion Control Products (HECP)**  
HECP small size straw, cotton, wood or other natural based fibers held together by a soil binding agent that works to stabilize soil particles. Paper mats should not be used for erosion control.

**CRITERIA**  
Roller Erosion Control Products (RECP) and Hydraulic Erosion Control Products (HECP):  
• Installation and spacing of RECPs and application rates for HECPs shall conform to manufacturer's guidelines for application.  
• Short Term RECPs at a minimum shall be used to stabilize concentrated flow areas with a velocity less than 8 ft/sec on slopes 3:1 or greater with a vertical 10:1 or greater.

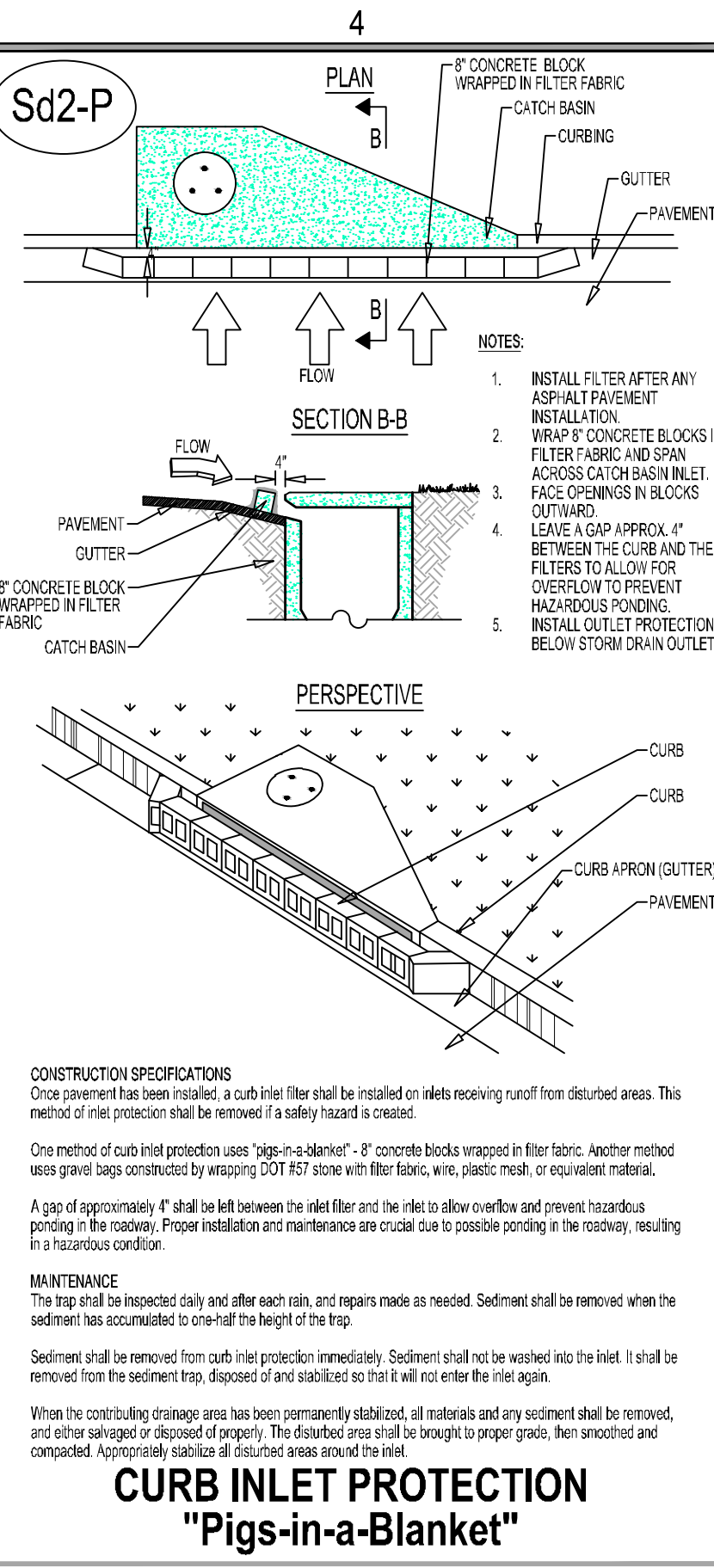
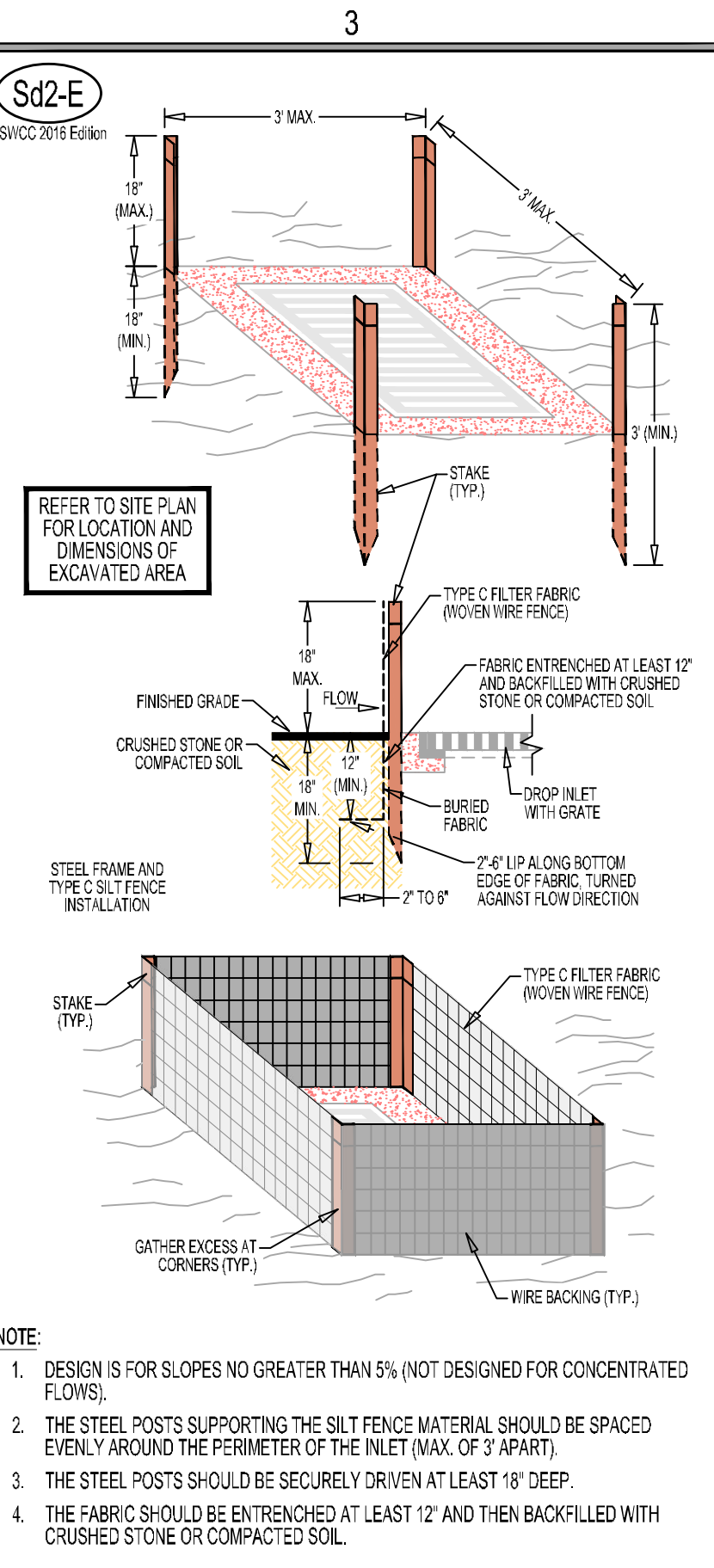
**MATERIALS**  
HECP  
Hydraulic erosion control products shall be packaged from the manufacturer. Field mixing of performance enhancing additives will not be allowed. Fiber components should be all natural or biodegradable. Products shall be determined to be non-toxic in accordance with EPA-821-R-02-012.

RECP  
RECPs are categorized as follows:  
a. **Short Term** (functional longevity 12 mo.)  
Photodegradable  
Straw blankets with a top and bottom side photodegradable net. The maximum size of the mesh should be openings of 0.5" x 0.5". The blanket should be sewn together on 1.5' centers with degradable thread. Minimum thickness should be 0.35" and minimum density should be 0.5 lbs per square yard.  
ii. **Biodegradable**  
Straw blanket with a top and bottom side biodegradable jute net. The top side net should consist of machine direction strands that are banded together and then interwoven with cross direction strands (also woven). The bottom net may be woven or observed to meet requirements. The appropriate size of the mesh should be openings of 0.5" x 1.0". The blanket should be sewn together on 1.5' centers with degradable thread. Minimum thickness should be 0.25" and minimum density should be 0.5 lbs per square yard.  
iii. **Photodegradable**  
Straw blankets that consist of 70% straw and 30% coconut with a top and bottom side photodegradable net. The top side net should consist of machine direction strands that are banded together and then interwoven with cross direction strands (also woven). The bottom net may be woven or observed to meet requirements. The appropriate size of the mesh should be openings of 0.5" x 1.0". The blanket should be sewn together on 1.5' centers with degradable thread. Minimum thickness should be 0.25" and minimum density should be 0.5 lbs per square yard.  
iv. **Biodegradable**  
Straw blankets that consist of 70% straw and 30% coconut with a top and bottom side biodegradable jute net. The top side net should consist of machine direction strands that are banded together and then interwoven with cross direction strands (also woven). The bottom net may be woven or observed to meet requirements. The appropriate size of the mesh should be openings of 0.5" x 1.0". The blanket should be sewn together on 1.5' centers with degradable thread. Minimum thickness should be 0.25" and minimum density should be 0.5 lbs per square yard.  
v. **Photodegradable**  
Straw blankets that consist of 100% coconut with a top and bottom side photodegradable net. Each net should have ultraviolet additive to delay degradation. The maximum size of the mesh should be openings of 0.67" x 0.67". The blanket should be sewn together on 1.2' centers with degradable thread. Minimum thickness should be 0.3" and minimum density should be 0.5 lbs per square yard.

**NOTES**  
1. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.  
2. FIRST ROLL IS CENTERED LONGITUDINALLY IN CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.  
3. SUBSEQUENT ROLLS FOLLOW IN SUGGESTED SQUENCE BEHIND THE FIRST ROLL. USE THE CENTER ROLL FOR ALIGNMENT TO THE CHANNEL CENTER.  
4. WORK OUTWARDS FROM THE CHANNEL CENTER TO THE EDGE.  
5. USE 2 OVERLAPS AND STAKE AT 3'-0" INTERVALS ALONG THE SEAMS.  
6. USE 2 OVERLAPS AND STAKE DOWNSTREAM TO CONNECT THE LINKS AT THE ROLLERS.  
7. IT IS THE INTENTION OF THIS SECTION TO ALLOW INTERCHANGEABLE USE OF RECPs AND HECPs for erosion protection on slopes. The project engineer should select the type of erosion control product that best fits the need of the particular site.

**NOTE**  
After the site has been shaped and graded to the approved design, prepare a fabric seeded relative free from clods and rocks from them. If a damper, and any long material that will prevent contact of the soil stabilizer mat with the soil surface. Subsoil must be applied to erosion control blankets on the surface. If necessary, reduce any spots from the site to slope grading installation.

**MAINTENANCE**  
All erosion control blankets and matting should be inspected periodically following installation, particularly after rainstorms to check for erosion and undermining. Any dislocation or failure should be repaired immediately. If washouts or breakage occurs, reestablish the required sloping drainage to the slope of ditch. Continue to monitor these areas until they become permanently stabilized.



**CONSTRUCTION SPECIFICATIONS**  
Once pavement has been installed, a curb inlet filter shall be installed on inlets receiving runoff from disturbed areas. This method of inlet protection shall be removed if a safety hazard is created.

One method of curb inlet protection uses "pigs-in-a-blanket," i.e. concrete blocks wrapped in filter fabric. Another method uses gravel bags constructed by wrapping DOT #57 stone with filter fabric, wire, plastic net, or equivalent material.

A gap of approximately 4" shall be between the inlet filter and the inlet to allow overflow and prevent hazardous ponding in the roadway. Proper installation and maintenance are crucial due to possible ponding in the roadway, resulting in a hazardous condition.

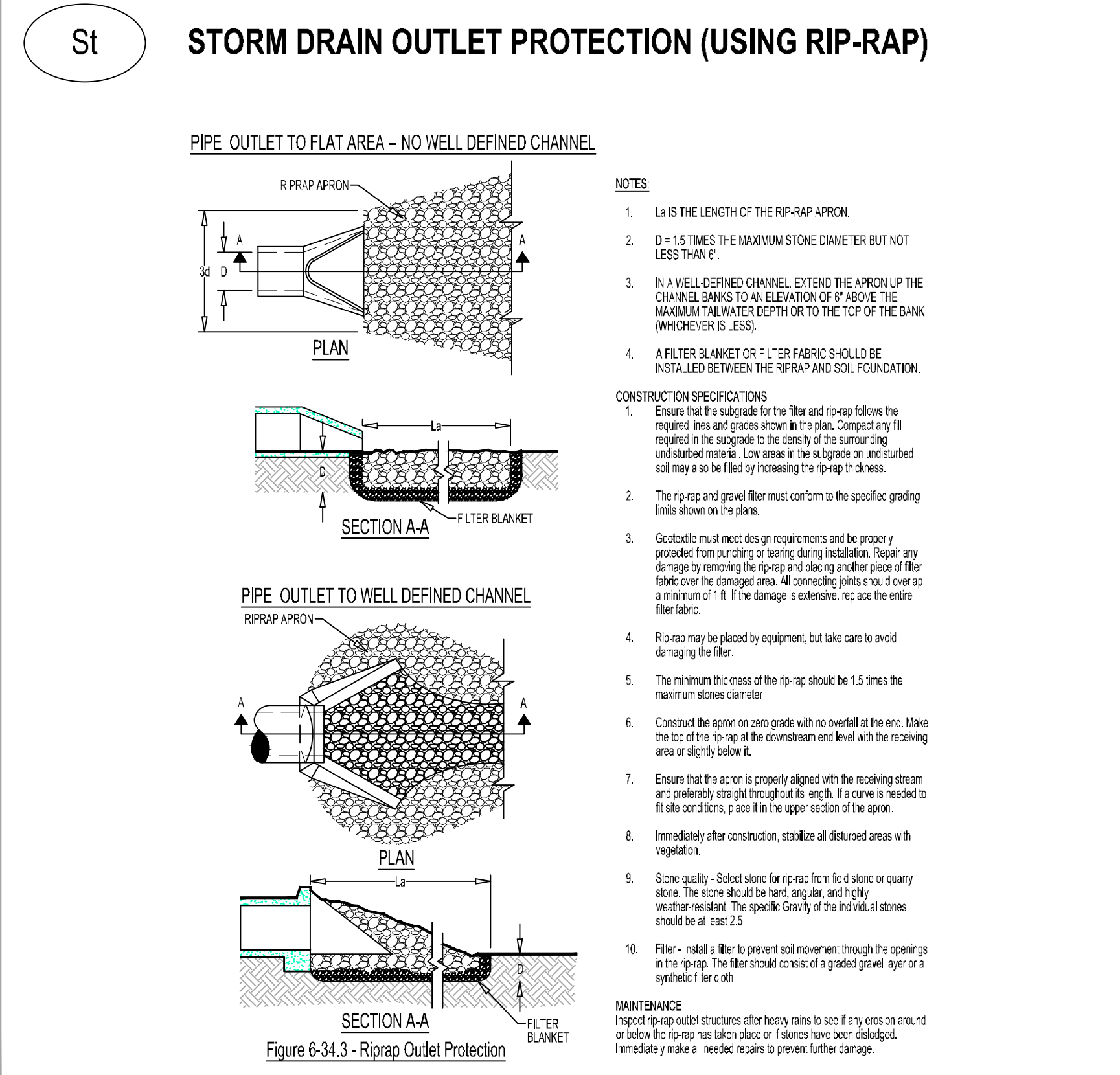
**MAINTENANCE**  
The trap shall be inspected daily and after each rain, and repairs made as needed. Sediment shall be removed when the sediment has accumulated to one-half the height of the trap.

Sediment shall be removed from curb inlet protection immediately. Sediment shall not be washed into the inlet. Inlet shall be removed from the sediment trap, disposed of and stabilized so that it will not enter the inlet again.

When the contributing drainage area has been permanently stabilized, all materials and any sediment shall be removed, and other salvaged or disposed of properly. The disturbed area shall be brought to proper grade, then smoothed and compacted. Appropriately stabilize all disturbed areas around the inlet.

**NOTE**  
1. DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).  
2. THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAX. OF 3' APART).  
3. THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.  
4. THE FABRIC SHOULD BE ENTRENCHED AT LEAST 12" AND THEN BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.

Figure 6-28-1 - Fabric and Supporting Frame for Inlet Protection



**CONSTRUCTION SPECIFICATIONS**  
Fiber fabric with Supporting Frame  
Silt fence material with wire reinforcement and supported by steel posts should be used. The stakes shall be spaced evenly around the perimeter of the inlet at a maximum of 3' apart, and securely driven into the ground, approximately 18" deep. The fabric shall be 36" tall and entrench 12" and backfilled with crushed stone or compacted soil. Fabric and wire shall be securely fastened to the posts and fabric ends must be overlapped a minimum of 18" or wrapped together around a post to provide a continuous fabric barrier around the inlet.

**MAINTENANCE**  
The trap shall be inspected daily and after each rain, and repairs made as needed. Sediment shall be removed when the sediment has accumulated to one-half the height of the trap. Sediment shall be removed from curb inlet protection immediately. For excavated inlet sediment traps, sediment shall be removed when one-half of the sediment storage capacity has been lost to sediment accumulation. Silt trap protection shall be maintained as specified in D64 - Stabilized Area Stabilization (Wet Seeding). Sediment shall not be washed into the inlet. Inlet shall be removed from the sediment trap, disposed of and stabilized so that it will not enter the inlet again. When the contributing drainage area has been permanently stabilized, all materials and any sediment shall be removed, and other salvaged or disposed of properly. The disturbed area shall be brought to proper grade, then smoothed and compacted. Appropriately stabilize all disturbed areas around the inlet.

**NOTE**  
1. IS THE LENGTH OF THE RIP-RAP APRON.  
2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".  
3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 2' ABOVE THE MAXIMUM TAIL WATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).  
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIP-RAP AND SOIL FOUNDATION.

**CONSTRUCTION SPECIFICATIONS**  
1. Ensure that the subgrade for the filter and rip-rap follows the required lines and grades shown in the plan. Compact any fill required in the subgrade to the density of the surrounding undisturbed material. Low areas in the subgrade or undisturbed soil may also be filled by compacting the rip-rap in place.  
2. The rip-rap and gravel filter must conform to the specified grading limits shown on the plans.  
3. Gravel shall meet design requirements and be properly protected from punching or tearing during installation. Repair any damage to existing rip-rap and bedding and rip-rap grade of filter fabric the damaged area. Connected joints should overlap a minimum of 1' 8". If the damage is extensive, replace the entire filter fabric.  
4. Rip-rap may be placed by equipment, but take care to avoid damaging the filter.  
5. The minimum thickness of the rip-rap should be 1.5 times the maximum stone diameter.  
6. Construct the apron on zero grade with no overlap at the end. Make the top of the rip-rap at the downstream level with the receiving area or slightly below it.  
7. Ensure that the apron is properly aligned with the receiving stream and adequately straight throughout its length. If a curve is needed at site conditions, place it in the upper portion of the apron.  
8. Immediately after construction, stabilize all disturbed areas with vegetation.  
9. Stone quality - Select stone for rip-rap from field stone or quarry stone. The stone should be hard, regular, and highly weather-resistant. The specific gravity of the individual stones should be at least 2.5.  
10. Filter - Install a filter to prevent soil movement through the openings in the rip-rap. The filter should consist of a graded gravel layer or a synthetic filter cloth.

**MAINTENANCE**  
Inspect rip-rap outlet structures after heavy rains to see if any erosion around or below the rip-rap has taken place or if stones have been dislodged. Immediately make all needed repairs to prevent further damage.

Figure 6-34-3 - Rip-rap Outlet Protection

**EXCAVATED INLET SEDIMENT TRAP - (Sd2-E)**

An excavation may be created around the inlet sediment trap to provide additional sediment storage. The trap shall be sized to provide a minimum storage capacity calculated at the rate of 0.1 cubic yards per acre of drainage area. A minimum depth of 1.5 feet for sediment storage should be provided. Side slopes shall not be steeper than 2:1.

**CONSTRUCTION SPECIFICATIONS**  
Fiber fabric with Supporting Frame  
Silt fence material with wire reinforcement and supported by steel posts should be used. The stakes shall be spaced evenly around the perimeter of the inlet at a maximum of 3' apart, and securely driven into the ground, approximately 18" deep. The fabric shall be 36" tall and entrench 12" and backfilled with crushed stone or compacted soil. Fabric and wire shall be securely fastened to the posts and fabric ends must be overlapped a minimum of 18" or wrapped together around a post to provide a continuous fabric barrier around the inlet.

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EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST		STAND ALONE CONSTRUCTION PROJECTS	
City/County: <u>Rockdale County</u>		Address: <u>SW Oglethorpe Bridge Rd, Conyers GA 30094</u>	
Project Name: <u>Kayak Takeout South River Water Trail Site 3</u>		SWDC: <u>ROCKDALE COUNTY Region 4</u>	
Name & email of person filling out checklist: <u>Miah Frye (miah@georgiacivil.com)</u>		Date on Plans: <u>4/11/2022</u>	
Plan: <u>included DOWN ON ES&amp;PC PLAN</u>		Plan: <u>included DOWN ON ES&amp;PC PLAN</u>	
Page #	Y/N	Page #	Y/N
C-4.6	Y		
C-4.1 thru C-4.6	Y		
n/a	n/a		
All	Y		
All	Y		
CV1.1-C4.1	Y		
CV1.1-C4.1	Y		
CV1.1-C4.1	Y		
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C-4.5 thru C-4.6	Y		

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CONYERS GA 30094  
ZONING: AR

**DRAWING DATE:** 05.05.22  
**DRAWN BY:** MSF  
**CHECKED BY:** JPB

**REVISIONS**

DATE:	DESCRIPTION:

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Sheet Title

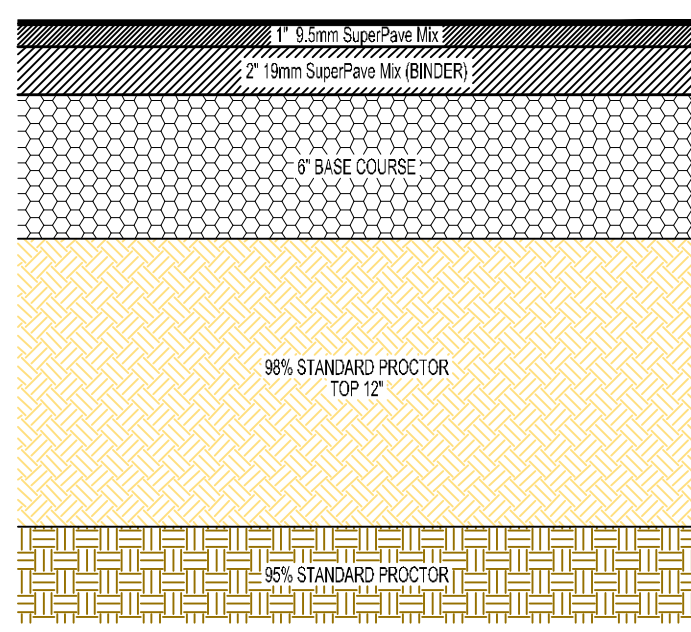
**EROSION, SEDIMENTATION, & POLLUTION CONTROL DETAILS**

Sheet Number

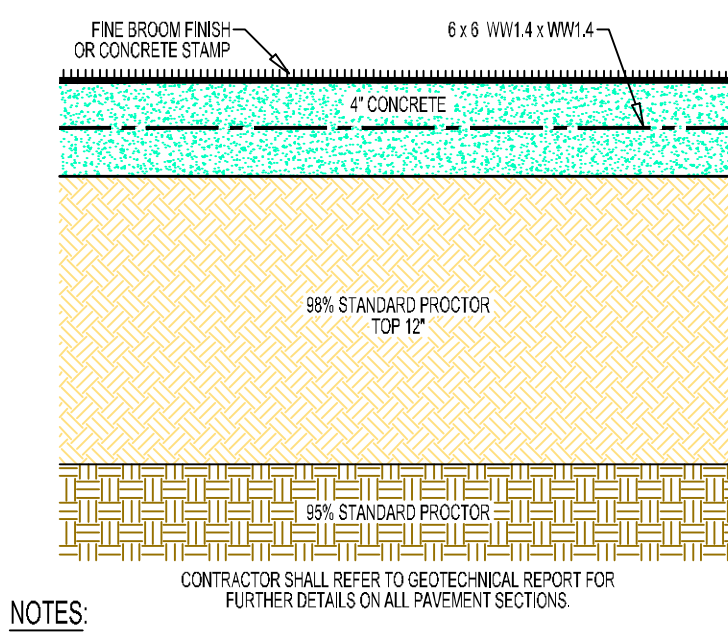
**C-4.6**

Effective January 1, 2022

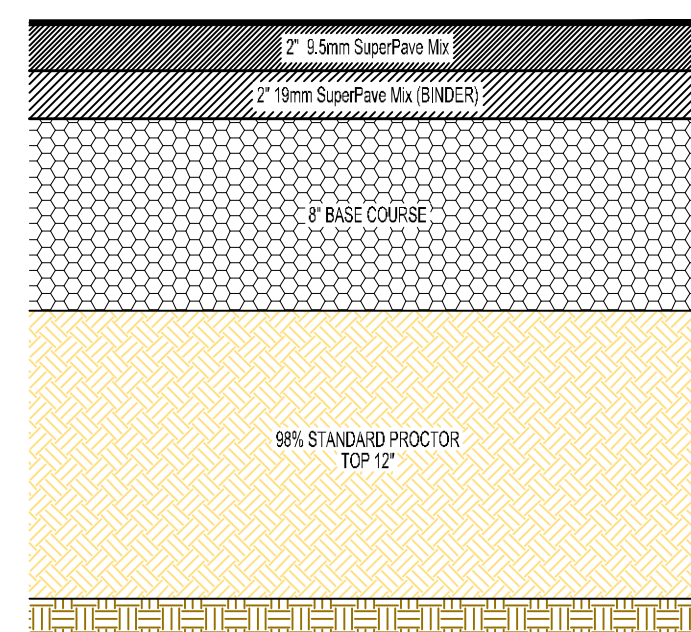




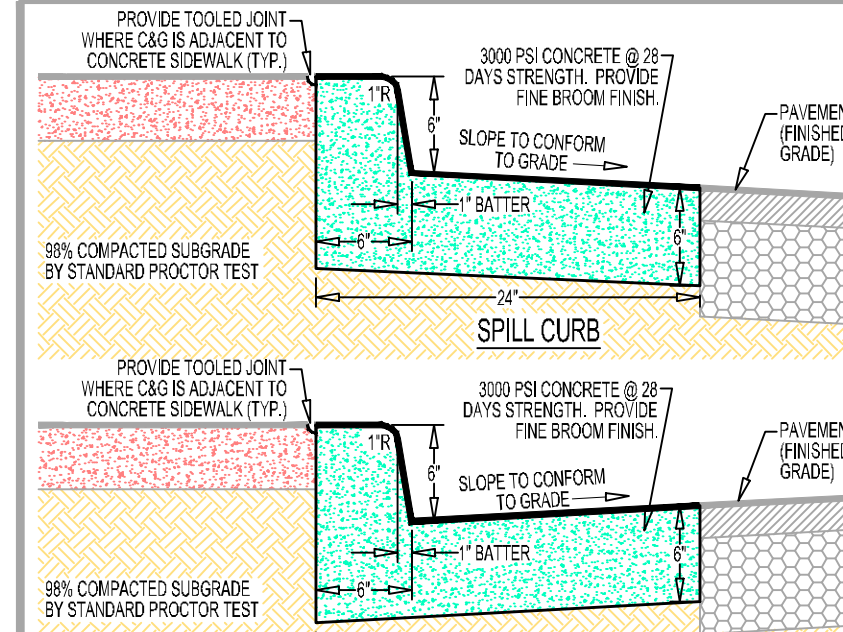
**STANDARD DUTY ASPHALT PAVING SECTION**



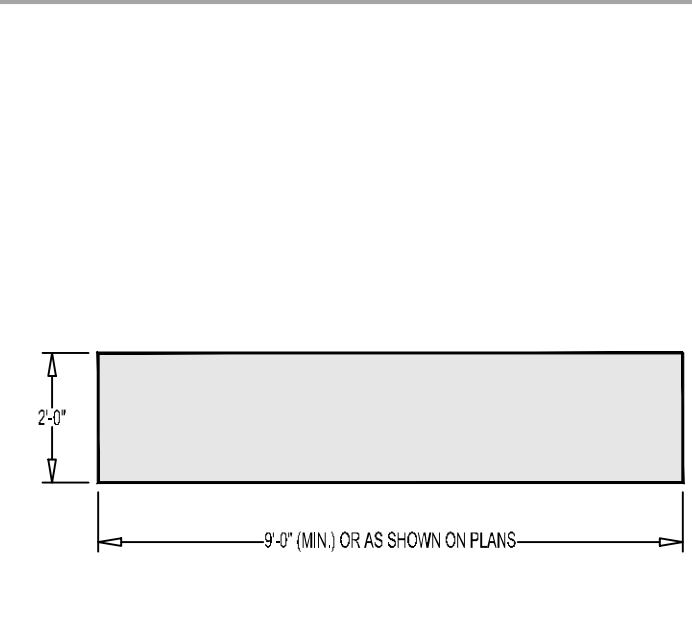
**STANDARD DUTY (PEDESTRIAN) CONCRETE SECTION**



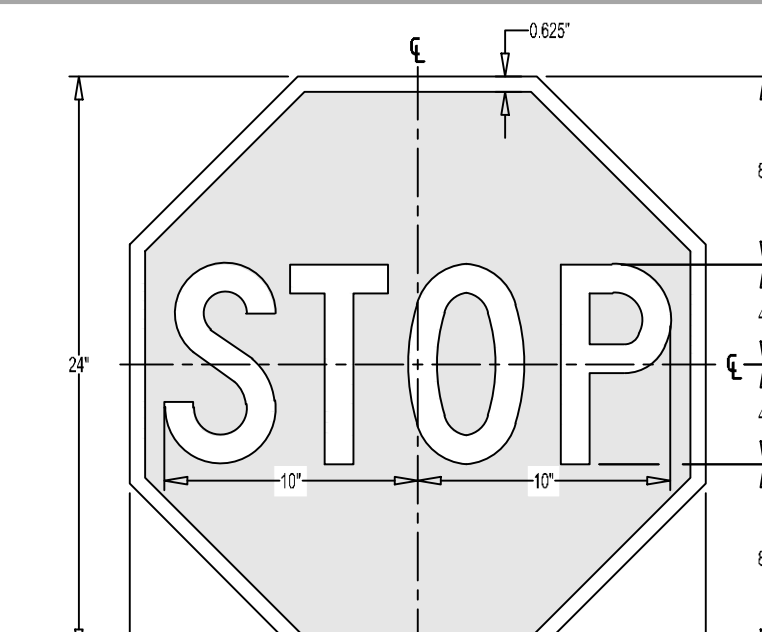
**HEAVY DUTY ASPHALT PAVING SECTION**



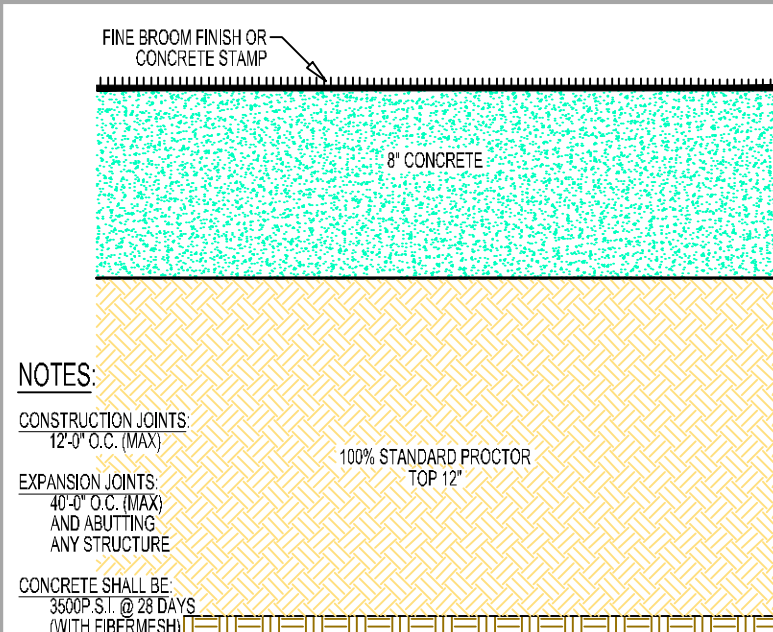
**24" CONCRETE CURB & GUTTER**



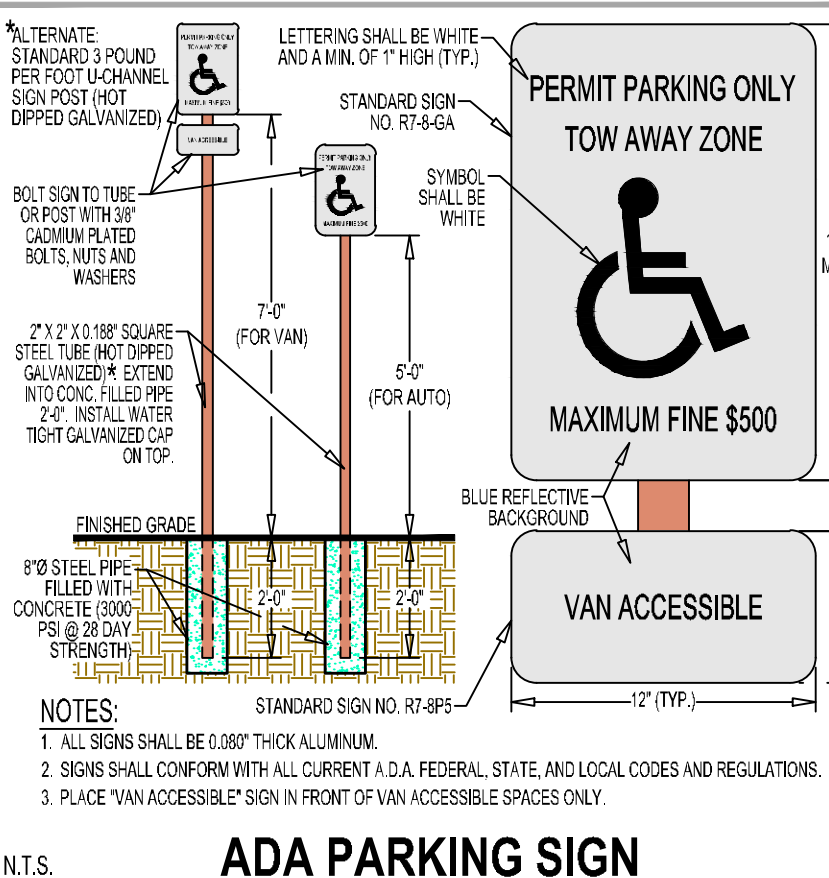
**PAINTED STOP BAR**



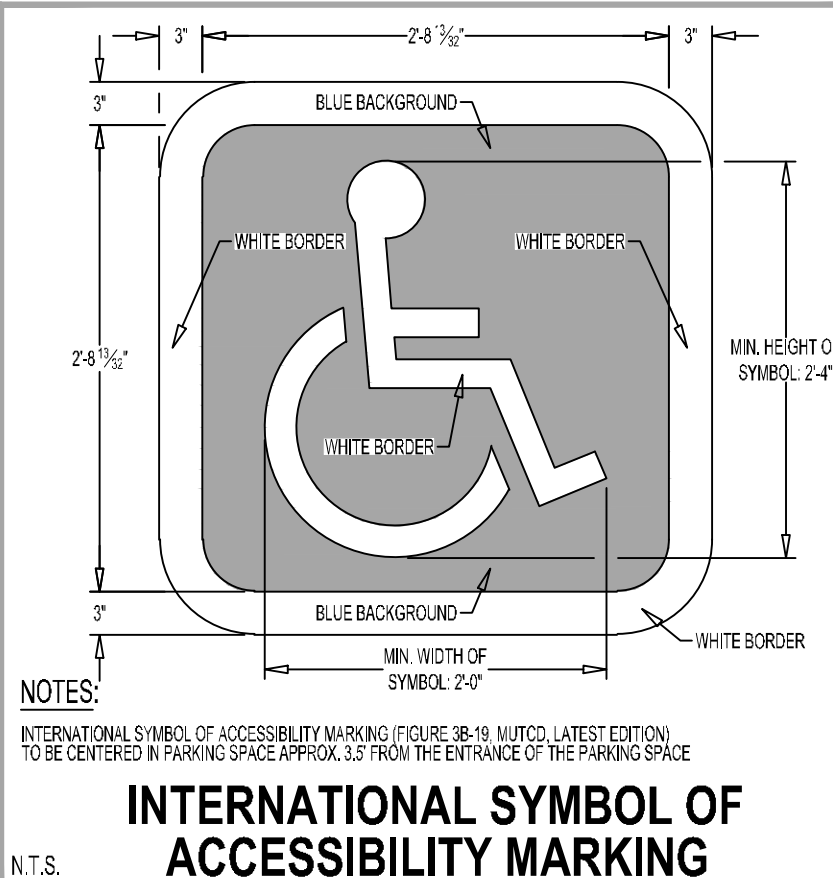
**STOP SIGN (STD. R1-1)**



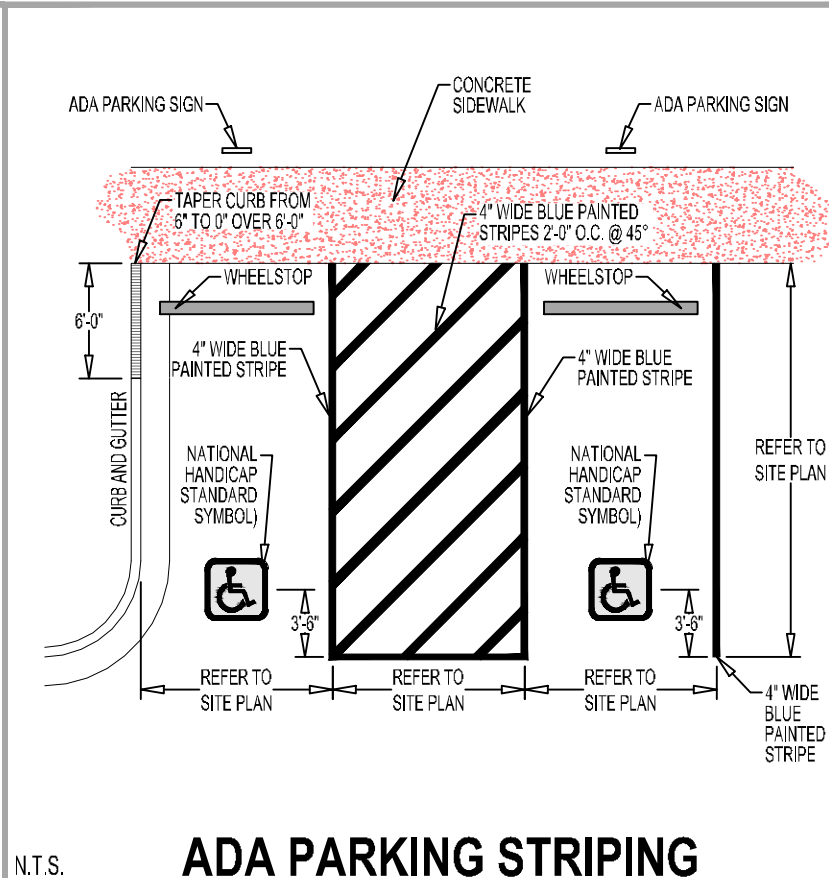
**CONCRETE SECTION FOR ENTRANCE APRON (PER ROCKDALE COUNTY)**



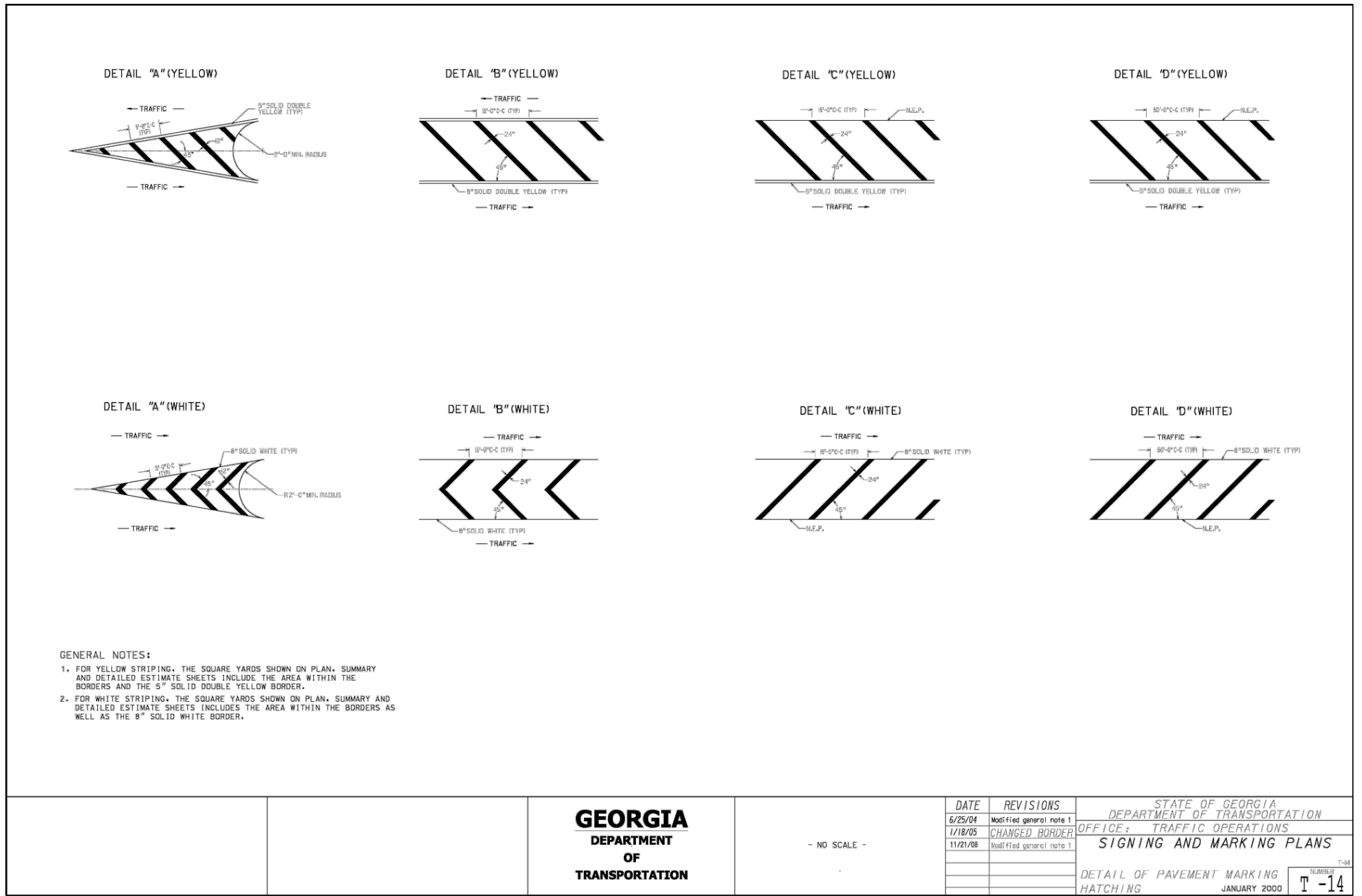
**ADA PARKING SIGN**



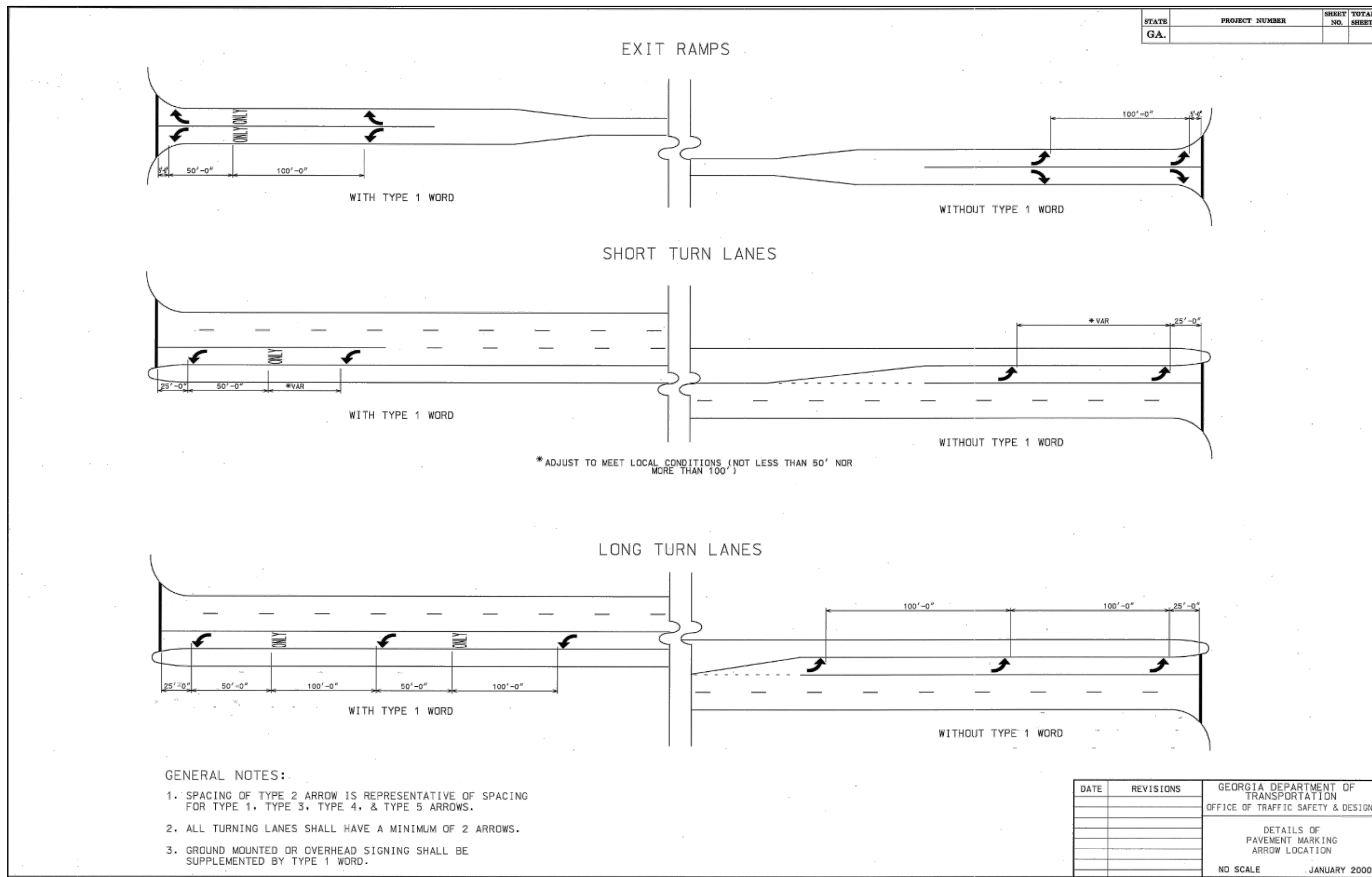
**INTERNATIONAL SYMBOL OF ACCESSIBILITY MARKING**



**ADA PARKING STRIPING**



**GENERAL NOTES:**  
 1. FOR YELLOW STRIPING, THE SQUARE YARDS SHOWN ON PLAN, SUMMARY AND DETAILED ESTIMATE SHEETS INCLUDE THE AREA WITHIN THE BORDERS AND THE 3" SOLID DOUBLE YELLOW BORDERS.  
 2. FOR WHITE STRIPING, THE SQUARE YARDS SHOWN ON PLAN, SUMMARY AND DETAILED ESTIMATE SHEETS INCLUDES THE AREA WITHIN THE BORDERS AS WELL AS THE 3" SOLID WHITE BORDERS.



**GENERAL NOTES:**  
 1. SPACING OF TYPE 2 ARROW IS REPRESENTATIVE OF SPACING FOR TYPE 1, TYPE 3, TYPE 4, & TYPE 5 ARROWS.  
 2. ALL TURNING LANES SHALL HAVE A MINIMUM OF 2 ARROWS.  
 3. GROUND MOUNTED OR OVERHEAD SIGNING SHALL BE SUPPLEMENTED BY TYPE 1 WORD.

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 LASON P. BROWN

**KAYAK TAKEOUT-SOUTH RIVER WATER TRAIL SITE 3**  
 OGLESBY BRIDGE RD SW  
 CONYERS GA 30094  
 ZONING: AR

DRAWING DATE:	05.05.22
DRAWN BY:	MSF
CHECKED BY:	JPB
REVISIONS	
DATE:	DESCRIPTION:

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**SITE DETAILS**  
 Sheet Number  
**C-8.1**



1 2 3 4 5 6 7

A

B

C

D

E



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CIVIL ENGINEERING  
LANDSCAPE ARCHITECTURE  
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3111 N. Main St, Ste. 101, Unit C  
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P: 706.342.1104 | F: 706.342.1105  
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Professional Seal

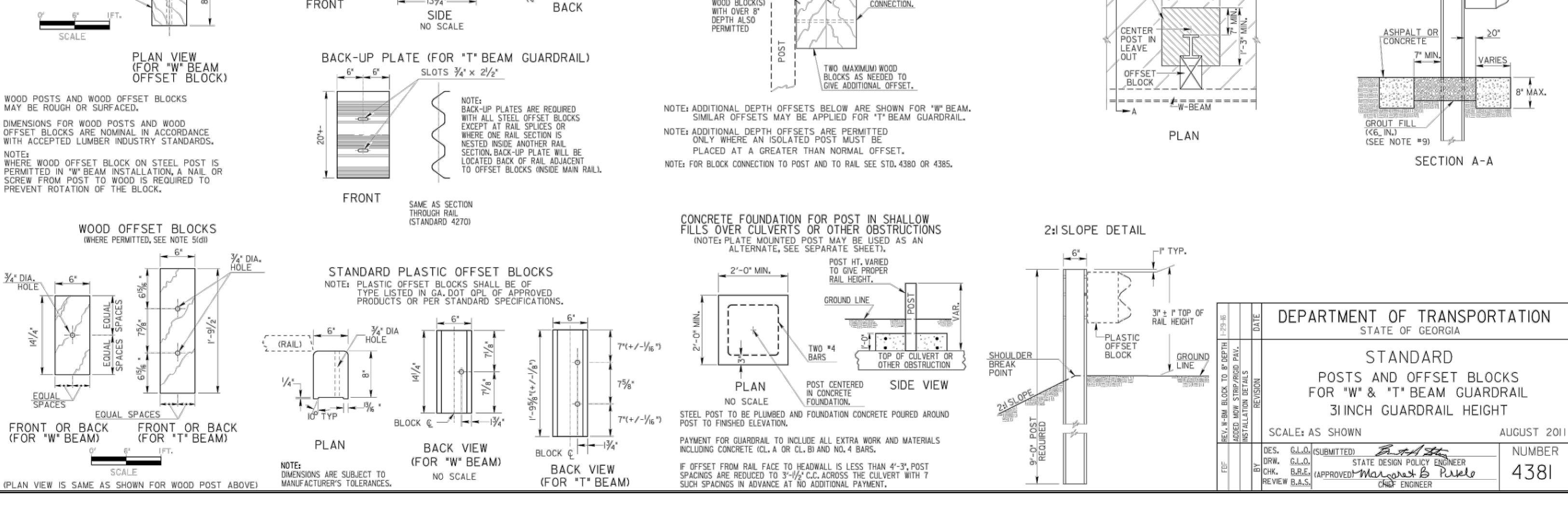
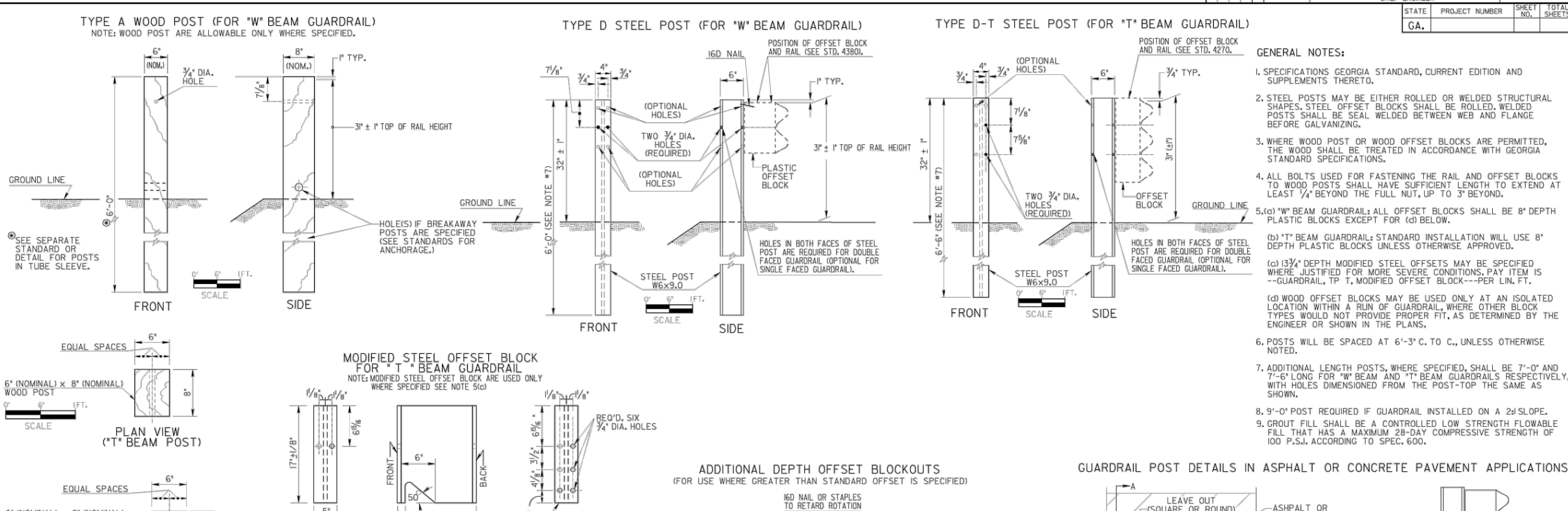
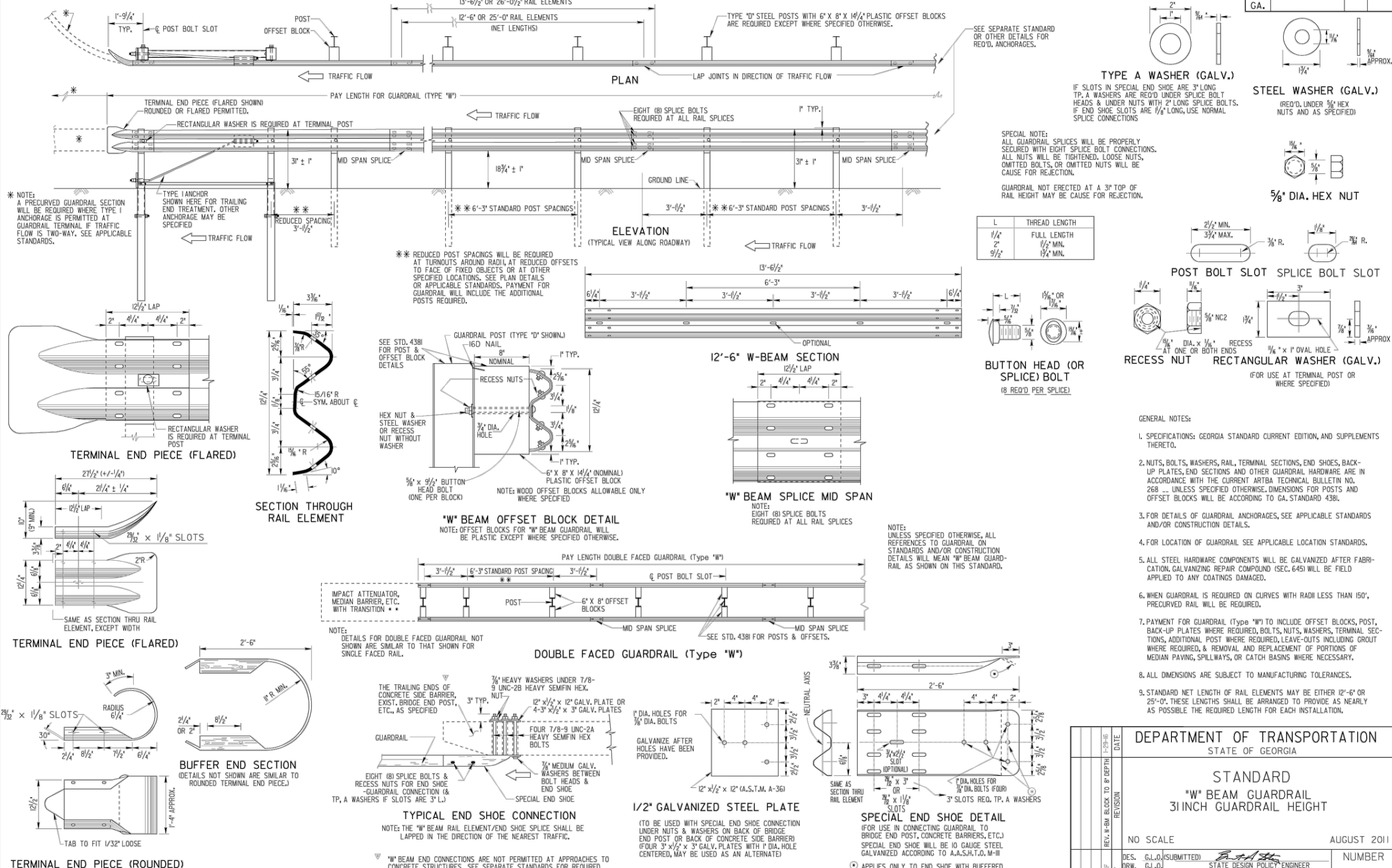


Project Information

**KAYAK TAKEOUT-SOUTH RIVER WATER**  
**TRAIL SITE 3**  
**OGLESBY BRIDGE RD SW**  
**CONVERS GA 30094**  
**ZONING-AR**

DRAWING DATE:	05.05.22
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STATE	PROJECT NUMBER	DRAWN BY	TOTAL SHEETS
GA.	20103475	MSF	10

DEPARTMENT OF TRANSPORTATION	
STATE OF GEORGIA	
STANDARD POSTS AND OFFSET BLOCKS FOR 'W' & 'T' BEAM GUARDRAIL 3 INCH GUARDRAIL HEIGHT	
SCALE: AS SHOWN	AUGUST 2011
DES. (GLA) SUBMITTED: <i>L.P. BROWN</i>	NUMBER: 4381
CHK. (GLA) STATE DESIGN POLICY ENGINEER: <i>L.P. BROWN</i>	
REVIEW (BLK) APPROVED: <i>L.P. BROWN</i>	
	PROF. ENGINEER