

GENERAL NOTES

1. AS-BUILT REQUIRED PRIOR TO FINAL BUILDING INSPECTION

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.

8. 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 GARI00001, GARI00002, & GARI00003; 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 PERMITEE 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

SHEET INDEX				
SHEET	DRAWING NAME	SHEET 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	
30	ER-500	EROSION CONTROL DETAILS	04/01/2022	
31	ER-501	EROSION CONTROL DETAILS	04/01/2022	

GSWCC CERT #78081

SHEET TITLE  
COVER SHEET

DRAWN BY  
ORG

CHECKED BY  
SMM

SCALE  
NONE

ISSUE DATE  
04/01/2022

PROJECT NUMBER  
1866.033

DRAWING NUMBER  
C-000

SHEET 1 of 31

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413  
MARIETTA, GA 30062  
PHONE: (770) 971-5407 FAX: (770) 971-0620  
THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER, WITHOUT THE WRITTEN PERMISSION OF CROY ENGINEERING, LLC. ANY USE MUST BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE LICENSE AGREEMENT. CROY ENGINEERING, LLC. MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT PERMISSION AND CONSENT.

FAYETTE COUNTY SHERIFF  
VEHICLE TACTICAL TRAINING FACILITY  
LAND LOT(S) 172  
OF THE 5TH DISTRICT, 5TH SECTION  
FAYETTE COUNTY, GEORGIA

ISSUED FOR CONSTRUCTION

01 ACCESS ROAD REDESIGN 08/19/22

NO. REVISION REFERENCE DATE

SEAL

GSWCC CERT #78081

SHEET TITLE  
COVER SHEET

DRAWN BY  
ORG

CHECKED BY  
SMM

SCALE  
NONE

ISSUE DATE  
04/01/2022

PROJECT NUMBER  
1866.033

DRAWING NUMBER  
C-000

SHEET 1 of 31

Drawing Location: p:\Marietta\1866 Fayette county\1866.033 Fayette county sheriff vehicle tactical training track\engineering\Design\1866.033\_Cover\_Notes&Details.dwg Plot Scale: 1"=100'-0" Drawing Rotation: 0° Plot Style: Design.ctb Printed By: Margaret Macmore on 4/1/2022

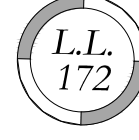








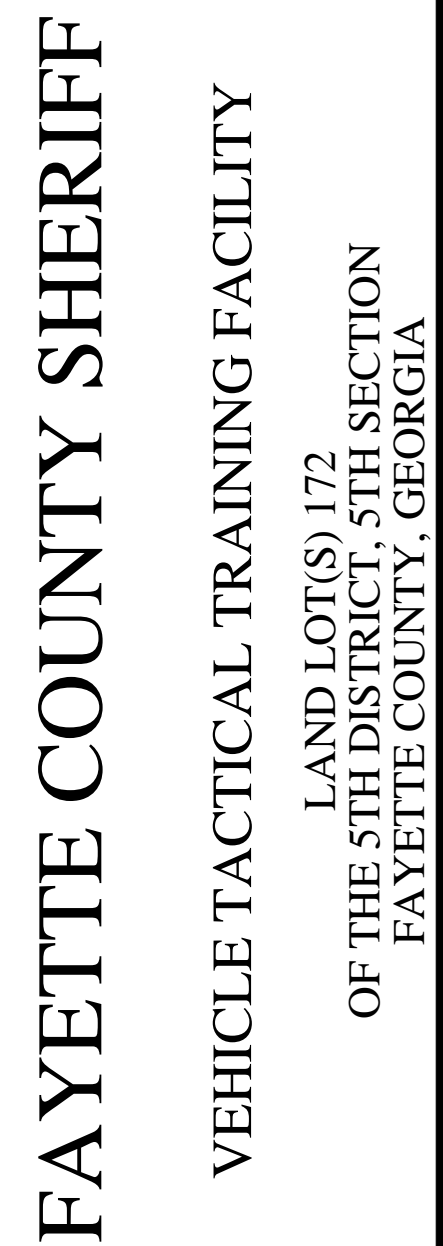




C-201  
SHEET 4 of 31



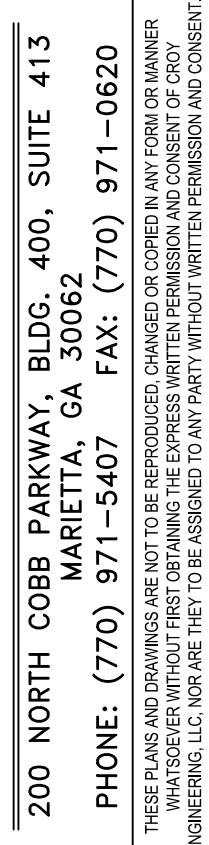
SEE SHEET C-203



Drawing Location: P:\Marietta\1866 Fayette County Sheriff Vehicle Tactical Training Track\Engineering\Design\1866.033\_Plan.dwg

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## ISSUED FOR CONSTRUCTION

SEAL



GSWCC CERT #78081

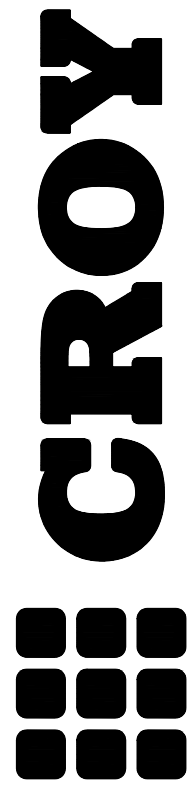
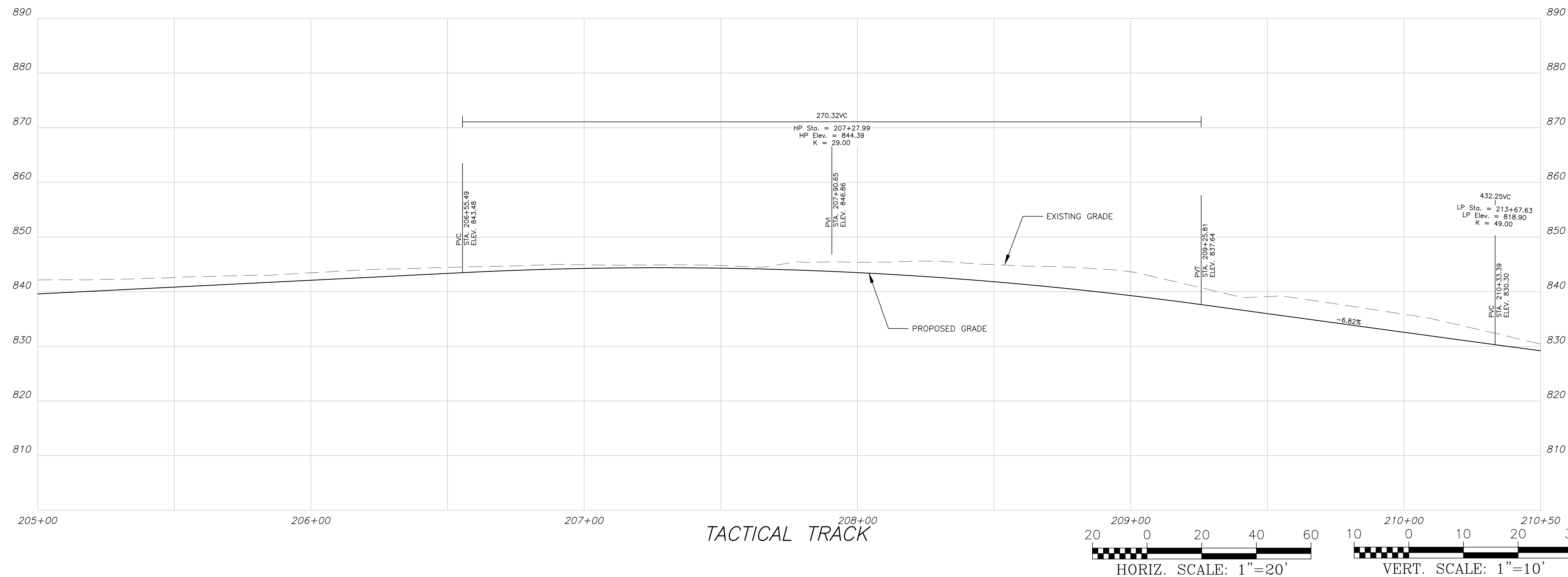
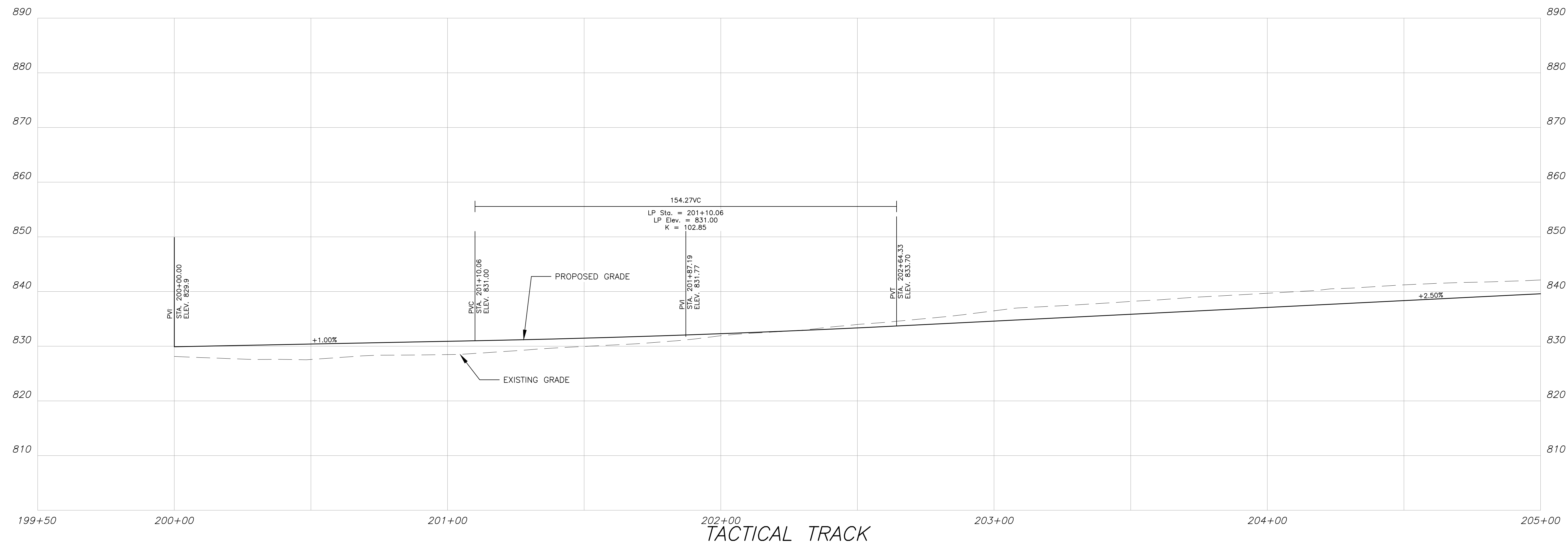
SHEET TITLE

SITE AND UTILITY PLAN

PROJECT NUMBER
1866.033
DRAWING NUMBER

C-203  
SHEET 6 of 31





200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413  
MARIETTA, GA 30062  
PHONE: (770) 971-5407 FAX: (770) 971-0620

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Plot Scale: 1"=20', Drawing Rotation: ###°, Plot Style: Design.ctb, Plotted by: Maeghan Rockmore on 9/15/2022, 2:00 PM

## FAYETTE COUNTY SHERIFF

# VEHICLE TACTICAL TRAINING FACILITY

LAND LOT(S) 172  
OF THE 5TH DISTRICT, 5TH SECTION  
FAYETTE COUNTY, GEORGIA

[illegible]

SEAL



GSWCC CERT #78081

SHEET TITLE  
ROADWAY PROFILE

DRAWN BY  
ORG  
SCALE  
1"=20'

CHECKED BY	SMM
ISSUE DATE	4/01/2022

PROJECT NUMBER	1866.033
DRAWING NUMBER	

DRAWING NUMBER

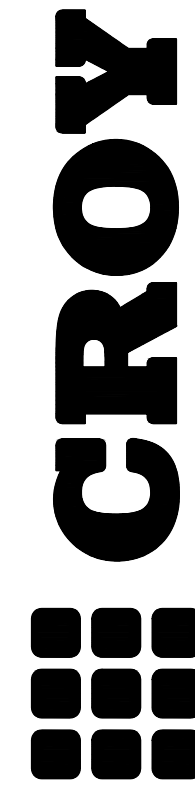
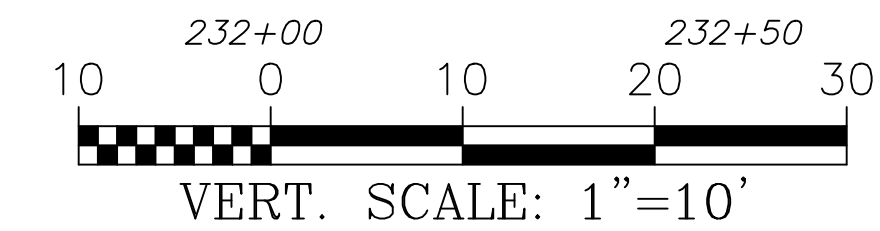
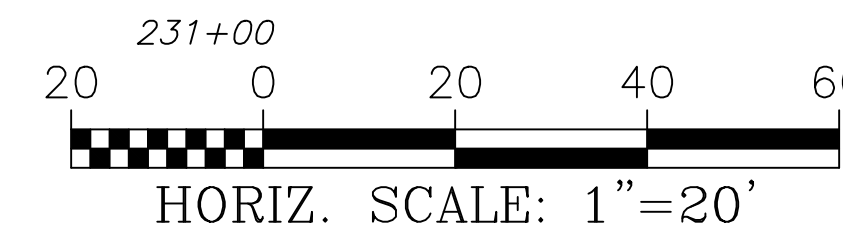
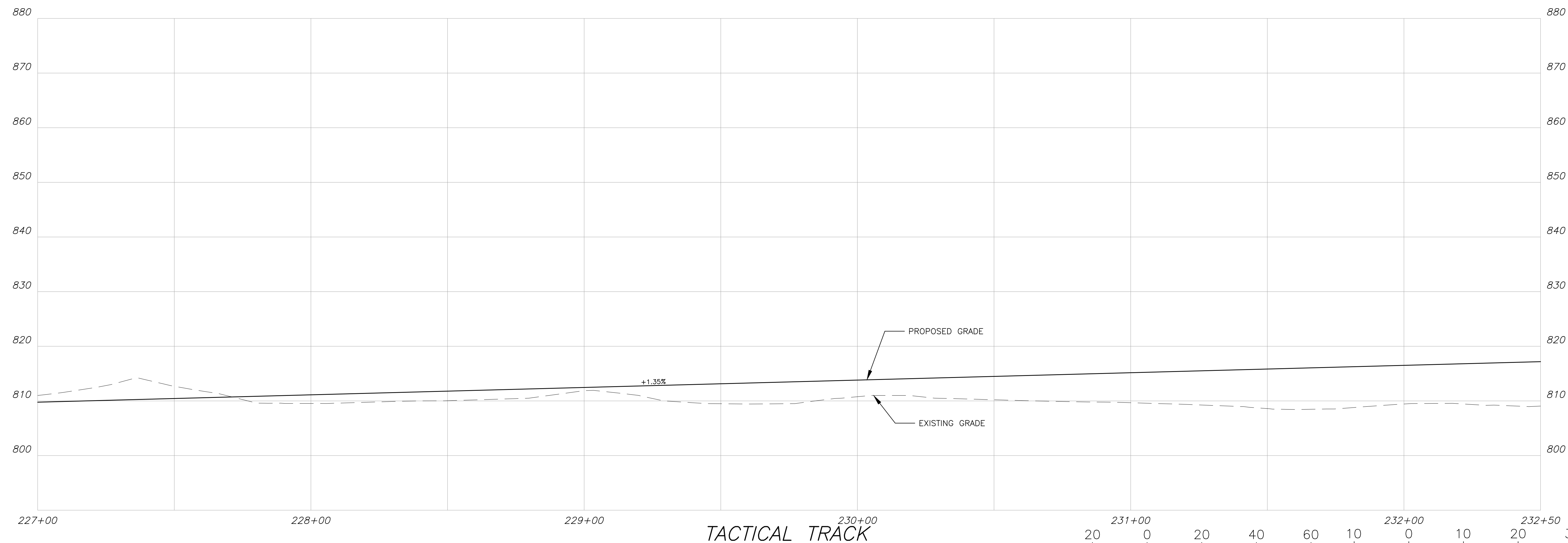
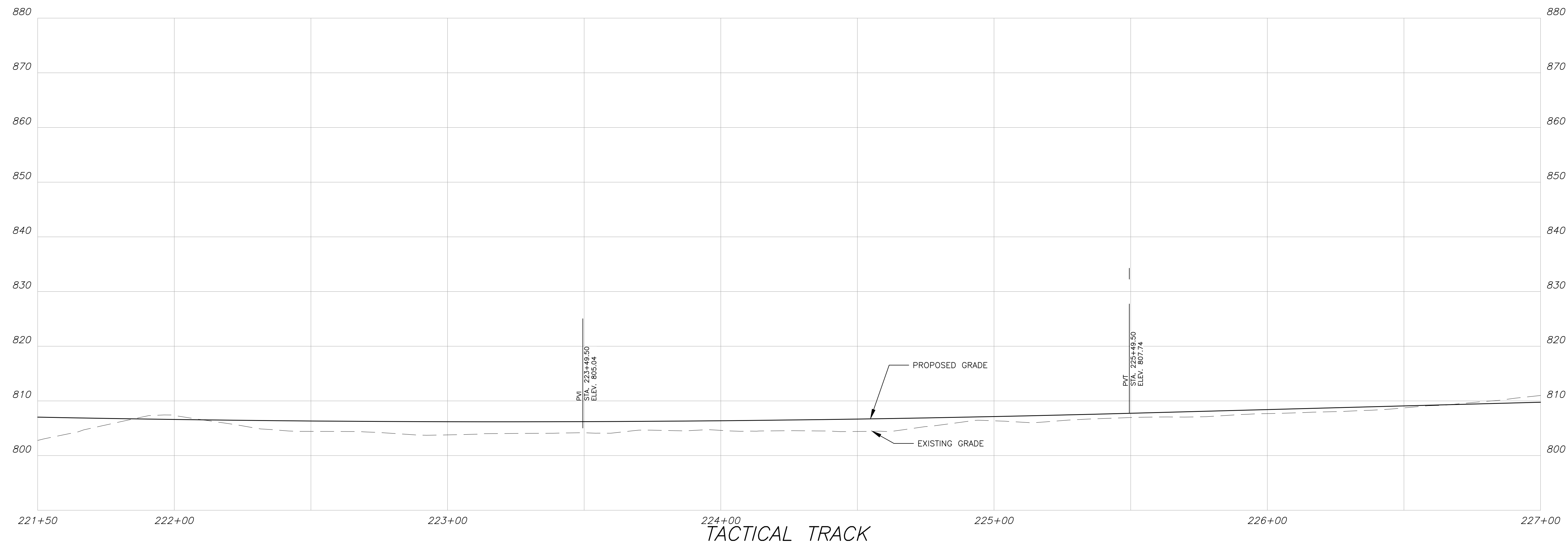
C-204

SHEET 7 of 31









200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413  
MARIETTA, GA 30062  
PHONE: (770) 971-5407 FAX: (770) 971-0620

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Plot Scale: 1"=20'. Drawing Rotation: #####. Plot Style: Design.ctb. Plotted By: Maechan Rockmore on 9/15/2022, 2:00 PM

## FAYETTE COUNTY SHERIFF

# VEHICLE TACTICAL TRAINING FACILITY

LAND LOT(S) 172  
OF THE 5TH DISTRICT, 5TH SECTION  
FAYETTE COUNTY, GEORGIA

No.	REVISION REFERENCE	DATE

SEAL



GSWCC CERT #78081

SHEET TITLE  
ROADWAY PROFILE

DRAWN BY  
ORG

CHECKED BY  
SMM

SCALE  
1"=20'

ISSUE DATE	04/01/2022
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PROJECT NUMBER  
1866.033

DRAWING NUMBER

C-206  
SHEET 9 of 31

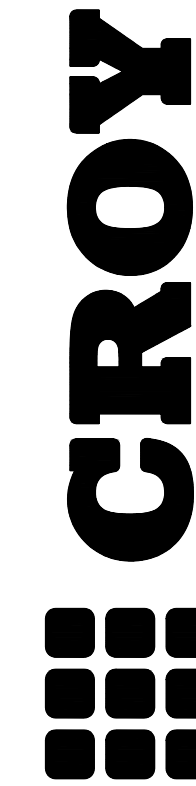
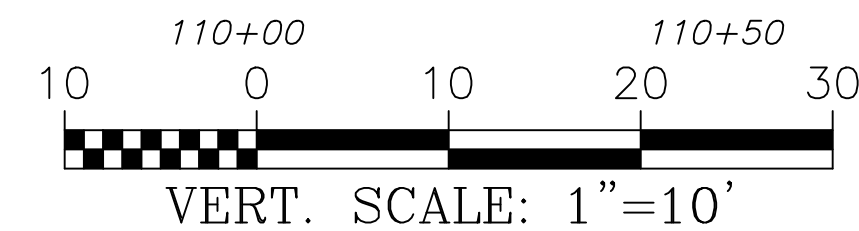
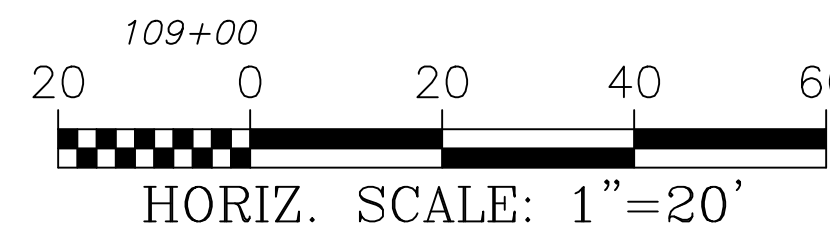
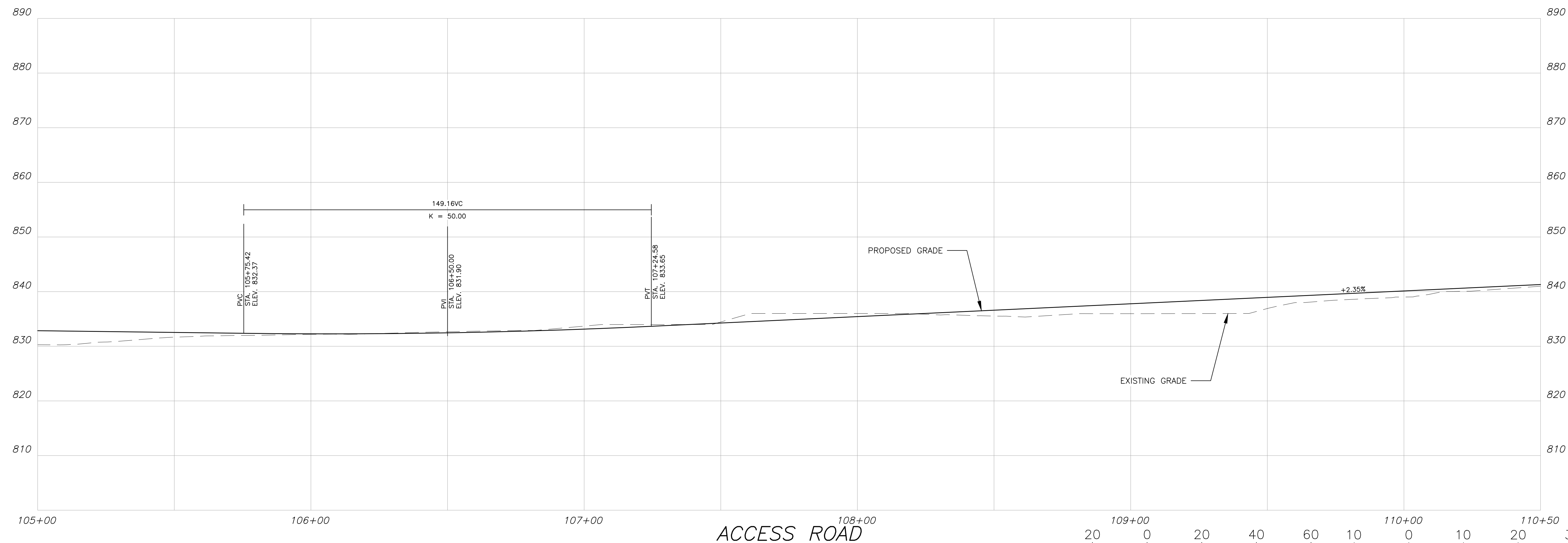
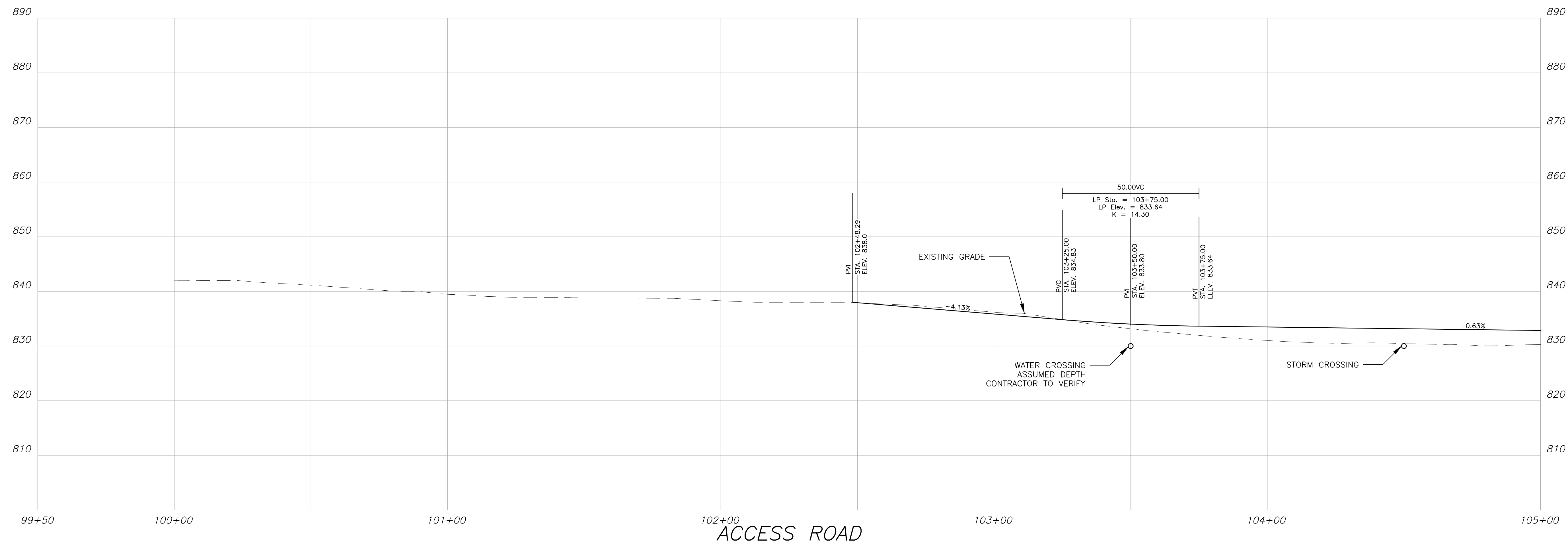












200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413  
MARIETTA, GA 30062  
PHONE: (770) 874-5407 FAX: (770) 874-0620

PHONE: (770) 971-3407 FAX: (770) 971-0620

Plot Scale: 1" = 20'      Drawing Rotation: #####      Plot Style: Dession.ctb      Plotted By: Maschan Rockmore on 01/15/2022 2:01 PM

## FAYETTE COUNTY SHERIFF

# VEHICLE TACTICAL TRAINING FACILITY

LAND LOT(S) 172  
OF THE 5TH DISTRICT, 5TH SECTION  
FAYETTE COUNTY, GEORGIA

NO.	REVISION REFERENCE	DATE

SEAR



GSWCC CERT #78081

SHEET TITLE  
ROADWAY PROFILE

DRAWN BY  
ORG

CHECKED BY	
SMM	

SCALE  
1"=20'

ISSUE DATE	04/01/2022
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PROJECT NUMBER	1866.033
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DRAWING NUMBER

C-209  
SHEET 12 of 31





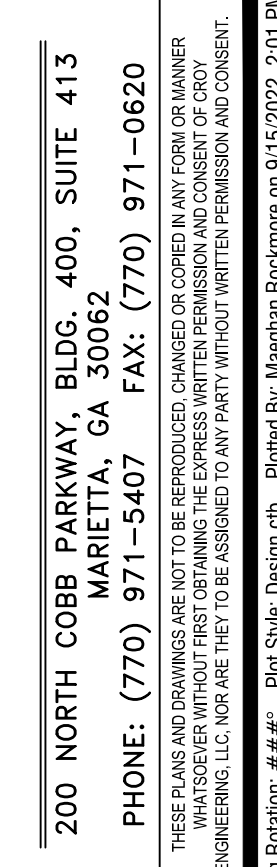




TYPICAL SECTION #2  
TACTICAL TRAINING TRACK  
STA. 200+00.00 TO STA. 250+00.76



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



**ISSUED FOR CONSTRUCTION**

SEAL

	count
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PROJECT NUMBER	1866.033
DRAWING NUMBER	

C-211  
SHEET 14 of 31







This topographic map depicts a wetland area with various features and elevation markers. Key elements include:

- Contours and Elevation:** Contour lines are labeled with elevations such as 820, 825, 830, 835, 840, 845, and 850. Specific spot elevations are marked, including 815, 816, 817, 818, 819, 828, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.
- Water Features:** A "GRASS CHANNEL" is labeled in the upper right. A "DRAINAGE SWALE" is labeled in the lower right. A "VIEWING TOWER" is indicated by a small square symbol in the lower right.
- Infrastructure:** "HEWELL ROAD (PUBLIC OR R/W)" is labeled along the bottom edge. A "BYPASS SWALE" is labeled in the upper left.
- Other Features:** A "VIEWING TOWER" is indicated by a small square symbol in the lower right. A "VIEWING TOWER" is indicated by a small square symbol in the lower right.

SEE SHEET C-303

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

50 0 50 100 150  
SCALE IN FEET



SHEET TITLE

## GRADING AND DRAINAGE PLAN

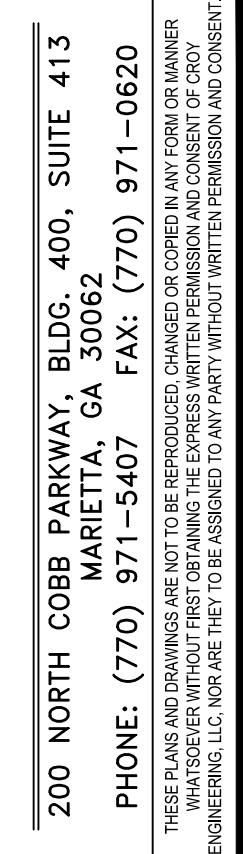
DRAWN BY ORG	CHECKED BY SMM
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SCALE 1"=50'	ISSUE DATE 04/01/20
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PROJECT NUMBER	1866.033
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DRAWING NUMBER

C-301



ISSUED FOR CONSTRUCTION

Drawing Location: P:\Marietta\1866 Fayette County Sheriff Vehicle Tactical Training Track\Engineering\Design\1866-033 Design.dwg



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

SCALE IN FEET

50 0 50 100 150

NORTH

MATCHLINE

VIEWING TOWER

GRASS CHANNEL

DRAINAGE SWALE

100' GA POWER EASEMENT

ST B1

ST B2

ST B3

ST B4

ST B5

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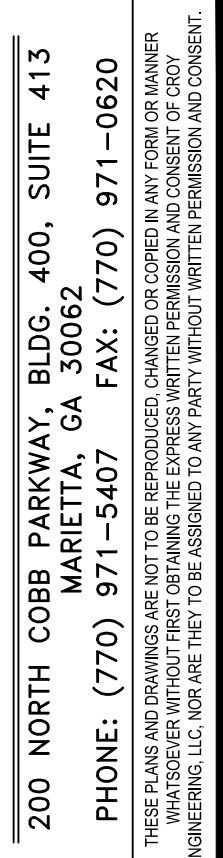
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# VEHICLE TACTICAL TRAINING FACILITY

LAND LOT(S) 172  
OF THE 5TH DISTRICT, 5TH SECTION  
FAYETTE COUNTY, GEORGIA

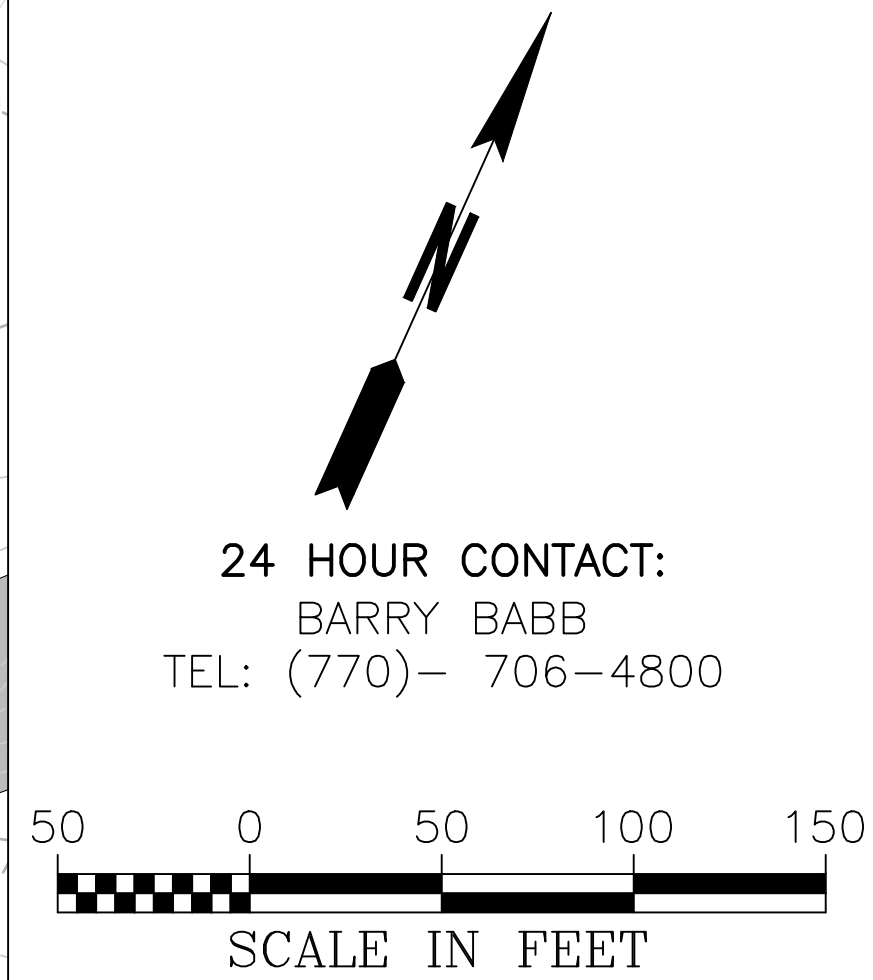
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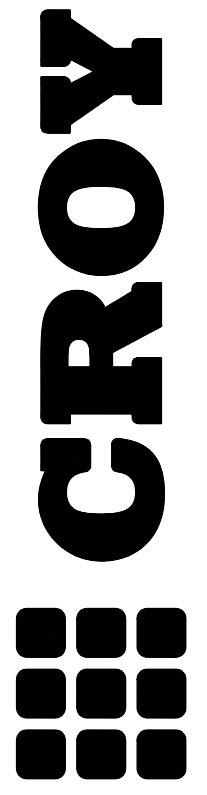
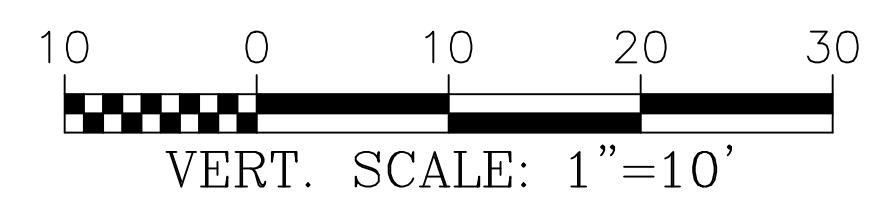
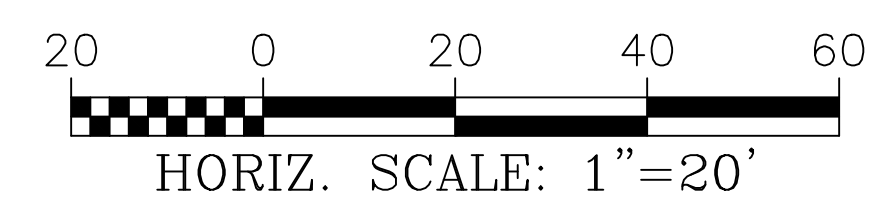
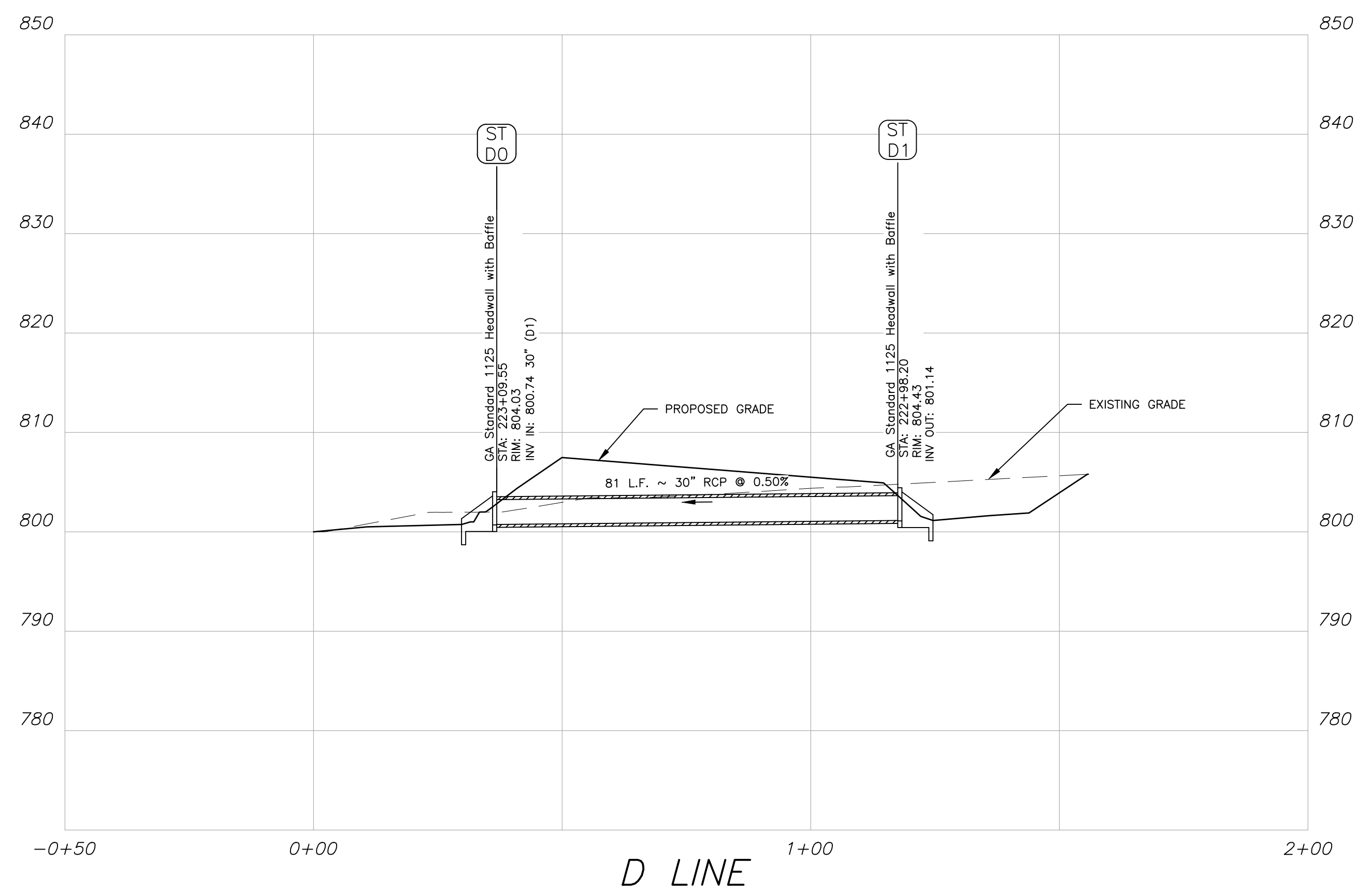
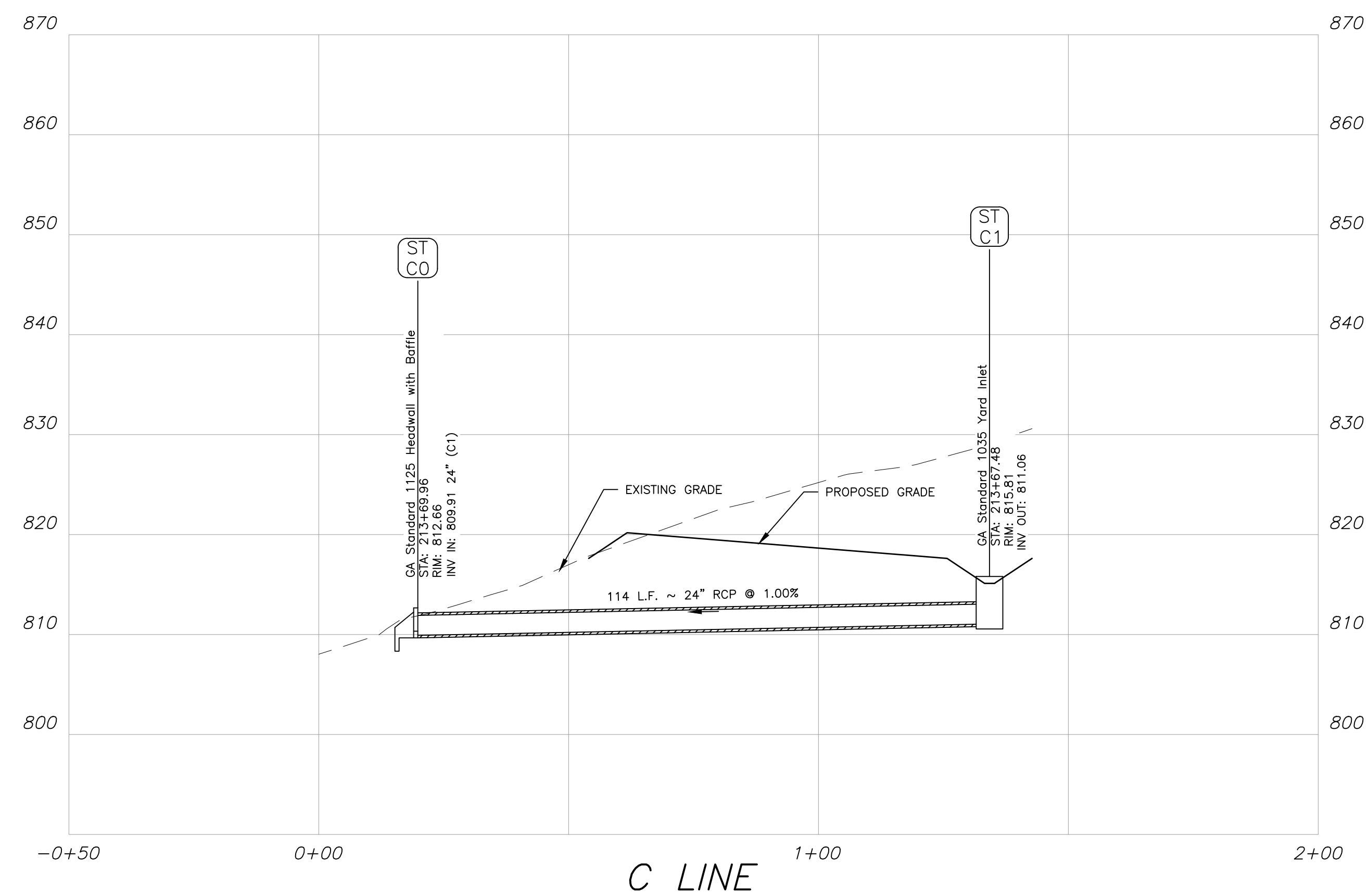
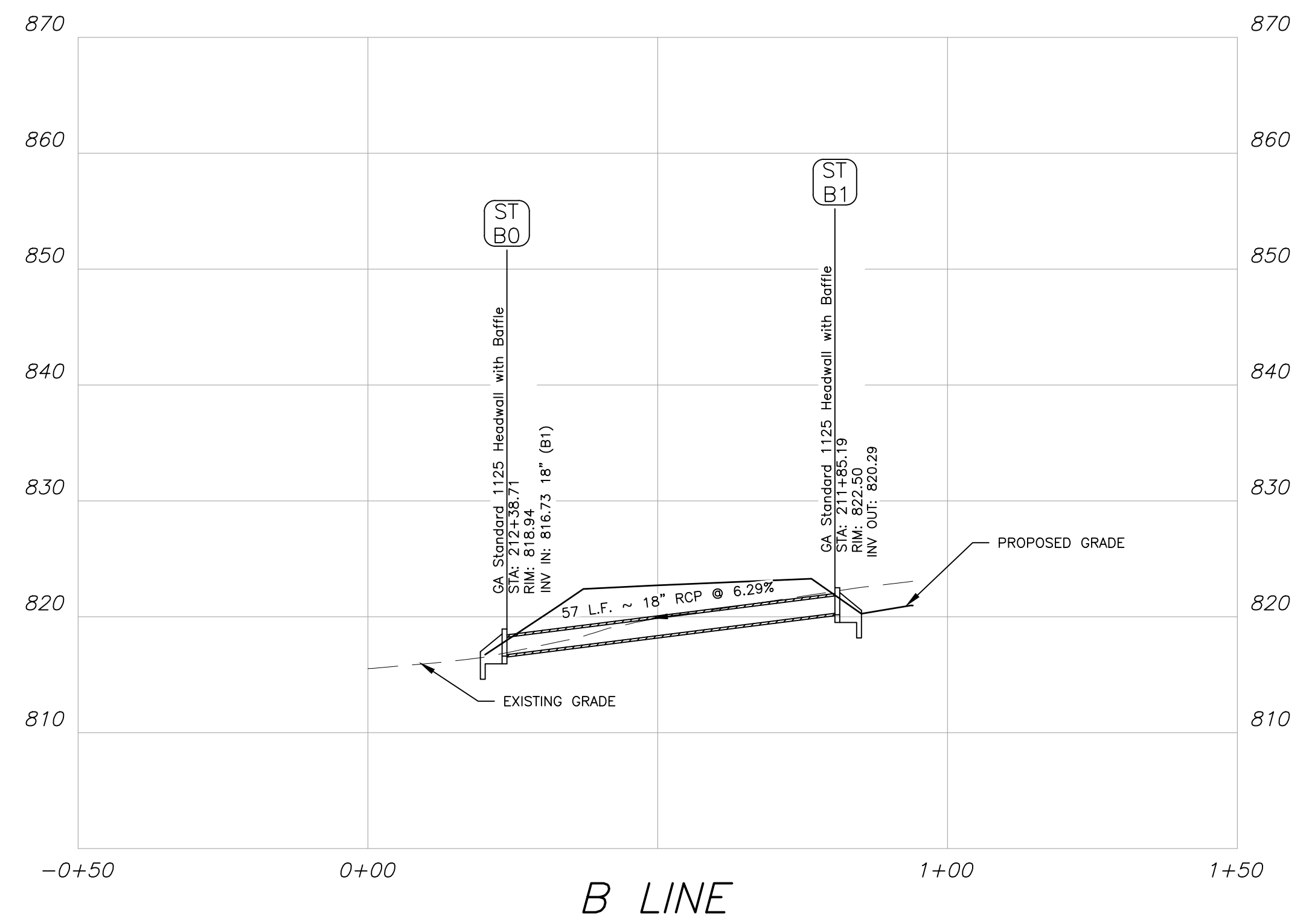
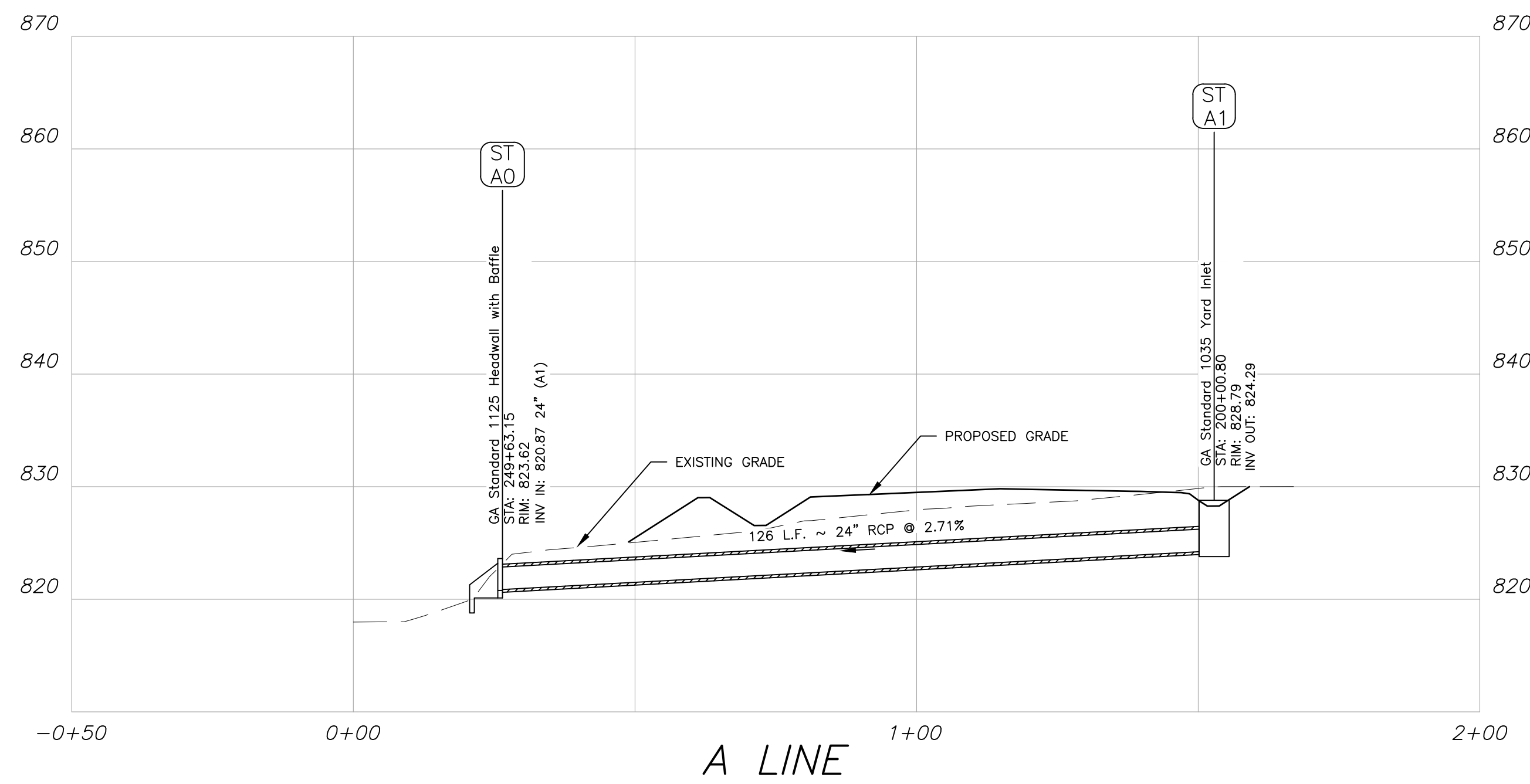
SHEET TITLE  
GRADING AND  
DRAINAGE PLAN

PROJECT NUMBER	1866.033
DRAWING NUMBER	

C-302  
SHEET 17 of 31







200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413  
MARIETTA, GA 30062  
PHONE: (770) 971-5407 FAX: (770) 971-0620

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## FAYETTE COUNTY SHERIFF

# VEHICLE TACTICAL TRAINING FACILITY

LAND LOT(S) 172  
OF THE 5TH DISTRICT, 5TH SECTION  
FAYETTE COUNTY, GEORGIA

**ISSUED FOR CONSTRUCTION**


966-033 - Design dun.

SEAL



GSWCC CERT #78081

SHEET TITLE  
STORM PROFILES

DRAWN BY <b>ORG</b>	CHECKED BY <b>SMM</b>
SCALE <b>AS SHOWN</b>	ISSUE DATE <b>04/01/2022</b>

PROJECT NUMBER	1866.033
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DRAWING NUMBER

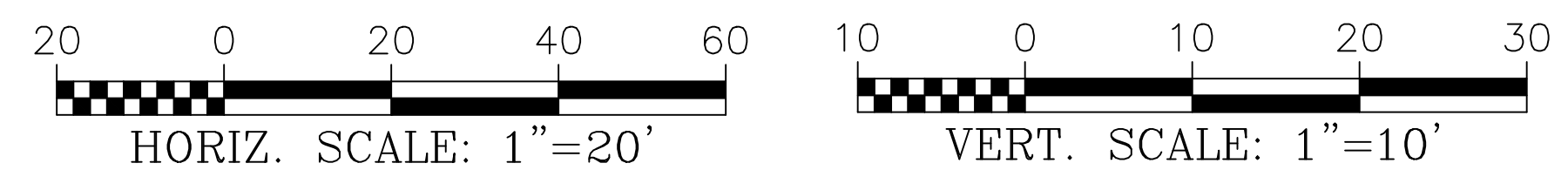
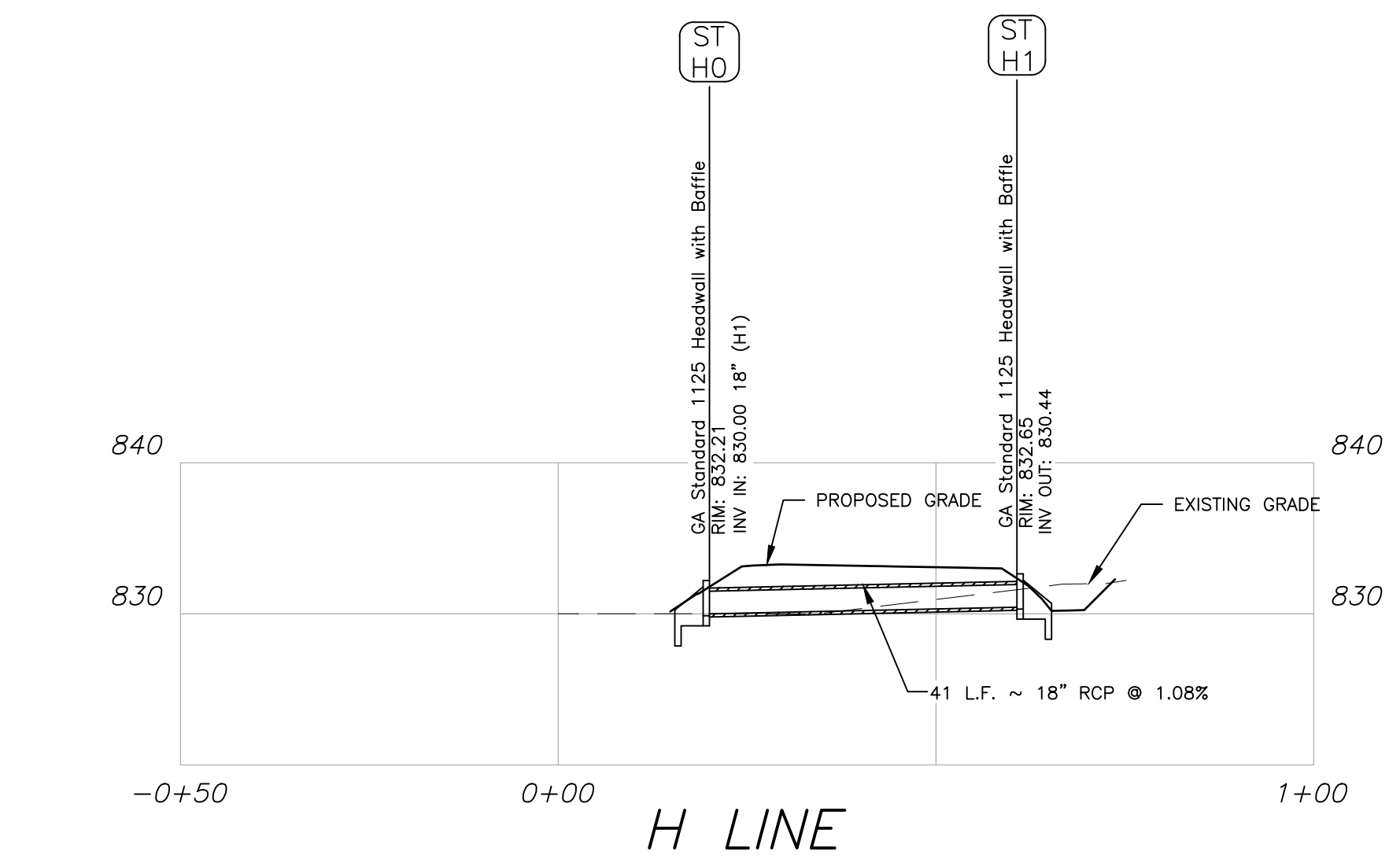
C-400

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200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413  
MARIETTA, GA 30062  
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FAYETTE COUNTY SHERIFF  
VEHICLE TACTICAL TRAINING FACILITY  
LAND LOT(S) 172  
OF THE 5TH DISTRICT, 5TH SECTION  
FAYETTE COUNTY, GEORGIA

**ISSUED FOR CONSTRUCTION**

NO.	REVISION REFERENCE	DATE

DRAWN BY ORG	CHECKED BY SMM
SCALE AS SHOWN	ISSUE DATE 04/01/2022

C-402

SHEET 20 of 31

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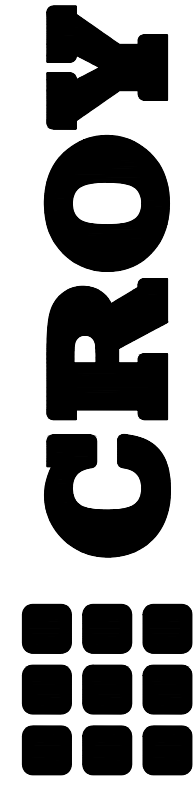












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MARIETTA, GA 30062  
PHONE: (770) 971-5407 FAX: (770) 971-0820  
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# FAYETTE COUNTY SHERIFF

## VEHICLE TACTICAL TRAINING FACILITY

LAND LOT(S) 172  
OF THE 5TH DISTRICT, 5TH SECTION  
FAYETTE COUNTY, GEORGIA

### ISSUED FOR CONSTRUCTION

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Room: 01/15/2022 2:02 PM

NO. REVISION REFERENCE DATE

SEAL



GSWCC CERT #78081

SHEET TITLE  
CONSTRUCTION  
DETAILS

DRAWN BY  
ORG  
SCALE  
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CHECKED BY  
SMM  
ISSUE DATE  
04/01/2022

PROJECT NUMBER  
1866.033  
DRAWING NUMBER

C-501  
SHEET 24 of 31

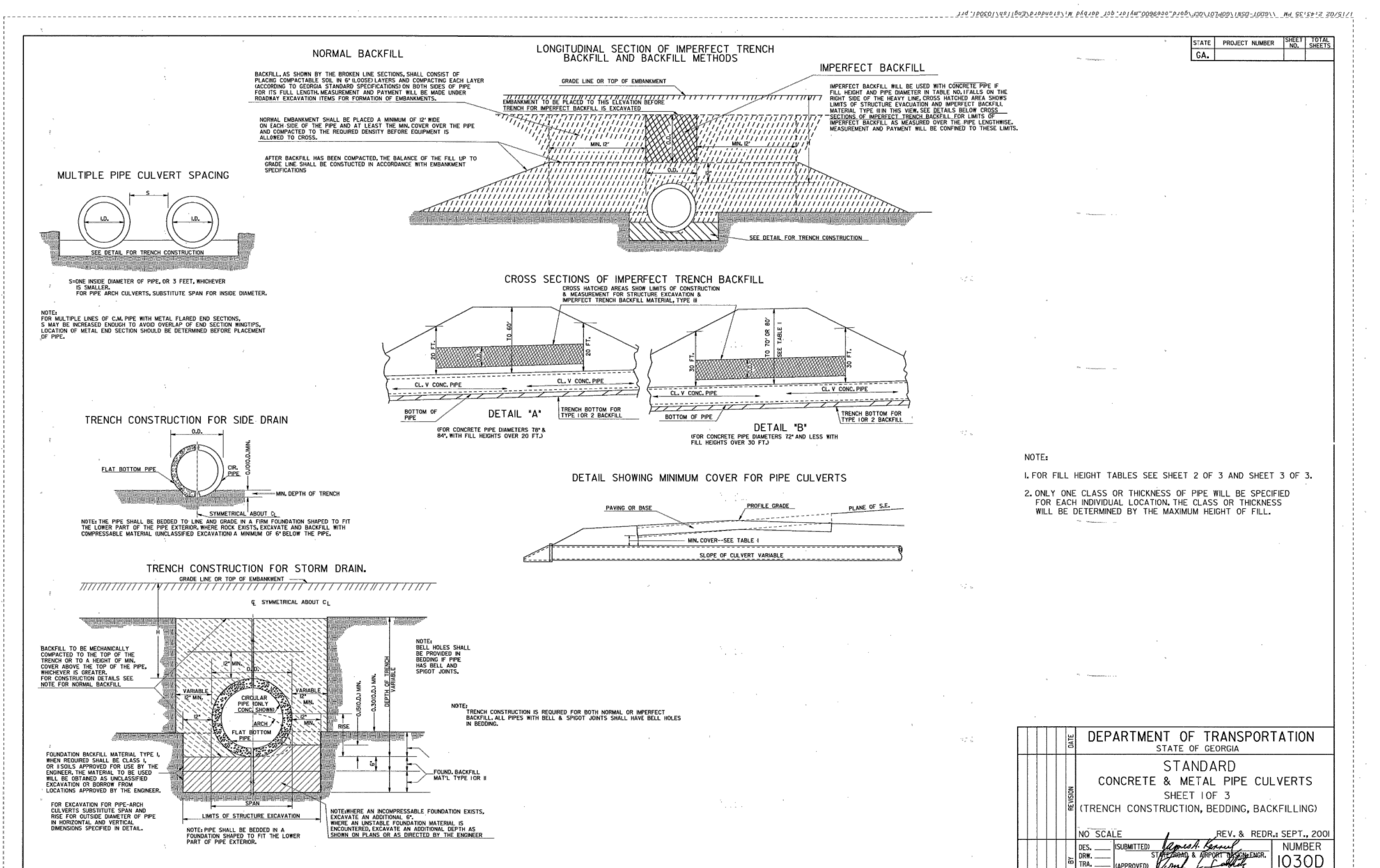
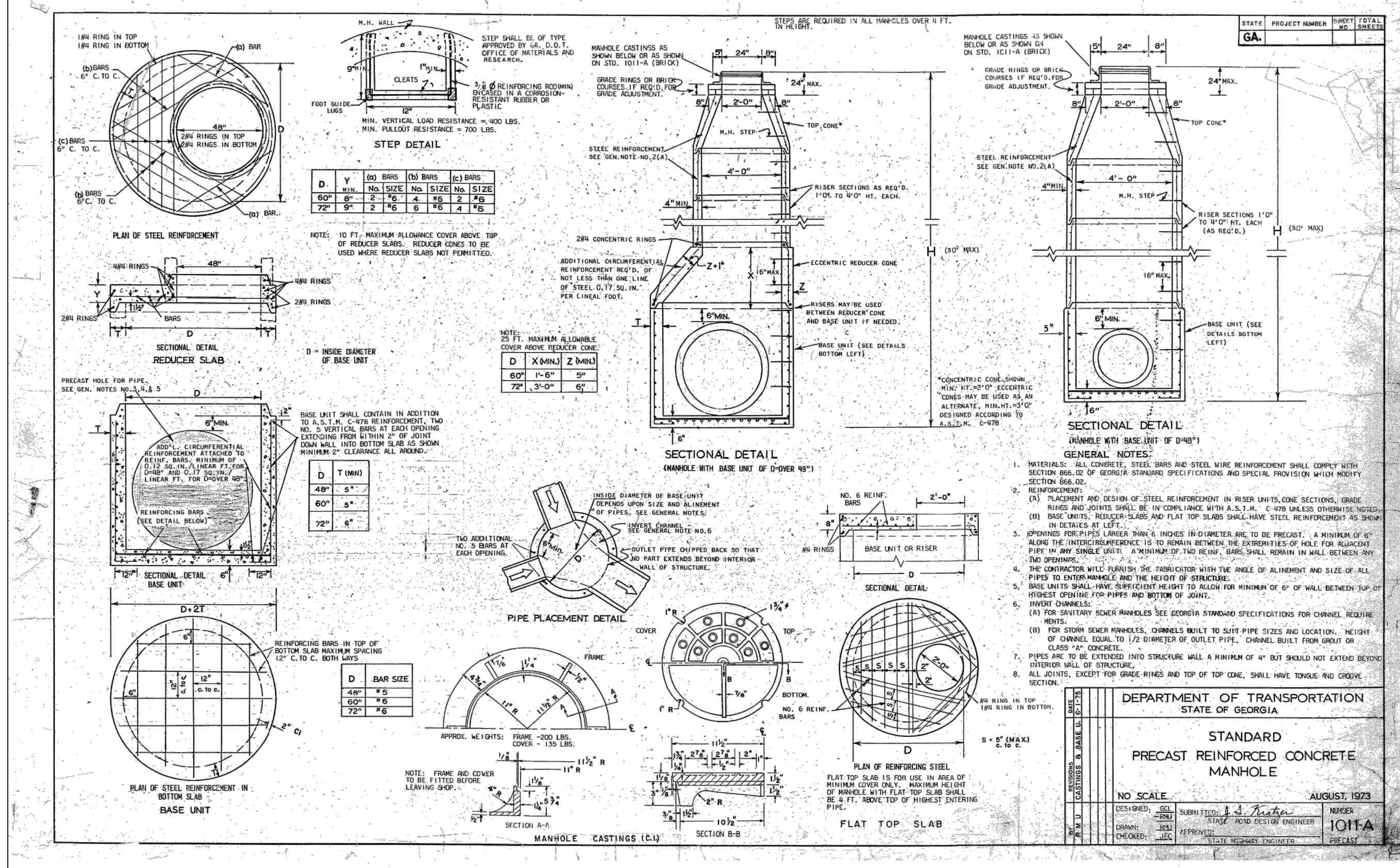


TABLE NO. 1 ROUNDFILL - CONCRETE - CORRUGATED STEEL - CORRUGATED ALUMINUM																					
		MINIMUM CLASS OF CONCRETE OR MINIMUM THICKNESS OF STEEL AND ALUMINUM																			
PIPE DIAMETER (INCHES)	TYPE	MINIMUM COVER (INCHES)	HEIGHT OF FILL IN FEET ABOVE TOP OF PIPE																		PIPE DIAMETER (INCHES)
			1-10	10-15	15-20	20-25	25-30	30-35	35-40	40-50	50-60	60-70	70-80	80-90	90-100	100-110	110-120	120-130			
12	CONCRETE	12	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	12	
	STEEL	12	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	12	
	ALUM	12	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	12	
15	CONCRETE	15	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	15	
	STEEL	15	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	15	
	ALUM	15	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	15	
18	CONCRETE	18	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	18	
	STEEL	18	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	18	
	ALUM	18	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	18	
24	CONCRETE	24	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	24	
	STEEL	24	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	24	
	ALUM	24	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	24	
30	CONCRETE	30	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	30	
	STEEL	30	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	30	
	ALUM	30	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	30	
36	CONCRETE	36	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	36	
	STEEL	36	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	36	
	ALUM	36	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	36	
42	CONCRETE	42	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	42	
	STEEL	42	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	42	
	ALUM	42	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	42	
48	CONCRETE	48	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	48	
	STEEL	48	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	48	
	ALUM	48	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	48	
54	CONCRETE	54	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	54	
	STEEL	54	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	54	
	ALUM	54	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	54	
60	CONCRETE	60	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	60	
	STEEL	60	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	60	
	ALUM	60	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	60	
66	CONCRETE	66	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	66	
	STEEL	66	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	66	
	ALUM	66	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	66	
72	CONCRETE	72	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	72	
	STEEL	72	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	72	
	ALUM	72	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	72	
78	CONCRETE	78	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	78	
	STEEL	78	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	78	
	ALUM	78	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	78	
84	CONCRETE	84	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	84	
	STEEL	84	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	84	
	ALUM	84	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	84	
90	CONCRETE	90	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	90	
	STEEL	90	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	90	
	ALUM	90	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	90	
96	CONCRETE	96	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	96	
	STEEL	96	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	96	
	ALUM	96	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	96	
102	CONCRETE	102	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	102	
	STEEL	102	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	102	
	ALUM	102	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	102	
108	CONCRETE	108	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	108	
	STEEL	108	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	108	
	ALUM	108	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	108	
114	CONCRETE	114	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	114	
	STEEL	114	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	114	
	ALUM	114	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	114	
120	CONCRETE	120	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	120	
	STEEL	120	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	120	
	ALUM	120	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	120	



CROY ENGINEERING PROJECT NO. 1866.033  
MAY, 2022



## FEMA STATEMENT

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 SEPTEMBER 26, 2008.



Map Unit Symbol	Map Unit Name	Acre in AOI	Percent of AOI
AlA	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%
CeB	Cecil sandy loam, 2 to 6 percent slopes	4.2	6.5%
PaE	Pascolet 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%
<b>Totals for Area of Interest</b>		<b>65.1</b>	<b>100.0%</b>



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

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST			
STAND ALONE CONSTRUCTION PROJECTS			
SWDC: FAYETTE		Address: 340 Hewell Rd	
City/County: Fayette		Date on Plans:	
Project Name: EASTTLE COUNTY SHEEP VEHICLE TRACKING TRAINING TRACK			
Name & email of person filling out checklist: SCOTT MCNALLY;SMCNALLY@CROVING.COM			
Page #	Y/N	TO BE SHOWN ON ES&P PLAN	
ER-000	Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of the January 1 <sup>st</sup> of the year in which the land disturbance activity was permitted. (The completed Checklist must be submitted with the ES&P Plan or the Plan will not be reviewed)	
ER-000	Y	2 Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&P plan or the Plan will not be reviewed)	
N/A	N/A	3 Limits of disturbance shall be no greater than 50 acres at any one time without prior authorization from the GAEPD District Office. If GAEPD approves the request to disturb 50 acres or more at any one time, the Plan must include at least 4 of the BMPs listed in Appendix A of this checklist and the GAEPD approval letter. (A copy of the written approval by GAEPD must be attached to the plan for the Plan to be reviewed.)	
ER-100	Y	4 The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution control.	
ER-100	Y	5 Provide the name, address, email address, and phone number of primary permittee.	
ER-200	Y	6 Note total and disturbed acreages of the project or phase under construction.	
ER-200	Y	7 Provide the GPS location of the construction activity site. Give the Latitude and Longitude in decimal degrees.	
ER-100	Y	8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.	
ER-100	Y	9 Description of the nature of construction activity and existing site conditions.	
ER-100	Y	10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.	
ER-100	Y	11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.	
ER-100	Y	12 Design professional's certification statement and signature that the site was visited prior to development of the ES&P Plan as stated on Part IV page 19 of the permit.	
ER-100	Y	13 Design professional's certification statement and signature that the permittee's ES&P Plan provides for an appropriate and comprehensive erosion control and sediment control plan as required by the regulations as stated on Part IV page 19 of the permit.	
ER-100	Y	14 Clearly note the statement that "The design professional who prepared the ES&P Plan is in respect to the installation of the initial sediment/strorage requirements and perimeter control BMPs within 7 days after installation." in accordance with Part IV A.5 page 25 of the permit.	
ER-100	Y	15 Clearly note the statement that "Non-exempt activities that shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of unseal vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without acquiring the necessary variances and permits."	
N/A	N/A	16 Provide a description of any buffer encroachment and indicate whether a buffer variance is required.	
N/A	N/A	17 Clearly note the statement that "Amendments/revisions to the ES&P Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."	
N/A	N/A	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit."	
ER-100	Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."	
ER-100	Y	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or "treat the sediment source."	
ER-100	Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."	
ER-000	Y	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of the BSA Impaired Stream Segment must comply with Part III C. of the permit. Include the completed Appendix F listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.	
ER-100	Y	23 If a TMDL Implementation Plan has been adopted for the Impaired Stream Segment (identified in Item 22 above), at least six months prior to submittal of NOI, the ES&P Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.	
ER-100	Y	24 BMPs for concrete washouts of bowls, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.	
ER-100	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.	
ER-100	Y	26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.	
ER-100	Y	27 Description of practices to provide cover for building materials and building products on site.	
ER-100	Y	28 Description of the practices that will be used to reduce the pollutants in storm water discharge.	
ER-100	Y	29 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment grass BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).	
ER-100	Y	30 Provide complete requirements of Inspections and record keeping by the primary permittee.	
ER-300	Y	31 Provide complete requirements of Sampling Frequency and Reporting of sampling results.	
HYDRO	HYDRO	32 Provide complete details for Retention of Records as per Part IV F. of the permit.	
HYDRO	HYDRO	33 Description of analytical methods to be used to collect and analyze the samples from each location.	
ER-100	Y	Appendix B rationale for NTU values at all outfall sampling points where applicable.	
ER-100	Y	34 Delinate all sediment basins, perennial and intermittent streams and other water bodies into which stormwater is discharged.	
ER-100	Y	35 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment/strorage requirements and perimeter control BMPs; (2) intermediate grading drainage BMPs; and (3) final BMPs. For construction sites where there will be no mass grading and the final perimeter BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase.	
ER-000	Y	37 Graphic scale and North arrow.	
ER-300 & ER-400	Y	38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:	
		Map Scale	Ground Slope
1 inch = 100 feet	Flat - 2%	Contour Interval, ft	0.5 or 1'
larger slope	Rolling 2 - 8%		1 or 2'
	Steep 8% +		2.5 or 10'
ER-300	Y	39 Use of alternative BMPs whose performance has been documented to be equivalent or superior to conventional BMPs as certified by a Design Professional (uninspired by GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at <a href="http://www.gawc-georgia.gov">www.gawc-georgia.gov</a> .	
N/A	N/A	40 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A.2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.	
N/A	N/A	41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.	
N/A	N/A	42 Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.	
ER-100	Y	43 Delineation and acreage of contributing drainage basins on the project site.	
HYDRO	HYDRO	44 Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.	
HYDRO	HYDRO	45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities.	
N/A	N/A	46 Storm drain pipe and wet velocities with appropriate outfall protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.	
ER-000 & ER-100	Y	47 Soil series for the project site and their delineation.	
ER-200 & ER-300	Y	48 The limits of disturbance for each phase of construction.	
ER-300	Y	49 Provide a minimum of 60 cubic yards of sediment storage per acre drained using a temporary sediment basin, a refilled detention pond, and/or equivalent storage 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 basin has been achieved. A written justification explaining the design is due equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not attainable. Worksheets from the Manual included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage using equivalent controls. When discharging from sediment basins and impoundments, perimeters are required to utilize outlet structures that withdraw water from the surface, unless impractical. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining the design must be included in the Plan.	
ER-300 & ER-400	Y	50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion & Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.	
ER-500	Y	51 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.	

FAYETTE COUNTY SHERIFF

# VEHICLE TACTICAL TRAINING FACILITY

LAND LOT(S) 172  
OF THE 5TH DISTRICT, 5TH SECTION  
FAYETTE COUNTY, GEORGIA

**ISSUED FOR CONSTRUCTION**

Plot Scale: 1" = #'-#". Drawing Rotation: 0.0°. Plot Style: Design.ctb. Plotted By: Maedhan Rockmore on 9/15/2022. 2:02 PM

Drawing Location: p:\Marietta\1866 favette countv sheriff vehicle tactical training track\engineering\Design\1866 033 Cover. Notes & Details.dwg



## ES&PCP GENERAL NOTES

1. THE APPLICABLE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN CHECKLIST IS LOCATED ON ER-000.
2. LEVEL II CERTIFICATION NUMBER ISSUED BY THE COMMISSION, SIGNATURE, AND SEAL OF THE CERTIFIED DESIGN PROFESSIONAL IS LOCATED ON ER-000.
3. LIMITS OF DISTURBANCE SHALL BE NO GREATER THAN 50 ACRES AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE EPO DISTRICT OFFICE. IF EPO 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 BABBS  
PHONE: (770)-706-4800
5. PRIMARY PERMITTEE CONTACT INFORMATION:  
NAME: BARRY BABBS  
PHONE: (770)-706-4800
6. TOTAL SITE AREA = 51 AC  
TOTAL DISTURBED AREA = 30.53 AC
7. THE GPS LOCATION OF THE CONSTRUCTION EXIT FOR THE SITE IS LOCATED ON 33.478478°N, 84.390958°W.
8. INITIAL DATE OF THE PLAN:  
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 SURROUNDINGS AREAS IS LOCATED ON ER-000, SURROUNDED BY UNDEVELOPED OPEN SPACE.
11. THE RECEIVING WATERS FROM THIS CONSTRUCTION PLAN IS FLINT RIVER WHICH IS APART OF THE GREATER FLINT WATERSHED BASIN.

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."

SIGNATURE:  DATE: 10/10/22

13. "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, PROVIDED FOR THE SAMPLING OF RECEIVING WATERS (S) OR THE SAMPLING OF THE STORMWATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NOTES PERMIT NO. GSWC0001."

SIGNATURE:  DATE: 10/10/22

14. THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERMITTER CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION, IN ACCORDANCE WITH PART 16-A.5 PAGE 25 OF THIS PERMIT.
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.
16. PROVIDE A DESCRIPTION OF ANY BUFFER ENCROACHMENTS AND INDICATE WHETHER A BUFFER VARIANCE IS REQUIRED. NO BUFFER VARIANCE IS REQUIRED.
17. 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.
20. 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.
21. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
22. ANY CONSTRUCTION ACTIVITY WHICH DISCHARGES STORM WATER INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF AN BIOTA IMPAIRED STREAM SEGMENT MUST COMPLY WITH PART III C. OF THE PERMIT. 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.

### 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 - LOCAL 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 SHOULDER, FOR A WASH-PIT. THE PIT SHALL BE LARGE ENOUGH TO STORE ALL WASH-DOWN WATER WITHOUT OVERFLOWING 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 ENGINEER.

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 IN 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 AROUND THE FILL OF EMBANKMENTS OR SLOPES. THE J-HOOKS AND SPURS SHALL BE SPACED IN ACCORDANCE WITH THE TYPICAL LOCATION DETAILS FOR SILT FENCES / BALED STORM SPACING. (1) THE STORM 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 10 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.

### SPILL CLEANUP AND CONTROL PRACTICES

1. LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE AVAILABLE TO SITE PERSONNEL.
2. 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.
3. SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
4. 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.
6. FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
7. FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS OCCUR, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.
8. FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS OCCUR, THE SILT FENCE 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 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY OIL-FREEZ 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 INFO. OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT.

### POST-CONSTRUCTION BMPs

ALL PERMANENT, POST-CONSTRUCTION BMPs ARE SHOWN IN THE CONSTRUCTION PLANS AND IN THE ES&PC PLAN. THE POST-CONSTRUCTION BMPs FOR THIS PROJECT CONSISTS OF TEMPORARY SEEDING, PERMANENT MULCHING, DOUBLE ROW OF SILT FENCE WITH STORM 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 EPO PLAN MUST 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 EROSION AND SEDIMENT CONTROL IN GEORGIA".

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. MANIPULATION 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 POSSES LITTLE RISK TO STORMWATER CONTAMINATION (SUCH AS FINAL PRODUCTS AND MATERIALS INTENDED FOR OUTDOOR USES).

### PETROLEUM BASED PRODUCTS

1. 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 LAYER 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 AS REQUIRED BY LOCAL AND STATE REGULATIONS. PAINTS/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 DISPOSAL OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
2. CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASHOUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE.
3. 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 GSWC: MANUAL FOR EROSION AND SEDIMENTATION CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.
4. BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSAL OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSAL OF IN PROPER WASTE DISPOSAL PROCEDURES.

### WASTE DISPOSAL

LOCATE WASTE COLLECTION AREAS AWAY FROM STREETS, CULVERTS, 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 CONTAMINATION DISCHARGES. SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL NOT BE DISCHARGED TO MASTERS 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 BMPs ARE USED TO REDUCE THE AMOUNT OF SEDIMENT RUNNING OFF SITE, INCLUDING SLOPE STABILIZATION, CHECK DAM, RETENTION, 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

CONSTRUCTION ACTIVITY	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
INITIAL CONSTRUCTION DIT								
NATURAL CONSTRUCTION DIT								
INITIAL SEDIMENT CONTROL								
MAINTAIN EROSION CONTROL DEVICES								
CLEARING AND GRADING								
INSTALL & MAINTAIN TEMPORARY EROSION & MULCH								
PERM LANDSCAPING & STABILIZE DIT								
CLEANUP SITE & REMOVE TEMPORARY BMPs								

### INSPECTIONS

1. EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (a) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT AT THE SITE; (b) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
2. EROSION AND SEDIMENTATION WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABILIZATION OCCUR EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY. THE DATA COLLECTED FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.
3. CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS 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 PRECIPITATIONS; 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 WATERS; 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 16.0.4.4(1). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
4. CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THE PERMIT (E.G., UNTIL A NOTICE OF TERMINATION HAS BEEN SUBMITTED) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATERS (S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS.
5. 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 (E.G., 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 16.0.4.4(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 EPO. SUCH REPORTS SHALL BE READILY AVAILABLE BY THE END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY 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 16.0.2 OF THIS PERMIT.

### SAMPLING FREQUENCY

1. THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORMWATER DISCHARGE TO A DESIGNATED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.
2. HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR IN BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE, LATER THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM OR DISCHARGE.
3. SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS:
  - A. FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT, AFTER ALL CLEARING AND GRADING 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.
  - B. IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR LATER, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, 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 FORMER PURSUANT TO (A) AND (B) ABOVE, IF BMPs IN ANY AREA OF THE

26. SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPs ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED;
- D. WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART 16.0.4.4(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED, PROVIDING THE JUSTIFICATION DOES NOT RELY ON THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE; AND
- E. EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL BE CONSIDERED IN COMPLIANCE WITH (B), THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.

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

### REPORTING

1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPO AT THE ADDRESS SHOWN IN PART 16.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, EPO MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORMWATER DISCHARGE(S) FROM THE RECEIVING WATERS (S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPO. THE SAMPLING RESULTS MUST BE SIGNED IN ACCORDANCE WITH PART 16.0.2. SAMPLING REPORTS MUST BE SUBMITTED TO EPO UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.
2. 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;
  - C. THE DATE(S) ANALYSES WERE PERFORMED;
  - D. THE TIME(S) ANALYSES WERE INITIATED;
  - E. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES;
  - F. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED;
  - G. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENTAL READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS;
  - H. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU," AND CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN.
3. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPO ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

### RETENTION OF RECORDS

1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:
  - A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPO;
  - B. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
  - C. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART 16.A.5 OF THIS PERMIT;
  - D. A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
  - E. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART 16.0.4.4 OF THIS PERMIT;
  - F. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART 16.0.2 OF THIS PERMIT; AND
  - G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART 16.0.4.4(2) OF THIS PERMIT.
2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDS FOR CONTINUOUS MONITORING INSTRUMENTATION), OR OTHER REPORTS REQUESTED BY THE EPO, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT, TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPO AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

### SAMPLING TYPE

1. ALL SAMPLING SHALL BE CONDUCTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NOTES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPO.
  - A. SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.
  - B. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
  - C. LARGE MOUTH, CLEAN AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.
  - D. 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 AUTOMATIC 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 TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.
5. SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPO AS SPECIFIED IN PART VI.E.

### SAMPLING POINTS

1. FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATERS (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 MINIMUM GUIDELINES:
  - 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 (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORMWATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.
  - B. THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORMWATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.
  - C. IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM OUTFALL CHANNEL(S).
  - D. CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORMWATER CHANNEL.
  - E. THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.
  - F. THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.
  - G. PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS CONSTRUCTION, STABILIZED SHALL MEAN, FOR UNIMPAIRED AREAS, AREAS THAT ARE NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPO FOR WASTE DISPOSAL. 100% OF THE SOIL SURFACE IS UNIFORM COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 10% OR GREATER, OR LANDSCAPED ACCORDING TO THE PLAN (UNIFORM 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 16.0.3 OR 16.0.4, WHICHEVER IS APPLICABLE.

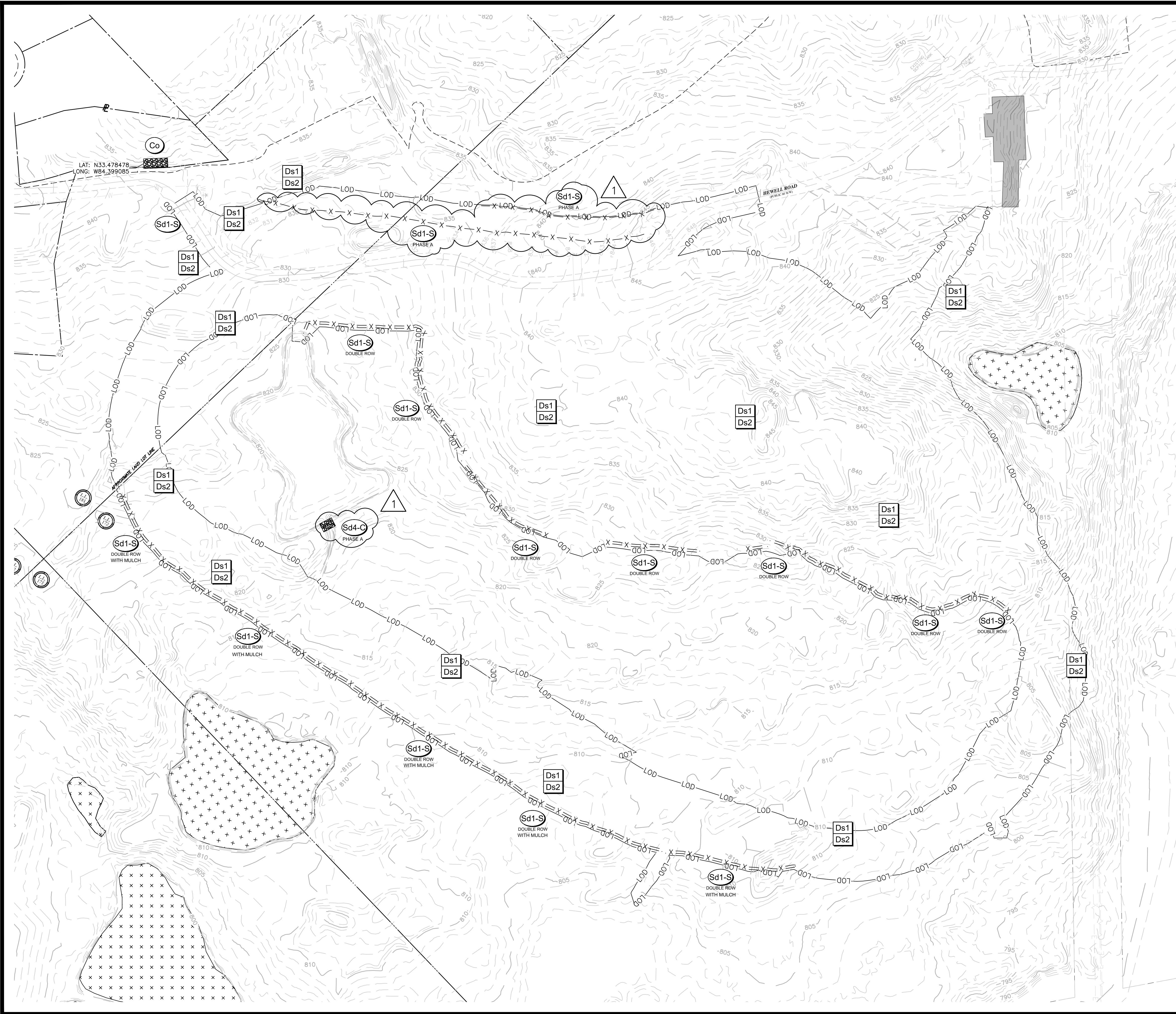
### OUTFALL SAMPLING

1. MANUAL SAMPLING - GRAB SAMPLES WILL BE TAKEN AT THE APPROPRIATE TIME AS STATED IN PART 16.0.6.D OF THE 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/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.
2. AUTOMATIC SAMPLING - GRAB SAMPLES WILL BE TAKEN AT THE APPROPRIATE TIMES AS SPECIFIED IN PART 16.0.6.E OF THE PERMIT. AUTOMATIC SAMPLING CAN BE ACCOMPLISHED BY USING A SAMPLING DEVICE SIMILAR TO THE ISO20 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.
3. 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 "NOTES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPO. TURBIDITY RESULTS WILL BE RECORDED AND REPORTED TO EPO AND THE LIA, IF APPLICABLE, IN ACCORDANCE WITH PART VI.E OF THE PERMIT.

### RECEIVING WATER SAMPLING

1. MANUAL SAMPLING - SAMPLES WILL BE TAKEN AT THE APPROPRIATE TIME AS STATED IN PART 16.0.5. D. OF THE PERMIT. 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 ANY ADDITIONAL DISCHARGES 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 OCCURRED AND PRODUCED A HOMOGENEOUS 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, 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.
2. 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, L





### 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 ACTIVITIES.

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 [www.gaswcc.georgia.gov](http://www.gaswcc.georgia.gov).

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.

### INITIAL PHASE NARRATIVE:

INITIAL PHASE IS THE INSTALLATION OF PERIMETER CONTROL BMPs INCLUDING CONSTRUCTION EXIT AND DOUBLE ROW OF SILT FENCE WITH MULCH. ONCE PERIMETER CONTROLS ARE INSTALLED AND FUNCTIONING DEMOLITION AND GRADING OPERATIONS CAN COMMENCE.

### STRUCTURAL BMP LEGEND

	CONSTRUCTION EXIT
	DOUBLE ROW OF SILT FENCE WITH LOOSE MULCH IN BETWEEN

— LOD —

LIMITS OF DISTURBANCE

INITIAL PHASE DISTURBED AREA:  
30.53 ACRES

### VEGETATIVE BMP LEGEND

	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)

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

SCALE IN FEET

2	ACCESS ROAD REDESIGN	08/19/2022
1	LOP COMMENTS	07/19/2022
NO.	REVISION REFERENCE	DATE

SEAL

GSWCC CERT #78081

SHEET TITLE  
EROSION CONTROL  
PLAN - INITIAL PHASE

DRAWN BY ORG	CHECKED BY SMM
SCALE 1"=100'	ISSUE DATE 04/01/2022

PROJECT NUMBER  
1866.033

DRAWING NUMBER  
**ER-200**

SHEET 27 of 31

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413  
MARIETTA, GA 30062  
PHONE: (770) 971-5407 FAX: (770) 971-0620

FAYETTE COUNTY SHERIFF

VEHICLE TACTICAL TRAINING FACILITY

LAND LOT(S) 172  
OF THE 5TH DISTRICT, 5TH SECTION  
FAYETTE COUNTY, GEORGIA

ISSUED FOR CONSTRUCTION

2	ACCESS ROAD REDESIGN	08/19/2022
1	LOP COMMENTS	07/19/2022
NO.	REVISION REFERENCE	DATE

SEAL

GSWCC CERT #78081

SHEET TITLE  
EROSION CONTROL  
PLAN - INITIAL PHASE

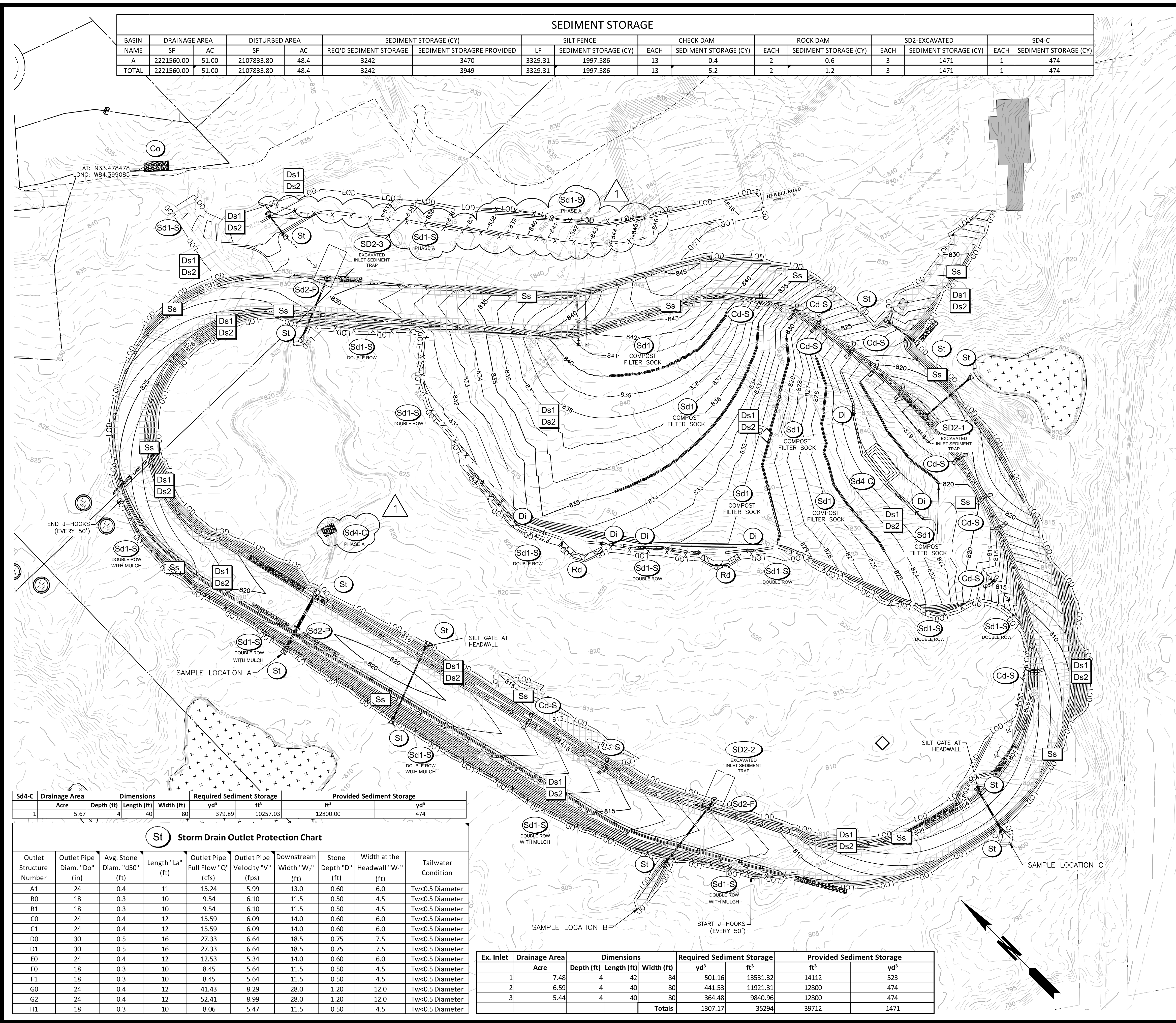
DRAWN BY ORG	CHECKED BY SMM
SCALE 1"=100'	ISSUE DATE 04/01/2022

PROJECT NUMBER  
1866.033

DRAWING NUMBER  
**ER-200**

SHEET 27 of 31





SEDIMENT STORAGE																
BASIN	DRAINAGE AREA		DISTURBED AREA		SEDIMENT STORAGE (CY)		SILT FENCE		CHECK DAM		ROCK DAM		SD2-EXCAVATED		SD4-C	
NAME	SF	AC	SF	AC	REQ'D SEDIMENT STORAGE	SEDIMENT STORAGRE PROVIDED	LF	SEDIMENT STORAGE (CY)	EACH	SEDIMENT STORAGE (CY)	EACH	SEDIMENT STORAGE (CY)	EACH	SEDIMENT STORAGE (CY)	EACH	SEDIMENT STORAGE (CY)
A	2221560.00	51.00	2107833.80	48.4	3242	3470	3329.31	1997.586	13	0.4	2	0.6	3	1471	1	474
TOTAL	2221560.00	51.00	2107833.80	48.4	3242	3949	3329.31	1997.586	13	5.2	2	1.2	3	1471	1	474

Sd4-C	Drainage Area		Dimensions			Required Sediment Storage		Provided Sediment Storage	
	Acre	Depth (ft)	Length (ft)	Width (ft)	80	yd³	ft³	ft³	yd³
1	5.67	4	40			379.89	10257.03	12800.00	474

Storm Drain Outlet Protection Chart									
Outlet Structure Number	Outlet Pipe Diam. "Do" (in)	Avg. Stone Diam. "d50" (ft)	Length "La" (ft)	Outlet Pipe Full Flow "Q" (cfs)	Outlet Pipe Velocity "V" (fps)	Downstream Width "W2" (ft)	Stone Depth "D" (ft)	Width at the Headwall "W1" (ft)	Tailwater Condition
A1	24	0.4	11	15.24	5.99	13.0	0.60	6.0	Tw<0.5 Diameter
B0	18	0.3	10	9.54	6.10	11.5	0.50	4.5	Tw<0.5 Diameter
B1	18	0.3	10	9.54	6.10	11.5	0.50	4.5	Tw<0.5 Diameter
C0	24	0.4	12	15.59	6.09	14.0	0.60	6.0	Tw<0.5 Diameter
C1	24	0.4	12	15.59	6.09	14.0	0.60	6.0	Tw<0.5 Diameter
D0	30	0.5	16	27.33	6.64	18.5	0.75	7.5	Tw<0.5 Diameter
D1	30	0.5	16	27.33	6.64	18.5	0.75	7.5	Tw<0.5 Diameter
E0	24	0.4	12	12.53	5.34	14.0	0.60	6.0	Tw<0.5 Diameter
F0	18	0.3	10	8.45	5.64	11.5	0.50	4.5	Tw<0.5 Diameter
F1	18	0.3	10	8.45	5.64	11.5	0.50	4.5	Tw<0.5 Diameter
G0	24	0.4	12	41.43	8.29	28.0	1.20	12.0	Tw<0.5 Diameter
G2	24	0.4	12	52.41	8.99	28.0	1.20	12.0	Tw<0.5 Diameter
H1	18	0.3	10	8.06	5.47	11.5	0.50	4.5	Tw<0.5 Diameter

Ex. Inlet	Drainage Area		Dimensions			Required Sediment Storage		Provided Sediment Storage	
	Acre	Depth (ft)	Length (ft)	Width (ft)	84	yd³	ft³	ft³	yd³
1	7.48	4	42			501.16	13531.32	14112	523
2	6.59	4	40			441.53	11921.31	12800	474
3	5.44	4	40			364.48	9840.96	12800	474
Totals						1307.17	35294	39712	1471

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 ACTIVITIES.

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.

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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 [www.gswcc.georgia.gov](http://www.gswcc.georgia.gov).

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.

INTERMEDIATE PHASE II NARRATIVE:

DURING DEMOLITION AND GRADING ACTIVITIES, INITIAL PHASE BMPs ARE TO BE MAINTAINED. SEDIMENT STORAGE WILL BE HANDLED BY DOUBLE ROW OF SILT FENCE WITH MULCH IN BETWEEN AND STONE CHECK DAMS ALONG THE SWALES. DIVERSIONS WILL BE CONSTRUCTED FOR THE ROCK DAMS, AND COMPOST FILTER SOCKS INSTALLED ON THE DESIGNATED AREAS. FILTER SOCKS WILL BE STORM STRUCTURES AROUND THE Labeled STORM STRUCTURES AND THE STORM INLET LOCATED WITHIN THE EXCAVATED INLET TRAP WILL REQUIRE A FILTER FABRIC WITH SUPPORTING FRAME. CHANNEL STABILIZATION IS TO BE INSTALLED IN Labeled AREAS.

DISTURBED AREA STABILIZATION SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE MANUAL. CLEAN OUT ACCUMULATED SILT AND SEDIMENT STORED IN BMPs. 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-400-401.

STRUCTURAL BMP LEGEND

Co		CONSTRUCTION EXIT
Cd-S		STONE CHECK DAMS
Di		DIVERSION
Rd		ROCK FILTER DAM
Sd1-S		DOUBLE ROW SILT FENCE-TYPE SENSITIVE WITH LOOSE MULCH IN-BETWEEN
Sd1		COMPOST FILTER SOCK
Sd2-F		INLET SEDIMENT TRAP-FILTER FABRIC WITH SUPPORTING FRAME
Sd2-P		INLET SEDIMENT TRAP-CURB INLET PROTECTION
Sd2-1		EXCAVATED INLET SEDIMENT TRAP
St		STORM DRAIN OUTLET PROTECTION
Sd4-C		TEMPORARY SEDIMENT TRAP- ROCK OUTLET

LOD LIMITS OF DISTURBANCE

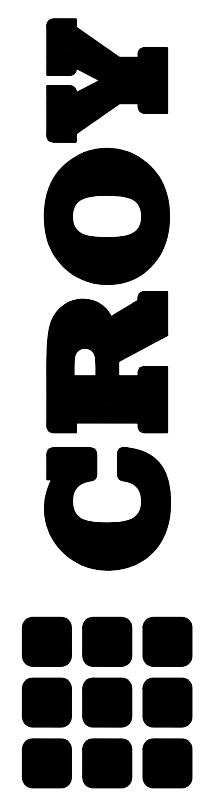
INTERMEDIATE PHASE  
DISTURBED AREA:  
30.53 ACRES

VEGETATIVE BMP LEGEND

Ds1		DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Ds2		DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
Ss		SLOPE STABILIZATION

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

100 0 100 200 300  
SCALE IN FEET



200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413  
MARIETTA, GA 30062  
PHONE: (770) 971-5407 FAX: (770) 971-0820

FAYETTE COUNTY SHERIFF

VEHICLE TACTICAL TRAINING FACILITY

LAND LOT(S) 172  
OF THE 5TH DISTRICT, 5TH SECTION  
FAYETTE COUNTY, GEORGIA

ISSUED FOR CONSTRUCTION

2	ACCESS ROAD REDESIGN	08/19/2022
1	LDP COMMENTS	07/19/2022
NO.	REVISION REFERENCE	DATE



GSWCC CERT #78081

SHEET TITLE  
EROSION CONTROL  
PLAN - INTERMEDIATE  
PHASE

DRAWN BY ORG	CHECKED BY SMM
SCALE 1"=100'	ISSUE DATE 04/01/2022

PROJECT NUMBER  
1866.033  
DRAWING NUMBER

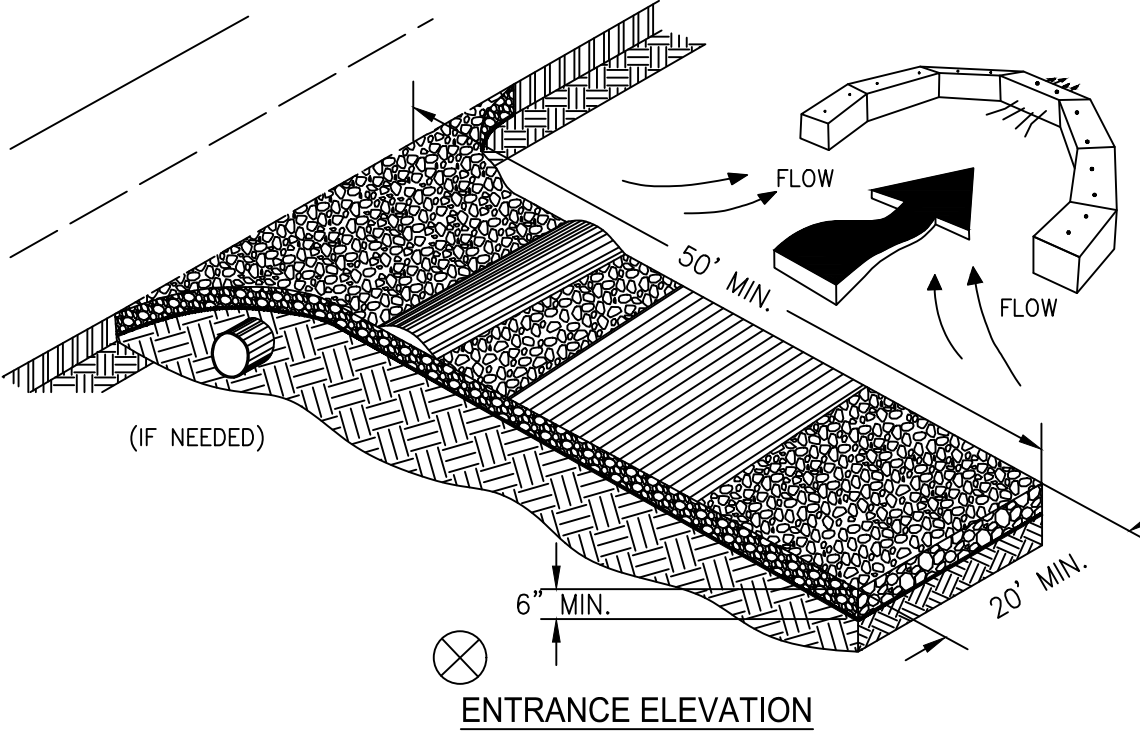
ER-300  
SHEET 28 of 31







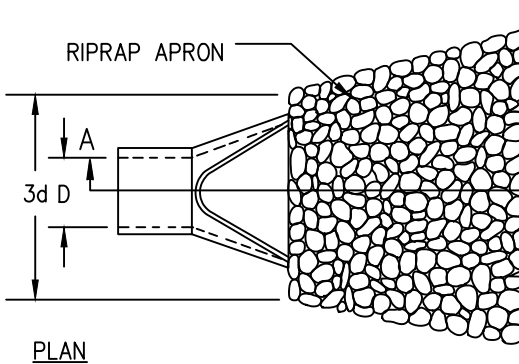
Co CRUSHED STONE CONSTRUCTION EXIT  
EXIT DIAGRAM



- NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
  2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
  3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
  4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
  5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
  6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
  7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
  8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
  9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
  10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

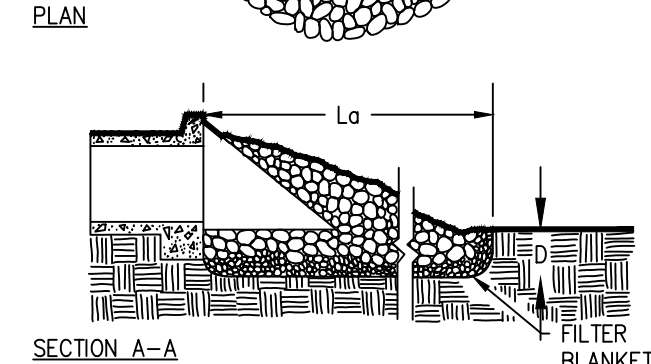
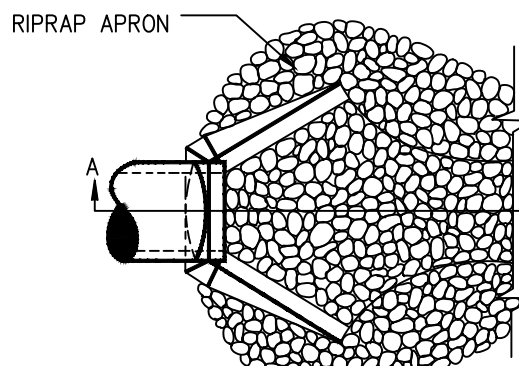
St RIPRAP OUTLET PROTECTION

PIPE OUTLET TO FLAT AREA -- NO WELL DEFINED CHANNEL



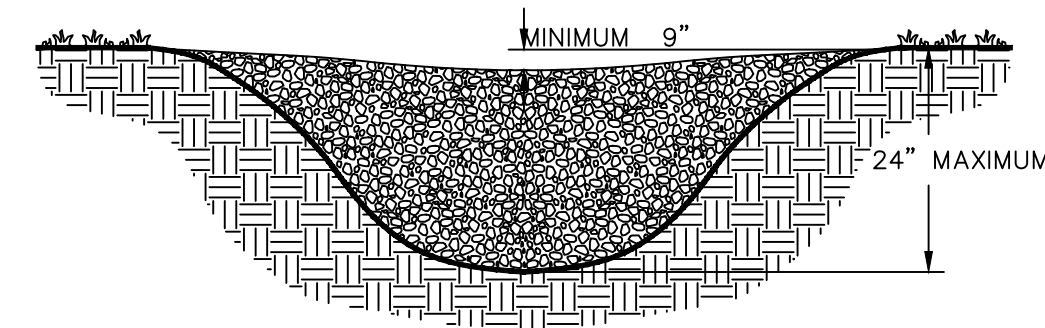
- NOTES:
1. Lo IS THE LENGTH OF THE RIPRAP APRON.
  2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
  3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
  4. A FILTER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

PIPE OUTLET TO WELL DEFINED CHANNEL

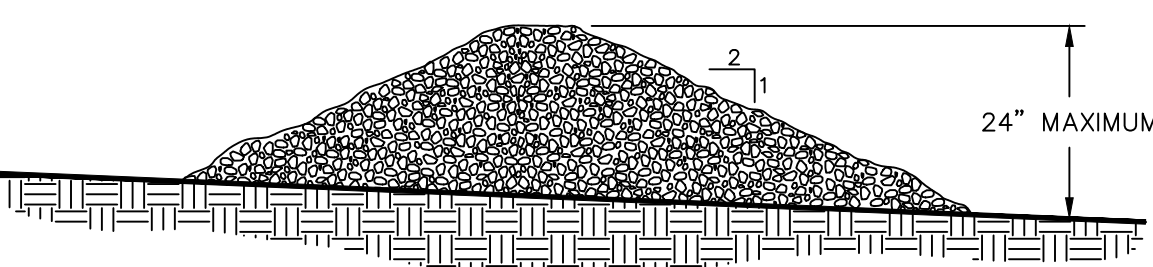


Cd-S STONE CHECK DAM

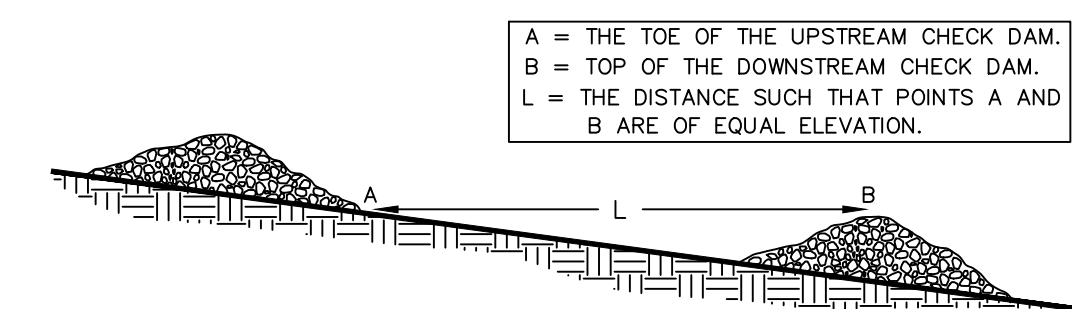
CROSS SECTION



PROFILE VIEW

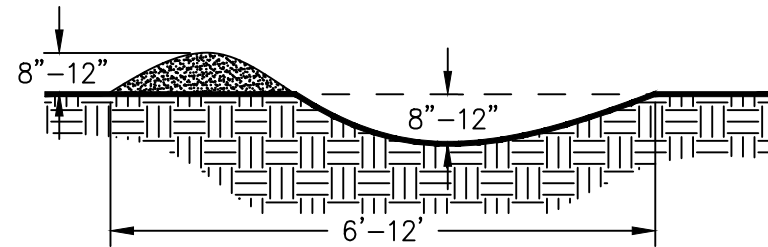


SPACING BETWEEN CHECK DAMS

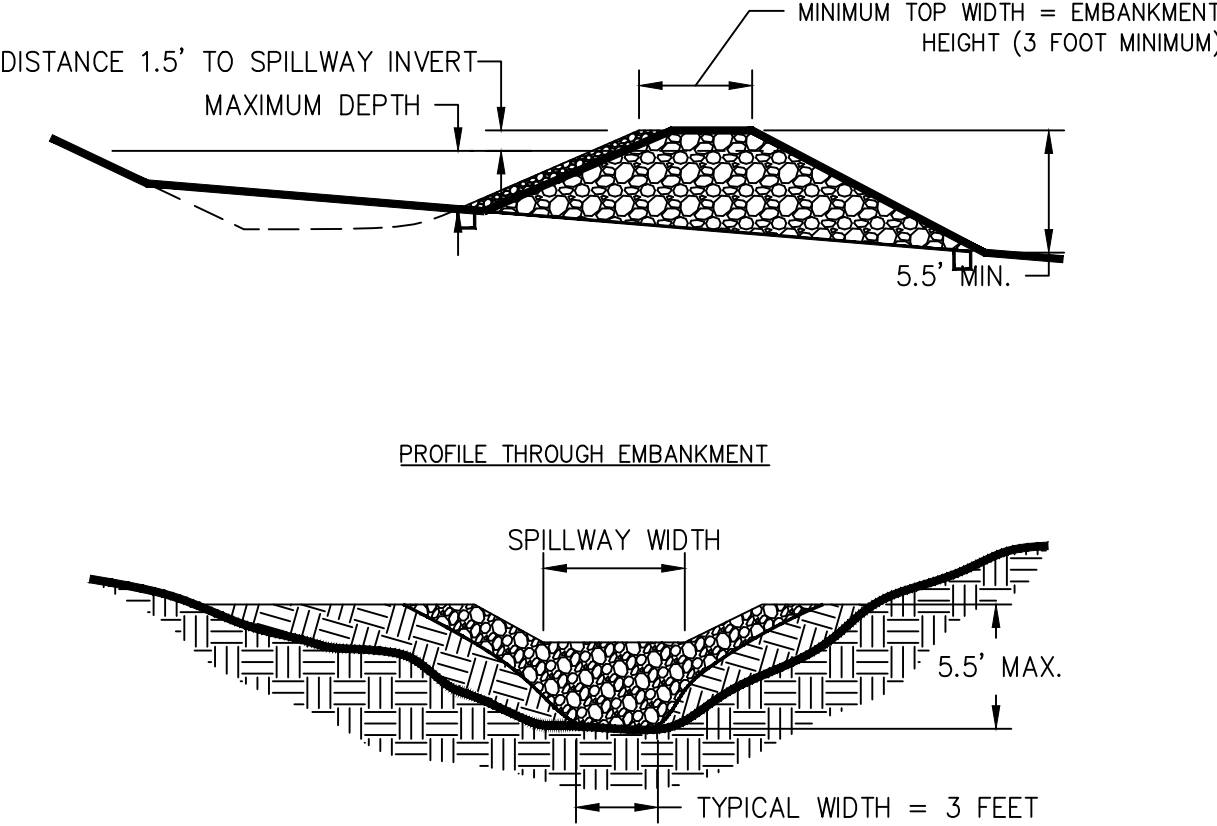
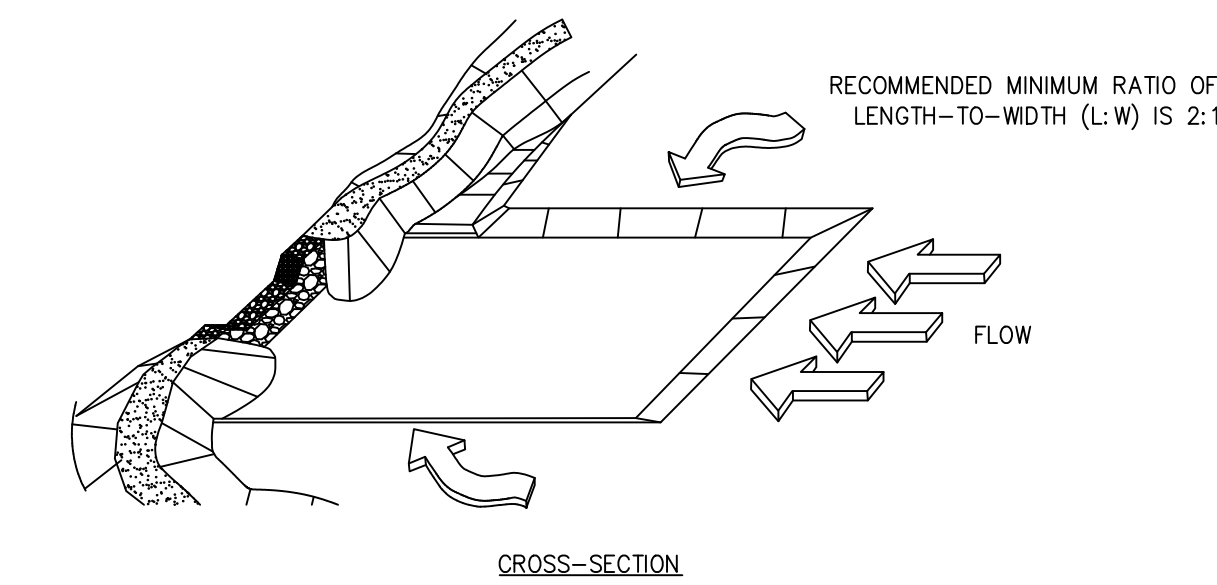


- NOTES:
1. CHECK DAMS ARE TO BE USED ONLY IN SMALL OPEN CHANNELS (THEY ARE NOT TO BE USED IN LIVE STREAMS).
  2. THE DRAINAGE AREA FOR STONE CHECK DAMS SHALL NOT EXCEED TWO ACRES.
  3. THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.
  4. THE DAM HEIGHT SHOULD BE A MAXIMUM OF 2 FEET FROM CENTER TO RIM EDGE.
  5. THE SIDE SLOPES OF THE CHECK DAM SHALL NOT EXCEED A 2:1 SLOPE.
  6. GEOTEXTILE SHALL BE USED TO PREVENT THE MITIGATION OF SUBGRADE SOIL PARTICLES INTO THE STONES (REFER TO AASHTO M288-96, SECTION 7.3, TABLE 3).

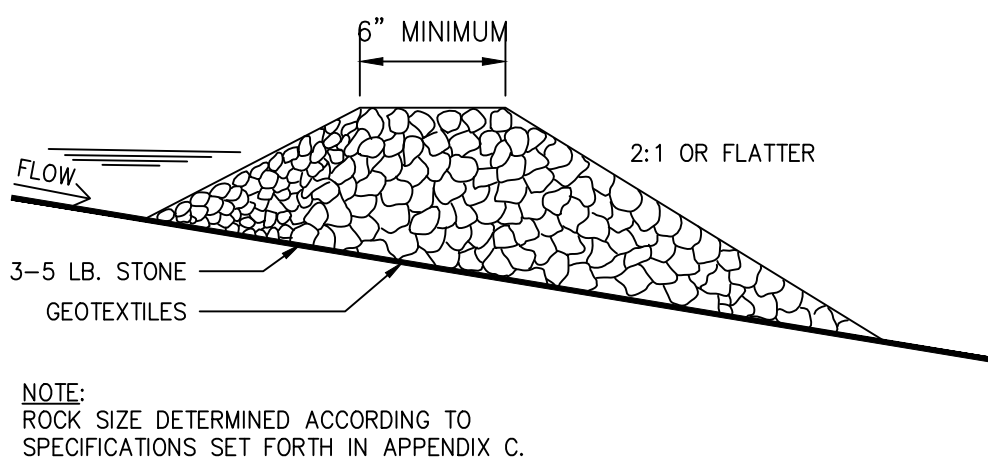
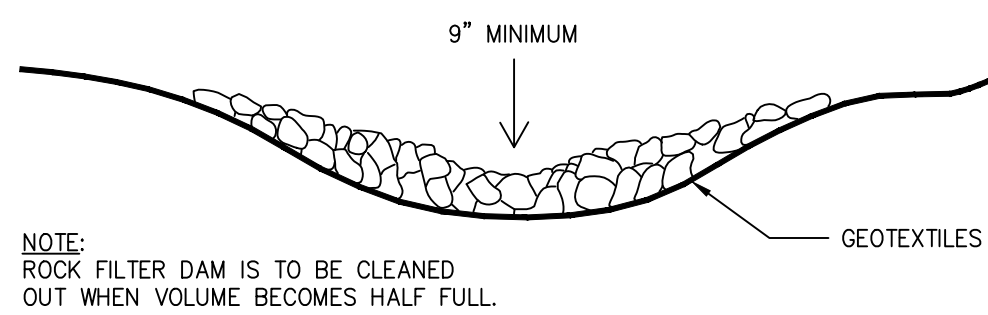
Di TYPICAL DIVERSION ACROSS ROAD  
CROSS SECTION



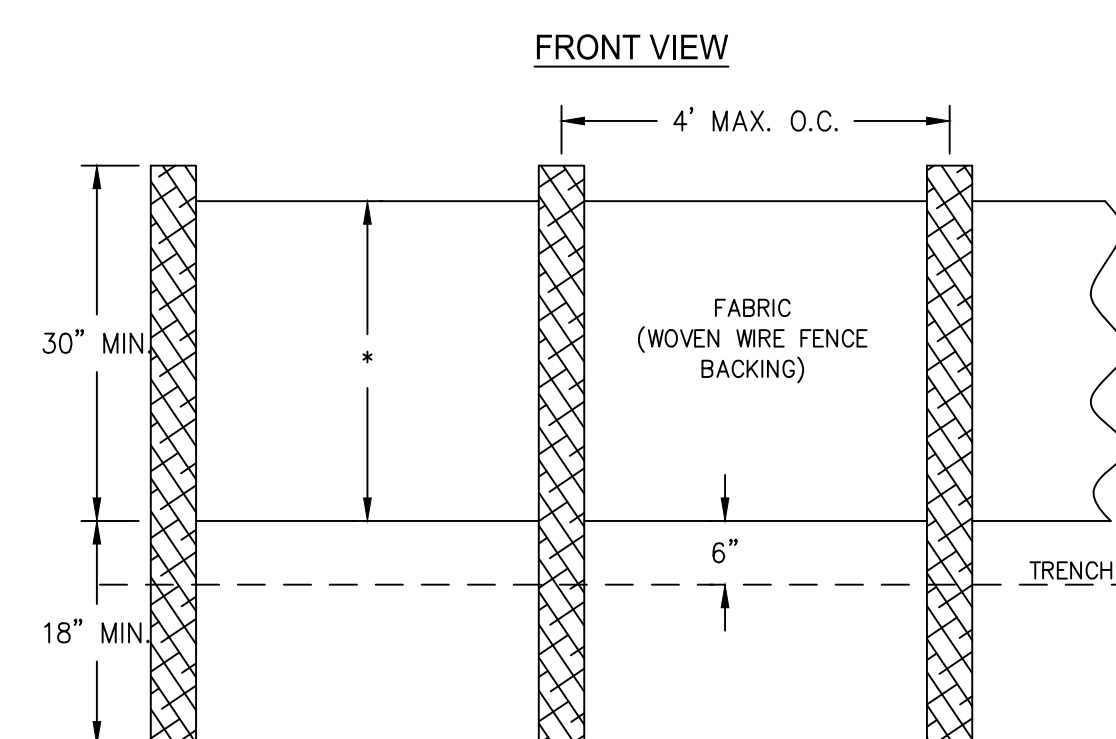
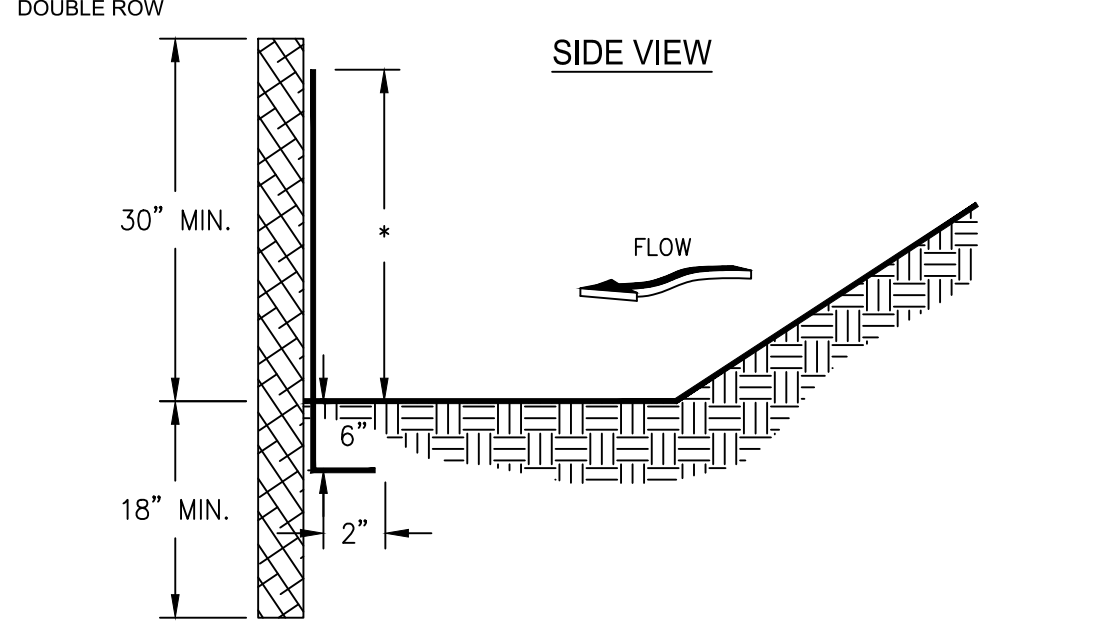
Sd4-C TEMPORARY SEDIMENT TRAP  
COURTESY OF CITY OF KNOXVILLE BMP EROSION AND SEDIMENT  
ROCK OUTLET



Rd ROCK FILTER DAM



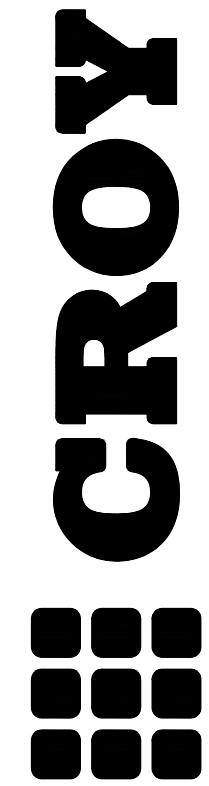
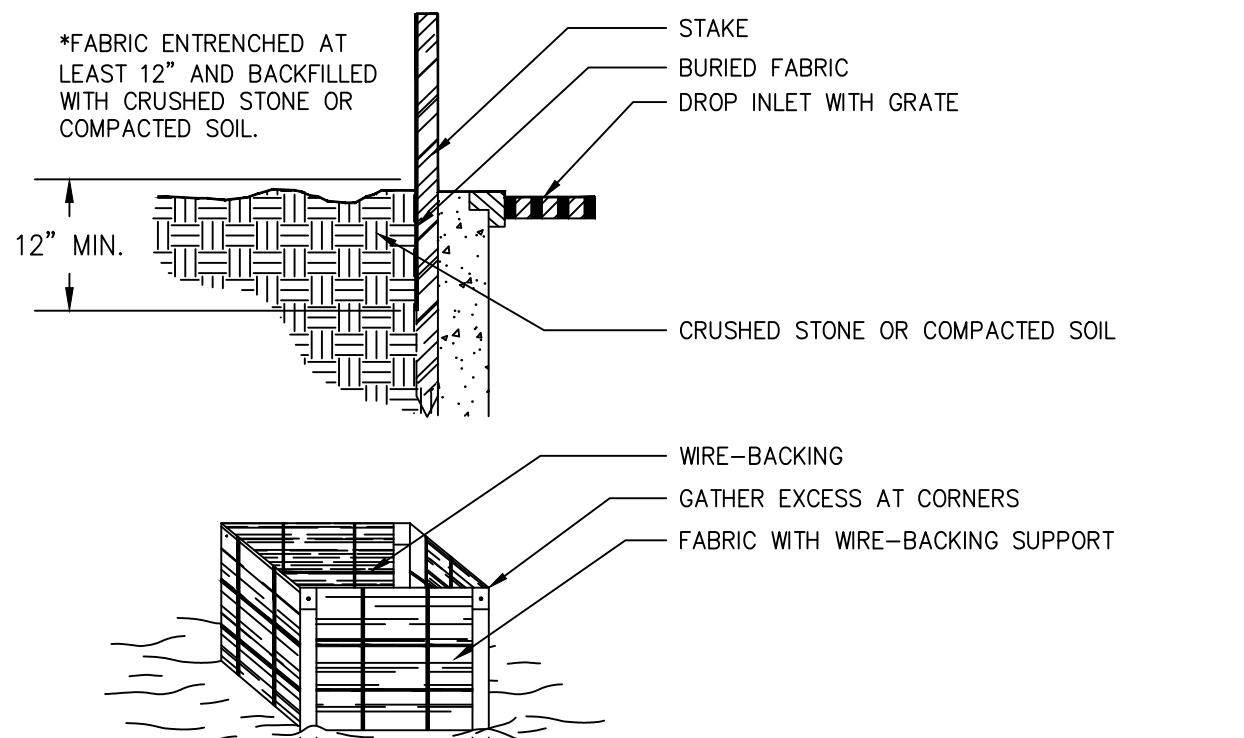
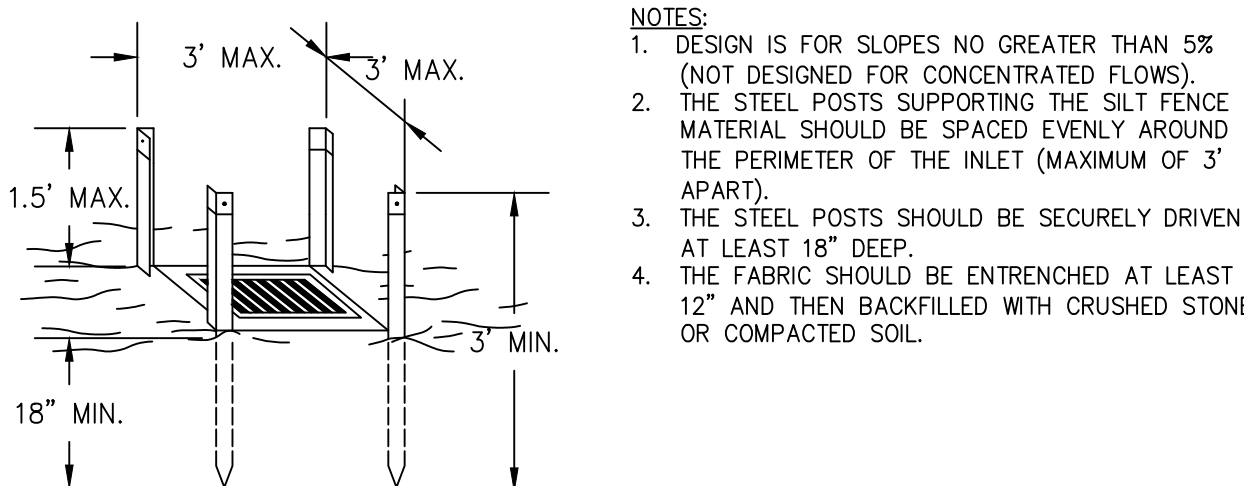
Sd1-S SILT FENCE - TYPE SENSITIVE



- NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
  2. HEIGHT (\*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

Sd2-F FABRIC AND SUPPORTING FRAME FOR  
INLET PROTECTION

STEEL FRAME AND SILT FENCE INSTALLATION



200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413  
MARIETTA, GA 30062  
PHONE: (770) 971-5407 FAX: (770) 971-0620  
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FAYETTE COUNTY SHERIFF

VEHICLE TACTICAL TRAINING FACILITY

LAND LOT(S) 172  
OF THE 5TH DISTRICT, 5TH SECTION  
FAYETTE COUNTY, GEORGIA

ISSUED FOR CONSTRUCTION

NO. REVISION REFERENCE DATE

SEAL



GSWCC CERT #78081

SHEET TITLE  
EROSION CONTROL  
DETAILS

DRAWN BY  
TBA  
SCALE  
NONE

CHECKED BY  
SMM  
ISSUE DATE  
04/01/2022

PROJECT NUMBER  
1866.033  
DRAWING NUMBER

ER-500

SHEET 30 of 31

Drawing Location: p:\Marietta\1866 Fayette county\1866.033 Fayette county sheriff vehicle tactical training\1866.033\_Cover\_Notes&Details.dwg Plot Scale: 1" = 10' Plot Style: Design.ctb Plotted By: Maqwan Macmore on 9/15/2022, 2:03 PM



