2. THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.

3. THE ONLY MATERIAL TO BE BURIED ON-SITE IS VEGETATIVE MATERIAL, PROVIDED IT IS NOT BURIED WITHIN 100' OF ANY PROPERTY LINE OR ENCLOSED STRUCTURE. CONSTRUCTION WASTE MAY NEITHER BE BURNED NOR BURIED AND MUST BE TAKEN TO A STATE APPROVED LANDFILL.

4. ALL WORK SHALL COMPLY WITH APPLICABLE STATE, FEDERAL AND LOCAL CODES.

5. ALL MATERIALS AND CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH THE FAYETTE COUNTY STANDARDS AND THE GEORGIA DEPARTMENT OF TRANSPORTATION, AS APPLICABLE.

6. DEVIATION FROM THESE PLANS AND SPECIFICATIONS WITHOUT THE PRIOR WRITTEN CONSENT OF THE ENGINEER MAY CAUSE THE WORK TO BE UNACCEPTABLE.

7. CONTRACTOR IS RESPONSIBLE FOR NOTIFICATIONS AND LIAISON WITH UTILITY COMPANIES IN THE PROCESS OF LOCATING, RELOCATION AND TIE-IN TO PUBLIC UTILITIES. ALSO, CONTRACTOR IS RESPONSIBLE FOR NOTIFYING ALL INSPECTORS, INCLUDING COUNTY AND CITY INSPECTORS PRIOR TO BEGINNING SITE CONSTRUCTION.

B. THERE MAY BE ADDITIONAL UTILITIES THAN THOSE SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR LOCATIONS SHOWN AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS AND NECESSARY INVERTS OF ALL UTILITIES WITHIN THE LIMITS OF CONSTRUCTION. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE DEPARTMENT OF THE UTILITY COMPANIES. THE CONTRACTOR IS RESPONSIBLE FOR THE NOTIFICATIONS AND LIAISON WITH UTILITY COMPANIES IN THE PROCESS OF LOCATING. RELOCATING AND TIE-IN TO THE PUBLIC UTILITIES.

9. IF CONTRACTOR DAMAGES ANY EXISTING UTILITIES DURING CONSTRUCTION, HE SHALL, AT HIS OWN EXPENSE, REPLACE OR REPAIR THE UTILITIES TO ORIGINAL CONDITION AND QUALITY, AS APPROVED BY THE ENGINEER AND REPRESENTATIVE OF THE APPROPRIATE UTILITY COMPANY.

10. LAND DISTURBANCE PERMIT TO BE DISPLAYED ON SITE AT ALL TIMES DURING CONSTRUCTION.

11. CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IN RIGHT-OF-WAY AND MUST BE STORED WITHIN SITE.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A MARKED-UP SET OF DESIGN DRAWINGS SHOWING ALL "AS-BUILT " CONDITIONS. THESE "RECORD DRAWINGS" SHALL BE MADE AVAILABLE TO THE DESIGNER AND/OR THE COUNTY INSPECTOR UPON REQUEST. THE MARK-UPS SHALL BE AT THE SITE AT ALL TIMES AND SHALL BE UTILIZED BY THE CONTRACTOR TO DEVELOP FINAL RECORD DRAWINGS.

13. STUMPS AND CONSTRUCTION DEBRIS SHALL BE DEPOSITED IN A PROPERLY PERMITTED LANDFILL.

14. THIS PROPERTY IS NOT LOCATED IN A 100 YEAR FLOOD HAZARD AREA BASED ON THE FLOOD INSURANCE RATE MAP FOR THIS AREA. THE MAP NUMBER FOR THIS AREA IS 13113C0107E, AND THE DATE OF SAID MAP IS SEPTEMBER 26, 2008. THIS DETERMINATION WAS MADE BY GRAPHICALLY DETERMINING THE POSITION OF THIS SITE ON SAID FIRM MAP UNLESS NOTED OTHERWISE.

15. THE CONTRACTOR SHALL TELEPHONE TOLL FREE 1-800-282-7411 A MINIMUM OF 48 HOURS PRIOR TO THE START OF ANY EXCAVATION AS SHOWN AND NOTED ON THE PLANS FOR A UTILITY LOCATION SERVICE.

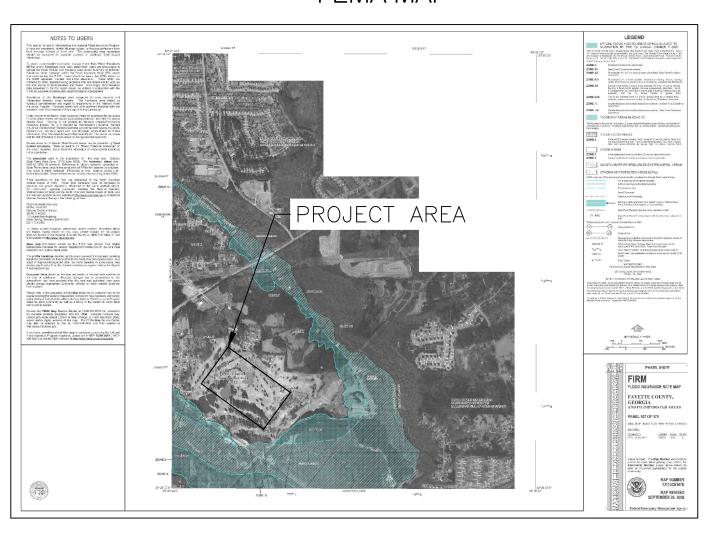
16. ALL APPROPRIATE SITE WORK SHALL CONFORM TO ADA STANDARDS.

APPROVAL REVIEW STAMPS

LOCATION MAP (NTS)



FEMA MAP



FEMA STATEMENT

THIS PROPERTY IS NOT LOCATED IN A 100 YEAR FLOOD HAZARD AREA BASED ON THE FLOOD INSURANCE RATE MAP FOR THIS AREA. THE MAP NUMBER FOR THIS AREA IS 13113C0107E AND THE DATE OF SAID MAP IS SEPTEMBER 26, 2008.

REQUIRED ENGINEER'S INSPECTION

AS PER THE GEORGIA DEPARTMENT OF NATURAL RESOURCES ENVIRONMENTAL PROTECTION DIVISION, NPDES GENERAL PERMITS FOR CONSTRUCTION ACTIVITY GAR100001, GAR100002, & GAR100003; PART IV, A., 7 REQUIRES THE EROSION CONTROL PLAN DESIGN PROFESSIONAL TO MAKE A SITE INSPECTION. FOR STAND ALONE PROJECTS THAT BEGIN CONSTRUCTION ACTIVITY AFTER THE EFFECTIVE DATE OF THIS PERMIT, THE PRIMARY PERMITEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN, EXCEPT WHEN THE PRIMARY PERMITEE HAS REQUESTED IN WRITING AND EPD HAS AGREED TO AN ALTERNATE DESIGN PROFESSIONAL, TO INSPECT THE INSTALLATION OF THE CONTROL MEASURES (BMP'S) WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS AFTER THE INITIAL CONSTRUCTION ACTIVITIES COMMENCE. FOR CONSTRUCTION ACTIVITIES WHERE CONSTRUCTION BEGAN ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THE INSPECTION IS TO OCCUR WITHIN SEVEN (7) DAYS AFTER THE PLAN HAS BEEN IMPLEMENTED. THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMP'S 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 PERMITEE 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



24 HOUR CONTACT: BARRY BABB

TEL: (770)- 706-4800

PROJECT INFORMATION

FAYETTE COUNTY SHERIFF VEHICLE TACTICAL TRAINING FACILITY

ADDRESS: 340 HEWELL ROAD JONESBORO, GA 30238

LAND LOTS 172 OF THE 5TH DISTRICT FAYETTE COUNTY, GEORGIA

TOTAL AREA: 51 ACRES DISTURBED AREA: 30.53 ACRES

OWNER:

NAME: FAYETTE COUNTY ADDRESS: 155 JOHNSON AVENUE FAYETTEVILLE, GA 30214

CONTACT: BARRY BABB PHONE: (770)- 706-4800

ER-500

EROSION CONTROL DETAILS

EROSION CONTROL DETAILS

30

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RIF

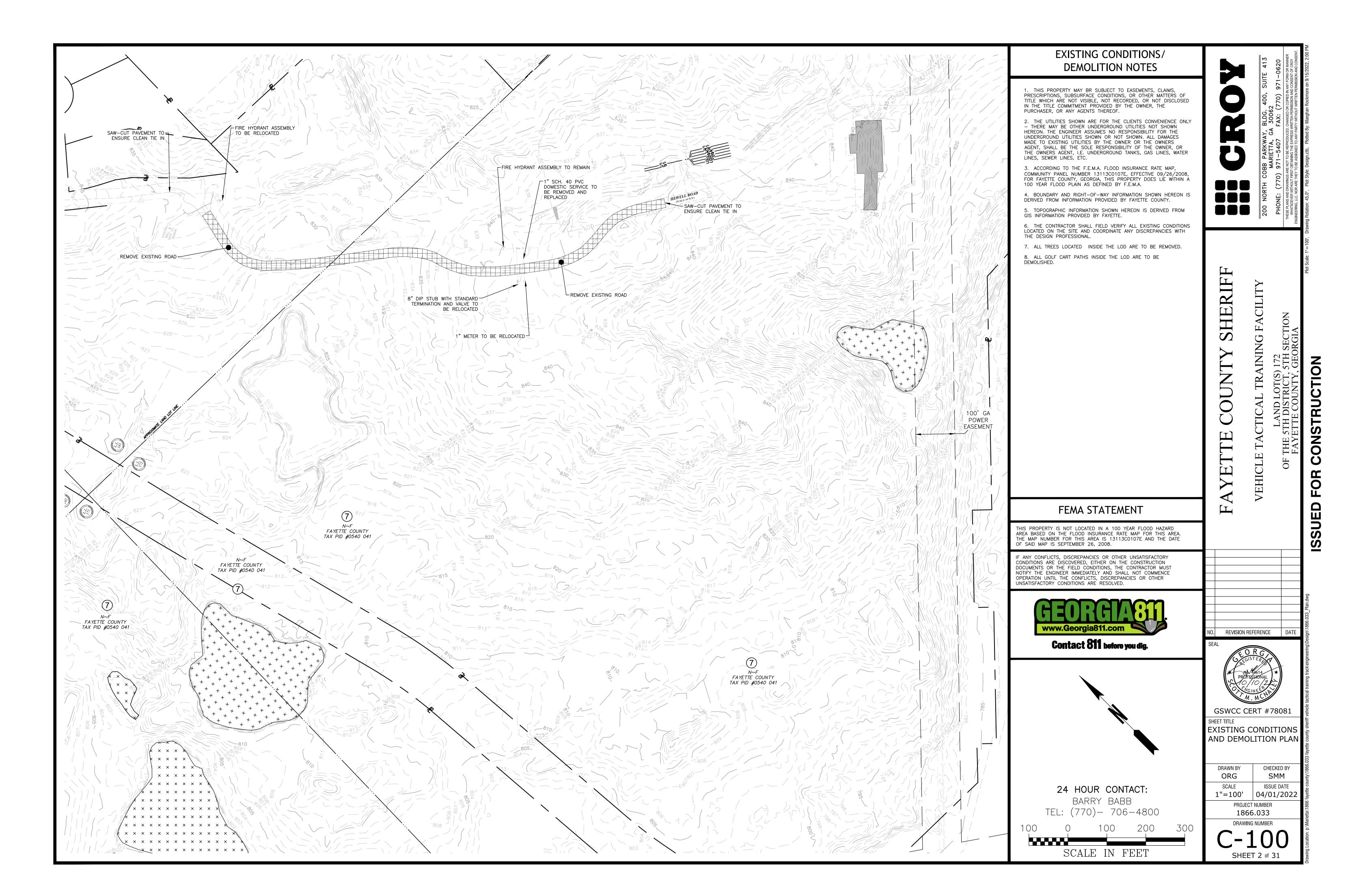
		SHEET INDEX		
SHEET	DRAWING NAME		PLAN DATE	LAST REVISED
1	C-000	COVER SHEET	04/01/2022	
2	C-100	EXISTING CONDITIONS AND DEMOLITION PLAN	04/01/2022	
3	C-200	OVERALL SITE AND UTILITY PLAN	04/01/2022	
4	C-201	SITE AND UTILITY PLAN	04/01/2022	
5	C-202	SITE AND UTILITY PLAN	04/01/2022	
6	C-203	SITE AND UTILITY PLAN	04/01/2022	
7	C-204	ROADWAY PROFILE	04/01/2022	
8	C-205	ROADWAY PROFILE	04/01/2022	
9	C-206	ROADWAY PROFILE	04/01/2022	
10	C-207	ROADWAY PROFILE	04/01/2022	
11	C-208	ROADWAY PROFILE	04/01/2022	
12	C-209	ROADWAY PROFILE	04/01/2022	
13	C-210	ROADWAY PROFILE	04/01/2022	
14	C-211	TYPICALS	04/01/2022	
15	C-300	GRADING AND DRAINAGE PLAN	04/01/2022	
16	C-301	GRADING AND DRAINAGE PLAN	04/01/2022	
17	C-302	GRADING AND DRAINAGE PLAN	04/01/2022	
18	C-400	STORM PROFILES		
19	C-401	STORM PROFILES	04/01/2022	
20	C-402	STORM PROFILES	04/01/2022	
21	C-403	STORMWATER MANAGEMENT SHEET	04/01/2022	
22	C-404	STORMWATER MANAGEMENT DATA	04/01/2022	
23	C-501	CONSTRUCTION DETAILS	04/01/2022	
24	C-502	CONSTRUCTION DETAILS	04/01/2022	
25	ER-000	EROSION CONTROL COVER SHEET	04/01/2022	
26	ER-100	EROSION CONTROL NOTES	04/01/2022	
27	ER-200	EROSION CONTROL PLAN - INITIAL PHASE	04/01/2022	
28	ER-300	EROSION CONTROL PLAN - INTERMEDIATE PHASE	04/01/2022	
29	ER-400	EROSION CONTROL PLAN - FINAL PHASE	04/01/2022	

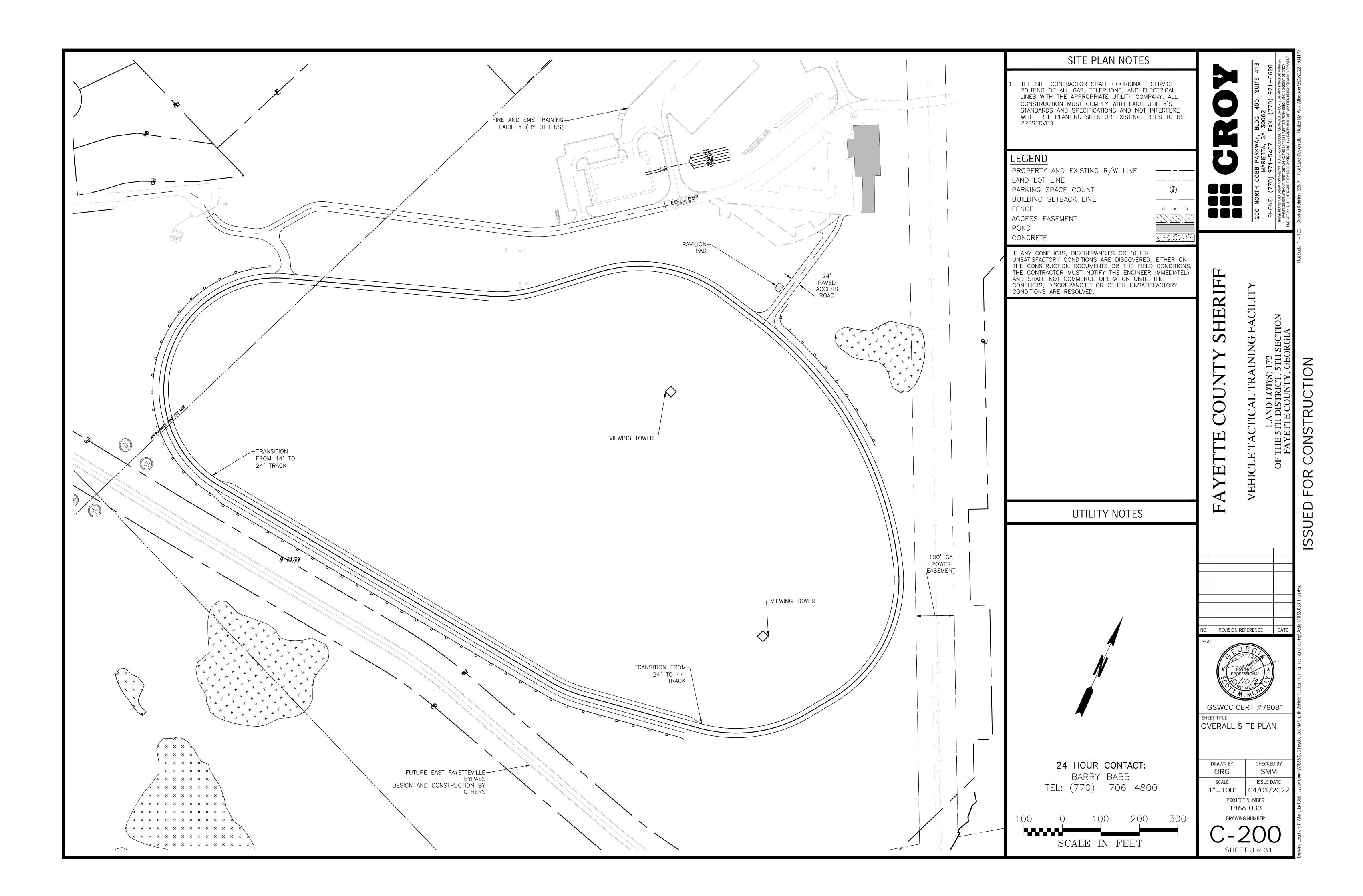
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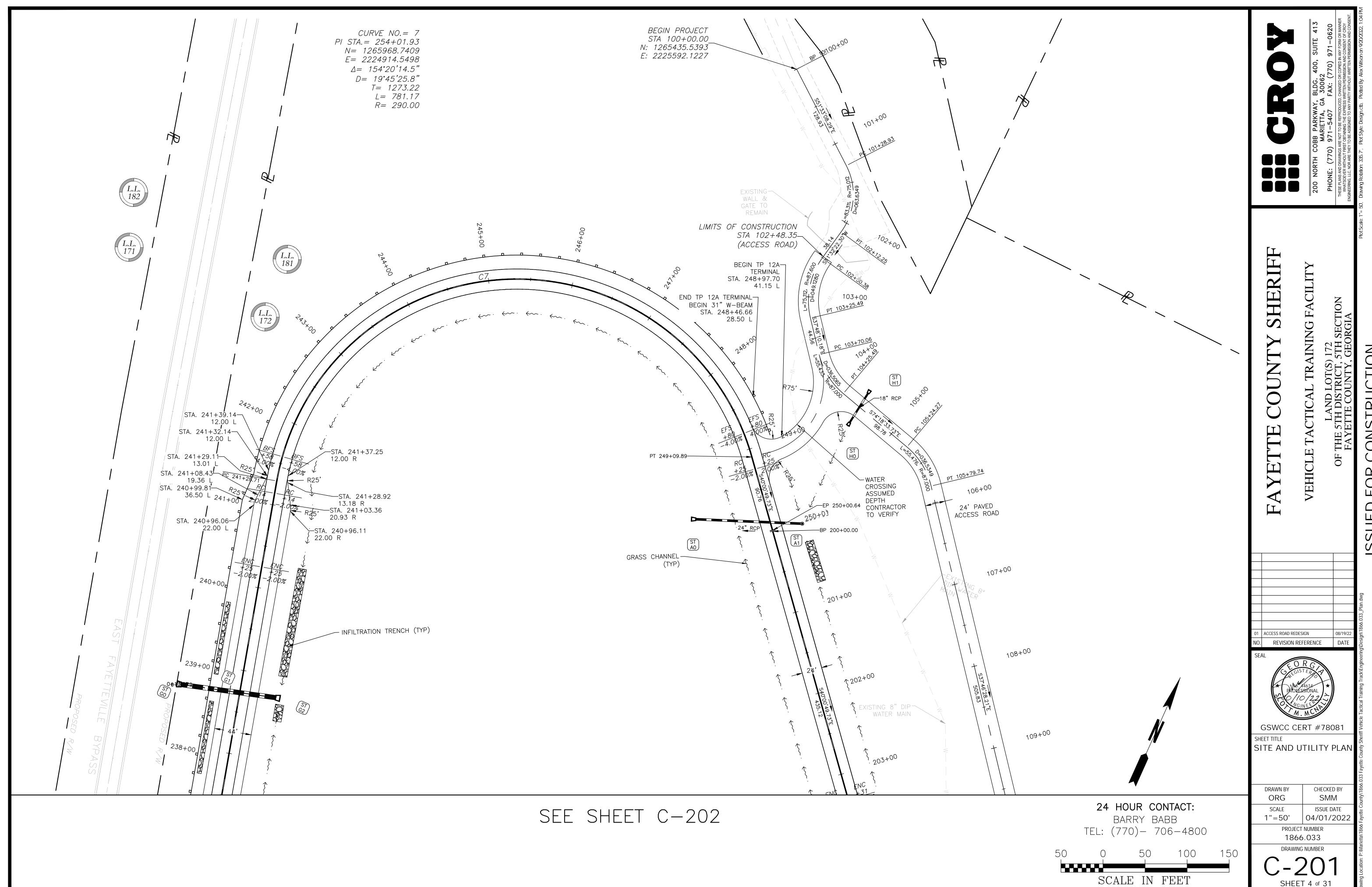
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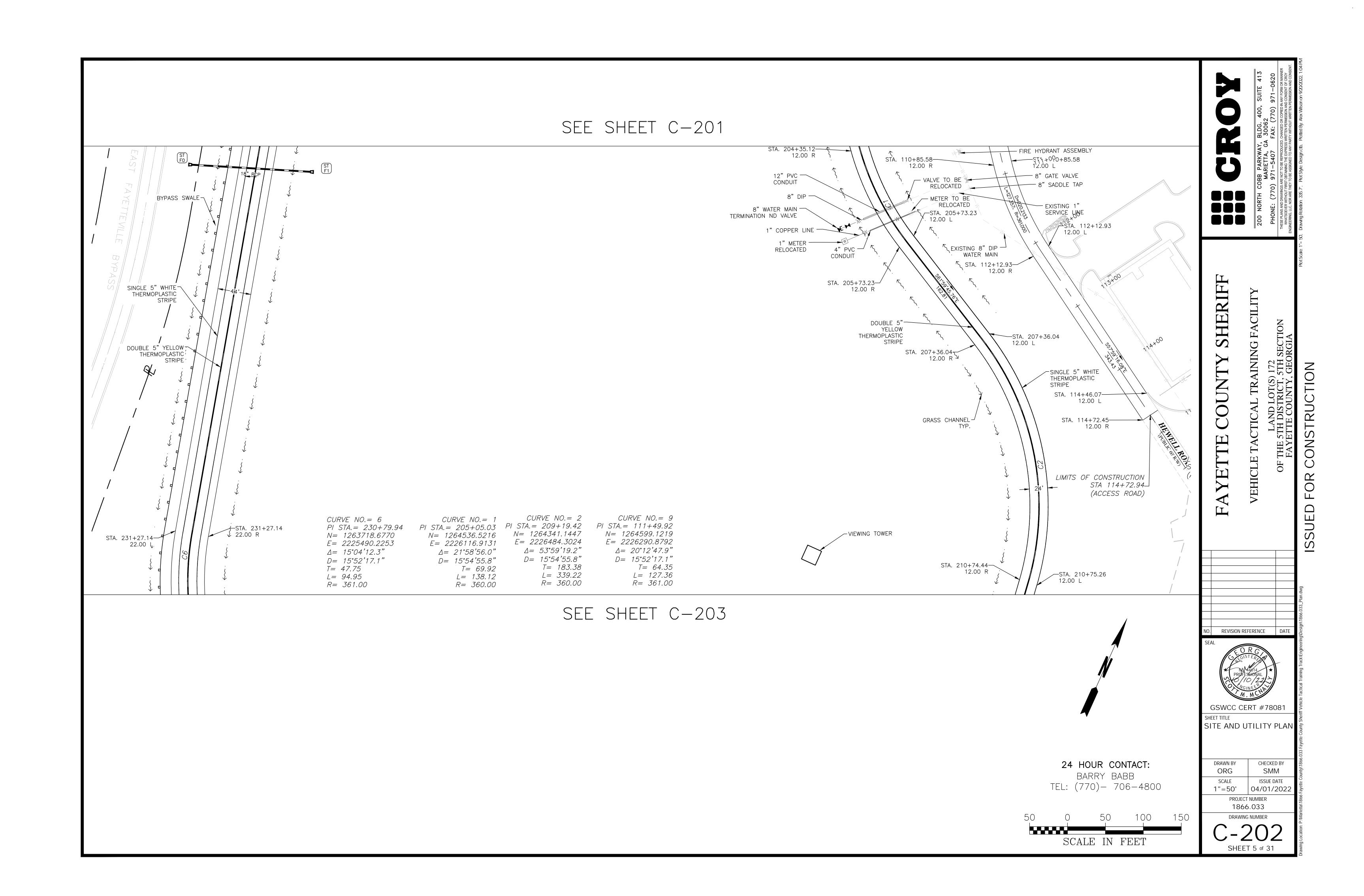
01 NO.	ACCESS ROAD REDES		08/19/22 DATE
SEA			5,112
	GSWCC CE	WCA	081
	EET TITLE OVER SHE	ET	
	DRAWN BY ORG	CHECKEI SMI	
	SCALE NONE	ISSUE D 04/01/2	
	PROJECT 1866		
	DRAWING - C	NUMBER ()

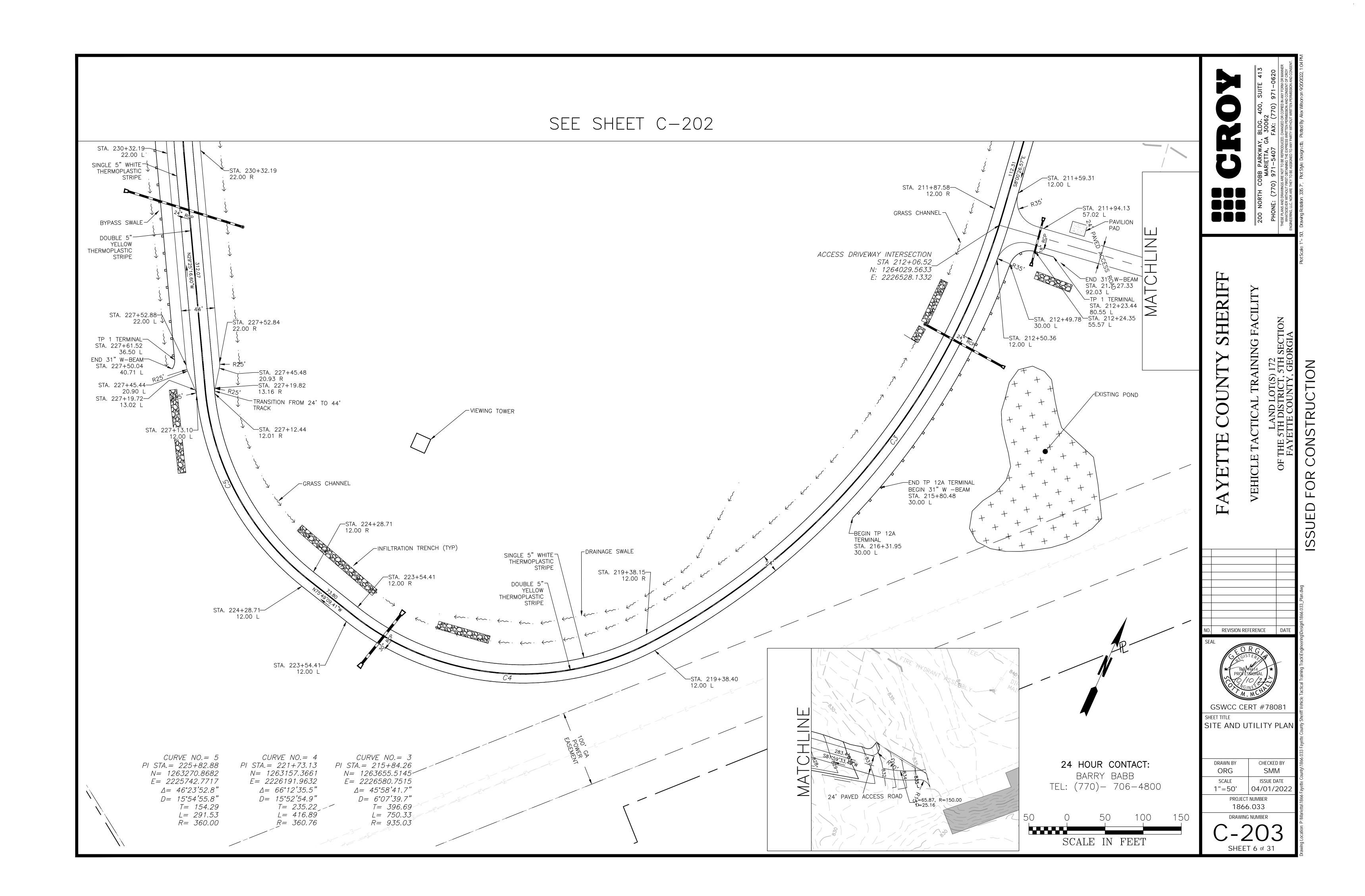
SHEET 1 of 31

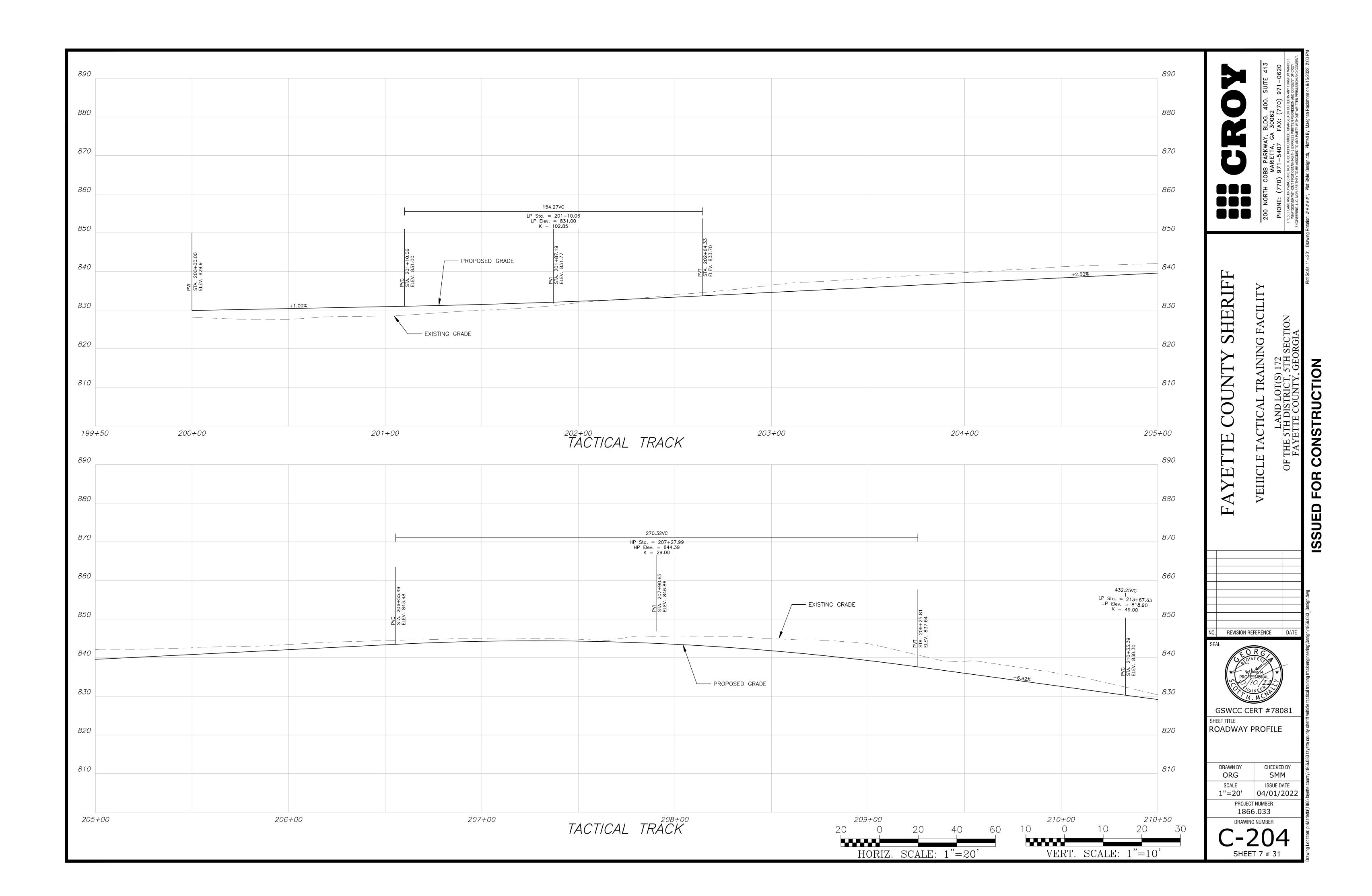


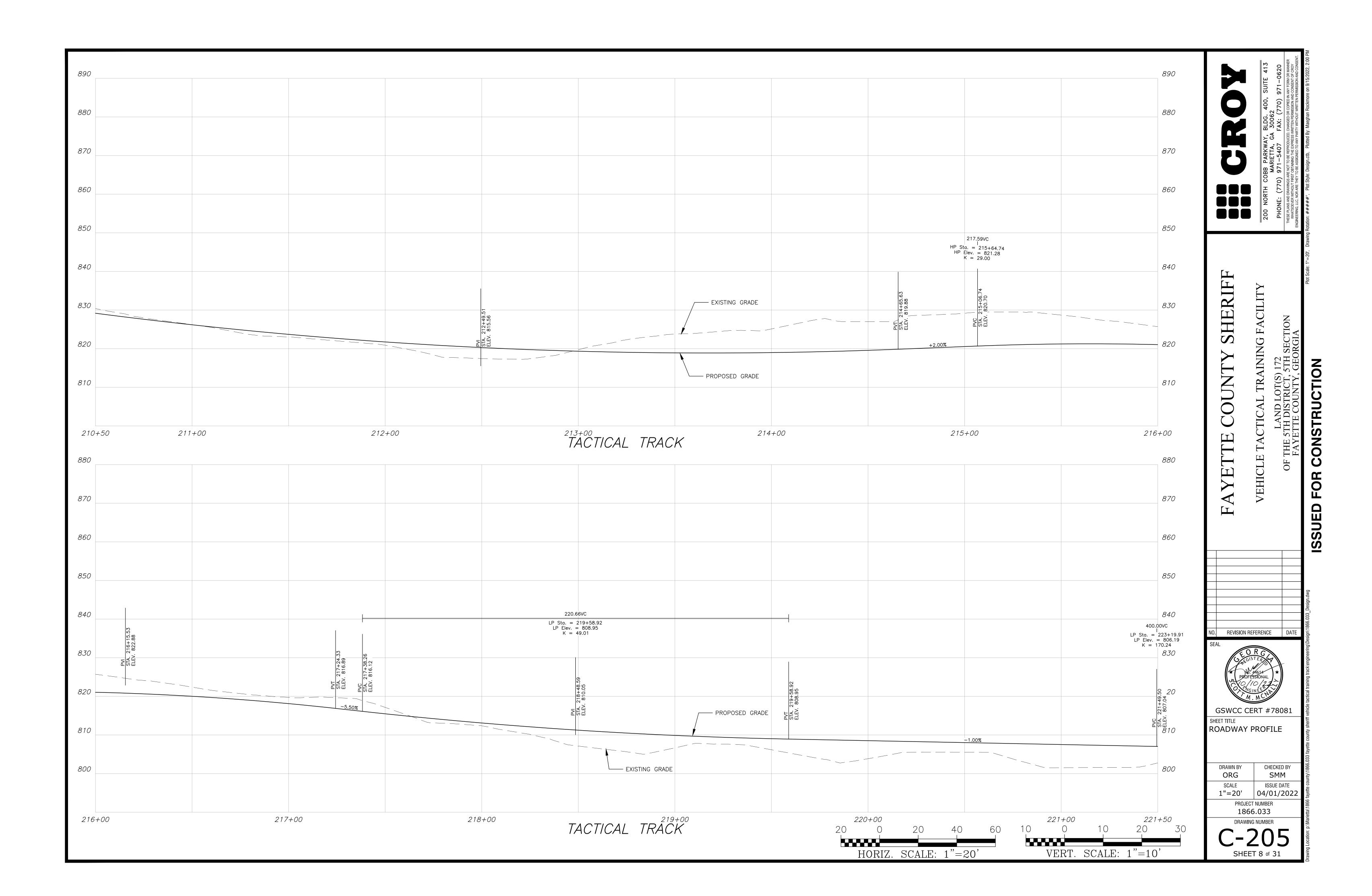


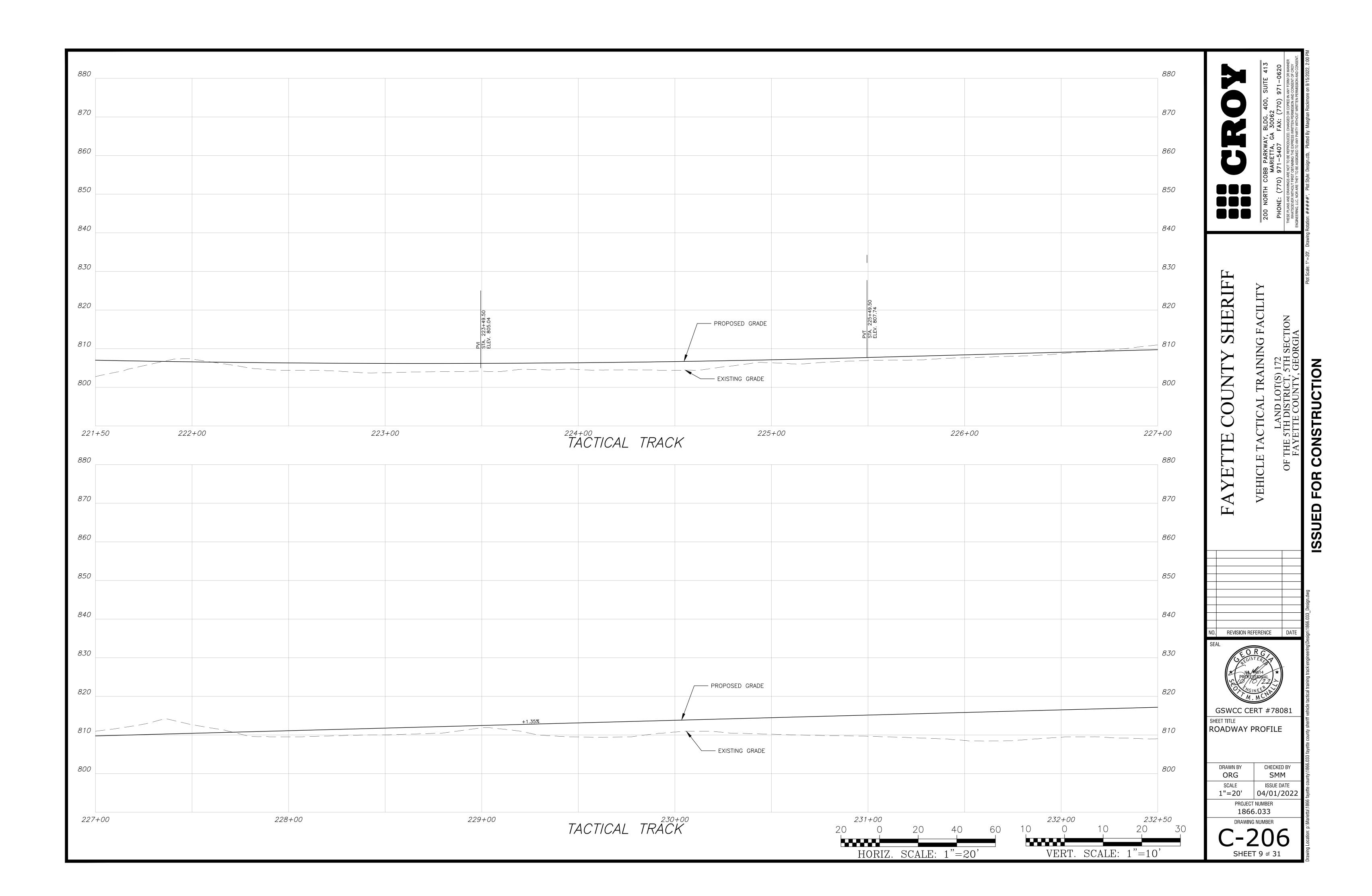


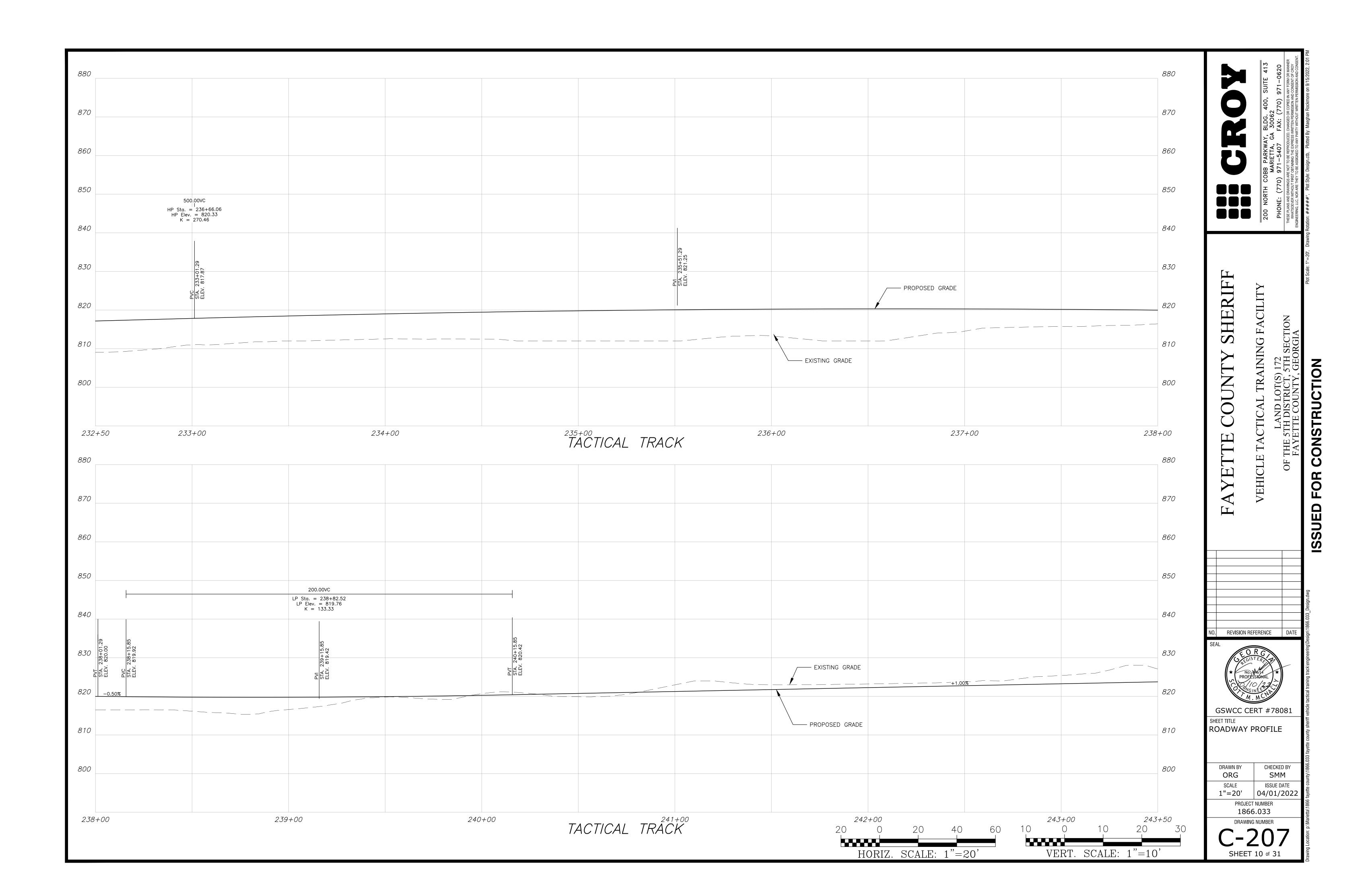


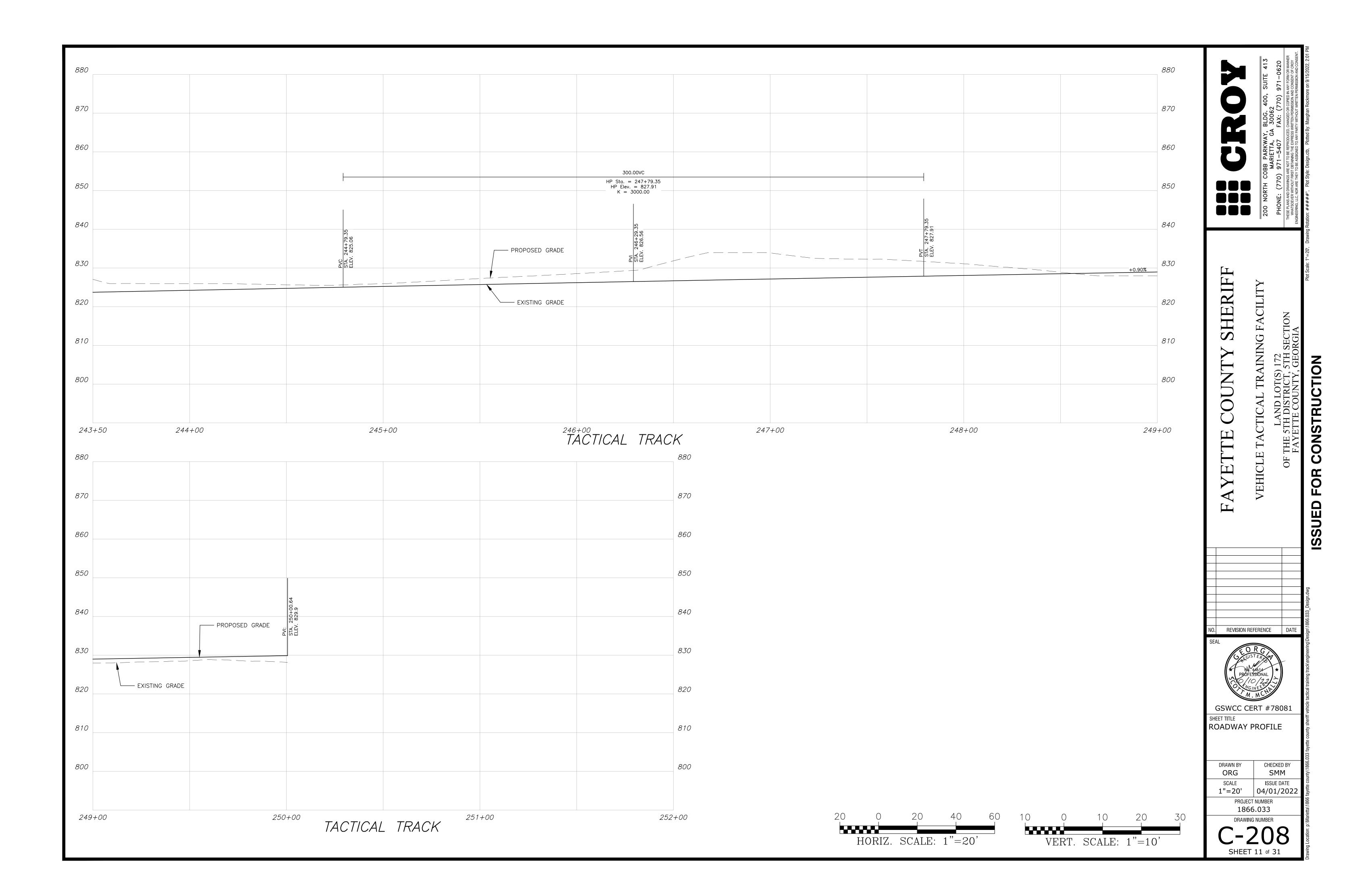


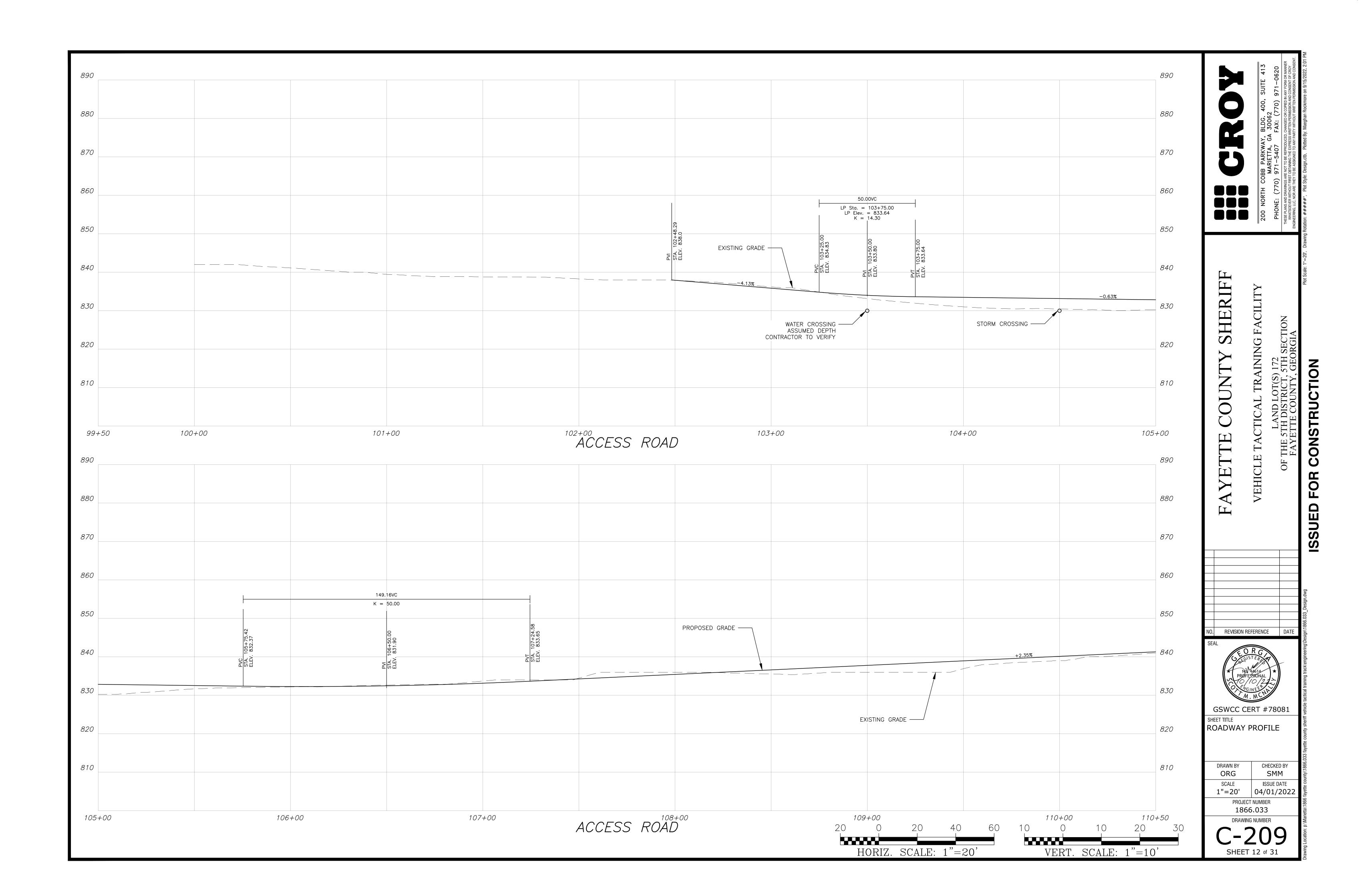


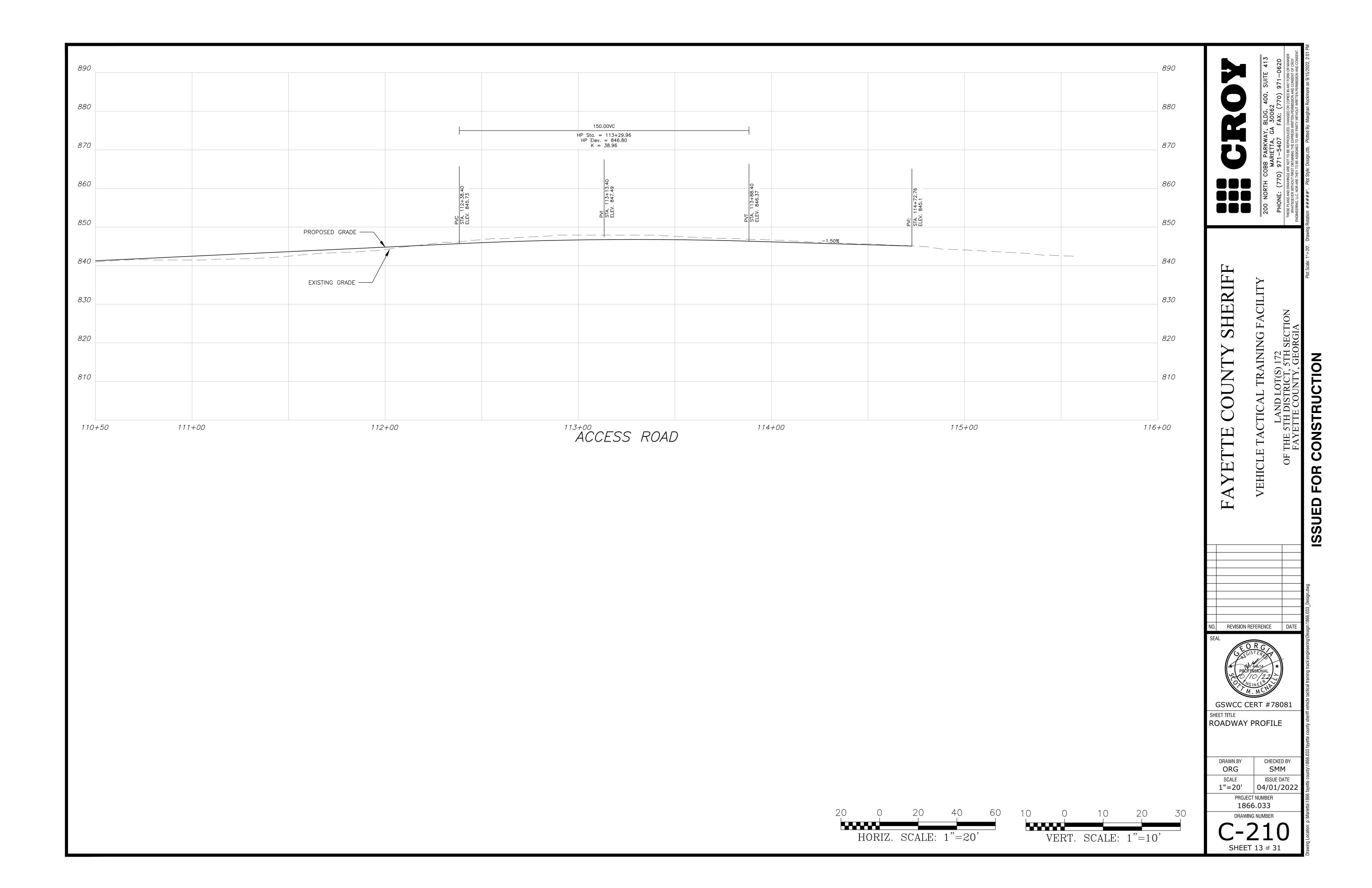












SHERIFF

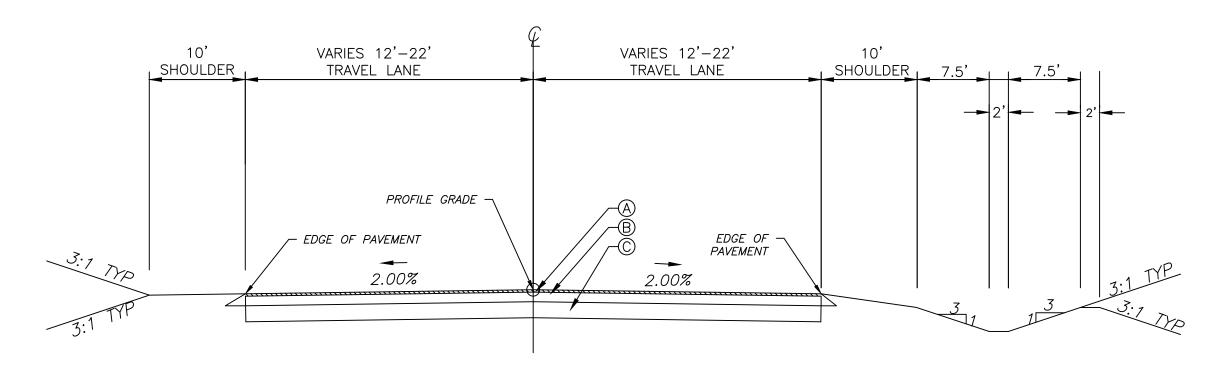
SHEET TITLE
TYPICALS

CHECKED BY SMM SCALE NTS ISSUE DATE 04/01/2022 PROJECT NUMBER 1866.033

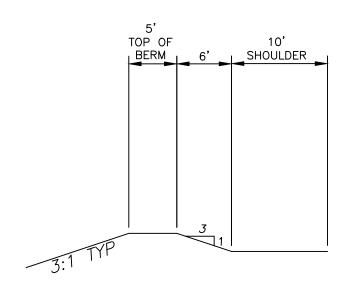
SHEET 14 of 31

VARIES 12'-22' TRAVEL LANE VARIES 12'-22' TRAVEL LANE 10' SHOULDER 7.5' 10'
SHOULDER PROFILE GRADE -EDGE OF PAVEMENT - EDGE OF PAVEMENT 3:1 mp

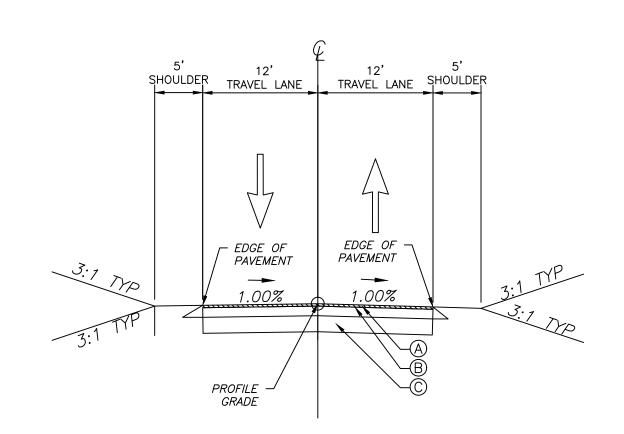
> TYPICAL SECTION #1 TACTICAL TRAINING TRACK STA. 200+00.00 TO STA. 250+00.76



TYPICAL SECTION #2 TACTICAL TRAINING TRACK STA. 200+00.00 TO STA. 250+00.76



TYPICAL SECTION #3 <u>BERM</u> STA. 227+49.14 TO STA. 243+13.54

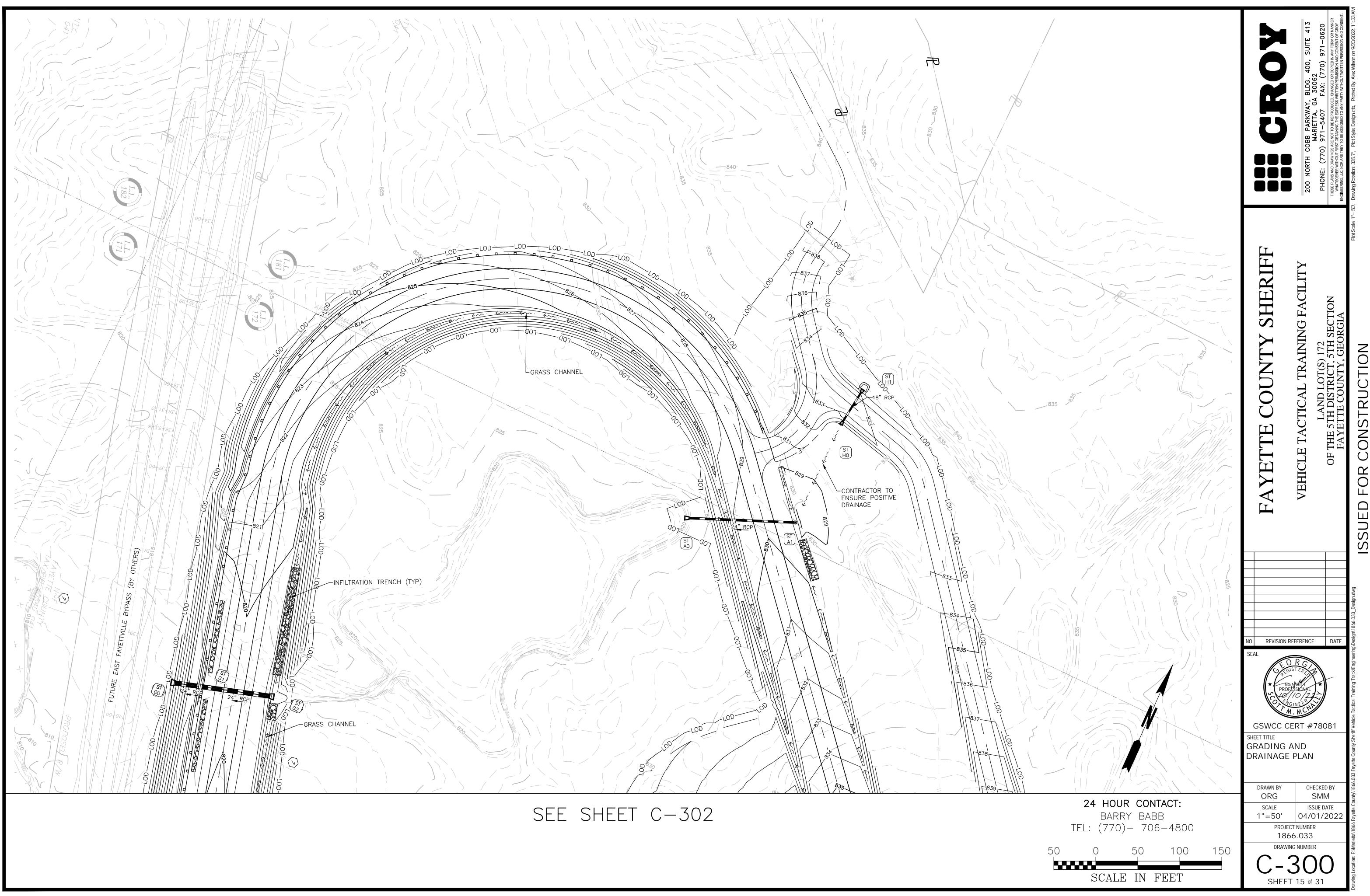


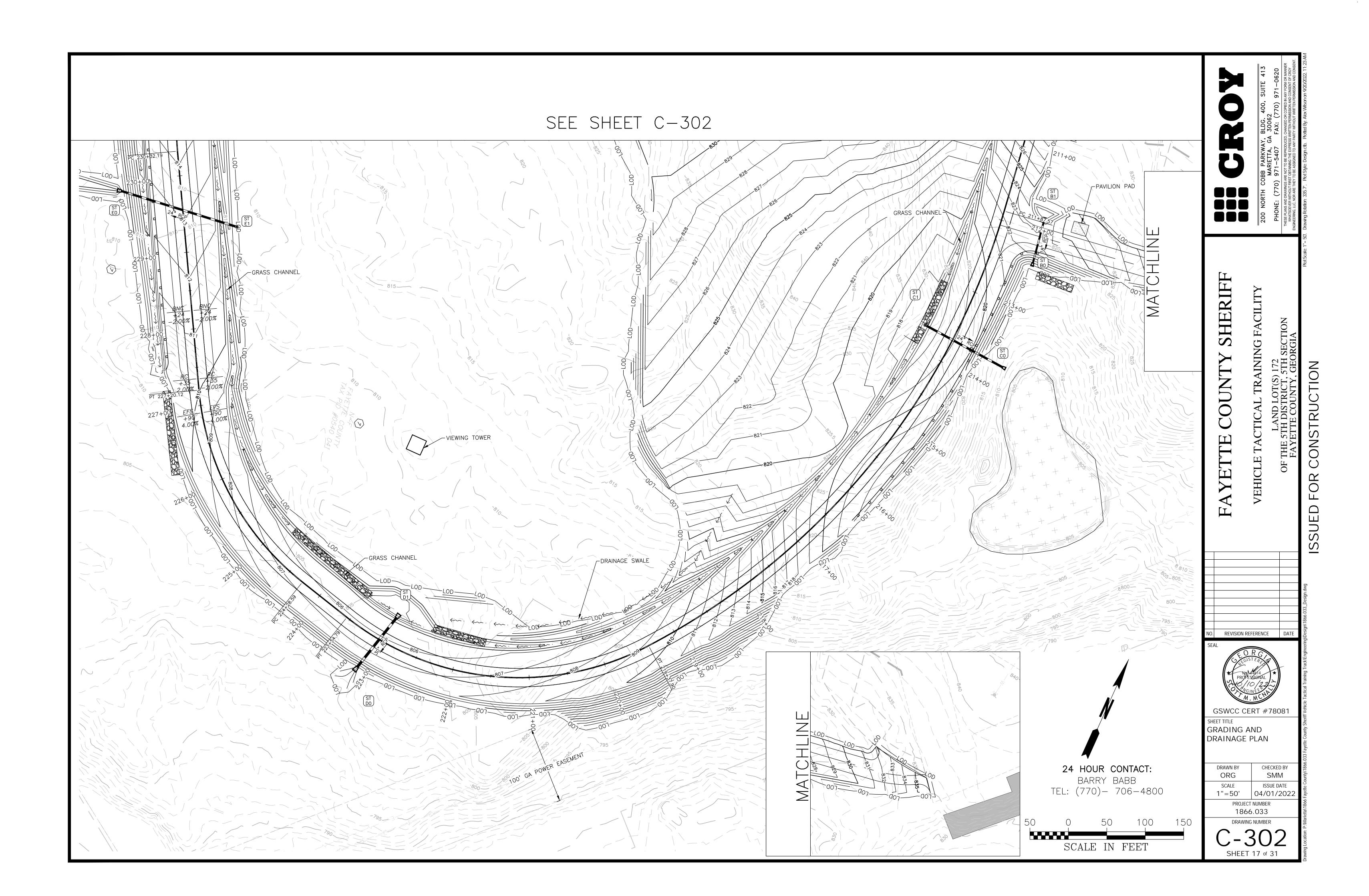
TYPICAL SECTION #4 ACCESS ROAD STA. 100+00.00 TO STA. 115+00.00

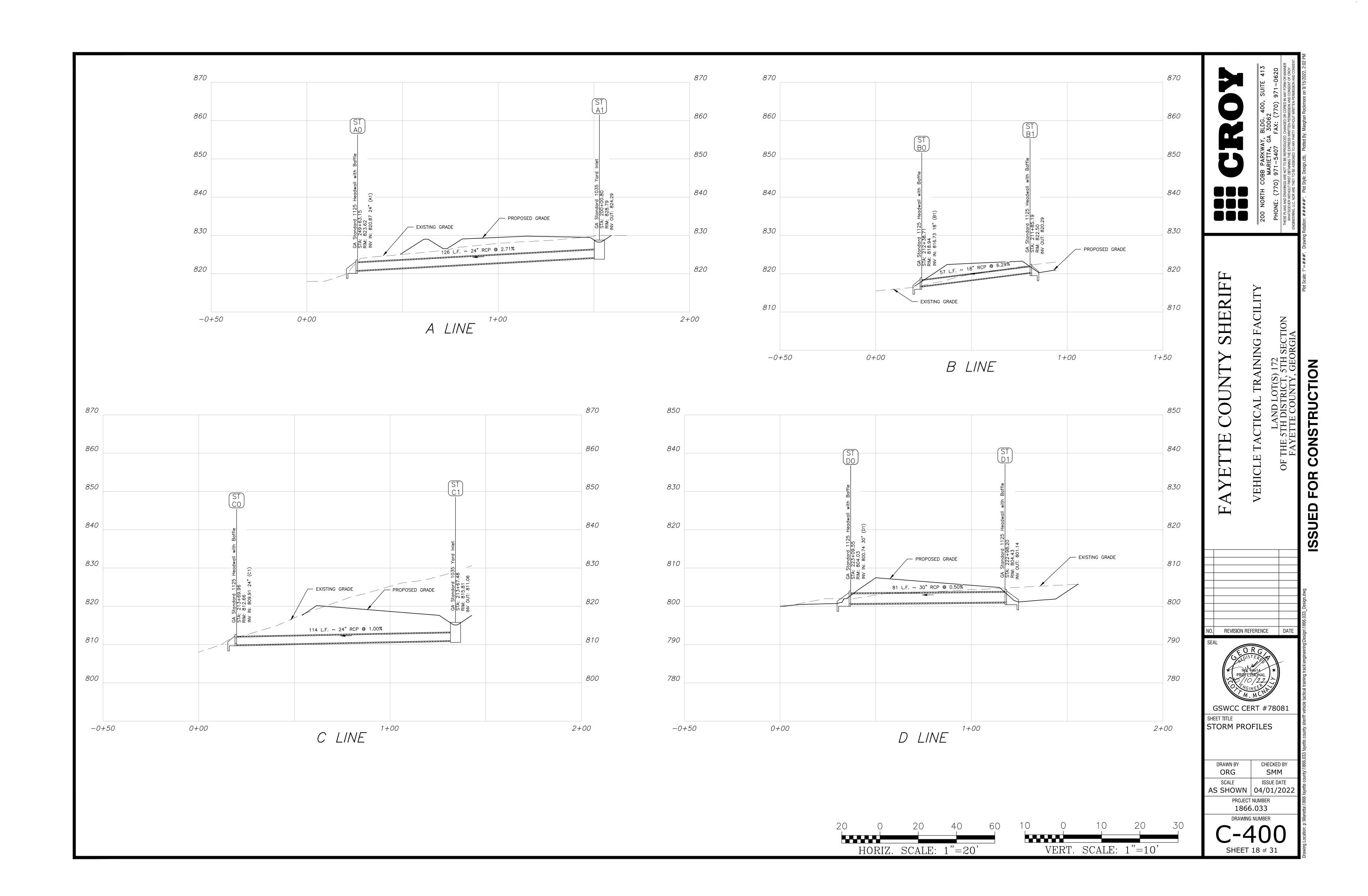
- (A) 1.5" RECYCLED ASPHALTIC CONCRETE 12.5mm SUPERPAVE, INCL BITUM MATL & H LIME (165 LB/SY)
- B 3" RECYCLED ASPHALTIC CONCRETE 19 mm SUPERPAVE, INCL BITUM MATL & H LIME (220 LB/SY)
- © 8" GRADED AGGREGATE BASE

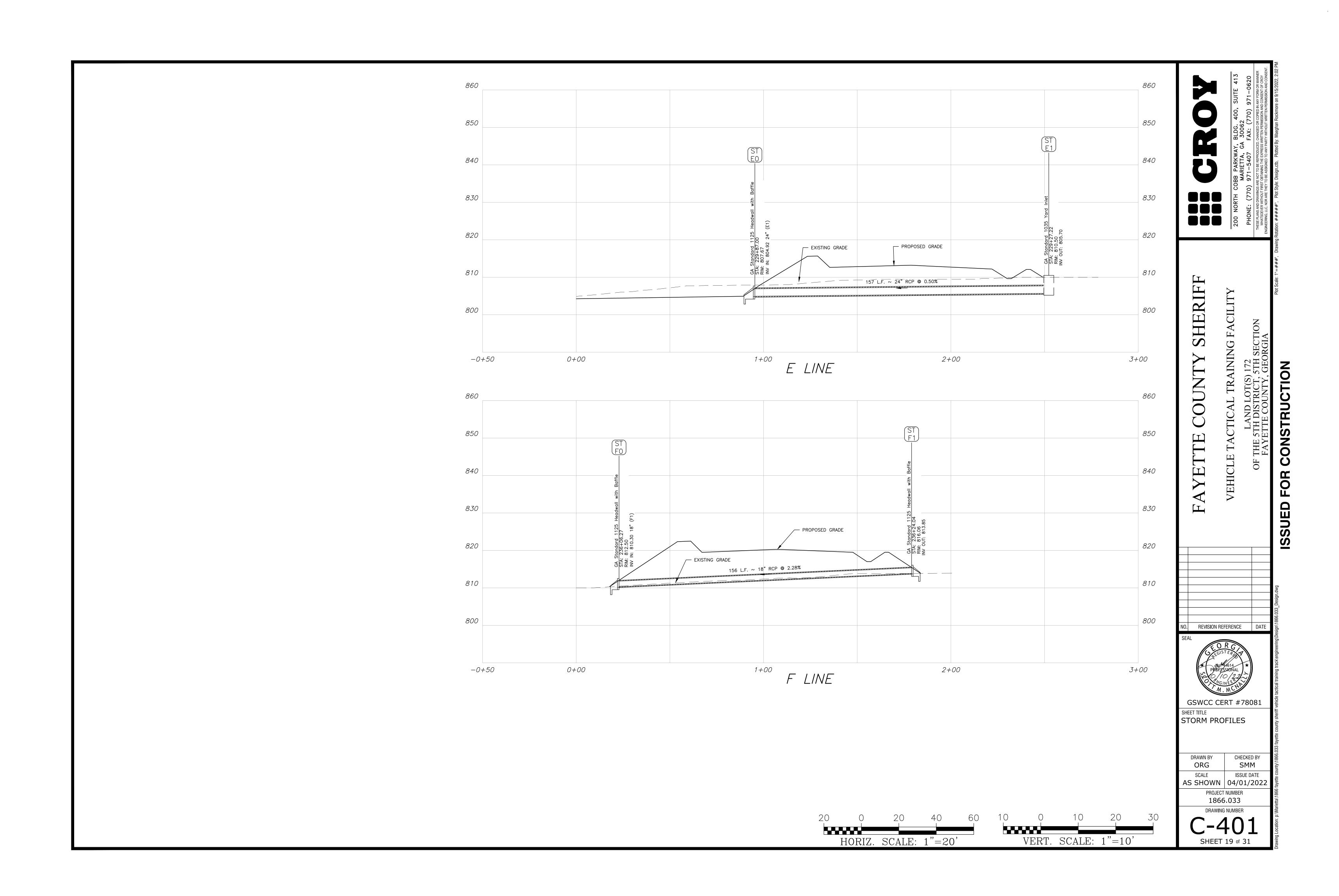
NOTE: CONTRACTORS REFER TO GDOT STANDARD SPECIFICATIONS CONSTRUCTION OF TRANSPORTATION SYSTEMS, LATEST EDITION.

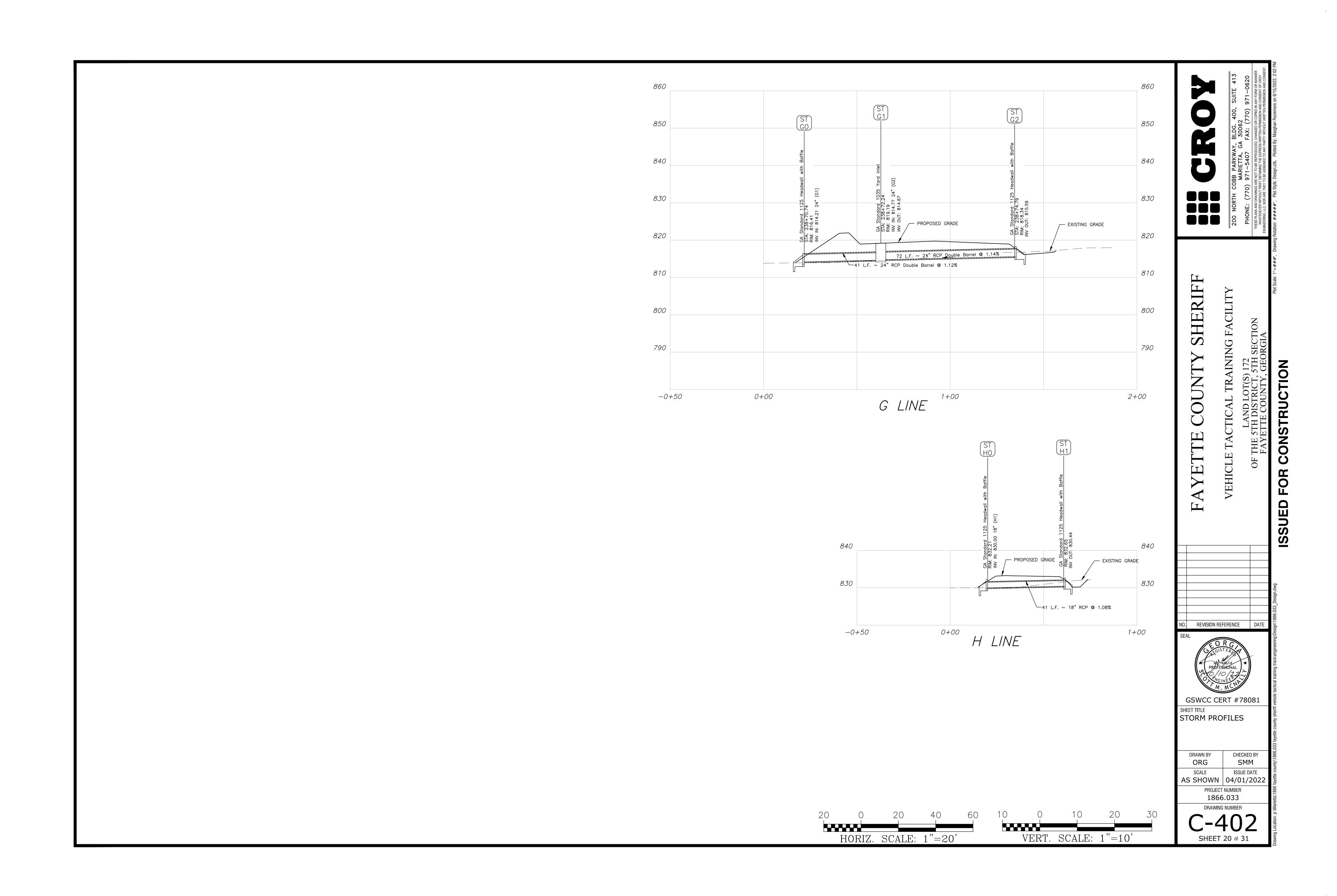
24 HOUR CONTACT: BARRY BABB TEL: (770)- 706-4800

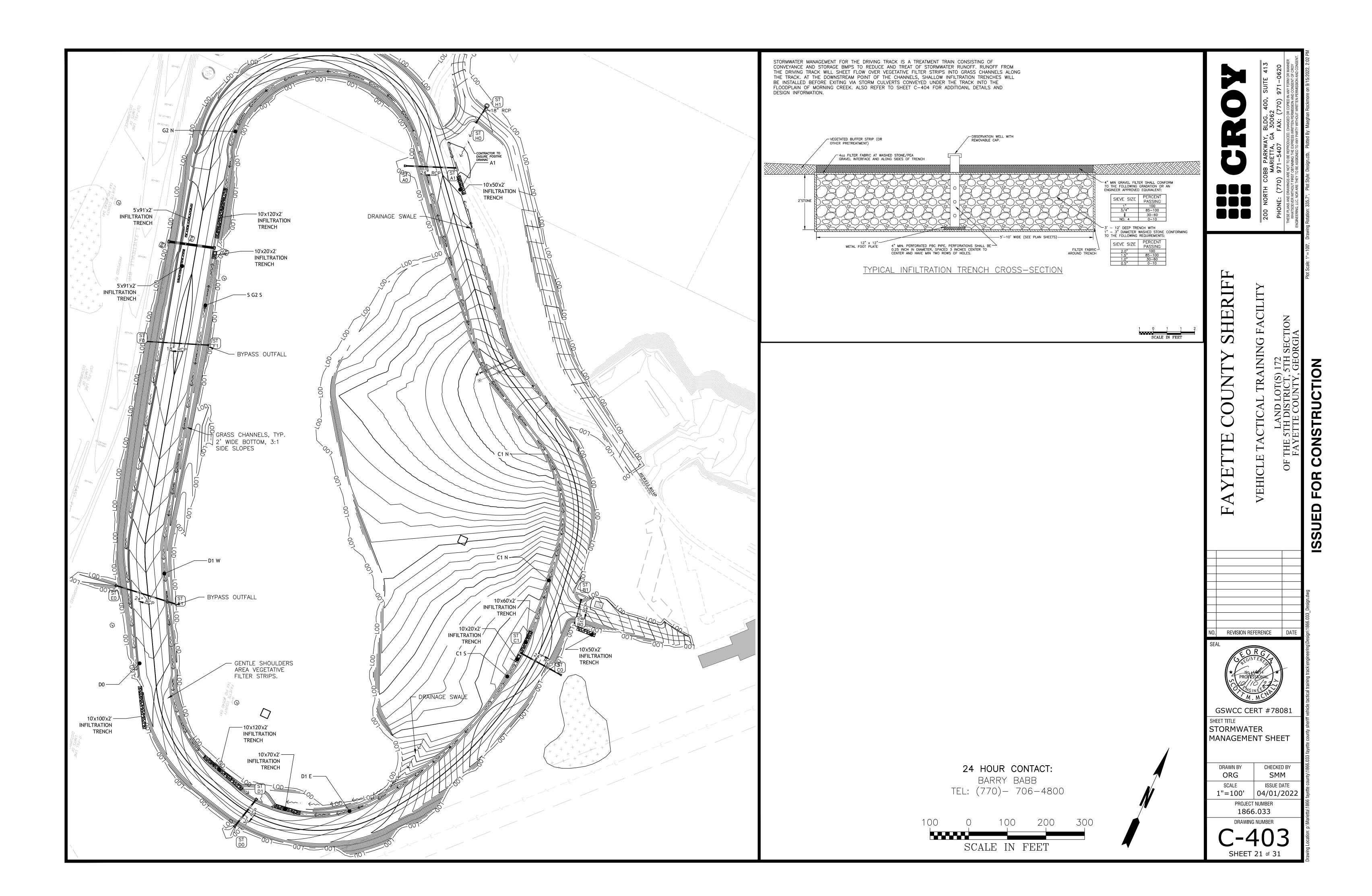












Wednesday, Sep 14 2022

= 8.06

= 8.06

= 8.06

= 8.06

= 0.00

= 4.96

= 5.81

= 831.30

= 831.54

= 832.26

= Inlet Control

= 1.22

= (dc+D)/2

Calculations

Qmin (cfs)

Qmax (cfs)

Highlighted Qtotal (cfs)

Qpipe (cfs)

Qovertop (cfs)

Veloc Dn (ft/s)

Veloc Up (ft/s)

HGL Dn (ft)

HGL Up (ft)

Hw Elev (ft)

Flow Regime

Hw/D (ft)

Embankment

Top Width (ft)

Crest Width (ft)

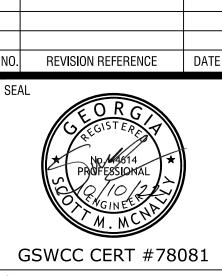
Top Elevation (ft)

= 833.14

= 30.00

= 200.00

Tailwater Elev (ft)



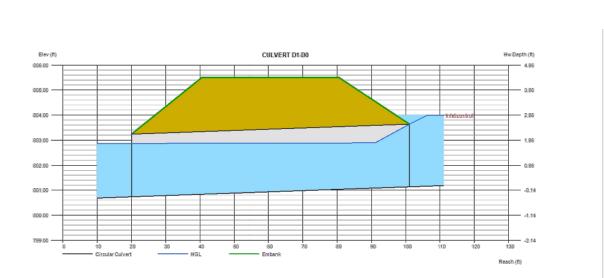
SHEET TITLE STORMWATER MANAGEMENT DATA

DRAWN BY	CHECKED BY
ORG	SMM
SCALE	ISSUE DATE
NONE	04/01/2022
PROJECT	NUMBER

1866.033

SHEET 22 of 31

Culvert Report Culvert Report Hydraflow Express Extension for Autodesk® AutoCAD® Civil 3D® by Autodesk, Inc. Thursday, Mar 31 2022 Hydraflow Express Extension for Autodesk® AutoCAD® Civil 3D® by Autodesk, Inc. Thursday, Mar 31 2022 Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. CULVERT F1-F0 CULVERT H1-H0 Calculations Invert Elev Dn (ft) = 810.30 Calculations Invert Elev Dn (ft) = 830.00 = 14.57 Qmin (cfs) = 156.15 Qmin (cfs) = 4.33 Pipe Length (ft) = 41.00 Pipe Length (ft) Qmax (cfs) = 27.33 Slope (%) = 2.27 Qmax (cfs) = 8.45 = 1.07 Slope (%) = 830.44 Tailwater Elev (ft) = (dc+D)/2Invert Elev Up (ft) = 813.85 Tailwater Elev (ft) = (dc+D)/2Invert Elev Up (ft) = 18.0 = 18.0 Rise (in) Rise (in) Highlighted Qtotal (cfs) Circular Shape Highlighted Qtotal (cfs) Circular Shape = 26.57 Span (in) = 18.0 = 8.43 Span (in) = 18.0 = 1 = 1 No. Barrels No. Barrels Qpipe (cfs) = 26.57 Qpipe (cfs) = 8.43 = 0.013 = 0.012n-Value = 0.00n-Value = 0.00Qovertop (cfs) Qovertop (cfs) = Circular Concrete = 5.97 Culvert Type = Circular Concrete = 5.14 Culvert Type Circular Concrete Veloc Dn (ft/s) Veloc Dn (ft/s) = Square edge w/headwall (C) = Square edge w/headwall (C) = Square edge w/headwall (C) Culvert Entrance Culvert Entrance Veloc Up (ft/s) = 7.21 Veloc Up (ft/s) = 5.94 = 0.0098, 2, 0.0398, 0.67, 0.5 Coeff. K,M,c,Y,k = 0.0098, 2, 0.0398, 0.67, 0.5 HGL Dn (ft) = 802.87



HGL Up (ft)

Hw Elev (ft)

Flow Regime

Hw/D (ft)

Culvert Report

CULVERT D1-D0

= 800.74

= 81.00

= 801.14

= Circular

= 0.49

= 30.0

= 30.0

= 0.012

= 805.50

= 40.00

= 100.00

= 1

Invert Elev Dn (ft)

Invert Elev Up (ft)

Pipe Length (ft)

Slope (%)

Rise (in)

Span (in)

n-Value

No. Barrels

Culvert Type

Culvert Entrance

Coeff. K,M,c,Y,k

Embankment

Top Width (ft)

Crest Width (ft)

Top Elevation (ft)

Shape

Thursday, Mar 31 2022

= 5.38

= 9.54

= 9.48

= 9.48

= 0.00

= 5.68

= 6.31

= 818.07

= 821.48

= 822.39

= Inlet Control

= 1.40

= (dc+D)/2

Calculations

Tailwater Elev (ft)

Qmin (cfs)

Qmax (cfs)

Highlighted Qtotal (cfs)

Qpipe (cfs)

Qovertop (cfs)

Veloc Dn (ft/s)

Veloc Up (ft/s)

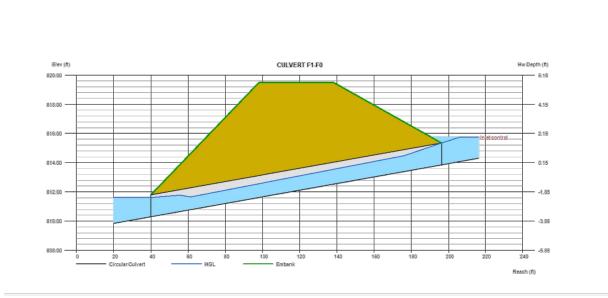
HGL Dn (ft)

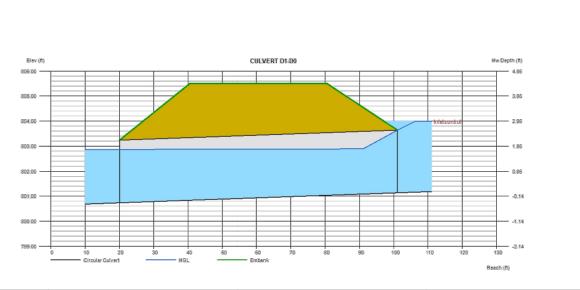
HGL Up (ft)

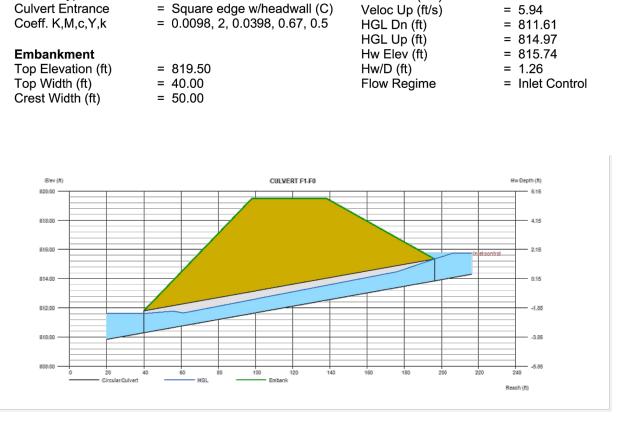
Hw Elev (ft)

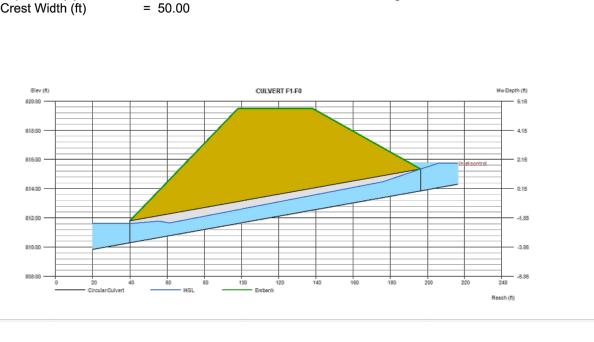
Flow Regime

Hw/D (ft)









Elev (ft)				CU	LVERT F1-F0			
820.00						$\overline{}$		
818.00								
816.00								
8#4.00		$\overline{}$						
812:00								
810.00								
808/00 0	20 4 Circular Culvert	0 60	80 HGL -	100 Emi	120 bank	140	160	180

100 YEAR STORM

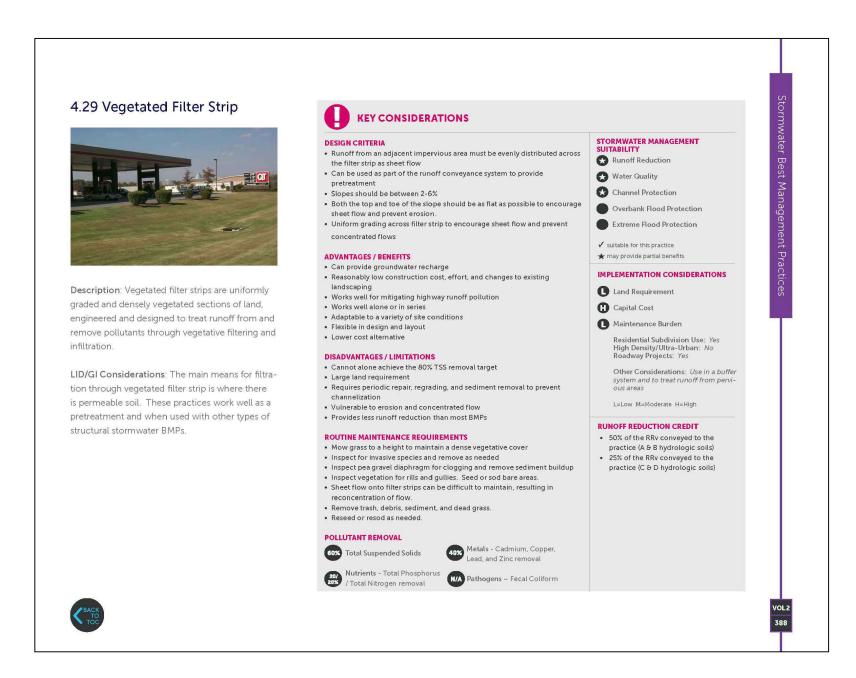
= 802.90

= 803.99

= Inlet Control

= 1.14

Line	ToLine	LineLength	Incr.Area	TotalArea	RunoffCoeff	IncrC x A	TotalC x A	InletTime	TimeConc	RnfalInt	TotalRunoff	AdnIFlow	TotalFlow	CapacFull	Veloc	PipeSize	PipeSlope	Inv ElevDn	Inv ElevUp	HGLDn	HGLUp	Grnd/RimDn	Grnd/RimUp	Line ID
		(ft)	(ac)	(ac)	(C)			(min)	(min)	(in/hr)	(cfs)	(cfs)	(cfs)	(cfs)	(ft/s)	(in)	(%)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	
1	Outfall	41	1.64	1.64	0.54	0.89	0.89	5	5	9.8	8.06	0	8.06	11.79	5.47	18	1.07	830	830.44	831.25	831.54	832.21	832.65	H0 <h1< td=""></h1<>
2	Outfall	126.352	5.44	5.44	0.38	2.07	2.07	14.6	14.6	7.4	15.24	0	15.24	40.31	5.99	24	2.71	820.87	824.29	822.51	825.7	823.62	828.83	A0 <a1< td=""></a1<>
3	Outfall	56.582	2.29	2.29	0.46	1.05	1.05	7.4	7.4	9.1	9.54	0	9.54	28.54	6.1	18	6.29	816.73	820.29	818.03	821.48	818.94	822.5	B0 <b1< td=""></b1<>
4	Outfall	41.021	0.47	16.15	0.6	0.28	5.93	5	16.7	7	41.49	0	41.49	51.89	8.29	24 (2b)	1.12	814.21	814.67	815.83	816.05	816.41	819.19	G0 <g1< td=""></g1<>
5	4	71.686	15.68	15.68	0.36	5.64	5.64	16.6	16.6	7	39.64	0	39.64	52.41	8.99	24 (2b)	1.14	814.77	815.59	816.07	816.94	819.19	818.34	G1 <g2< td=""></g2<>
6	Outfall	156.155	4.66	4.66	0.3	1.4	1.4	23.5	23.5	6	8.45	0	8.45	17.15	5.64	18	2.27	810.3	813.85	811.56	814.98	812.5	816.06	F0 <f1< td=""></f1<>
7	Outfall	114.408	7.48	7.48	0.34	2.54	2.54	22.8	22.8	6.1	15.59	0	15.59	24.57	6.09	24	1.01	809.91	811.06	811.55	812.48	812.66	815.81	C0 <c1< td=""></c1<>
8	Outfall	156.879	6.59	6.59	0.3	1.98	1.98	21.2	21.2	6.3	12.53	0	12.53	17.28	5.34	24	0.5	804.92	805.7	806.49	806.97	807.67	810.5	E0 <e1< td=""></e1<>
9	Outfall	80.647	10.09	10.09	0.37	3.73	3.73	14.9	14.9	7.3	27.33	0	27.33	31.29	6.64	30	0.5	800.74	801.14	802.8	803	804.03	804.43	D0 <d1< td=""></d1<>



Culvert Report

CULVERT B1-B0

Invert Elev Dn (ft)

Invert Elev Up (ft)

Pipe Length (ft)

Slope (%)

Rise (in)

Span (in)

n-Value

No. Barrels

Culvert Type

Culvert Entrance

Coeff. K,M,c,Y,k

Embankment

Top Width (ft)

Crest Width (ft)

Top Elevation (ft)

Shape

Hydraflow Express Extension for Autodesk® AutoCAD® Civil 3D® by Autodesk, Inc.

= 816.73

= 56.58

= 6.29

= 820.29

= 18.0

= 18.0

= 0.013

= 823.27

= 30.00

= 50.00

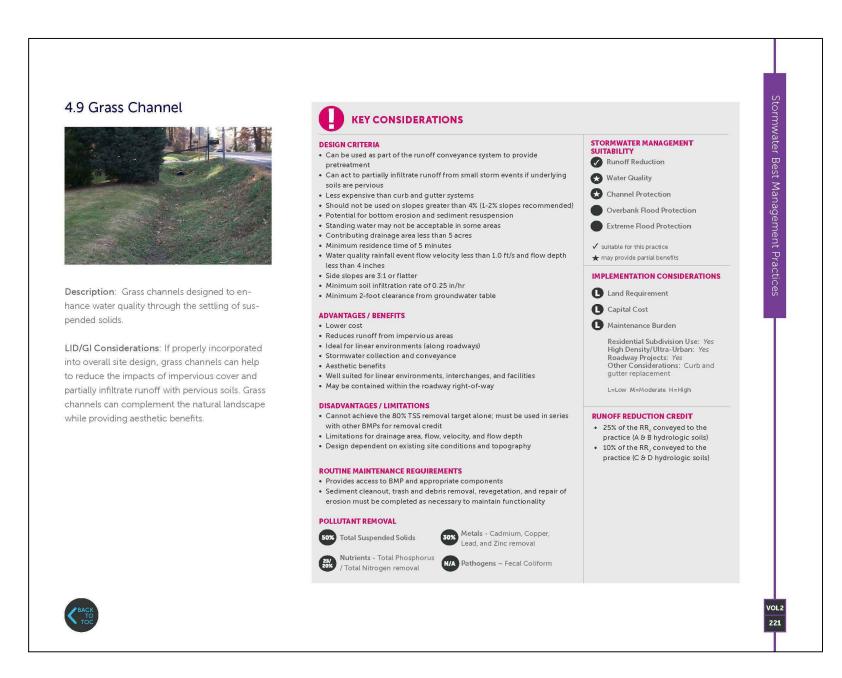
= Circular Concrete

= Square edge w/headwall (C)

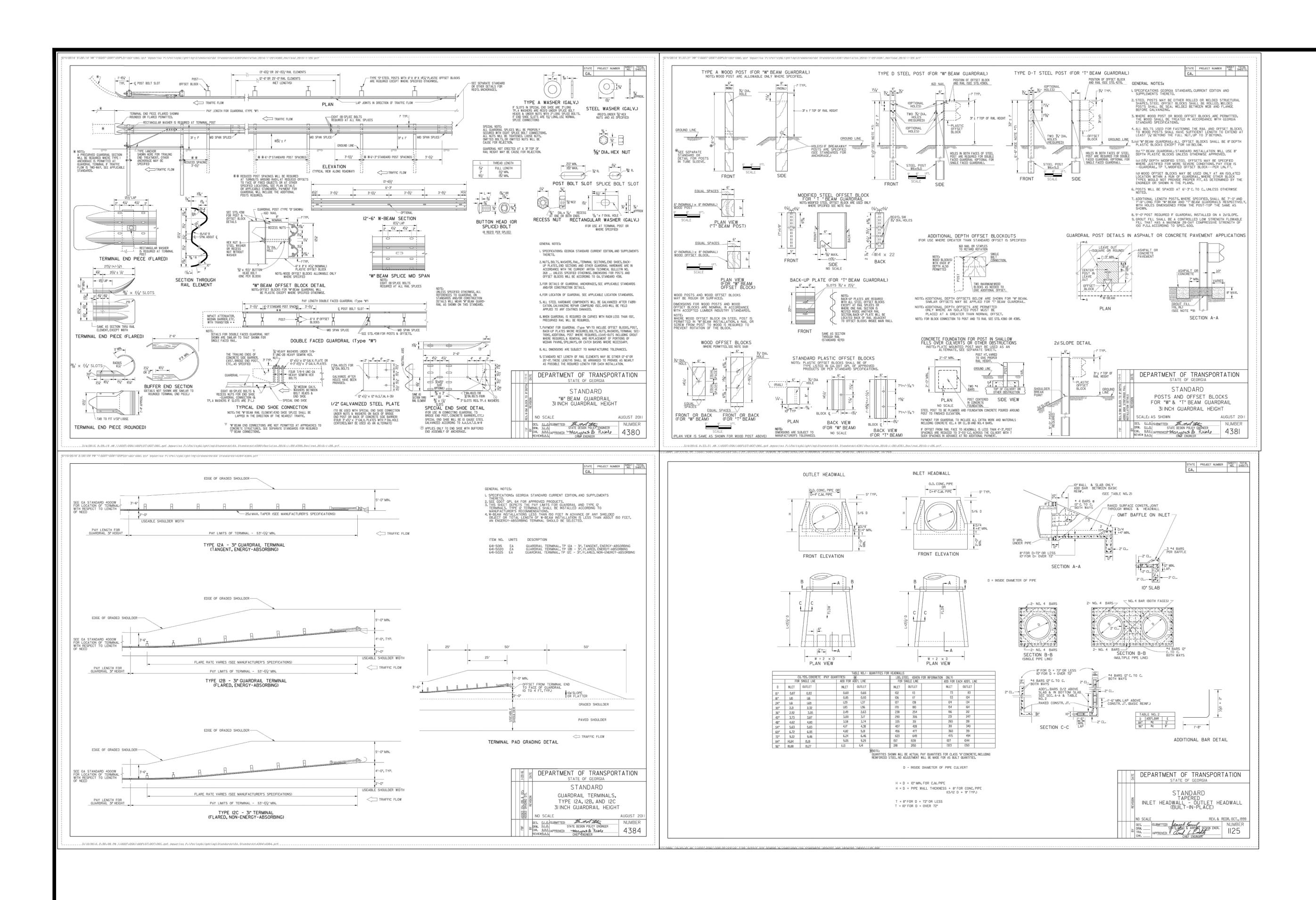
= 0.0098, 2, 0.0398, 0.67, 0.5

= 1

Circular







FAYETTE COUNTY SHERIFF

NO. REVISION REFERENCE DATE

SEAL

GSWCC CERT #78081

SHEET TITLE

CONSTRUCTION

OR

DETAILS

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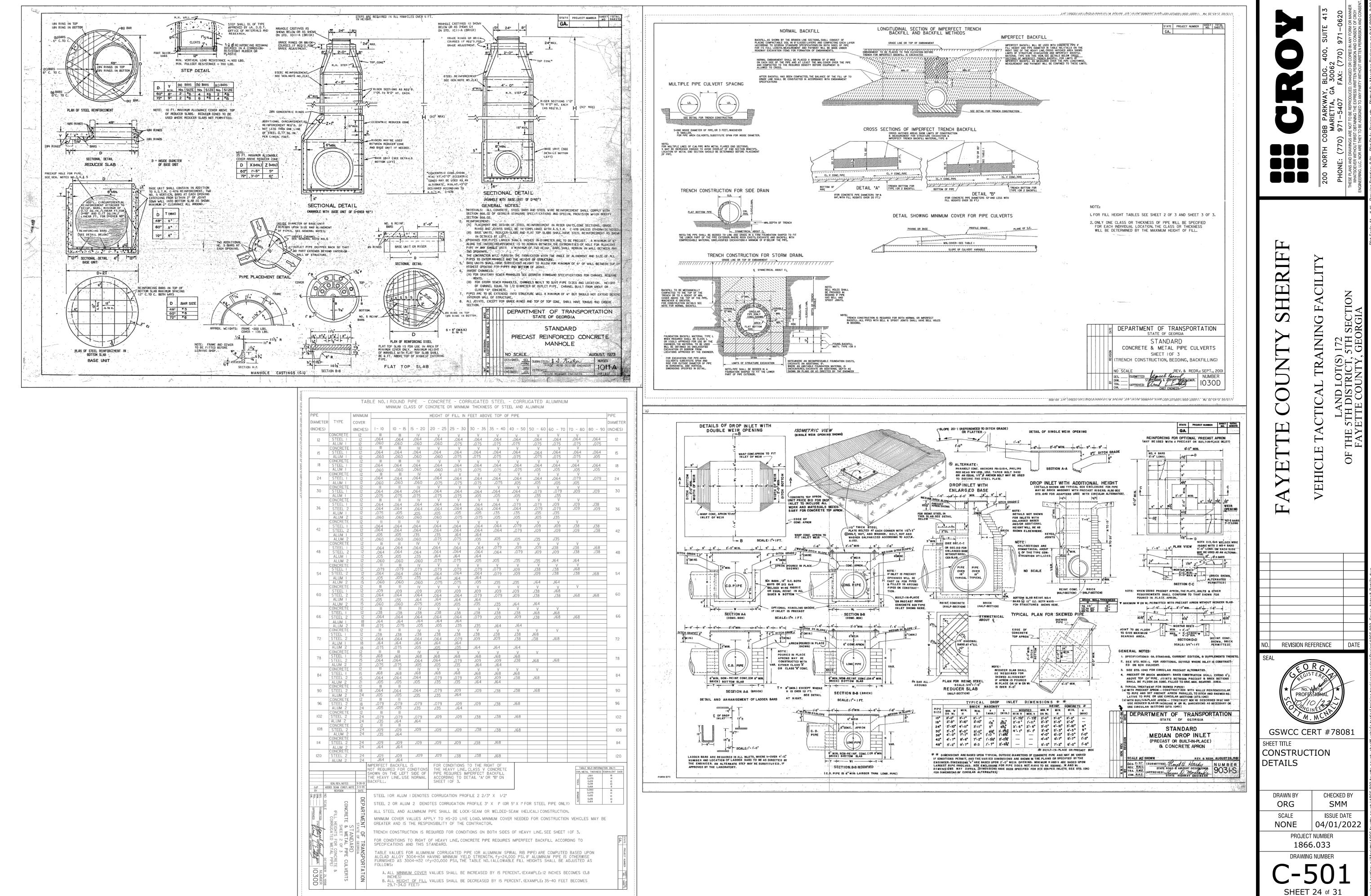
SCALE
ISSUE DATE

O4/01/2022

PROJECT NUMBER

1866.033

C-50C
SHEET 23 of 31



SOILS LEGEND



Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AkA	Altavista sandy loam, 0 to 3 percent slopes	1.0	1.6%
AmB	Appling sandy loam, 2 to 6 percent slopes	37.4	57.4%
AmC	Appling sandy loam, 6 to 10 percent slopes	21.6	33.1%
СеВ	Cecil sandy loam, 2 to 6 percent slopes	4.2	6.5%
PaE	Pacolet sandy loam, 10 to 25 percent slopes	0.2	0.3%
W	Water	0.7	1.1%
WH	Wehadkee soils, 0 to 2 percent slopes, frequently flooded	0.1	0.1%
Totals for Area of Interest		65.1	100.0%



LOCATION MAP (NTS)

FEMA MAP

A PORTION OF THIS PROPERTY MAY LIE WITHIN THE 100 YEAR FLOOD HAZARD AREA BASED ON THE FLOOD INSURANCE RATE MAP FOR THIS AREA. THE MAP NUMBER FOR THIS AREA IS 13113C0107E AND THE DATE OF SAID MAP IS

FEMA STATEMENT

< ∣				shall be implemented to o	control or treat the sediment source."	
\	ER-100	Υ	21	Clearly note the statement	t "Any disturbed area left exposed for a period greater th	an 14 days shall be
)				stabilized with mulch or ter	mporary seeding."	
	ER-000	Υ	22	upstream of and within the with Part III. C. of the per	which discharges storm water into an Impaired Stream Se e same watershed as, any portion of a Biota Impaired Str mit. Include the completed Appendix 1 listing all the BMF scharge to the Impaired Stream Segment. *	eam Segment must comply
}	ER-100	Υ	23	If a TMDL Implementation	Plan for sediment has been finalized for the Impaired Str k months prior to submittal of NOI, the ES&PC Plan must	• ,
$\langle \ $				conditions or requirement	s included in the TMDL Implementation Plan. *	, ,
7	ER-100	Υ	24		down of tools, concrete mixer chutes, hoppers and the rea	ar of the vehicles. Washout
)	ER-100	Y	25	of the drum at the constru Provide BMPs for the rem	iction site is pronibited. " nediation of all petroleum spills and leaks.	
)	ER-100	Y	ŀ		es that will be installed during the construction process to	control pollutants in storm
)				•	construction operations have been completed. *	·
$\langle \cdot $	ER-100	Υ	27	Description of practices to	provide cover for building materials and building produc	ts on site. *
\	ER-100	Υ	28	Description of the practice	es that will be used to reduce the pollutants in storm water	discharges. *
\	ER-100	Υ	29	•	imeline of the intended sequence of major activities which itial perimeter and sediment storage BMPs, clearing and	•
)	ED 400		ا ۔۔		y activities, temporary and final stabilization).	*
	ER-100	Y			ments of Inspections and record keeping by the primary ments of Sampling Frequency and Reporting of sampling	•
〈	ER-100 HYDRO	Y HYDRO			for Retention of Records as per Part IV.F. of the permit.	
{	HYDRO	HYDRO		·	nethods to be used to collect and analyze the samples froi	
\	ER-100	Υ	34	Appendix B rationale for N	NTU values at all outfall sampling points where applicable	e. *
$\langle \ $	ER-100	Υ	35	Delineate all sampling loca	ations, perennial and intermittent streams and other water	bodies into which
/			1	storm water is discharged	d. *	
\	ER-100	Υ	36		ate controls and measures that will be implemented at the e requirements and perimeter control BMPs, (2) intermed	-
)				BMPs, and (3) final BMP	s. For construction sites where there will be no mass gra	ding and the initial perimeter
)				control BMPs, intermedia all of the BMPs into a sing	ite grading and drainage BMPs, and final BMPs are the s	same, the Plan may combine
	ER-000	Υ	37	Graphic scale and North	•	
	ER-200 &	Υ	38	Existing and proposed co	ontour lines with contour lines drawn at an interval in acco	ordance with the following:
	ER-300	T		Map Scale	Ground Slope	Contour Intervals, ft
				1 inch = 100ft or larger scale	Flat 0 - 2% Rolling 2 - 8%	0.5 or 1 1 or 2
				_	Steep 8% +	2,5 or 10
	ER-300	Y	39	conventional BMPs as ce	whose performance has been documented to be equivale ertified by a Design Professional (unless disapproved by Commission). Please refer to the Alternative BMP Guida	GAEPD or the Georgia Soil
	N/A	N/A	40		r application to the Equivalent BMP List. Please refer to A ontrol in Georgia 2016 Edition. *	ppendix A-2 of the Manual
	N/A	N/A	41		ole 25-foot or 50-foot undisturbed buffers adjacent to state ocal Issuing Authority. Clearly note and delineate all area	· ·
	N/A	N/A	42	Delineation of on-site wetla	ands and all state waters located on and within 200 feet o	of the project site.
	ER-100	Υ	43	Delineation and acreage	of contributing drainage basins on the project site.	
	HYDRO	HYDRO		, ,	and maps of drainage basins for both the pre- and post-	·
	HYDRO	HYDRO	45	An estimate of the runoff of completed.	oefficient or peak discharge flow of the site prior to and af	ter construction activities are
	N/A	N/A	46	Storm-drain pipe and wei	r velocities with appropriate outlet protection to accommode all storm water discharge points.	date discharges without
	ER-000 &	Y	47	Soil series for the projects	• ,	
	ER-100 ER-200 &	Υ		, ,		
	ER-400	Y	ŀ		or each phase of construction.	a temporary codiment besis
	ER-300	Y	49		cubic yards of sediment storage per acre drained using a and/or excavated inlet sediment traps for each common	
				-	in place prior to and during all land disturbance activities	
					A written justification explaining the decision to use equiva inable must be included in the Plan for each common dra	
					vided. A written justification as to why 67 cubic yards of s	-
				•	ets from the Manual included for structural BMPs and all c nal to obtain the required sediment when using equivalen	•
					impoundments, permittees are required to utilize outlet strates and impoundments, permittees are required to utilize outlet structures that withdraw water from the s	
			ı		ining this decision must be included in the Plan.	·
	ER-200 &	Υ	50	=	ment Practices that are consistent with and no less stringe ontrol in Georgia. Use uniform coding symbols from the M	
	ER-400					
ı		v	51	legend. Provide detailed drawings	s for all structural practices. Specifications must at a minir	num, meet the auidelines set
	ER-500	Y	51	Provide detailed drawings	s for all structural practices. Specifications must, at a minir osion and Sediment Control in Georgia.	mum, meet the guidelines set
		Y	I I	Provide detailed drawings forth in the Manual for Erc Provide vegetative plan, r	· · · · · · · · · · · · · · · · · · ·	Include species, planting
	ER-500		52	Provide detailed drawings forth in the Manual for Erc Provide vegetative plan, redates and seeding, ferfilize of the year that seeding w	osion and Sediment Control in Georgia. noting all temporary and permanent vegetative practices. er, lime and mulching rates. Vegetative plan shall be site ill take place and for the appropriate geographic region o	Include species, planting specific for appropriate time of Georgia.
	ER-500		52 * I	Provide detailed drawings forth in the Manual for Erc Provide vegetative plan, I dates and seeding, fertilize of the year that seeding w f using this checklist for a p	osion and Sediment Control in Georgia. noting all temporary and permanent vegetative practices. er, lime and mulching rates. Vegetative plan shall be site	Include species, planting specific for appropriate time of Georgia.





24 HOUR CONTACT: BARRY BABB TEL: (770) - 706 - 4800 **EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST** STAND ALONE CONSTRUCTION PROJECTS

as of January 1 of the year in which the land-disturbing activity was permitted. Level II certification number issued by the Commission, signature and seal of the certified design professional. 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 approves the request to disturb 50 acres or more at any one time, the Plan must (A copy of the written approval by GAEPD must be attached to the plan for the Plan to be reviewed.) 4 The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.

Provide the name, address, email address, and phone number of primary permittee. Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.

Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.

esidential areas, wetlands, marshlands, etc. which may be affected. 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.

Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate 14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the in accordance with Part IV.A.5 page 25 of the permit *

R-100 Y 15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary

BMPs with a hydraulic component must be certified by the design professional." * 18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as

Oclearly 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." Oclearly 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."

Effective APRIL 1, 2022

REVISION REFERENCE

GSWCC CERT #78081

1866.033

CHECKED BY

ISSUE DATE

04/01/2022

EROSION CONTROL

COVER SHEET

NONE

LIMITS OF DISTURBANCE SHALL BE NO GREATER THAN 50 ACRES AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE EPD DISTRICT OFFICE. IF EPD APPROVES THE REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME, THE PLAN MUST INCLUDE AT LEAST 4 OF THE BMPS LISTED IN APPENDIX 1 OF THIS CHECKLIST.

4. 24 HOUR LOCAL CONTACT INFORMATION (TO BE DETERMINED AT AWARD OF CONTRACT): NAME:BARRY BABE

PHONE: (770)- 706-4800 PRIMARY PERMITTEE CONTACT INFORMATION: NAME:BARRY BABB

PHONE:(770)- 706-4800

7. THE GPS LOCATION OF THE CONSTRUCTION EXIT FOR THE SITE IS LOCATED ON 33.478478'N, 84.399085'W.

SEE REVISION REFERENCE LOCATED ON ER-000 FOR DATES OF ANY REVISIONS MADE TO THE PLAN INCLUDING THE ENTITY WHO REQUESTED THE REVISIONS.

PROJECT NARRATIVE

THE NATURE OF CONSTRUCTION ACTIVITY IS THE CONSTRUCTION OF A TACTICAL TRAINING TRACK, PIT MANEUVER AREA AND VIEWING TOWER.

10. VICINITY MAP SHOWING SITE'S RELATION TO SURROUNDING AREAS IS LOCATED ON ER-000. SURROUNDED BY UNDEVELOPED OPEN SPACE.

THE RECEIVING WATERS FROM THIS CONSTRUCTION PLAN IS FLINT RIVER WHICH IS APART OF THE GREATER FLINT

12. "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 SUPERVISION."

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

10/10/22 THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 7

15. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

DAYS AFTER INSTALLATION. IN ACCORDANCE WITH PART IV.A.5 PAGE 25 OF THIS PERMIT.

16. PROVIDE A DESCRIPTION OF ANY BUFFER ENCROACHMENTS AND INDICATE WHETHER A BUFFER VARIANCE IS REQUIRED. NO BUFFER VARIANCE IS REQUIRED.

AMENDMENTS/REVISIONS TO THE ES&PC PLAN, WHICH HAVE A SIGNIFICANT EFFECT ON BMPS WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY A DESIGN PROFESSIONAL

18. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

19. THE ESCAPE OF SEDIMENT FROM THE SITE SHOULD BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES 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

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

ANY CONSTRUCTION ACTIVITY WHICH DISCHARGES STORM WATER INTO AN IMPAIRED STREAM SEGMENT. OR WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF AN BIOTA IMPAIRED STREAM SEGMENT MUST COMPLY WITH PART III, C. OF THE PERMIT, INCLUDE THE COMPLETED APPENDIX 1 LISTING ALL THE BMPS THAT WILL BE USED FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO THE IMPAIRED STREAM SEGMENT.

23. A TMDL PLAN FOR SEDIMENT DOES NOT APPLY TO THE RECEIVING WATERS.

24. READY MIX CHUTE WASH—DOWN THE WASHING OF READY-MIX CONCRETE DRUMS AND DUMP TRUCK BODIES USED IN THE DELIVERY OF PORTLAND CEMENT

CONCRETE IS PROHIBITED ON THIS SITE. IN ACCORDANCE WITH STANDARD SPECIFICATION 107 - LEGAL REGULATIONS AND RESPONSIBILITY TO THE PUBLIC, ONLY THE DISCHARGE "CHUTE" UTILIZED IN PORTLAND CEMENT CONCRETE DELIVERY MAY BE RINSED FREE OF FRESH CONCRETE REMAINS. THE CONTRACTOR SHALL EXCAVATE A PIT OUTSIDE OF STATE WATER BUFFERS, AT LEAST 25 FEET FROM ANY STORM DRAIN AND OUTSIDE OF THE TRAVEL WAY, INCLUDING SHOULDERS, FOR A WASH/PIT AREA. THE PIT SHALL BE LARGE ENOUGH TO STORE ALL WASH-DOWN WATER WITHOUT OVERTOPPING THE PIT. IMMEDIATELY AFTER THE WASH-DOWN OPERATIONS ARE COMPLETED AND AFTER THE WASH-DOWN WATER HAS SOAKED INTO THE GROUND, THE PIT SHALL BE FILLED IN, AND THE GROUND ABOVE SHALL BE GRADED TO MATCH THE ELEVATION OF THE SURROUNDING AREAS SMOOTHED OUT. ALTERNATE WASH DOWN PLANS MUST BE APPROVED BY THE PROJECT WASH-DOWN PLANS DESCRIBE PROCEDURES THAT PREVENT WASH DOWN WATER FROM ENTERING STREAMS AND RIVERS. NEVER DISPOSE OF WASH-DOWN WATER DOWN A STORM DRAIN. ESTABLISH A WASH-DOWN WATER PIT LOCATION THAT INCLUDES THE FOLLOWING: (1) THE PIT IS LOCATED AWAY FROM A STORM DRAIN, STREAM OR RIVER, (2) THE PIT IS ACCESSIBLE TO THE VEHICLE BEING USED FOR WASH-DOWN. (3) THE PIT HAS ENOUGH VOLUME FOR WASH-DOWN WATER AND (4) MAKE SURE YOU HAVE PERMISSION TO USE THE AREA FOR WASH-DOWN. ON SOME SITES. YOU MAY NOT HAVE PERMISSION OR ACCESS TO A LOCATION WHICH ALLOWS FOR A WASH-DOWN PIT. IN THOSE CASES. THE CONTRACTOR MAY HAVE TO WASH-DOWN INTO A WHEELBARROW OR OTHER CONTAINER AND CARRY THE CONTAINER FOR TRANSPORT TO A PROPER DISPOSAL SITE. FOR ADDITIONAL INFORMATION, REFER TO THE GEORGIA SMALL BUSINESS ENVIRONMENTAL

ASSISTANCE PROGRAM'S "A GUIDE FOR READY MIX CHUTE/HOPPER WASH-DOWN". SILT FENCE INSTALLATIONS WITH J-HOOKS AND SPURS

SILT FENCE SHOULD NEVER RUN CONTINUOUS WITHOUT J-HOOKS OR SPURS. THE SILT FENCE SHOULD TURN BACK INTO THE FILL OR SLOPE TO CREATE SMALL POCKETS THAT TRAP SILT AND FORCE STORMWATER TO FLOW THROUGH THE SILT FENCE. THIS TECHNIQUE OR CONFIGURATION IS COMMONLY REFERRED TO AS J-HOOKS OR SPURS. THE J-HOOKS OR SPURS SHALL BE INSTALLED ON ALL SILT FENCES THAT ARE LOCATED AROUND THE PERIMETER OF THE PROJECT AND ALONG THE TOE OF EMBANKMENTS OR SLOPES. THE J-HOOKS AND SPURS SHALL BE SPACED IN ACCORDANCE WITH THE TYPICAL LOCATION DETAILS FOR SILT FENCES / BALED STRAW. SPACING FOR J- HOOKS OR SPURS SHALL NOT BE LESS THAN 50 FEET EXCEPT AS NOTED. SILT FENCES THAT ARE NEAR THE OUTLET OF CULVERTS, CROSS DRAINS, AND STORM DRAINS SHALL HAVE A MINIMUM OF 3 J-HOOKS OR SPURS ON BOTH SIDES OF THE STRUCTURE AT SPACING NOT TO EXCEED 30 FEET. J-HOOKS OR SPURS SHALL BE PAID FOR AS SILT FENCE ITEMS PER FOOT. ALL COSTS AND OTHER INCIDENTAL ITEMS ARE INCLUDED IN COST OF INSTALLING AND MAINTAINING THE SILT FENCE.

25. SPILL CLEANUP AND CONTROL PRACTICES

LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE AVAILABLE TO SITE PERSONNEL. MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS,

GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS. SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS

5. FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.

FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER WILL BE CONTACTED WITHIN 24 HOURS T 1-800-426-2675.

FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS OCCUR, THE GEORGIA EPD WILL BE

8. FOR SPILLS LESS THAT 25 GALLONS AND NO SURFACE WATER IMPACTS OCCUR, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1.320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS THE CAPACITY OF GREATER THAN 650 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL THIS CONSTRUCTION PROJECT DISCHARGES INTO, OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT

26. POST-CONSTRUCTION BMPS

ALL PERMANENT POST-CONSTRUCTION RMPS ARE SHOWN IN THE CONSTRUCTION PLANS AND IN THE ESPOP PLAN THE POST-CONSTRUCTION BMPS FOR THIS PROJECT CONSISTS OF TEMPORARY SEEDING, PERMANENT MULCHING, DOUBLE ROW OF SILT FENCE WITH STRAW IN BETWEEN, STONE CHECK DAMS, ROCK FILTER DAMS, DIVERSION, COMPOST FILTER SOCKS. INLET SEDIMENT TRAP, TEMPORARY SEDIMENT TRAP, SLOPE STABILIZATION AND STORM DRAIN OUTLET PROTECTION. THE POST-CONSTRUCTION BMPS WILL PROVIDE PERMANENT STABILIZATION OF THE SITE AND PREVENT ACCELERATED TRANSPORTATION OF SEDIMENT AND POLLUTANTS INTO RECEIVING WATERS.

OTHER CONTROLS

THE ES&PC PLAN SHALL BE IN COMPLIANCE WITH WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS DURING AND AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.

THE CONTRACTOR SHALL CONTROL DUST FROM THE SITE IN ACCORDANCE WITH CURRENT EDITION OF THE "MANUAL FOR

FOR BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE, PROVIDE COVER (E.G. PLASTIC SHEETING, TEMPORARY ROOFS) TO MINIMIZE THE EXPOSURE OF THESE PRODUCTS TO PRECIPITATION AND TO STORMWATER. OR A SIMILARLY EFFECTIVE MEANS TO DESIGNED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THESE AREAS. MINIMIZATION OF EXPOSURE IS NOT REQUIRED IN CASES WHERE EXPOSURE TO PRECIPITATION AND TO STORMWATER WILL NOT RESULT IN A DISCHARGE OF POLLUTANTS, OR WHERE EXPOSURE OF A SPECIFIC MATERIAL OR PRODUCT POSES LITTLE RISK TO STORMWATER CONTAMINATION (SUCH AS FINAL PRODUCTS AND MATERIALS INTENDED FOR

PRODUCT SPECIFIC PRACTICES

PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS, THIS INCLUDES ONSITE VEHICLES AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATERS., NATURAL DRAINS, AND STORM WATER DRAINAGE INLETS, IN ADDITION. TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION DISCHARGE OF OILS FUELS AND LUBRICANTS IS PROHIBITED PROPER DISPOSAL METHODS WILL

INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL IS REQUIRED BY LOCAL AND STATE REGULATIONS. PAINT/FINISHES/SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED INTO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS, AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASHOUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE. FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR ON THE GSWCC MANUAL FOR EROSION AND SEDIMENTATION CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER

ROOF IN SEALED CONTAINERS. BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

LOCATE WASTE COLLECTION AREAS AWAY FROM STREETS, GUTTERS, WATERCOURSES AND STORM DRAINS. WASTE COLLECTION AREAS, SUCH AS DUMPSTERS, ARE OFTEN BEST LOCATED NEAR CONSTRUCTION SITE ENTRANCES TO MINIMIZE TRAFFIC ON DISTURBED SOILS. THE PLAN SHOULD INCLUDE SECONDARY CONTAINMENT AROUND LIQUID WASTE COLLECTION AREAS TO FURTHER MINIMIZE THE LIKELIHOOD OF CONTAINMENT DISCHARGES. SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL NOT BE DISCHARGED TO WASTERS OF THE STATE, EXCEPT AS AUTHORIZED BY SECTION 404 PERMIT.

28. THIS ES&PC PLAN EMPLOYS SEVERAL PRACTICES THAT ARE USED TO REDUCE THE POLLUTANTS IN STORM WATER DISCHARGES. SEVERAL EROSION CONTROL BMP'S ARE USED TO REDUCE THE AMOUNT OF SEDIMENT RUNNING OFF SITE. INCLUDING SLOPE STABILIZATION, CHECK DAM, RETROFIT, SEDIMENT BARRIER WITH MULCH, INLET SEDIMENT TRAPS WITH EXCAVATED INLET, INLET SEDIMENT TRAP, TEMPORARY SEDIMENT TRAP AND STORM DRAIN OUTLET PROTECTION.

SEQUENCE OF LAND DISTURBANCE ACTIVITIES START MAY, 2022

STOP DECEMBER, 2022

ANTICIPATED CONSTRUCTION ACTIVITY SCHEDULE

A NOTICE OF TERMINATION IS SUBMITTED.

CONSTRUCTION ACTIVITY	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
INSTALL CONSTRUCTION EXIT								
INSTALL SEDIMENT CONTROLS								
MAINTAIN EROSION CONTROL DEVICES								
CLEARING AND GRADING								
INSTALL & MAINTAIN TEMPORARY VEGETATION & MULCH								
PERM. LANDSCAPING & STABILIZE Ds3								
CLEANUP SITE & REMOVE TEMPORARY BMP's								

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

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

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

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

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

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

31. SAMPLING FREQUENCY

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

HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE.

SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS: FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT. AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED. BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE

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

C. AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPS IN ANY AREA OF THE

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

WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.A.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE; AND

EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C)

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

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

ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:

A. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS; B. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS; THE DATE(S) ANALYSES WERE PERFORMED;

THE TIME(S) ANALYSES WERE INITIATED:

THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES; REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS

THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS; RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU;" AND

CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE FPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART

32. RETENTION OF RECORDS

SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT SUBMITTED IN ACCORDANCE WITH PART VI:

A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD; A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT; THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE

WITH PART IV.A.5. OF THIS PERMIT; A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT; A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT;

A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(2) OF THIS PERMIT. COPIES OF ALL NOTICES OF INTENT. NOTICES OF TERMINATION. INSPECTION REPORTS. SAMPLING REPORTS INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION). OR OTHER REPORTS REQUESTED BY THE EPD. EROSION. SEDIMENTATION AND POLLUTION CONTROL PLANS. RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE

RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

33. SAMPLING TYPE

ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CER PART 1.36 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, FPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER. LARGE MOUTH, CLEAN AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE

JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.

MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION. UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED, IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE QUALIFYING EVENT. THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT QUALIFYING EVENT, DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDMETER. SAMPLES ARE

SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E.

SAMPLING POINTS

1. FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORM WATER OUTFALLS USING THE FOLLOWING

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

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

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

THE OUTFALL STORMWATER CHANNEL THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM. THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.

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

H. ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3. OR III.D.4., WHICHEVER IS APPLICABLE.

OUTFALL SAMPLING

MANUAL SAMPLING - GRAB SAMPLES WILL BE TAKEN AT THE APPROPRIATE TIME AS STATED IN PART IV.D.6.D. FITHE PERMIT, SAMPLING WILL OCCUR AT THE DESIGNATED REPRESENTATIVE OUTFALL, THE SAMPLE WILL BE TAKEN IN THE CENTER OF THE OUTFALL CHANNEL, A LARGE MOUTH, CLEAN, GLASS OR PLASTIC JAR/BOTTLE. LABELED WITH PROJECT NUMBER AND LOCATION WILL BE USED TO COLLECT THE SAMPLE. THE SAMPLE CONTAINER WILL BE HELD SUCH THAT THE OPENING FACES UPSTREAM. ONCE THE SAMPLE JAR/BOTTI F IS FULL AND CAPPED. IT WILL BE TRANSPORTED TO THE LOCATION WHERE THE TURBIDITY TESTING WILL BE CONDUCTED. SAMPLES MAY BE ANALYZED AT THE SITE WITH PROPERLY CALIBRATED PORTABLE TURBIDIMETERS ALL TURBIDITY TESTS WILL BE CONDUCTED IMMEDIATELY BUT IN NO CASE, LATER THAN 48 HOURS AFTER THE

TIME THE SAMPLE WAS OBTAINED AUTOMATIC SAMPLING - GRAB SAMPLES WILL BE TAKEN AT THE APPROPRIATE TIMES AS SPECIFIED IN PART V.D.6.D. OF THE PERMIT. AUTOMATIC SAMPLING CAN BE ACCOMPLISHED BY USING A SAMPLING DEVICE SIMILAR TO THE ISCO MODEL 3700 OR 6700. THE PROBE FOR THE AUTOMATIC SAMPLER WILL BE PLACED IN THE CENTER OF THE CHANNEL, SAMPLES WILL REMAIN IN THE AUTOMATIC SAMPLER UNTIL THE NEXT BUSINESS DAY, WHEN THEY WILL BE COLLECTED AND TESTED.

TESTING - ALL TURBIDITY TESTS SHALL BE DONE IN ACCORDANCE WITH 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD. TURBIDITY RESULTS WILL BE RECORDED AND REPORTED TO EPD AND THE LIA, IF APPLICABLE, IN ACCORDANCE WITH PART IV.E OF THE PERMIT.

RECEIVING WATER SAMPLING

MANUAL SAMPLING - SAMPLES WILL BE TAKEN AT THE APPROPRIATE TIME AS STATED IN PART IV.D. 5. D. OF T. SAMPLING WILL BEGIN AT THE DESIGNATED REPRESENTATIVE RECEIVING WATER AT THE DOWNSTREAM LOCATION FIRST. THE SAMPLE WILL BE TAKEN AS FAR DOWNSTREAM (WITHIN THE PROJECT LIMITS ONSITE) OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE POINT, AND UPSTREAM OF AN ADDITIONAL DÍSCHARGES NOT ASSOCIATED WITH THE PROJECT. THE SAMPLE WILL BE TAKEN IN THE CENTER OF THE RECEIVING WATER AT A POINT WHERE MIXING OF THE RECEIVING WATERS AND THE PROJECT OUTFALL HAS CCURRED AND PRODUCED A HOMOGENOUS SAMPLE. ON RECEIVING WATERS WHERE ACCESS TO THE CENTER OF THE RECEIVING WATERS IS NOT PRACTICAL, SEVERAL SAMPLES FROM ACROSS THE RECEIVING WATERS WILL BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES WILL BE USED FOR THE UPSTREAM VALUE. A LARGE MOUTH, CLEAN, GLASS OR PLASTIC JAR/BOTTLE, LABELED WITH PROJECT NUMBER AND LOCATION WILL BE USED TO COLLECT THE SAMPLE. THE SAMPLE CONTAINER WILL BE HELD SUCH THAT THE OPENING FACES UPSTREAM. ONCE THE SAMPLE JAR/BOTTLE IS FULL AND CAPPED, IT WILL BE TRANSPORTED TO THE LOCATION WHERE THE TURBIDITY TESTING WILL BE CONDUCTED. SAMPLES MAY BE ANALYZED AT THE SITE WITH PROPERLY CALIBRATED PORTABLE TURBIDIMETERS. ALL TURBIDITY TESTS WILL BE CONDUCTED IMMEDIATELY BUT IN NO CASE, LATER THAN 48 HOURS AFTER THE TIME THE SAMPLE WAS OBTAINED.

UPSTREAM SAMPLES WILL BE TAKEN AFTER DOWNSTREAM SAMPLES HAVE BEEN ACQUIRED. THE SAMPLE WILL BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PROJECT (WITHIN THE PROJECT LIMITS ONSITE). THE SAMPLE WILL BE TAKEN IN THE CENTER OF THE RECEIVING WATER. ON RECEIVING WATERS WHERE ACCESS TO THE CENTER OF THE RECEIVING WATERS IS NOT PRACTICAL, SEVERAL SAMPLES FROM ACROSS THE RECEIVING WATERS WILL BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES WILL BE USED FOR THE UPSTREAM VALUE. A LARGE MOUTH, CLEAN, GLASS OR PLASTIC JAR, LABELED WITH PROJECT NUMBER AND LOCATION WILL BE USED TO COLLECT THE SAMPLE. THE SAMPLE CONTAINER WILL BE HELD SUCH THAT THE OPENING FACES UPSTREAM. ONCE THE SAMPLE JAR/BOTTLE IS FULL AND CAPPED, IT WILL BE TRANSPORTED TO THE LOCATION WHERE THE TURBIDITY TESTING WILL BE CONDUCTED. ALL TURBIDITY TESTS WILL BE CONDUCTED IMMEDIATELY BUT IN NO CASE, LATER THAN 48 HOURS AFTER THE TIME THE SAMPLE WAS OBTAINED

AUTOMATIC SAMPLING - SAMPLES WILL BE TAKEN AT THE APPROPRIATE TIMES AS SPECIFIED IN PART IV.D.5.D. OF HE PERMIT. AUTOMATIC SAMPLING CAN BE ACCOMPLISHED AT BOTH UPSTREAM AND DOWNSTREAM SIMULTANEOUSLY BY USING A SAMPLING DEVICE SIMILAR TO THE ISCO MODEL 3700 OR 6700. THESE DEVICES CAN BE TRIGGERED BY FLOW METERS OR RAIN GAGES TO OBTAIN THE REQUIRED SAMPLES. THIS DETERMINATION WILL BE MADE ON A PROJECT BY PROJECT BASIS. THE PROBE FOR THE AUTOMATIC SAMPLER WILL BE PLACED IN THE CENTER OF THE RECEIVING WATER AT A POINT AS FAR DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE POINT AND UPSTREAM OF ANY ADDITIONAL DISCHARGES NOT ASSOCIATED WITH THE PROJECT. SAMPLES WILL REMAIN IN THE AUTOMATIC SAMPLER UNTIL THE NEXT BUSINESS DAY, WHEN THEY WILL BE COLLECTED AND TESTED. THE PROBE FOR UPSTREAM SAMPLING WILL BE POSITIONED IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF

THE FIRST STORM WATER DISCHARGE POINT FROM THE PROJECT. THE PROBE WILL BE PLACED IN THE CENTER OF THE RECEIVING WATER. SAMPLES WILL REMAIN IN THE AUTOMATIC SAMPLER UNTIL THE NEXT BUSINESS DAX, WHEN THEY WILL BE COLLECTED AND TESTED.

, SAMPLING SITE DATA FOR OUTFALLS SAMPLING TOTAL SITE AREA | DRAINAGE AREA | DRAINAGE AREA | STREAM TYPE | NTU (AC) (WARM/COLD) (SQ MI) 16.15 WARM

SEE PLAN SHEETS FOR DELINEATION OF ALL SAMPLING LOCATIONS, PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES INTO WHICH STORM WATER IS DISCHARGED.

* SEE "APPENDIX B" RATIONALE FOR OUTFALL SAMPLING POINTS IN NPDES PERMIT NO. GAR100001

THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS 36. A DESCRIPTION OF APPROPRIATE CONTROLS AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE

1. INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS - DOUBLE ROW SILT FENCE WITH MULCH IN BETWEEN, MULCHING AND TEMPORARY SEEDING.

2. INTERMEDIATE GRADING AND DRAINAGE BMPS – STONE CHECK DAMS, DIVERSIONS, ROCK FILTER DAMS, DOUBLE ROW OF SILT FENCE WITH MULCH IN BETWEEN, COMPOST FILTER SOCK, INLET SEDIMENT TRAP, TEMPORARY SEDIMENT TRAP, STORM DRAIN OUTLET PROTECTION,

3. FINAL BMPS - STORM DRAIN OUTLET PROTECTION, SLOPE STABILIZATION AND PERMANENT SEEDING

37. THE GRAPHIC SCALE AND NORTH ARROW ARE SHOWN ON ALL PLAN SHEETS.

PERMANENT AND TEMPORARY SEEDING AND SLOPE STABILIZATION.

38. EXISTING AND PROPOSED CONTOUR LINES ARE DRAWN ON THE PLAN SHEETS.

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 EPD OR THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION). PLEASE REFER TO THE ALTERNATIVE BMP GUIDANCE DOCUMENT FOUND

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.

41. SEE PLAN SHEETS FOR 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.

42. SEE PLAN SHEETS FOR DELINEATION OF ON-SITE WETLANDS AND ALL STATE WATERS LOCATED ON AND WITHIN 200 FEET OF THE PROJECT SITE

43. SEE PLAN SHEETS FOR DELINEATION AND ACREAGE OF CONTRIBUTING DRAINAGE BASINS ON THE PROJECT SITE.

44. PRE- AND POST-DRAINING MAPS ARE INCLUDED IN THE HYDROLOGY STUDY 45. THE PRE-CONSTRUCTION SITE SCS CURVE NUMBER = _61_ AND THE POST-CONSTRUCTION SITE SCS CURVE NUMBER

46. SEE ST CHART ON PLAN SHEETS FOR STORM DRAIN PIPE VELOCITIES.

SOIL SERIES INFORMATION

FOR A SUMMARY OF THE SOILS THAT ARE EXPECTED TO BE FOUND ON THE PROJECT SITE BASED ON NRCS SOILS MAPS: SEE SHEET ER-000 FOR SOIL SERIES DELINEATION AND THE TABLE BELOW FOR SOIL DESCRIPTIONS.

SOILS SERIES TABLE

SOILS SERIES INDLE		
ALTAVISTA SANDY LOAM	AkA	0 TO 3 PERCENT SLOPES
APPLING SANDY LOAM	AmB	2 TO 6 PERCENT SLOPES
APPLING SANDY LOAM	AmC	6 TO 10 PERCENT SLOPES
CECIL SANDY LOAM	CeB	2 TO 6 PERCENT SLOPES
PACOLET SANDY LOAM	PaE	10 TO 25 PERCENT SLOPES
WATER	W	
WEHADKEE SOILS	WH	0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED

48. LIMITS OF DISTURBANCE

INITIAL PHASE: 30.53 ACRES

INTERMEDIATE PHASE: 30.53 ACRES FINAL PHASE: 0.00 ACRES

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.

CALCULATIONS ARE PROVIDED ON THE PLAN SHEETS.

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.

SEE SHEET ER-200-400

SEE SHEET ER-200-400

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. SEE SHEET ER-500-501

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

Contact 811 before you dig.

24 HOUR CONTACT: BARRY BABB TEL: (770) - 706 - 4800

LDP COMMENTS REVISION REFERENCE

NOTES DRAWN BY CHECKED BY SMM **ISSUE DATE** SCALE NONE 04/01/2022

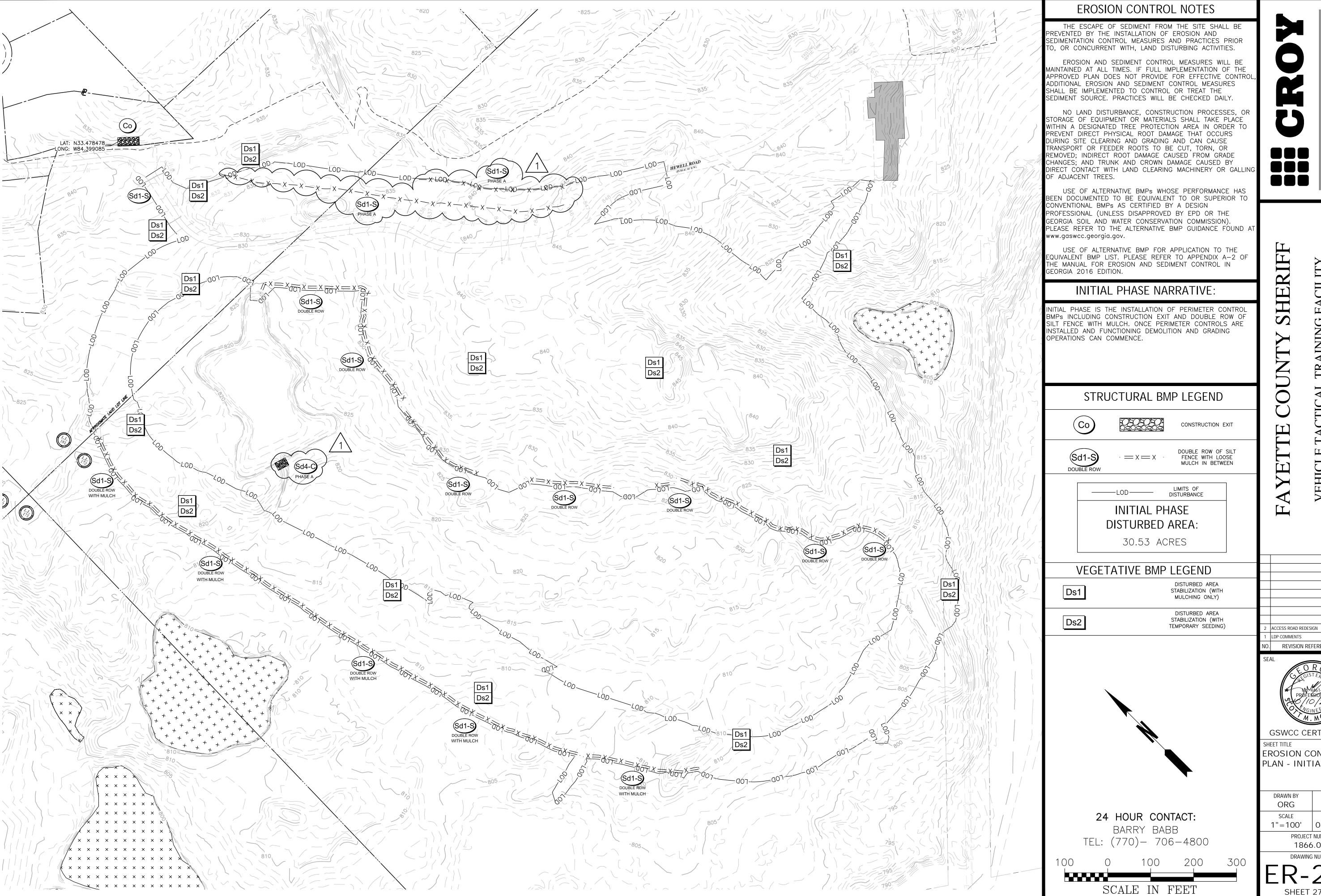
GSWCC CERT #78081

EROSION CONTROL

DRAWING NUMBER

1866.033 SHEET 26 of 3

PROJECT NUMBER



SHEET 27 of 31

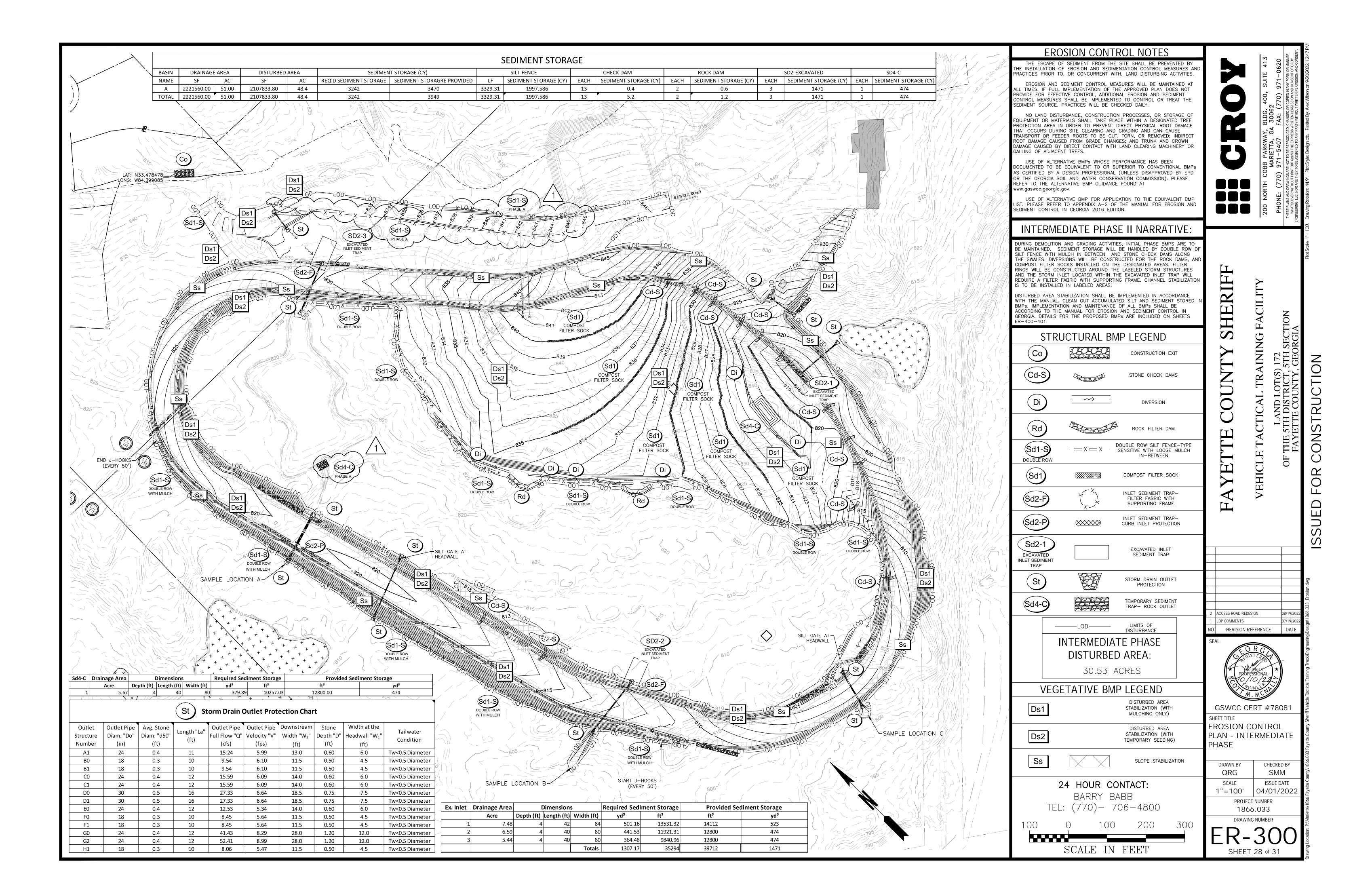
REVISION REFERENCE

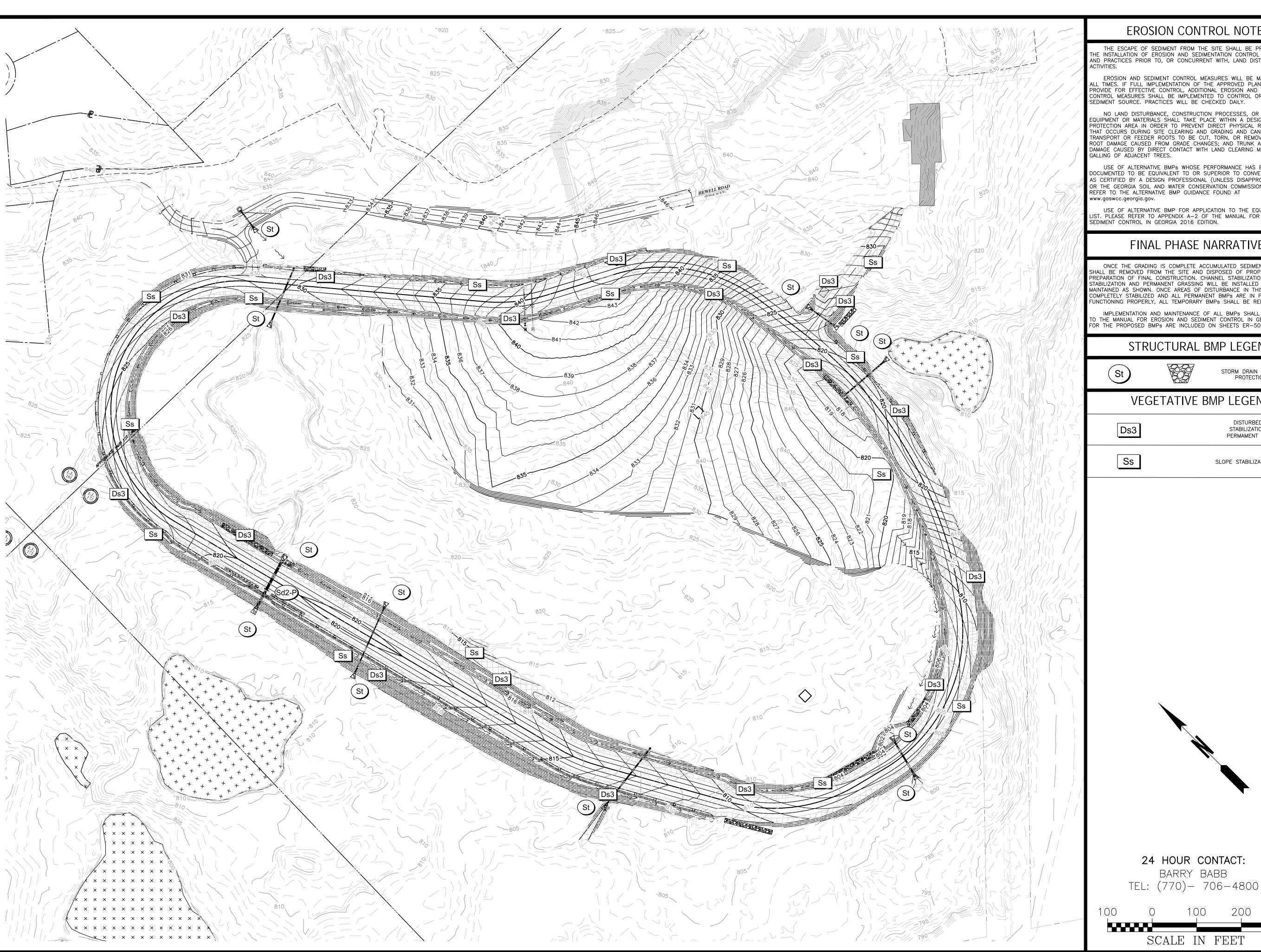
GSWCC CERT #78081

EROSION CONTROL PLAN - INITIAL PHASE

CHECKED BY SMM ISSUE DATE 1"=100' | 04/01/2022 1866.033

DRAWING NUMBER





EROSION CONTROL NOTES

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING

EROSION AND SEDIMENT CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE. PRACTICES WILL BE CHECKED DAILY.

NO LAND DISTURBANCE, CONSTRUCTION PROCESSES, OR STORAGE OF EQUIPMENT OR MATERIALS SHALL TAKE PLACE WITHIN A DESIGNATED TREE PROTECTION AREA IN ORDER TO PREVENT DIRECT PHYSICAL ROOT DAMAGE THAT OCCURS DURING SITE CLEARING AND GRADING AND CAN CAUSE TRANSPORT OR FEEDER ROOTS TO BE CUT, TORN, OR REMOVED; INDIRECT ROOT DAMAGE CAUSED FROM GRADE CHANGES; AND TRUNK AND CROWN DAMAGE CAUSED BY DIRECT CONTACT WITH LAND CLEARING MACHINERY OR GALLING OF ADJACENT TREES.

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 EPD OR THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION). PLEASE REFER TO THE ALTERNATIVE BMP GUIDANCE FOUND AT

USE OF ALTERNATIVE BMP FOR APPLICATION TO THE EQUIVALENT BMP LIST. PLEASE REFER TO APPENDIX A-2 OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA 2016 EDITION.

FINAL PHASE NARRATIVE:

ONCE THE GRADING IS COMPLETE ACCUMULATED SEDIMENT FROM BMPs SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY IN PREPARATION OF FINAL CONSTRUCTION. CHANNEL STABILIZATION, SLOPE STABILIZATION OF FINAL CONSTRUCTION. CHANNEL STABILIZATION, SLOPE STABILIZATION AND PERMANENT GRASSING WILL BE INSTALLED AND MAINTAINED AS SHOWN. ONCE AREAS OF DISTURBANCE IN THIS PHASE ARE COMPLETELY STABILIZED AND ALL PERMANENT BMPs ARE IN PLACE AND FUNCTIONING PROPERLY, ALL TEMPORARY BMPs SHALL BE REMOVED.

IMPLEMENTATION AND MAINTENANCE OF ALL BMPs SHALL BE ACCORDING TO THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. DETAILS FOR THE PROPOSED BMPs ARE INCLUDED ON SHEETS ER-500.

STRUCTURAL BMP LEGEND

STORM DRAIN OUTLET PROTECTION

VEGETATIVE BMP LEGEND

DISTURBED AREA STABILIZATION (WITH PERMAMENT SEEDING)

SLOPE STABILIZATION

HE

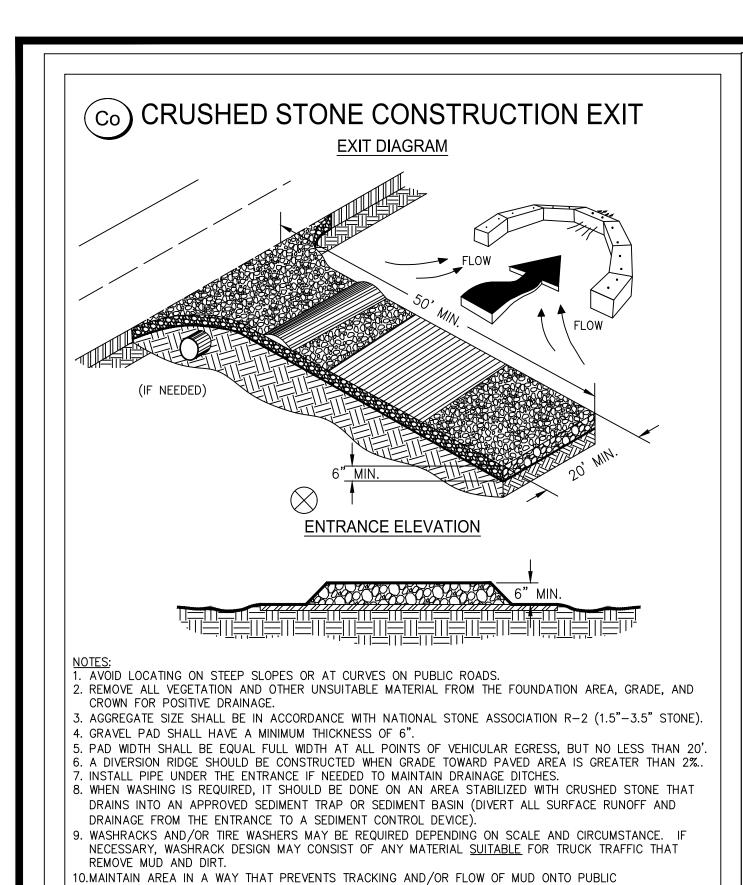
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REVISION REFERENCE

GSWCC CERT #78081

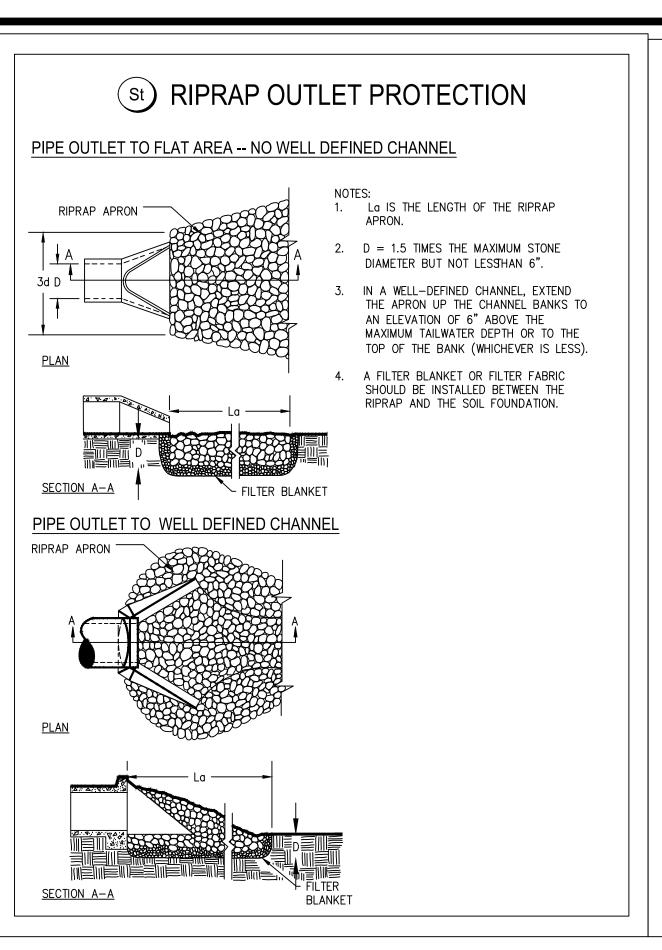
SHEET TITLE EROSION CONTROL

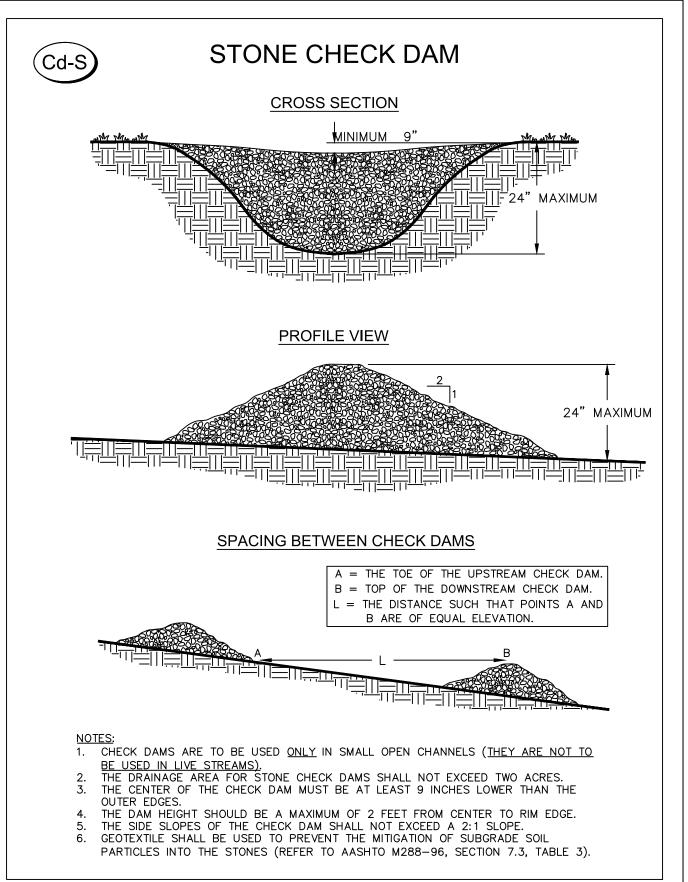
PLAN - FINAL PHASE

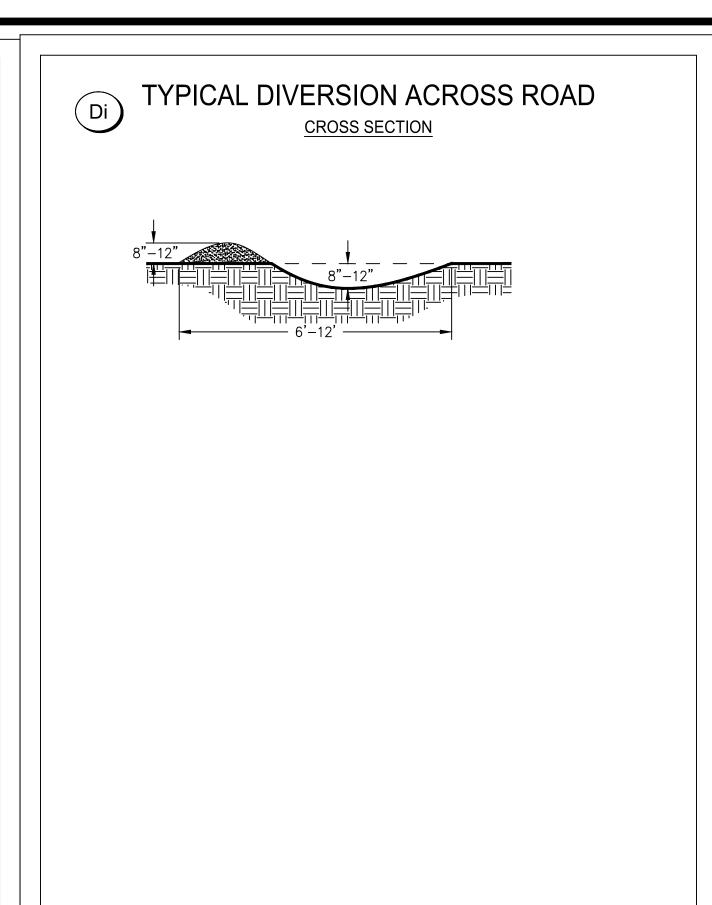


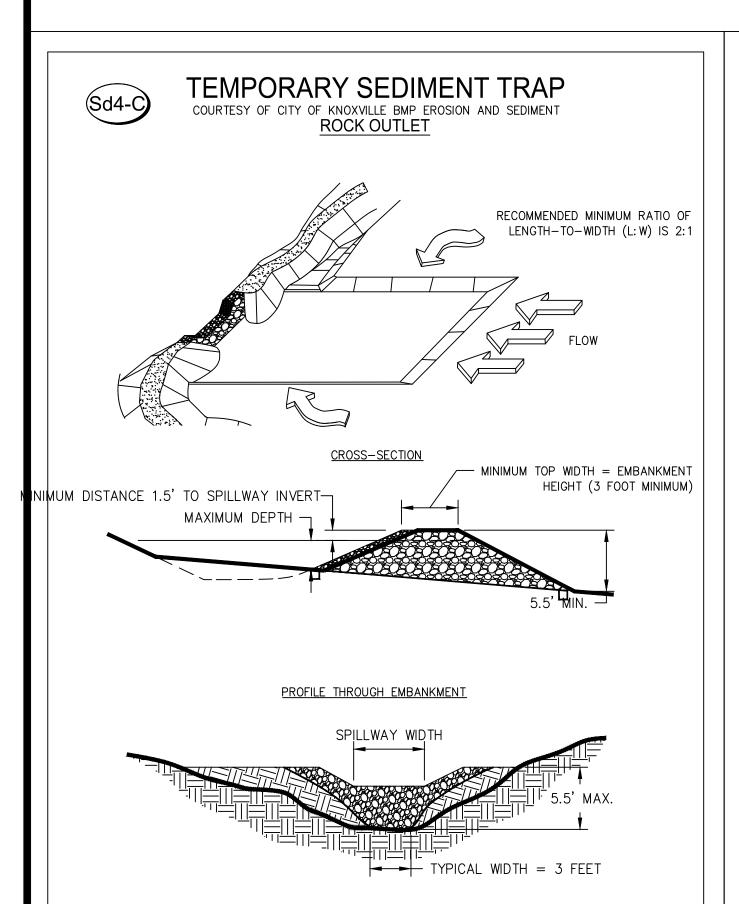
RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES

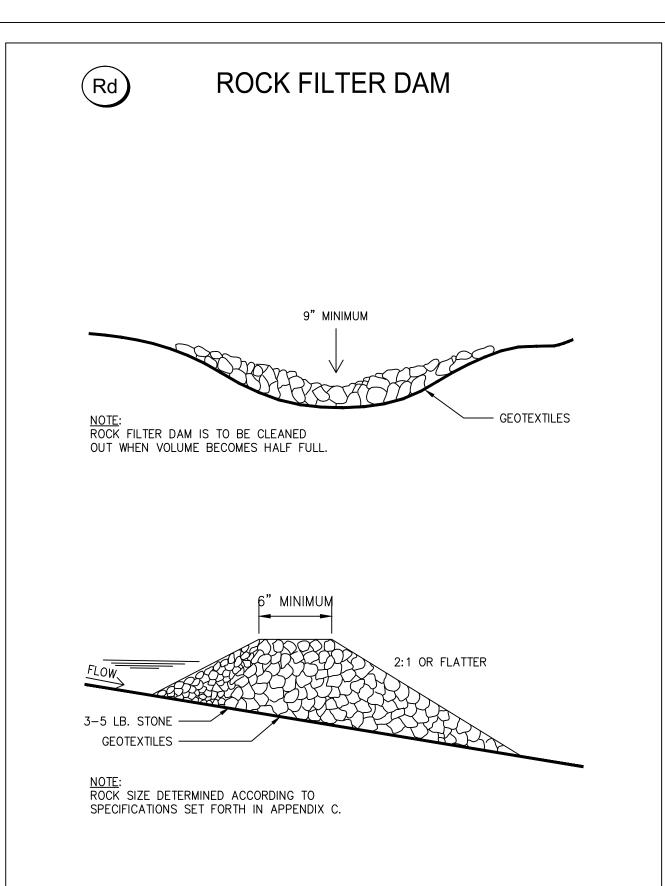
USED TO TRAP SEDIMENT.

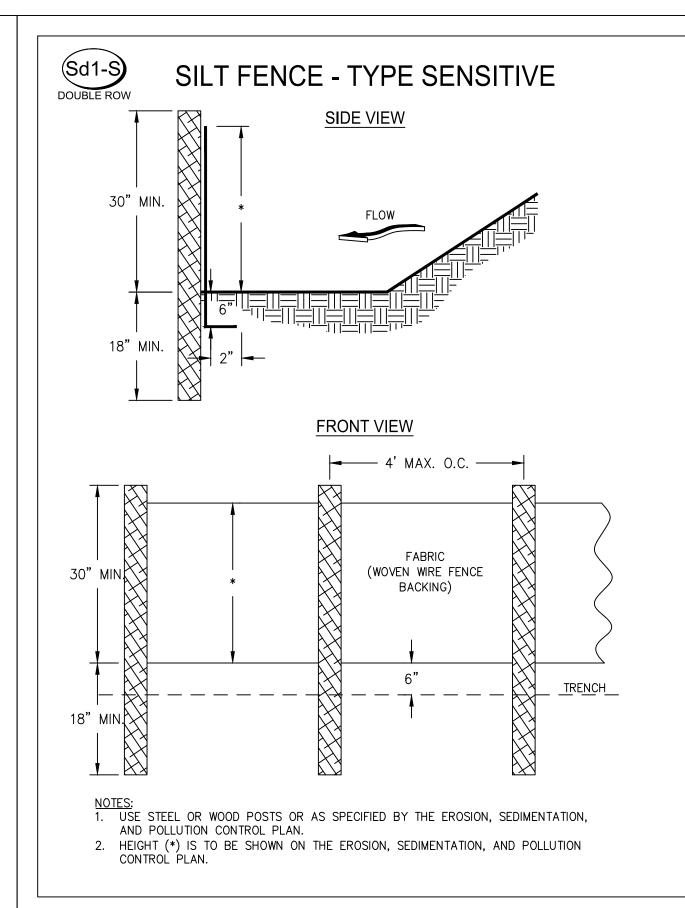


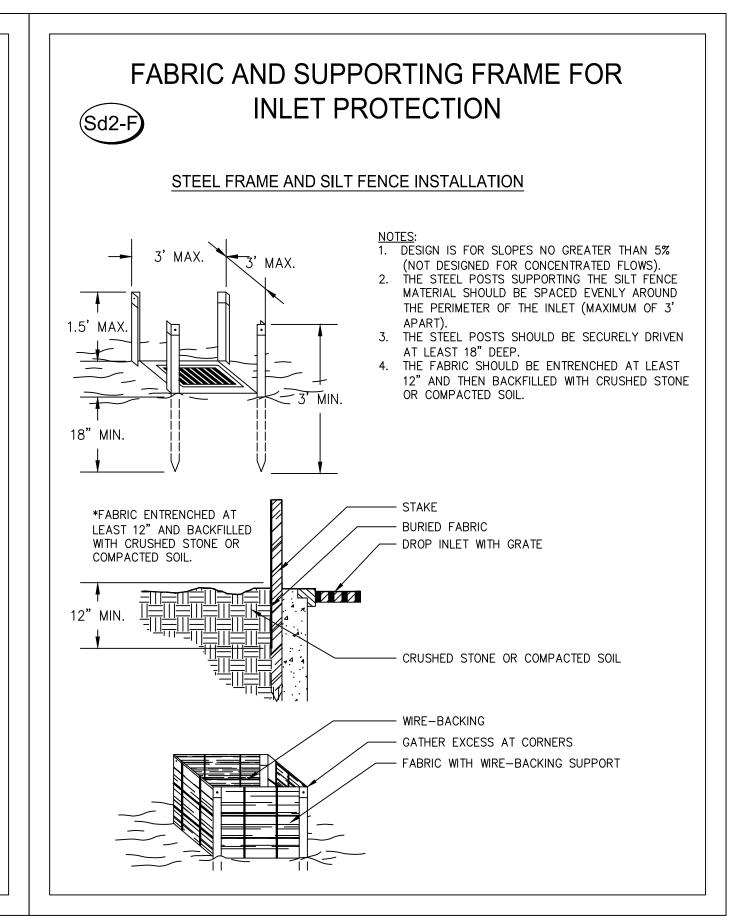


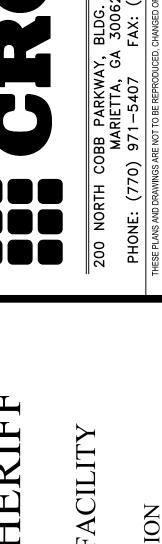












VEHICLE TACTICAL TRAINING F



DRAWING NUMBER

SHEET 30 of 31

SPECIFICATIONS

This standard applied 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.

. 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. 3. Loosen compact 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 reused.

When mulch is used without seeding, mulch shall be applied to provide full coverage of the exposed

1. Dry straw or hay mulch and wood chips shall be applied uniformly by hand or by mechanical 2. If the area will eventually be covered with perennial vegetation, 20-30 pounds of nitrogen per acre

in addition to the normal amount shall be applied to offset the uptake of nitrogen caused by the decomposition of the organic mulches. Apply polyethylene film on exposed areas.

Anchoring Mulch Straw or hav mulch can be pressed into the soil with a disk harrow with the disk set straight or with a special 'packer disk'. Disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch but to press it into the soil leaving much of it in an erect position. Straw or hay mulch shall be anchored immediately after application.

Straw or hay mulch spread with special blower-type equipment may be anchored. Tackifiers, binders and hydraulic mulch with tackifier specifically designed for taking straw can be substituted for emulsified asphalt. Please refer to specification Tackifiers and binders. Plastic

mesh or netting with mesh no larger than one inch by one inch shall be installed according to manufacturer's specifications. Netting of the appropriate size shall be used to anchor wood waste. Openings of the netting shall

not be larger than the average size of the wood waste chips. Polyethylene film shall be anchor trenched at the top as well as incrementally as necessary.

Ds2 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)

SPECIFICATIONS

Excessive water run-off shall be reduced by properly designed and installed erosion control practices such as closed drains, ditches, dikes, diversions, sediment barriers and others. No shaping or grading is required if slopes 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 hand-seeding, 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.

Agricultural lime is required unless soil tests indicate otherwise. Apply agricultural lime at determined by soil test for pH. Quick acting lime should be incorporated to modify pH during the germination period. Bio stimulants should also be considered when there is less than 3% organic matter in the soil. Graded 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.

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, cultipacker-seeder, or hydraulic seeder (slurry including seed and fertilizer). Drill or cultipacker 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. See table below.

Temporary vegetation can, in most cases, be established without the use of mulch provided there is little to 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 Ds1 - Disturbed Area Stabilization (With Mulching Only).

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.

PLANT, PLANTING RATES, AND PLANTING DATES FOR TEMPODADY COVED OD COMPANION CDOPS

SPECIES		DCAST TES PER							IG UT						REMARKS
SPECIES	PER ACRE	1000 SQ. FT.	J	F		_	M M		T I	RE A	GI S	ON O	I N	D	KEMAKKS
BARLEY															14,000 seed per pound
(Horduem vulgare) alone	144 lbs.	3.3 lbs.	l	l											Winterhardy. Use on
in mixture	24 lbs.	0.6 lb.	١,	L	2.4	١.	<u>ا</u> م	١,	١,	L	_	_	N.T	٦.	productive soils.
	24 108.	0.0 10.	J	F	IVI	A	IVI	IJ	J	A	S	U	N	שן	
LESPEDEZA,ANNUAL			l	l						l	l			l	200,000 seed per pound
(Lespedeza striata)	40.11	0.011	l				Ĺ			l	l			l	May volunteer for
alone	40 lbs.	0.9 lb.	l							L	١			l	several years. Use
in mixture	10 lbs.	0.2 lb.	J	F	М	A	M	J	J	A	S	o	N	D	
LOVEGRASS, WEEPING			l	l						l	l			l	1,500,000 seed per
(Horduem vulgare)			l	l	_					l	l			l	pound. May last for
alone	4 lbs.	0.1 lb.	l							l	l			l	several years. Mix with
in mixture	2 lbs.	0.05 lb.	J	F	M	A	M	J	J	A	S	О	N	D	
MILLET, BROWNTOP			П	Г		Г	Г			Г	Г		Г	П	137,000 seed per pound.
(Panicum fascicalatum)			l	l					L	l	l			l	Quick dense cover. Will
alone	40 lbs.	0.9 lb.	l							l	l			l	provide too much competition in mixtures if
in mixture	10 lbs.	0.2 lb.	lл	F	м	A	lм	J	J	A	s	o	N	lъ	seeded at high rates.
MILLET, PEARL			Ť	Ť		-	1	Ť	Ė	1	Ť	Ė	-	Ė	
(Pennesetum glaucum)			l				l			l	l			l	88,000 seed per pound. Quick dense cover. May
alone	50 lbs.	1.1 lb.	l								į .			l	reach 5 feet in height. Not
aione	30 108.	1.1 10.	J	F	3.4	١.	M	J	J	A	s	_	N.T	D	
0.177			۲	F	171	A	IVI	J	J	A	13	U	17	שן	
OATS			l	l						l	l			l	13,000 seed per pound.
(Avena sativa)	1,20,11	2011	l				l			l				1	Use on productive soils
alone	128 lbs.	2.9 lbs.	l				l			l	Γ		Γ	I	Not as winterhardy as
in mixture	32 lbs.	0.7 lb.	J	F	M	A	M	J	J	A	s	o	N	D	
RYE			l	l						l	l			l	18,000 seed per pound.
(Secale cereale)			l				l			L					Quick cover. Drought
alone	168 lbs.	3.9 lbs.	l	l			l			-					tolerant and
in mixture	28 lbs.	0.6 lb.	J	F	M	A	M	J	J	A	S	О	N	D	winterhardy.
RYEGRASS, ANNUAL			Г				Г			Г				Г	227,000 seed per pound
(Lolium temulentum)			L	L	L	L				L	ш			L_	Dense cover. Very
alone	40 lbs.	0.9 lb.				г.									competitive and is not t
			J	F	м	l _A	м	J	J	A	s	o	N	lъ	· —
SUDANGRASS			Ė	Ť	Ħ	Ë	Ť	Ť	Ė	۳	Ť	Ť	Ė	Ē	55,000 seed per pound
(Sorghum Sudanese)	1	1	l			ĺ		1	l	1	l	l	l	l	Good on droughty sites
alone	60 lbs.	1.4 lb.	l	l										l	Not recommended for
arone	00 103.	1.410.	J	F	М	۱	lм	١,	J	$ _{\mathbf{A}}$	s	_	N	h	
WHEAT		-	۲	F	171	A	IVI	۲	J	IA.	13	۲	17	۳	mixtures.
WHEAT (Triticum Aestivum)			l			l					1		l	l	
alone	180 lbs.	4.1 lbs.	l	l		l									15,000 seed per pound.
in mixture	30 lbs.	0.7 lb.	١.	F	١,,	١.	٦	١,	١.	١.	[N	ь	
III IIIIXture	20 108.	0.7 10.	J	l If	M	A	M	J	J	lΑ	ls	О	I IN	עו	I

DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

a minimum, shall adequately loosen the soil to a depth of 4 to 6 inches; alleviate compaction; incorporate critilizer; smooth and firm the soil; allow for the proper placement of seed, sprigs, or plants; and allow for the

All legume seed shall be inoculated with appropriate nitrogen-fixing bacteria, the innoculant shall be a pure culture prepar pecifically for the seed species and used within the dates on the container. A mixing medium recommended by the manufacturer shall be used to bond the innoculant to the seed. for conventio seeding, use twice the amount of innoculant recommended by the manufacturer, For hydraulic seeding, four times the amount of innoculant recommended by the manufacturer shall be used. All inoculated seed shall be protected from the sun and high temperatures and shall be planted the same day inoculated. No inoculated seed shall remain in the hydroseeder longer than one hour.

seeding to do not a freshly prepared and firmed seedbed. For broadcast planting, use a culti-packer-seeder, drill, o ther mechanical seeder, or hand seeding to distribute the seed uniformly over the area to be treated. Co ly with 1/8 to 1/4 inch of soil for small seed and 1/2 to 1 inch for large seed when using a cultipacker or or dividual Plants
Shrubs, vines and sprigs may be planted with appropriate planters or hand tools, pine trees shall be planted manually in the subsoil furrow. Each plant shall be set in a manner that will avoid crowding the roots.

Nursery stock plants shall be planted at the same depth or slightly deeper than they grew at the nursery. The tips of vines and sprigs must be at or slightly above the ground surface.

Where individual holes are dug, fertilizer shall be placed in the bottom of the hole, two inches of soil shall be added and the

emporary erosion control blankets or block sod, mulch is not required, cated roving may be applied on planted areas, slopes, in ditches or dry water-ways to prevent crosion extend roving shall be applied within 24 hours after an area has been planted. Application rates and at meet Georgia Department of Transportation specifications. It would put the shall not contain germination or growth inhibiting factors. They shall be evenly tated in water. The fibers shall contain a dye to allow visual metering and aid in uniform application

Applying Mulch

Straw or hay mulch will be spread uniformly within 24 hours after seeding and/or planting the mulch may be spread by blower-type spreading equipment, other spreading equipment or by hand. Mulch shall be applied to cover 75% of the soil

disk harrow with the disks set straight may be used. In edisks may be smoont or structure and snotute to a more in diameter and 8 to 12 inches apart. The edges of the disks shall be dull enough to press the mulch into the ground without cutting it, leaving much of it in an erect position. Mulch shall not be plowed into the soil. Synthetic tackifiers, binders or hydraulic mulch specifically designed to tack straw, shall be applied in conjunction in rimediately after the mulch is spread. Synthetic tackifiers shall be mixed and applied according to manufacturer's specifications. All tackifiers, binders or hydraulic mulch specifically designed to tack straw should be verified nontoxic through EPA 20.210 to setting. Refer to Tackifiers—Tac

1. Rye or wheat can be included with fall and winter plantings to stabilize the mulch. They shall be applied at a rate of non-cunater to non-half blushed per acre.

one-quarter to one-half bushel per acre.

Plastic mesh or netting with mesh no larger than one inch by one inch may be needed to anchor straw or hay mulch on unstable soils and concentrated flow areas. These materials shall be installed and anchored according to manufacturer's edding Material Mulch is used as a bedding material to conserve moisture and control weeds in nurseries, ornamental beds, around shrubs, and on bare areas on lawns.

 Material
 Depth

 Grain Straw
 4" TO 6"

 Grass Hay
 4" TO 6"

 Pine Needles
 3" TO 5"

 Wood Waste
 4" TO 6"

rigation will be applied at a rate that will not cause runoff.

Second Year and Maintenance Fertilization
Second year fertilizer rates and maintenance fertilizer rates are listed in table 6-5.1.

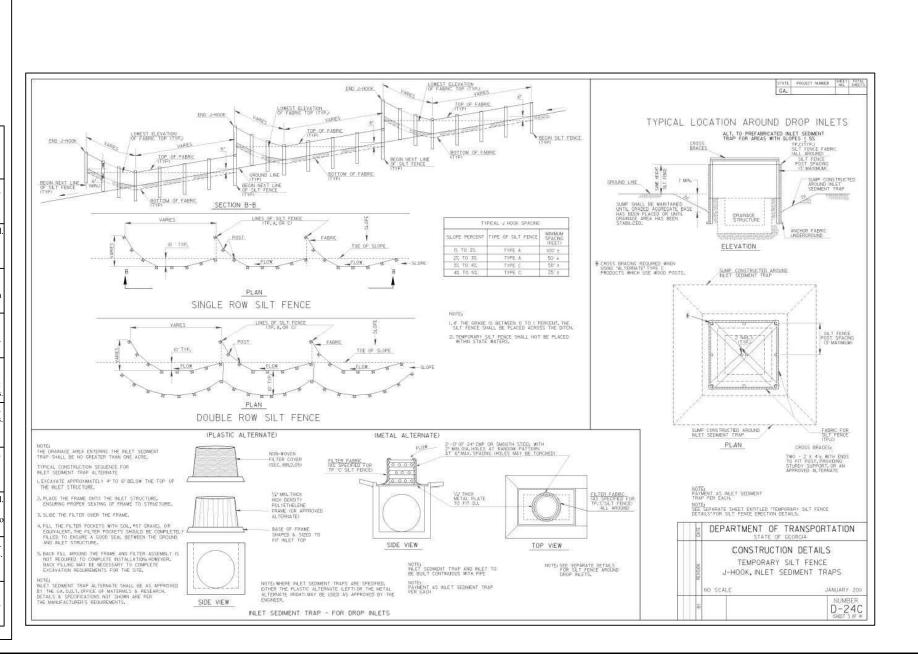
Lime Maintenance Application Apply one ton of agricultural lime every 4 to 6 years or as indicated by soil tests. Soil tests can be conducted to determine more accurate requirements, if desired.

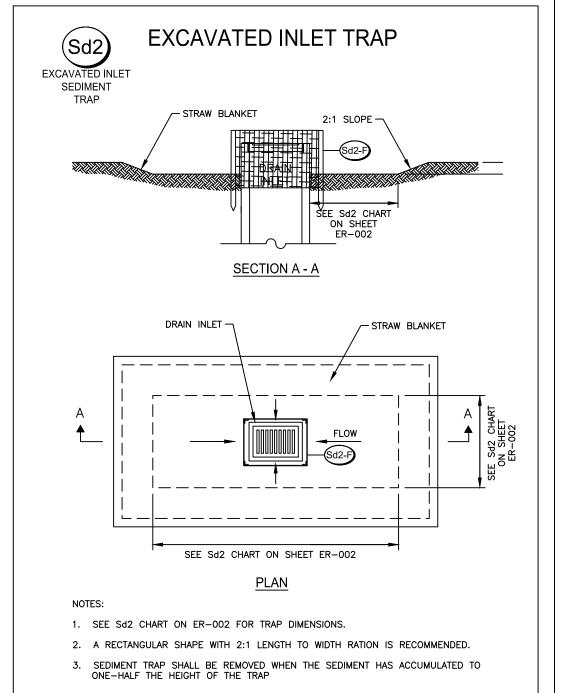
Bermudagrass, Bahia grass and Tall Fescue may be mowed as desired. Maintain at least 6 inches of top growth under any use and management. Moderate use of top growth is beneficial after establishment. Exclude traffic until the plants are well established. Because of the quail nesting season, mowing should not take place

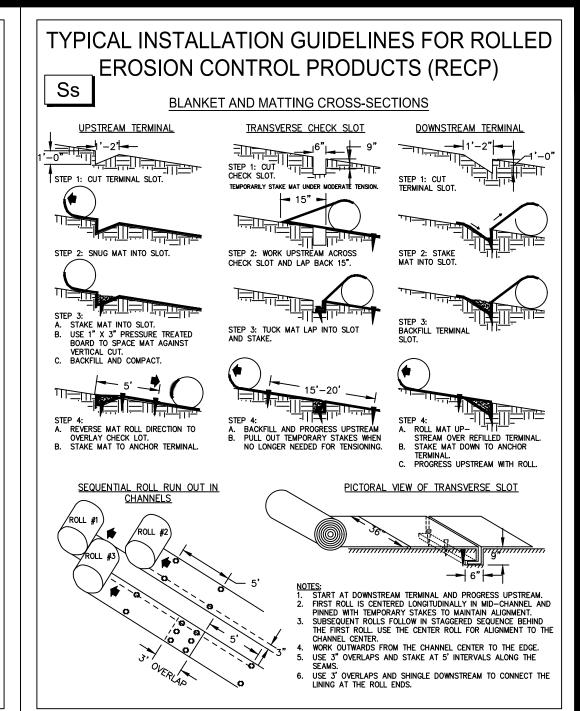
TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	NITROGEN TOF DRESSING RATE
Cool season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac.
	Second	6-12-12	1000 lbs./ac.	
	Maintenance	10-10-10	400 lbs./ac.	30 lbs./ac.
2. Cool season grasses	First	6-12-12	1500 lbs./ac.	0-50 lbs./ac.
and legumes	Second	0-10-10	1000 lbs./ac.	
-	Maintenance	0-10-10	400 lbs./ac.	
3. Ground covers	First	10-10-10	1300 lbs./ac.	l
	Second	10-10-10	1300 lbs./ac.	
	Maintenance	10-10-10	1100 lbs./ac.	
4. Pine seedlings	First	20-10-5	one 21-gram pellet per seedling placed in the closing hole	
5. Shrub Lespedeza	First	0-10-10	700 lbs./ac.	
•	Maintenance	0-10-10	700 lbs./ac.	
Temporary cover crops seeded alone	First	10-10-10	500 lbs./ac.	30 lbs./ac.
7. Warm season	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac.
grasses	Second	6-12-12	800 lbs./ac.	50-100 lbs./ac.
-	Maintenance	10-10-10	400 lbs./ac.	30 lbs./ac.
8. Warm season	First	6-12-12	1500 lbs./ac.	50 lbs./ac.
grasses and legumes	Second	0-10-10	1000 lbs./ac.	1
	Maintenance	0-10-10	400 lbs./ac.	

SPECIES	s	PER		ER				O	NT R S M(O	UT.	HE	R	V			REMARKS
BAHIA DENICAC	OL A	ACRE	sQ.	FT.	J	F	_	A	М	J	J	A	S	o	N	D	
BAHIA, PENSAC (Paspalum notatun	1)					L	L			Ш	Ц	Ц	Ш	Ш	Ц	Ц	166,000 seed per pound. Low growing. Sod forming
alone or w/ temp with other peren	mials	60 lbs. 30 lbs.	1.4 l 0.7 l		J	F	м	A	м	J	J	A	s	o	N	D	Slow to establish. Plant with a companion crop.
BAHIA, WILMIN (Paspalum notatun	1)				Ĺ	Ĺ	Ĺ	Ĺ	Ĺ								Will spread into bermuda pastures and lawns. Mis with Sericea lespedeza or
alone or w/ temp with other peren		60 lbs. 30 lbs.	1.41 0.71		J	F	м	Α.	м	,	Ţ	٨	c	o	N	D	with Sericea lespedeza or weeping lovegrass.
BERMUDA, COM	MON	20 103.	0.7 1		,	Ť	1111	A	IVI	J	,	А	٥	U	1.5	<u>, , , , , , , , , , , , , , , , , , , </u>	1,787,000 seed per pound
(Cynodon dactylor alone		10 lbs.	0.21														Quick cover. Low growing and sod forming. Full sun
with other peren BERMUDA, COM		6 lbs.	0.11	b.	J	F	M	A	М	J	J	A	S	o	N	D	Good for athletic fields.
(Cynodon dactylor with temporary	1)	10 lbs.	0.21	h ·			ł										Plant with winter annuals.
with other peren	mials	6 lbs.	0.11		J	F	м	A	м	J	J	A	s	o	N	D	Plant with tall fescue. A cubic foot contains
BERMUDA SPRI (Cynodon dactylor	1)						L				Ц						approximately 650 sprigs. bushel contains 1.25 cubic
Coastal, Commo or Tift 44	on,	40 cu. ft.	0.9	cu. ft.	J	F	м	A	м	J	J	A	s	o	N	D	foot or approximately 200
CENTIPEDE			•			Γ	T	Г			Г					Г	Sprigs. Drought tolerant. Full sun or partial shade. Effective adjacent to concrete and in concentrated flow areas. Irrigation is needed until fully established. Do not plant near pasture Winterhardy as far north as Athenta Athanta
(Eremochloa ophiu	ıroides)	Block s	od on	ly	J	F	М		м	J	J	A	s	o	N	D	Irrigation is needed until fully established. Do not plant near pasture Winterhardy as far north as Athens at
CROWNVETECH	I				J	F	IVI	A	IVI	J	J	A	0	U	IN	ע	
(Coronilla varia) with winter annu		15 lbs.	0.3 1	b.			ı						=				100,000 seed per pound. Dense grow Drought tolerant and fire resistant. Attractive rose, pink, and white blossoms spring to late fall. Mix wif 30 pounds of Tall fescue or 15 pound
cool season g	grasses				J	F	М	A	М	J	J	A	s	o	N	D	or rye. Inoculate seed with M inocula
(Festuca arundinac	ea)	50 lbs.	111	la.			ı										227,000 seed per pound. Use alone only on better sites. Not for drought soils. Mix with perennial lespedezas or crownvetch. Apply topdressing in spring following fall plantings. Not fit heavy use areas or athletic fields.
with other peren		30 lbs.	0.71		J	F	м	A	м	J	J	A	s	o	N	D	
LESPEDEZA, SEI (Lespedeza cuneat	RICA a)						ı										350,000 seed per pound. Widel adapted. Low maintenance. Mi with weeping lovegrass, commo
scarified unscarified		60 lbs. 75 lbs.	1.41					E			Ц	Ш					bermuda, bahia, or tall fescue. Takes 2 to 3 years to become
seed-bearing hay	у	3 tons	138	lbs.	J	F	м	Ī,	м	Ţ	Ţ	A	s	О	N	D	fully established. Excellent on roadbanks. Inoculate seed with EL inoculant.
LESPEDEZA					3	Ė	1.71	^		3	,	_		_	-	_	300,000 seed per pound. Height of growth is 18 to 24 inches.
(Lespedeza virgata (Lespedeza cuneata	DC) or a G. Don)		١.				L	L	L	L							300,000 seed per pound. Height of growth is 18 to 24 inches. Advantageous in urban areas. Spreading-type growth has bronze coloration. Mix with Weeping lovegrass, Common bermuda, bahia
scarified unscarified		60 lbs. 75 lbs.	1.4 l 1.7 l			L										_	lovegrass, Common bermuda, bahia tall fescue or winter annuals. Do no mix with Sericea lespedeza. Slow to
LESPEDEZA, SH	DIB				J	F	М	A	М	J	J	A	s	o	N	D	mix with Serioca lespedeza. Slow to develop solid stands. Inoculate seed with EL inoculate.
(Lespedeza bicoloi	r)						L										Provide wildlife food
(Lespedeza thumber plants		3':	3'		J	F	м	A	м	J	J	A	s	o	N	D	and cover.
LOVEGRASS, WI (Eragrostis curvula							L		Ш	L							1,500,000 seed per pound Quick cover. Drought
alone with other peren		4 lbs. 2 lbs.	0.11 0.05		J	F	м	Δ	м	J	J	A	s	О	N	D	tolerant. Grows well with Sericea lespedeza on roadbanks.
PANICGRASS,					Ť	ŕ	ľ	Ĥ	-		Ť	Ť	_	_	Ť	Ĩ	Grows well on coastal sand dunes, borrow areas, and grave
ATLANTIC CO (Panicum amarum								F									pits. Provides winter cover for wildlife. Mix with Sericea
amarulum) REED CANARY	GRASS	20 lbs.	0.51	b.	J	F	M	A	М	J	J	A	S	o	N	D	lespedeza except on sand dune
(Phalaris arundinadalone		50 lbs.	1.11	he			ı										Grows similar to tall fescue.
with other peren	mials	30 lbs.															reseuc.
			0.71	b.	J	F	М	A	М	J	J	A	s	o	N	D	
SUNFLOWER, 'A MAXIMILLIAN	M				J	F	M	A	M	J	J	A	S	O	N	D	227,000 seed per pound. Mix with weeping lovegra
SUNFLOWER, 'A	M	10 lbs.	0.71		J J	F	M	A	M	J	J	A	s	0	N	D D	227,000 seed per pound. Mix with weeping lovegra- or other low-growing grasses or legumes.
SUNFLOWER, 'A MAXIMILLIAM (Helianthus maxim	M niliani)	10 lbs.	0.2 1	b.	J	F	м	A A V	M	J	J	A	s	o	N	D	Mix with weeping lovegrast or other low-growing
SUNFLOWER, 'A MAXIMILLIAN (Helianthus maxim DURABL	M niliani) E SHR	10 lbs.	0.2 1 D G I	b.	J	F	м		M ER	J S I	J	A	s	o	N M	D	Mix with weeping lovegras or other low-growing grasses or legumes. ENT COVER
SUNFLOWER, 'A MAXIMILLIAN (Helianthus maxim DURABL Common Name	M niliani) E SHR	10 lbs.	0.2 1 D G I	b. ROU Ma	J	F D	M CO	Pl Spa	M	J S I	J FO	A	S	o R	N M	D AN Co	Mix with weeping lovegras or other low-growing grasses or legumes. ENT COVER mments
SUNFLOWER, 'A MAXIMILLIAN (Helianthus maxim DURABL	M niliani) E SHR Scie	10 lbs.	0.2 1 D G I	b. ROU Ma	J Ni tu	F D	M CO	Pl	M ER	J S I	J FO	A R	S PE	O CR	N M	D AN Co	Mix with weeping lovegras or other low-growing grasses or legumes. ENT COVER
SUNFLOWER, 'A MAXIMILLIAN (Helianthus maxim DURABL Common Name Albelia Carolina Yellow	E SHR Scie Abelia g	10 lbs. RUBS AN ntific Nan grandiflora	0.2 1 D G I	B. ROU Ma He	J Ni tu	F D	M CO	Pl Spa	M ER	J S I	J FO	A llso emi	a p	O CR	N MA	D Co e fo	Mix with weeping lovegra or other low-growing grasses or legumes. ENT COVER mments orn 2 feet high. Sun, evergreen. mpet-like flowers.
SUNFLOWER, 'A MAXIMILLIAN (Helianthus maxim DURABL Common Name Albelia	E SHR Scie	10 lbs. RUBS AN ntific Nan grandiflora	0.2 1 D G I	Ma He	J Ni tu	F D	M CO	Pl Spa ft.	M ER	J S I	J FO	A Ilso emi	a prosha y	O R	N trat	D Co e fo	Mix with weeping lovegra or other low-growing grasses or legumes. ENT COVER mments orn 2 feet high. Sun, evergreen. mpet-like flowers. vines. Evergreen.
SUNFLOWER, 'A MAXIMILLIAN (Helianthus maxim DURABL Common Name Albelia Carolina Yellow	E SHR Scie Abelia g	10 lbs. CUBS AN ntific Nan grandiflora	0.2 1 D G I	Ma He	J INI eigh	F D	5 5	Pl Spa ft.	M ER	J S I	J FO	A lso emi	a pro-sha	orossade ello	MIA trat Seew, of	Co e fo mi- trun bess rgia	Mix with weeping lovegra or other low-growing grasses or legumes. ENT COVER mments orn 2 feet high. Sun, evergreen. hypel-like flowers. t vines. Evergreen. ge, partial shade. Blue
SUNFLOWER, 'A MAXIMILLIAN (Helianthus maxim DURABL Common Name Albelia Carolina Yellow Jessamine Carpet Blue Bearberry	Miliani) E SHR Scie Abelia g Gelsemi semperv	10 lbs. CUBS AN ntific Nan grandiflora	0.2 1 D G]	Ma He 3-4 f	J IN ituri	F D	5 5 3 3	Pl Spa ft.	M ER	J S I	J A So V H N	A also emi	a pro-sha	o CR	N trat	Co e fo mi- trun bess egia aina	Mix with weeping lovegra- or other low-growing grasses or legumes. ENT COVER mments wm 2 feet high. Sun, evergreen. mpet-like flowers, vines. Evergreen.
SUNFLOWER, 'A MAXIMILLIAN (Helianthus maxim DURABL Common Name Albelia Carolina Yellow Jessamine Carpet Blue Bearberry Cotoneaster Ground Cover	E SHR Scie Abelia g Gelsemi semperv Ajuga re	10 lbs. RUBS AN Intific Nan grandiflora grandiflora grandiflora grandiflora grandiflora grandiflora grandiflora grandiflora grandiflora	0.21 D Gl	Ma He 3-4 f low 2-4 i	J IN itu eigh t.	F D	5 3 3	PI Spa ft. ft.	M ER	J S I	J A So V H N O	A also comi	a pressure	ooo Good	N trate. See	Co e formi- trur best rgia aina rs. l	Mix with weeping lovegra- or other low-growing grasses or legumes. ENT COVER mments pm 2 feet high. Sun, evergreen. yet-like flowers. tvines. Evergreen. ge, partial shade. Blue evergreen. I fruit. Sun. Evergreen.
SUNFLOWER, 'A MAXIMILLIAN (Helianthus maxim DURABL Common Name Albelia Carolina Yellow Jessamine Carpet Blue Bearberry Cotoneaster Ground Cover Cotoneaster	Scie Abelia g Gelsemi semperv Ajuga re Cotonea Cotonea	10 lbs. LUBS AN ntific Nan grandiflora ium rirens eptans uster damme	0.21 D G	3-4 f low 2-4 i 1-2 f	J IN ituright.	F D	5 3 3 5 5	PI Spa ft. ft. ft.	M ER	J S I	J FO SS VH N N O V	A A A A A A A A A A A A A A A A A A A	a pre-sha	o Cooce flow	N tratt. See	Co e formi- trum besingia aina rs. I	Mix with weeping lovegra- or other low-growing grasses or legumes. ENT COVER mments pm 2 feet high. Sun, evergreen. npet-like flowers. vines, Evergreen. uge, partial shade. Blue Evergreen. I fruit. Sun. Evergreen. I fruit. Sun. Evergreen.
SUNFLOWER, 'A MAXIMILLIAN (Helianthus maxim DURABL Common Name Albelia Carolina Yellow Jessamine Carpet Blue Bearberry Cotoneaster Ground Cover Cotoneaster Ground Cover Cotoneaster Rock	Scie Abelia g Gelsemi semperv Ajuga re Cotonea Cotonea	10 lbs. UBS AN ntific Nan grandiflora ium rirens eptans sster damme	0.21 D G	Ma He 3-4 i low 2-4 i	J IN ituright.	F D	5 3 3 5 5	Pl Spa ft. ft. ft.	M ER	J S I	J FO SS VH N N O V	A A A A A A A A A A A A A A A A A A A	a pre-sha	o Cooce flow	N tratt. See	Co e formi- trum besingia aina rs. I	Mix with weeping lovegra- or other low-growing grasses or legumes. ENT COVER mments pm 2 feet high. Sun, evergreen. yet-like flowers. tvines. Evergreen. ge, partial shade. Blue evergreen. I fruit. Sun. Evergreen.
SUNFLOWER, 'A MAXIMILLIAN (Helianthus maxim DURABL Common Name Albelia Carolina Yellow Jessamine Carpet Blue Bearberry Cotoneaster Ground Cover	Scie Abelia g Gelsemi semperv Ajuga re Cotonea Cotonea Cotonea Parthene	10 lbs. LUBS AN ntific Nan grandiflora tium rirens eptans uster damme uster salicifo uster horizon ocissue	0.21 D G	3-4 f low 2-4 i 1-2 f	J IN Intuitie ight.	F D	5 3 3 5 5	PI Spa ft. ft. ft.	M ER	J S I	J A Si V H N N O V	A Ilso emi i ine fard latir White emi	a preshability of the fluid in	orossade elloone o Good ow ow erg	trat. Scow, of liceord drawe ers,	Co e formi- trum besia aina rs. 1	Mix with weeping lovegra- or other low-growing grasses or legumes. ENT COVER mments pm 2 feet high. Sun, evergreen. npet-like flowers. vines, Evergreen. uge, partial shade. Blue Evergreen. I fruit. Sun. Evergreen. I fruit. Sun. Evergreen.
SUNFLOWER, 'A MAXIMILLIAN (Helianthus maxim DURABL Common Name Albelia Carolina Yellow Jessamine Carpet Blue Bearberry Cotoneaster Ground Cover Cotoneaster Rock Cotoneaster Virginia Creeper Daylilly	E SHR Scie Abelia g Gelsemi semperv Ajuga re Cotonea Cotonea Parthene quinque Hemero	10 lbs. LUBS AN Intific Nan grandiflora tum rirens eptans ester damme ester salicifo ester horizon ocissue folia callis spp.	0.21 D G	Ma He 3-4 f low 2-4 i 1-2 f low 2-3 f	J Ituriture ight.	F D	5 3 5 5 5 5 5 3 2	Pl Spa ft. ft. ft. ft. ft.	M ER	J S I	J A So V H N O V W S R G M	A Isoo	a pp-sha ly, ove to ly, ove to lise fli-ev ii-ev iii-ev iiiii-ev	OCRITOR STATE OF THE PROPERTY	N tratt. See w., of lie or cers, ree	Co e formibesis recon. S	Mix with weeping lovegra- or other low-growing grasses or legumes. ENT COVER mments mm 2 feet high. Sun, evergreen. mpet-like flowers. vines. Evergreen. lage, partial shade. Blue Evergreen. I fruit. Sun. Evergreen. un. Deciduous. Native to rs. Full sun. Very Hardy
SUNFLOWER, 'A MAXIMILLIAN (Helianthus maxim DURABL Common Name Albelia Carolina Yellow Jessamine Carpet Blue Bearberry Cotoneaster Ground Cover Cotoneaster Ground Cover Cotoneaster Virginia Creeper Daylilly English Ivy	E SHR Scie Abelia g Gelsemi semperv Ajuga re Cotonea 'Repens' Cotonea Parthene quinque Hemero Hedera	10 lbs. RUBS AN Intific Nan grandiflora tium rirens septans seter damme seter salicifo seter horizon ocissue folia callis spp. helix	0.21 D Gl	Ma He 3-4 f low 2-4 i 1-2 f low 2-3 f low	J INI Intuisight.	F D	5 3 5 5 5 5 3 2 3	Pl Spa ft. ft. ft. ft. ft.	M ER	J S I	J Ass V H N N O V V S S R G N S	A A A A A A A A A A A A A A A A A A A	a pp-sha sha se fill the fill	OCRITORIANO ON OWNERS OF COMMENTAL OF COMMENTAL OWNERS OF COMMENTA	N tratt. See N, of lieon lider cers, receiver c. Cl	Co e formi- trumbestigia aina rs. 1 recon. S	Mix with weeping lovegra- or other low-growing grasses or legumes. ENT COVER mments mm 2 feet high. Sun, evergreen. mpet-like flowers. vines. Evergreen. lage, partial shade. Blue Evergreen. I fruit. Sun. Evergreen. un. Deciduous. Native to rs. Full sun. Very Hardy
SUNFLOWER, 'A MAXIMILLIAN (Helianthus maxin DURABL Common Name Albelia Carolina Yellow Jessamine Carpet Blue Bearberry Cotoneaster Ground Cover Cotoneaster Ground Cover Cotoneaster Virginia Creeper Daylilly English Ivy Compacta Holly	Scie Abelia g Gelsemi semperv Ajuga re Cotonea Cotonea Parthene quinque Hemero Hedera i	10 lbs. LUBS AN Intific Nan grandiflora tum rirens eptans ester damme ester salicifo ester horizon ocissue folia callis spp.	0.21 D G l ne	Ma He 3-4 f low 2-4 i 1-2 f low 2-3 f	J INI IntuisigI it.	F D	5 3 3 5 5 5 3 2 3 5	Pl Spa ft. ft. ft. ft. ft.	M ER	J S I	J FO A So V H N N O V V V S S S S S S S S S S S S S S S S	A A A A A A A A A A A A A A A A A A A	a pre-sha . Y dy, ce till se fli	overge all.	N tratt. See Now, of liceorers, ree: Vin	Co e formi- trumbest regia aina rs. I recon. S	Mix with weeping lovegra- or other low-growing grasses or legumes. ENT COVER mments mm 2 feet high. Sun, evergreen. mpet-like flowers. vines. Evergreen. lage, partial shade. Blue Evergreen. I fruit. Sun. Evergreen. un. Deciduous. Native to rs. Full sun. Very Hardy
SUNFLOWER, 'A MAXIMILLIAM (Heliamthus maxim DURABL Common Name Albelia Carolina Yellow Jessamine Carpet Blue Bearberry Cotoneaster Ground Cover Cotoneaster Ground Cover Cotoneaster Bock Cotoneaster Daylilly English Ivy Compacta Holly Chinese Holly Chinese Holly Chinese Holly Dwarf Burford	Scie SHR Scie Abelia g Gelsemin semperv Ajuga re Cotonea Repens' Cotonea Parthenequinque Hemero Illex crer Illex corr	10 lbs. RUBS AN Intific Nan grandiflora irinens eptans seter damme seter salicifo aster horizon ocissue folia callis spp. helix nata 'Compa	0.21 D G l ne ri luis ttalis	Ma He 3-4 f low 2-4 i low 1-2 f low 2-3 f low 3-4 f low	J INI iturbigi t. n. n. t.	F D	5 3 5 5 5 5 5 3 2 3 3 5 5 5	ft. ft. ft. ft. ft. ft.	M ER	J S I	J FO A So V H N N O V V V S S S S S S S S S S S S S S S S	A A A A A A A A A A A A A A A A A A A	a pre-sha . Y dy, ce till se fli	overge all.	N tratt. See Now, of liceorers, ree: Vin	Co e formi- trumbest regia aina rs. I recon. S	Mix with weeping lovegra- or other low-growing grasses or legumes. ENT COVER mments orn 2 feet high. Sun, evergreen. mpet-like flowers. tvines. Evergreen. lifuit. Sun. Evergreen. lifuit. Sun. Evergreen. lifuit. Sun. Evergreen. un. Deciduous. Native to rs. Full sun. Very Hardy ss.
SUNFLOWER, 'A MAXIMILLIAM (Helianthus maxin DURABL Common Name Albelia Carolina Yellow Jessamine Carpet Blue Bearberry Cotoneaster Ground Cover Cotoneaster Ground Cover Cotoneaster Virginia Creeper Daylilly English Ivy Compacts Holly Compacts Holly Dwarf Burford Holly Dwarf Purford Holly Dwarf Yaupon	Milliani) E SHR Scie Abelia g Gelsemis semperv Ajuga re Cotonea Parthenequinque Hemero Hedera i llex cret llex coro llex bur	10 lbs. UBS AN ntific Nan grandiflora ium grandiflora grandiflora grandiflora auticum gr	0.2 l D G ne ri luis ttalis	Ma He 3-4 f low 2-4 i low 1-2 f low 2-3 f low 3-4 f 3-4 f 3-4 f	J INI iturbight.	F D	5 3 3 5 5 5 3 2 3 3 5 5 8	PI Spa ft. ft. ft. ft. ft. ft. ft.	M ER	J S I	J A Si V W V V V S S S S V	A also emilification of the control	a pre-shared shared sha	O CRI	N trat. See www. of liceorers, received and control of the control	D Co e formitive properties of the color in	Mix with weeping lovegra- or other low-growing grasses or legumes. ENT COVER mments orn 2 feet high. Sun, evergreen. mpet-like flowers. tvines. Evergreen. lifuit. Sun. Evergreen. lifuit. Sun. Evergreen. lifuit. Sun. Evergreen. un. Deciduous. Native to rs. Full sun. Very Hardy ss.
SUNFLOWER, 'A MAXIMILLIAN (Helianthus maxin DURABL Common Name Albelia Carolina Yellow Jessamine Carpet Blue Bearberry Cotoneaster Ground Cover Cotoneaster Ground Cover Cotoneaster Ground Cover Cotoneaster Wirginia Creeper Daylilly English Ivy Compacta Holly Chinese Holly Dwarf Burford Holly Dwarf Yaupon Holly	Milliani) E SHR Scie Abelia g Gelsemi semperv Ajuga re Cotonea Repens' Cotonea Parthene quinque Ilex cret Ilex corn Ilex bur Ilex bur Ilex bur	10 lbs. RUBS AN Intific Nan grandiflora tum rirens septans seter damme seter salicifo seter horizon ocissue folia callis spp. helix hata 'Compa nuta 'Rotun fordii 'Nana nitoria 'Nana	0.21 D G ac	Ma He 3-4 f low 2-4 i low 1-2 f low 2-3 f low 3-4 f s 3-4 f low 5-8 f	J INI ituisigli it.	F D	5 3 3 5 5 5 3 2 3 5 5 8 5	PI Spa ft.	M ER	J S I	J Ass VH N N O V V S R C N S S V	A A A A A A A A A A A A A A A A A A A	a pre-sha You like the fluid in frigue of the sent	O CRI	N tratt. See See See See See See See See See Se	Co e formi- trum besin aina rs. 1 reco no. S ne.	Mix with weeping lovegra- or other low-growing grasses or legumes. ENT COVER mments orn 2 feet high. Sun, evergreen. mpet-like flowers. t vines. Evergreen. If fruit. Sun. Evergreen. If fruit. Sun. Evergreen. If fruit. Sun. Evergreen. un. Deciduous. Native to rs. Full sun. Very Hardy ss. , semi-shade.
SUNFLOWER, 'A MAXIMILLIAN (Helianthus maxin DURABL Common Name Albelia Carolina Yellow Jessamine Carpet Blue Bearberry Cotoneaster Ground Cover Cotoneaster Ground Cover Cotoneaster Ground Eaglish Eaglish Ivy Compact Holly Chinese Holly Dwarf Burford Holly Dwarf Yaupon Holly Repandens Holly Repandens Holly	Milliani) E SHR Scie Abelia g Gelsemi semperv Cotonea Cotonea Parthen Henero Hedera illes coro illes bur Bes von Iles von Iles cree Juniper	10 lbs. RUBS AN Intific Nan grandiflora ium rirens septans seter damme seter salicifo seter horizon ocissue folia callis spp. helix nata 'Compa nata 'Nana nata 'Repanc as horizonta se horizonta	0.21 D G ae	Ma He 3-4 f low 2-4 i low 1-2 f low 2-3 f low 3-4 f 3-4 f 3-4 f 3-4 f 3-4 f	J N I turbigl	F D	5 3 3 5 5 5 3 2 3 5 8 5 5	ft. ft. ft. ft. ft. ft. ft. ft.	M ER	J S I	J ASS V V S RC V S S V V S	Associated later with the lead it is	a ppe-sha . Y	O CRI	N tratt. See www. of liceorers, received and liceorers. Clashace liceorers. Clashace liceorers.	Co e formitrum besi reconstrum	Mix with weeping lovegra- or other low-growing grasses or legumes. ENT COVER mments orn 2 feet high. Sun, evergreen. mpet-like flowers. t vines. Evergreen. If fruit. Sun. Evergreen. If fruit. Sun. Evergreen. If fruit. Sun. Evergreen. un. Deciduous. Native to rs. Full sun. Very Hardy ss. , semi-shade.
SUNFLOWER, 'A MAXIMILLIAM (Helianthus maxin DURABL Common Name Albelia Carolina Yellow Jessamine Carpet Blue Bearberry Cotoneaster Ground Cover Cotoneaster Ground Cover Cotoneaster Rock Cotoneaster Payilly English Ivy Compacta Holly Chinese Holly Dwarf Burford Holly Dwarf Burford Holly Repandens Holly Andorra Juniper	Milliani) E SHR Scie Gelsemins semperv. Ajuga ra Cotonea Cotonea Parthenequinque Hemero Ilex crer Ilex cor Ilex von	10 lbs. RUBS AN Intific Nan grandiflora irriens septans seter damme seter salicifo seter horizon ocissue folia callis spp. helix hata 'Compa nuta 'Rotun fordii 'Nana nitoria 'Nana nitoria 'Nana ata 'Repan as horizonta a'	0.21 D G) ne luis ttalis cta' la' 'dens'	Ma He 3-4 f low 2-4 i low 2-3 f low 3-4 f 3-4 f low 3-4 f 3-4 f 2-3 f 2-3 f	JINI ntuingigil t. n. n. t. t. t. t. t.	F D	5 3 3 5 5 5 3 2 3 5 5 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Pl Sp: ft.	M ER	J S I	J A SK V H N N O V V S S S S V V S S S V V V S S S S S	A also emi fine latification with the latification of the latifica	a present a pres	over all. own and a series and	N trate. See www. of lideor sees, Clahace le.:	Co e formi- trumbestingia aimars. I reconstruction. Some.	Mix with weeping lovegra- or other low-growing grasses or legumes. ENT COVER mments by m 2 feet high. Sun, evergreen. mpet-like flowers. tvines. Evergreen. life production of the service of the serv
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PLANT, PLANTING RATES, AND PLANTING DATES FOR PERMANENT COVER







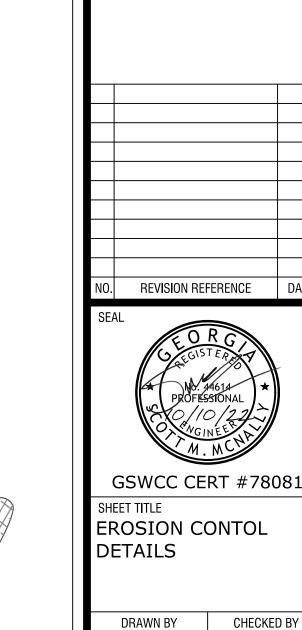
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AREA TO BE PROTECTED

*HEIGHT IS TO BE SHOWN ON THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN

Figure 6-27.3





SCALE

NONE

6-143

SMM

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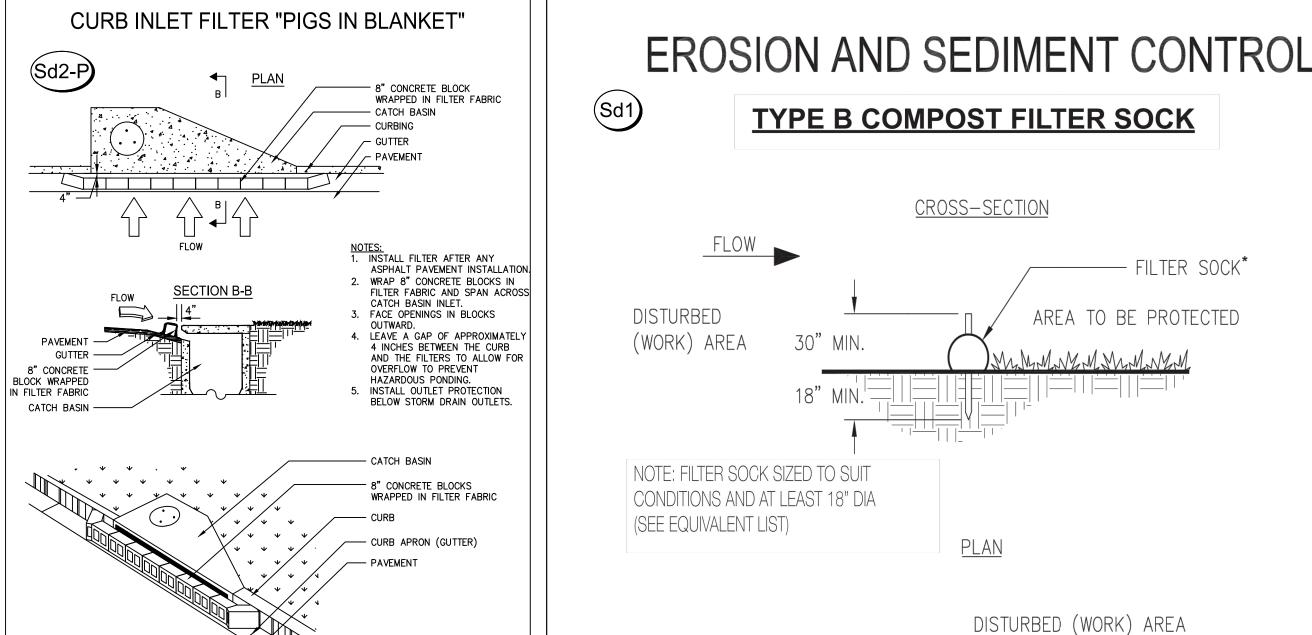
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EXISTING CONTOURS

WOODEN STAKES

GSWCC 2016 Edition

COMPOST FILTER SOCK

(2' O.C. FOR TYPE NS)