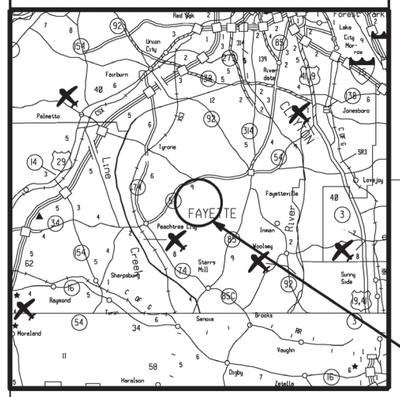
LOCATION SKETCH



DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PLAN AND PROFILE OF PROPOSED

WEST FAYETTEVILLE PATH & MULTI-USE BRIDGE

FEDERAL AID PROJECT

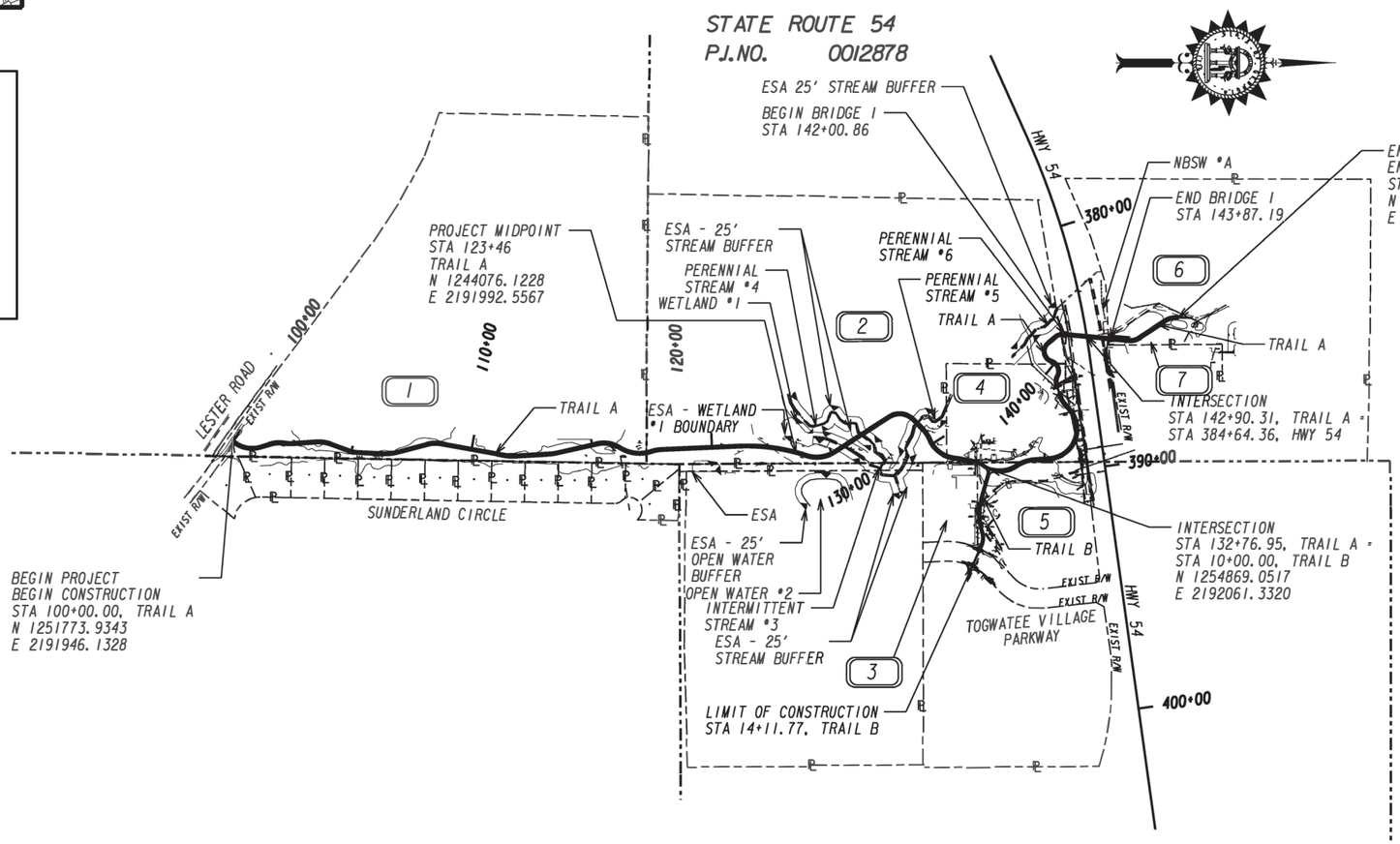
FAYETTE COUNTY
FEDERAL ROUTE N/A
STATE ROUTE 54
P.I.NO. 0012878

PREPARED BY:

AECOM

AECOM TECHNICAL SERVICES, INC.

NOTE :
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS, DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION WITH THIS DOCUMENT, TO "STATE HIGHWAY DEPARTMENT OF GEORGIA", "STATE HIGHWAY DEPARTMENT", GEORGIA STATE HIGHWAY DEPARTMENT", "HIGHWAY DEPARTMENT", OR "DEPARTMENT" WHEN THE CONTEXT THEREOF MEANS THE STATE HIGHWAY DEPARTMENT OF GEORGIA, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF TRANSPORTATION.



DESIGN DATA:
TRAFFIC A.D.T.: N/A
TRAFFIC A.D.T.: N/A
TRAFFIC D.H.V.: N/A
DIRECTIONAL DIST.: N/A
% TRUCKS: N/A
24 HR. TRUCKS %: N/A
SPEED DESIGN: 18 MPH

LOCATION & DESIGN APPROVAL DATE: 12/07/16

FUNCTIONAL CLASS: SPECIAL

THIS PROJECT IS 100% IN FAYETTE COUNTY AND IS 88% IN CONG. DIST. NO. 3 AND 12% IN CONG. DIST. NO. 13.

PROJECT DESIGNATION: EXEMPT

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS.

LENGTH OF PROJECT	FAYETTE COUNTY No. 113 Project No. 0012878
	MILES
NET LENGTH OF ROADWAY	0.854
NET LENGTH OF BRIDGES	0.035
NET LENGTH OF PROJECT	0.889
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.889

SCALE IN FEET
0 300 600 1200

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

PREPARED BY: _____
MICKEY O'BRIEN, RLA - AECOM

RECOMMENDED FOR APPROVAL BY: _____
STATE PROGRAM DELIVERY ADMINISTRATOR

DATE | CHIEF ENGINEER

REVISIONS

DWG NOS.	REVISION NO.	DATE	COMMENT/REASON FOR REVISION
02-0001	1	05/07/20	UPDATED INDEX
03-0001	2	05/07/20	UPDATED INDEX OF REVISION SUMMARY
06-0001	3	04/17/20	UPDATED QUANTITIES OF RIP RAP
13-0006	4	04/17/20	UPDATED RIP RAP/ CULVERT LOCATIONS
20-0001	5	04/20/20	ADDED 20-0001 STAGING DETAILS

DRAWING No. 01-0001

CONCOV

DRAWING NO.	DESCRIPTION	
1-0001	COVER SHEET	
2-0001	INDEX	
3-0001	REVISION SUMMARY SHEET	
4-0001 TO 4-0003	GENERAL NOTES	
5-0001	TYPICAL SECTIONS (WOOD FENCE DETAIL INCLUDED)	
6-0001 TO 6-0002	SUMMARY OF QUANTITIES	
7-0001	QUANTITIES REQUIRED BY AMENDMENT SHEET	
8-0001	QUANTITIES REQUIRED BY CONSTRUCTION SHEET	
13-0001 TO 13-0011	MAINLINE PLAN AND PROFILE SHEETS	
20-0001	STAGING DETAILS	
21-0001 TO 21-0002	DRAINAGE AREA MAP	
22-0001 TO 22-0003	DRAINAGE PROFILES	
23-0001 TO 23-0016	CROSS-SECTIONS	
24-0000 TO 24-0011	UTILITY PLAN SHEETS	
26-0001 TO 26-0011	SIGNING AND MARKING PLANS	
32-0001 TO 32-0004	RETAINING WALL PLANS	
35-0001 TO 35-0006	BRIDGE PLANS	
38-0001 TO 38-0003	SPECIAL CONSTRUCTION DETAILS	
	GEORGIA CONSTRUCTION DETAILS (NOT INCLUDED IN FFPR SUBMISSION)	
40-0001	A-1 DRIVEWAYS WITH TAPERED ENTRANCES CONCRETE VALLEY GUTTERS	07-2011
40-0002	A-3 CONCRETE SIDEWALK DETAILS CURB CUT (WHEELCHAIR) RAMPS	09-2016
40-0003	A-4 DETECTABLE WARNING SURFACE TRUNCATED DOME SIZE, SPACING AND ALIGNMENT REQUIREMENTS	06-2009
40-0004	D-7 BERM DITCHES, SIDE DITCHES, SURFACE DITCHES	07-1980
40-0005	D-10 4" CONCRETE DITCH PAVING DETAILS & QUANTITIES	01-1988
40-0006	T-1 SIGN PLATES	01-2000
40-0007	T-2 DETAILS FOR TYPICAL FRAMING	03-2000
40-0008	T-3A TYPE 7, 8, AND 9 SQUARE TUBE POST INSTALLATION DETAIL	07-2002
40-0009	T-11A DETAILS OF PAVEMENT MARKING PLACEMENT OF NON LIMITED ACCESS ROADWAYS	09-2016
41-0001	1030D CONCRETE AND METAL PIPE CULVERTS SHEET 1 OF 3	09-2001
41-0002	1030D CONCRETE AND METAL PIPE CULVERTS SHEET 2 OF 3	09-2001
41-0003	1030D CONCRETE AND METAL PIPE CULVERTS SHEET 3 OF 3	09-2001
41-0004	1120 FLARED END SECTIONS FOR PIPES	06-2006
41-0005	1122 SAFETY END SECTION (METAL) (FOR SIDE DRAIN PIPE OR STORM DRAIN PIPE PARALLEL TO MAINLINE) (SHEET 1 OF 3)	01-2005
41-0006	1122 SAFETY END SECTION (METAL) (FOR SIDE DRAIN PIPE OR STORM DRAIN PIPE PARALLEL TO MAINLINE) (SHEET 2 OF 3)	01-2005
41-0007	1122 SAFETY END SECTION (CONCRETE) (FOR SIDE DRAIN PIPE OR STORM DRAIN PIPE PARALLEL TO MAINLINE (SHEET 3 OF 3)	01-2005
41-0008	2400-1 INDEX OF REINFORCED CONCRETE BOX CULVERTS (SHEET 1 OF 1)	09-2017
41-0009	2401-1 REINFORCED CONCRETE BOX CULVERTS (SHEET 1 OF 3)	09-2017
41-0010	2403-2-M REINFORCED CONCRETE SINGLE BOX CULVERT 10'X5', 10'X6', 10'X7', 10'X8' (SHEET 2 OF 3)	09-2017
41-0011	3901 BAR BENDING DETAILS	08-1969
41-0012	9013 CONCRETE SPILLWAYS (TYPICAL USE: ALONG ROADWAY AT END OF CURB)	02-1981
41-0013	9029B PERFORATED UNDERDRAIN	08-1983
41-0014	9031R PLACING ROOF DRAIN PIPE UNDER SIDEWALK - RAMP TYPE BARRICADE - PIPE HANDRAIL FOR RETAINING WALL PIPE HANDRAIL FOR CONCRETE STEPS	10-1988
41-0015	9031S MEDIAN DROP INLET (PRECAST OR BUILT-IN-PLACE) AND CONCRETE APRON	04-1996
41-0016	9031U JUNCTION BOXES (PRECAST OR BUILT-IN-PLACE) PIPE COLLARS, PIPE ELBOW AND PIPE CURVED ALIGNMENT	07-1985
41-0017	9032B CONCRETE CURB AND GUTTER, CONCRETE CURBS, CONCRETE MEDIANS	02-2020
41-0018	9100 TRAFFIC CONTROL GENERAL NOTES, STANDARD LEGEND, AND MISCELLANEOUS DETAILS	03-2006

DRAWING NO.	DESCRIPTION	
50-0001	EROSION CONTROL COVER SHEET	
51-0001 TO 51-0005	ESPC GENERAL NOTES	
52-0001 TO 52-0007	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEETS 1-7)	
53-0001	ESPCP DRAINAGE AREA MAP	
54-0001 TO 54-0033	BMP LOCATION DETAILS	
55-0001	EROSION CONTROL WATERSHED MAP- SITE MONITORING	
	GEORGIA EROSION DETAILS (NOT INCLUDED IN FFPR SUBMISSION)	
56-0001	D-9 CONCRETE FLUMES TYPES "A" & "B"	10-1983
56-0002	D-19 TEMPORARY PIPE SLOPE DRAIN WITH DRAIN INLET (2-00)	02-2000
56-0003	D-20 SILT CONTROL GATES FOR STRUCTURES TYPE - 1, 2, AND 3 (4-16)	04-2016
56-0004	D-24A TEMPORARY SILT FENCE (SHEET 1 OF 4) (1-11)	01-2011
56-0005	D-24B TEMPORARY SILT FENCE BERM DITCH, INSTALLATION, BRUSH BARRIER (SHEET 2 OF 4) (1-11)	01-2011
56-0006	D-24C TEMPORARY SILT FENCE J-HOOKS, INLET SEDIMENT TRAPS (SHEET 3 OF 4) (1-11)	01-2011
56-0007	D-24D TEMPORARY SILT FENCE FABRIC CHECK DAM (SHEET 4 OF 4) (7-15)	07-2015
56-0008	D-35 PERMANENT SOIL REINFORCING MAT (TURF REINFORCING MAT) INSTALLATION ON DITCHES (1-11)	01-2011
56-0009	D-41 CONSTRUCTION EXIT (4-18)	04-2018
56-0010	D-42 INLET SEDIMENT TRAPS (5-08)	05-2008
56-0011	D-43 ROCK FILTER DAM	04-2016
56-0012	D-52 BALED STRAW	04-2016
56-0013	D-55A OUTLET APRON (SHEET 1 OF 2) (4-16)	04-2016
56-0014	D-55B OUTLET APRON (SHEET 2 OF 2) (4-16)	04-2016
56-0015	D-56 STONE RIPRAP AND SAND BAG TEMPORARY CHECK DAMS	11-2018

DATE	DRAWING NO.	REVISION
05/07/20	01-0001	ADDED REVISION DATES AND SHEETS
05/07/20	03-0001	ADDED REVISION DATE AND SHEET
04/17/20	06-0001	REVISED QUANTITIES OF RIP RAP
04/17/20	13-0006	REVISED RIP RAP/CULVERT LOCATIONS
04/20/20	20-0001	ADDED 20-0001 STAGING DETAILS

DATE	DRAWING NO.	REVISION

GEORGIA
DEPARTMENT
OF
TRANSPORTATION

AECOM

REVISION DATES
04/17/20
05/07/20

REVISION SUMMARY

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		03-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

GENERAL NOTES

1. A NOTICE OF INTENT IS REQUIRED FOR THIS PROJECT.

2. ALL EXISTING PIPES WILL BE RETAINED UNLESS OTHERWISE NOTED ON PLANS.

3. ALL BORROW AND WASTE SITES FOR THIS PROJECT SHALL BE ENVIRONMENTALLY APPROVED PRIOR TO CONSTRUCTION ACTIVITIES OCCURRING IN THEM. ALL COMMON FILL OR EXCESS MATERIAL DISPOSED OUTSIDE THE PROJECT RIGHT OF WAY SHALL BE PLACED IN EITHER A PERMITTED SOLID WASTE FACILITY, A PERMITTED INERT WASTE LANDFILL OR IN AN ENGINEERED FILL. SEE SECTION 201 OF THE STANDARD SPECIFICATION AND SUPPLEMENTS THERETO FOR ADDITIONAL INFORMATION.

4. THERE IS NO KNOWN SUITABLE PLACE TO BURY THE CONSTRUCTION DEBRIS WITHIN THE PROJECT'S LIMITS. THE CONTRACTOR SHALL PROVIDE AN ENVIRONMENTALLY APPROVED SITE TO DISPOSE OF THE CONSTRUCTION DEBRIS AT NO ADDITIONAL COST TO THE OWNER.

5. THE FOLLOWING UTILITY OWNERS HAVE FACILITIES WITHIN THE PROJECT AREA:

UTILITY OWNER	SERVICE
Georgia Power	ELECTRICAL
EMC Coweta-Fayette	ELECTRICAL
Comcast	CABLE TV
Atlanta Gas Light	GAS
Fayette County Water System	WATER & SEWER
AT&T	TELECOMMUNICATIONS
Charter	TELECOMMUNICATIONS

6. ALL TEMPORARY SIGNING & MARKING SHALL BE INCLUDED IN THE LUMP SUM PAY ITEM FOR TRAFFIC CONTROL.

7. RIGHT OF WAY MARKERS LOCATED IN RESIDENTIAL LAWNS, DITCHES OR AREAS OF EXISTING PAVEMENT SHALL BE FLUSH MOUNTED OR AS DIRECTED BY ENGINEER.

8. ALL RAMPS SHALL BE 8" CONCRETE TO BE PAID FOR UNDER 8" SIDEWALK

9. EXIST UTILITIES WERE LOCATED USING UTILITY OWNER MARK UPS

10. SAW CUTTING OF CURB AND OTHER PAVEMENT TO BE IN ACCORDANCE WITH SECTION 411 OF THE GEORGIA STANDARD SPECIFICATIONS AND METHOD OF PAYMENT OF WORK.

11. THE CONTRACTOR SHALL SUBMIT A WRITTEN NOTICE TO THE ENGINEER FOR APPROVAL (30) THIRTY CALENDAR DAYS PRIOR TO THE CLOSURE. AFTER RECEIVING APPROVAL FROM THE ENGINEER, THE CONTRACTOR SHALL INSTALL SIGNS TO INFORM THE TRAVELING PUBLIC OF THE PROPOSED CLOSURE, INCLUDING THE DATE OF THE CLOSURE. IN ADDITION, THE CONTRACTOR SHALL INFORM THE FAYETTE COUNTY COMMISSION CHAIRMAN, LOCAL LAW ENFORCEMENT, EMS, AND SCHOOL SUPERINTENDENT (30) THIRTY CALENDAR DAYS PRIOR TO EACH ROAD CLOSURE. FURTHER, IT IS THE CONTRACTOR'S RESPONSIBILITY TO SIGN DETOUR ROUTE AS NOTED IN THE PLANS.

GENERAL NOTES - STANDARD SIGNS

1. ALL STANDARD HIGHWAY SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND THE GEORGIA SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND/OR SPECIAL PROVISIONS.

2. SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR OR BY THE PROJECT ENGINEER WITHOUT PRIOR APPROVAL FROM THE OFFICE OF TRAFFIC OPERATIONS.

3. ALL STANDARD HIGHWAY SIGNS SHALL BE ERECTED AT A HEIGHT OF 7 FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY OR 7 FEET ABOVE SIDEWALK, WHICHEVER IS GREATER.

4a. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON ALL OTHER ROADWAYS SHALL BE 6 FEET FROM THE EDGE OF THE PAVED SHOULDER OR 12 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), WHICHEVER IS GREATER. THE HORIZONTAL CLEARANCE IN NON-MOUNTABLE CURB SECTIONS SHALL BE AT LEAST 2 FEET FROM THE CURB FACE TO THE NEARER EDGE OF THE SIGN(S).

4b. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS MOUNTED BEHIND GUARD RAIL SHALL BE 6 FEET FROM THE FACE OF THE GUARD RAIL TO THE NEARER EDGE OF THE SIGN(S).

5. SINGLE PLATE, HORIZONTAL RECTANGULAR SIGNS OVER 48 INCHES IN WIDTH SHALL BE MOUNTED ON TWO POSTS WITH 2 EACH 2 INCH x ½ INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAPS. THE STRAPS SHALL BE FLUSH WITH THE BACK OF THE SIGN WITH ONE EACH ACROSS THE TOP AND BOTTOM OF THE SIGN. THE CENTERLINE OF EACH POST SHALL BE INSET 1/6TH OF THE SIGN WIDTH FROM THE EDGE OF THE SIGN. SIGN PLATE BOLT HOLES SHALL BE 3/8 INCH DIAMETER, DRILLED OR PUNCHED, AS SHOWN ON THE SIGN PLATE DETAILS.

6. EACH 42 OR 48 INCH WIDE x 18 OR 24 INCH HIGH SIGN REQUIRES ONE 2 INCH x 3/4 INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAP LOCATED IN THE CENTER OF THE SIGN AND FLUSH WITH THE BACK OF THE SIGN.

7. SIGN ASSEMBLIES SHALL BE MOUNTED ON ALUMINUM OR GALVANIZED STEEL STRAP FRAMES. FOR DETAILS AND STRAP SPECIFICATIONS REFER TO SIGN ASSEMBLY-TYPICAL FRAMING DETAILS.

8. TYPE 9 (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS REQUIRING REFLECTORIZED BACKGROUNDS EXCEPT AS SPECIFIED BELOW OR SPECIFIED OTHERWISE IN THE PLANS. EITHER CLASS 1 OR CLASS 2 ADHESIVE BACKING IS PERMISSIBLE.

9. TYPE 11 (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL RED SERIES SIGNS (R1-1, R1-2, R1-3P, R5-1, R5-1A, R5-1B).

10. TYPE 11 (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL WARNING SIGNS.

11. TYPE 11 (VERY HIGH INTENSITY) FLUORESCENT YELLOW GREEN REFLECTIVE SHEETING SHALL BE USED FOR SCHOOL ZONE (S1-1, S2-1, S3-1, S4-3, AND THE TOP PORTION OF THE S5-1) SIGNS, ALL REGULATORY SIGNS WITHIN THE SCHOOL ZONE SHALL HAVE TYPE 9 (VERY HIGH INTENSITY) REFLECTIVE SHEETING.

12. A ½ INCH MINIMUM AIR SPACE SHALL BE REQUIRED BETWEEN ALL SIGN PLATES WITHIN AN ASSEMBLY.

13. WHERE SIGNS WITHIN AN ASSEMBLY EXTEND BELOW THE STANDARD MOUNTING HOLES ON THE POST(S), ADDITIONAL⅝INCH DIAMETER HOLE(S), DRILLED OR PUNCHED, SHALL BE REQUIRED TO PROPERLY MOUNT THE ASSEMBLY.

14. THE CONTRACTOR WILL, AS REQUESTED BY THE DISTRICT TRAFFIC OPERATIONS ENGINEER AND THE LOCAL GOVERNMENT'S ENGINEER, BE REQUIRED TO REMOVE ANY EXISTING SIGNS THAT ARE DUPLICATED OR ARE CONTRARY TO THESE SIGN PLANS.

15. IF POST CONSTRUCTION STORMWATER BMP CANNOT BE BUILT WITHIN THE TOLERANCES ALLOWED, THE CONSTRUCTION PROJECT MANAGER SHALL NOTIFY THE OFFICE OF PROGRAM DELIVERY PROJECT MANAGER AND AREA ENGINEER. MODIFICATIONS MUST BE APPROVED BY THE GDOT OFFICE OF DESIGN POLICY AND SUPPORT PRIOR TO THE INSTALLATION.

GEORGIA811 Utilities Protection Center, Inc
Know what's below. Call before you dig.

GEORGIA DEPARTMENT OF TRANSPORTATION

AECOM

REVISION DATES		

GENERAL NOTES

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		04-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN

pH: 6
Resistivity: 10,000

Pipe Culvert Material Alternates

TYPE OF INSTALLATION			PIPE TYPE: CONCRETE — REINFORCED CONCRETE AASHTO M-170	STEEL — CORRUGATED STEEL ALUMINUM COATED (TYPE 2) AASHTO M-36	STEEL — CORRUGATED STEEL PLAIN ZINC COATED AASHTO M-36	STEEL — POLYMER COATED STEEL AASHTO M-245	ALLUMINUM — CORRUGATED ALUMINUM AASHTO M-196	THERMOPLASTIC — CORRUGATED HDPE AASHTO M-252	THERMOPLASTIC — CORRUGATED SMOOTHED LINED HDPE TYPE "S" AASHTO M-294	THERMOPLASTIC — CORRUGATED SMOOTH LINED POLYPROPYLENE AASHTO M 330	THERMOPLASTIC — PVC CORRUGATED SMOOTH INTERIOR ASTM F-949	THERMOPLASTIC — PVC Profile Wall Drain Pipe AASHTO M-304
STORM DRAIN	NON-TRAVEL BEARING (OUTSIDE ROADBED)	INTERSTATE	X									
		NON INTERSTATE	X	X		X	X		X	X	X	X
	TRAVEL BEARING (INSIDE ROADBED) GRADE ≤ 10%	ADT < 1,500	X	X		X	X		X	X	X	X
		1,500 < ADT < 5,000	X	X		X	X		X	X	X	X
		5,000 < ADT < 15,000	X						X	X	X	X
		ADT > 15,000 & INTERSTATES	X									
	GRADE > 10%					X			X	X	X	X
SIDE DRAIN			X	X		X	X		X	X	X	X
PERMANENT SLOPE DRAIN				X	X	X	X		X	X	X	X
PERFORATED UNDERDRAIN				X	X		X	X	X	X	X	X

NOTES:

1 Allowable materials are indicated by an "X".

2 Structural, installation, fill height and backfill requirements of storm drain pipe will be in accordance with Georgia Standard 1030-D or 1030-P and the Standard Specifications

3 The Contractor shall provide additional storm sewer capacity calculations if a pipe material other than concrete is selected.

4 Pipe used under mechanically stabilized earth (MSE) walls, within MSE wall backfill, or within five feet of an MSE wall face shall be Class V Concrete Pipe.

GEORGIA DEPARTMENT OF TRANSPORTATION

AECOM

REVISION DATES

GENERAL NOTES

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 04-0002

Environmental Resources Impact Table

These resources and the restrictions listed are governed by state and federal law.

Resource Name	Location			Permitted Construction Activity	Special Provision?	Comments
(from Section A of the ECT)	Beginning STA	Ending STA	Side	(from Section A of the ECT)	(from Section B of the ECT)	(from Section C of the ECT, comments only)
ESA	119+25	120+40	Rt	No activity	None	The contractor will ensure that no construction-related activities or access occur beyond the Orange Barrier Fencing protecting this resource.
Wetland 1	124+80	124+93	Rt	"	"	"
Open Water 2	Outside project corridor	Outside project corridor	NA	"	"	"
Open Water 2 Buffer	"	"	NA	"	"	"
Intermittent Stream 3	125+26	125+81	Rt & Lt	58 linear feet (0.005 acre) crossing, 21 linear feet (0.001 acre) armor.	"	"
Intermittent Stream 3 Buffer	124+80	125+60	Rt & Lt	Activity within 50 linear feet of new culvert is exempt. No activity beyond 50-foot exemption area.	"	"
Perennial Stream 4	126+31	126+63	Rt & Lt	65 linear feet (0.013 acre) crossing, 25 linear feet (0.005 acre) armor.	"	"
Perennial Stream 4 Buffer	126+10	127+00	Rt & Lt	Activity within 50 linear feet of new culvert is exempt. No activity beyond 50-foot exemption area.	"	"
Perennial Stream 5	128+98	129+28	Rt & Lt	68 linear feet (0.016 acre) crossing, 24 linear feet (0.005 acre) armor.	"	"
Perennial Stream 5 Buffer	128+80	129+60	Rt & Lt	Activity within 50 linear feet of new culvert is exempt. No activity beyond 50-foot exemption area.	"	"
Perennial Stream 6	Outside project corridor	Outside project corridor	NA	No activity	"	"
Perennial Stream 6 Buffer	"	"		"	"	"

404 Permits and Variances (from Section D of the ECT)	**Expiration dates (if applicable).** Contact GDOT OES 6 months prior to expiration, if work will extend beyond this date.
Notice of Intent (NOI) for NPDES	Fayette County and Construction Contractor will submit a NOI to the NPDES General Permit following award of the contract but prior to construction
Regional Permit 34	Authorization to Proceed under Regional Permit 34 received December 14, 2018
Stream Mitigation Credits	2018 stream credits: 173; or Grandfathered stream credits: 2065 (to be acquired prior to Let or prior to work within Waters of the US)

If there are no resources, indicate "None" in the first row. Include this table in the General Notes section of the plans as always.

ECT = Environmental Commitments Table, AKA "Green Sheet".

GEORGIA DEPARTMENT OF TRANSPORTATION

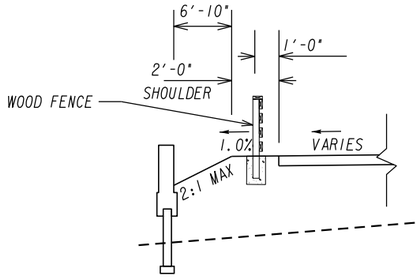
AECOM

REVISION DATES

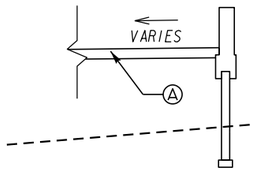
GENERAL NOTES

SR 54 MULTI-USE TRAIL & BRIDGE

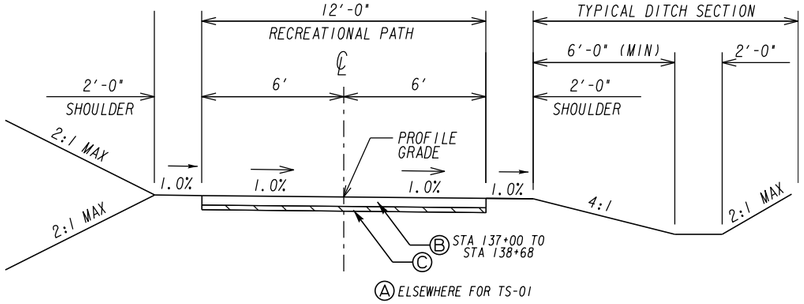
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VERIFIED:		DATE:		



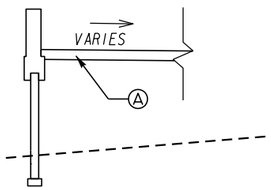
WALL SECTION DETAIL 1
W/ SLOTE
TRAIL A
WALL*2
STA 143+81.19 TO 144+65.62 LT



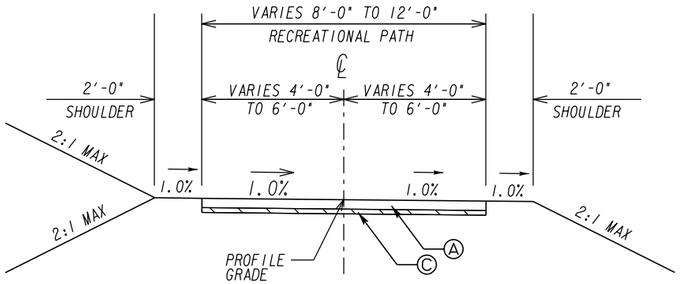
WALL SECTION DETAIL 2
TRAIL A
WALL*2
STA 143+81.19 TO 145+40.62



TS-01 TRAIL SECTION
STA 100+00.00 TO STA 131+58.68
STA 133+03.25 TO STA 138+79.61
STA 139+05.29 TO STA 142+00.86
STA 143+87.19 TO STA 146+92.53

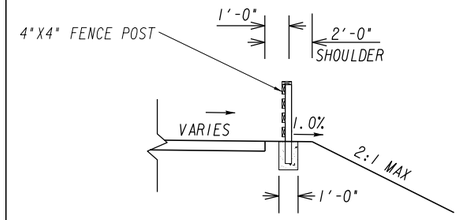


WALL SECTION DETAIL 3
TRAIL A
WALL *1
STA 139+52.29 TO STA 142+06.86



TS-02 TRAIL SECTION

TRAIL A:
STA 131+58.68 TO STA 133+03.25

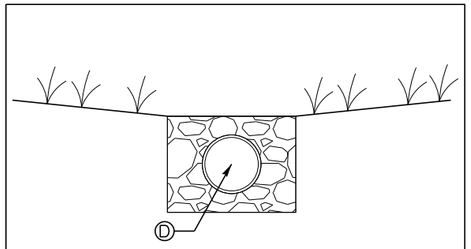


WOOD FENCE SECTION

TRAIL A
STA 110+75 TO STA 111+49 LT
STA 122+00 TO STA 126+75 LT
STA 123+25 TO STA 126+75 RT
STA 128+25 TO STA 131+00 LT
STA 128+25 TO STA 131+10 RT
STA 131+59 TO STA 132+35 RT
STA 139+15 TO STA 139+52 LT
STA 139+75 TO STA 142+01 RT
STA 143+87 TO STA 145+35 LT

TRAIL B
STA 11+25 TO STA 13+00 RT

*SEE SHEET 38-0003 FOR DETAIL



TRENCH DRAIN DETAIL
PER GDOT STD 9029b

TRAIL A
STA 105+00 TO STA 107+00 RT
STA 110+75 TO STA 113+10 RT

REQUIRED PAVEMENT

Ⓐ 5 IN CONCRETE SIDEWALK
Ⓑ PERVIOUS CONCRETE PAVEMENT, 6 IN THICK
Ⓒ GR AGGR BASE CRS, 3 INCH, INCL MATL
Ⓓ UNDDR PIPE INCL DRAIN AGGR, 10 IN

NOT TO SCALE

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

REVISION DATES

TYPICAL SECTIONS

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		05-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

PAVEMENT QUANTITIES

LOCATION	5" CONCRTE SIDEWALK SY	PERVIOUS CONC. PVMT. 6" THK SY	GAB TN	CURB CUT WHEEL CHAIR RAMP, TYPE A EA	CURB CUT WHEEL CHAIR RAMP, TYPE C EA	CURB CUT WHEEL CHAIR RAMP, TYPE D EA
TRAIL A	5677	224	922	1	1	2
TRAIL B	324					
TOTAL	**6001**	**224**	**922**	**1**	**1**	**2**

MISC. DRAINAGE AND UTILITY QUANTITIES

LOCATION	ADJUST SANITARY MANHOLE TO EA	UNDDR PIPE INCL DRAIN AGGR 10" LF	CONC. FLUME TYPE A: CLASS B CONC. CY	CONC. FLUME TYPE A: BAR REINF. STEEL LB	CONC. FLUME TYPE A: SAND CEMENT BAG RIPRAP, 6" SY
TRAIL A	1	491	5	75	3
TOTAL	**1**	**491**	**5**	**75**	**3**

*NOTES: THE COST OF REMOVAL OF EACH TEMPORARY DRAINAGE STRUCTURE IS INCLUDED IN THE BID PRICE OF EACH ITEM. THE CONTRACTOR, WITH APPROVAL FROM THE ENGINEER, MAY ABANDON A TEMPORARY DRAINAGE STRUCTURE IF THE STRUCTURE IS FILLED WITH FLOWABLE FILL WHICH WILL NOT BE PAID FOR SEPARATELY.

P.I. NO 0012878 TRAFFIC CONTROL	
LUMP	LUMP SUM

RIGHT OF WAY MARKERS	
157	EA

P.I. NO 0012878 GRADING COMPLETE	
LUMP	LUMP SUM

*NOTES: GRADING COMPLETE INCLUDES GRADING COMPLETE STAGING 1-5 AS WELL AS COSTS RELATED TO STAGING THE DRAINAGE.

P.I. NO 0012878 156-0100 GPS DATA COLLECTION & SUBMITTAL	
LUMP	LUMP SUM

EXCAVATION - ROCK	
500	CY

STORM DRAIN QUANTITIES

STRUCTURE NUMBER	STATION	OFFSET SIDE	ROAD	Drainage Pipe: 18 INCH H 1-10 LIN. FT.	Drainage Pipe: 18 INCH H 25-30 LIN. FT.	Drainage Pipe: 36 INCH H 1-10 LIN. FT.	FOUNDATION BACKFILL MATERIAL TP II CY	FLARED END SECTIONS GDOT 1120: 18 INCH EACH	FLARED END SECTIONS GDOT 1120: 36 INCH EACH	DROP INLETS: 9031S EACH	RIPRAP 36" TYPE 1 SY	RIPRAP 18" TYPE 3 SY	PLASTIC FILTER FABRIC SY	BOX CULVERT: BARRELS CLASS AA CONC CY	BARRELS REINF STEEL LB	WINGWALLS & PARAPETS & CONC APRONS (incl. both ends) CLASS AA CONC CY	WINGWALLS & PARAPETS & CONC APRONS (incl. both ends) REINF STEEL LB	FISH PASSAGE VEINS CLASS AA CONC CY	FISH PASSAGE VEINS REINF STEEL LB
B-1	108+48	LT	TRAIL A	24				1				5	5						
B-2	108+48	RT	TRAIL A					1											
D-1	125+69	RT	TRAIL A			42			1			23	23						
D-2	125+40	LT	TRAIL A						1										
E-1	126+51	RT	TRAIL A								85		85						
E-2	126+43	LT	TRAIL A				19							70	7022	52	2581	0.7	48
F-1	129+12	RT	TRAIL A								88		88						
F-2	129+07	LT	TRAIL A				16							59	5879	52	2581	0.6	42
G-1	131+91	LT	TRAIL A	63				1				6	6						
G-2	132+52	RT	TRAIL A	46						1									
G-2.1	132+50	RT	TRAIL A	22				1											
G-3	132+94	RT	TRAIL A							1									
I-1	114+00	LT	TRAIL A	20				1				4	4						
I-2	114+00	RT	TRAIL A					1											
J-1	141+87	LT	TRAIL A		70														
J-2	142+06	RT	TRAIL A					1											
K-1	143+66	LT	TRAIL A	47				1				4	4						
K-2	144+15	TL	TRAIL A					1											
TOTALS				**222**	**70**	**42**	**35**	**9**	**2**	**2**	**173**	**42**	**215**	**129**	**12901**	**104**	**5162**	**1**	**90**

DITCH PROTECTION QUANTITIES

ROAD NAME	STATIONS BEGIN	STATIONS END	OFFSET SIDE	DEPTH FT	WIDTH FT	TURF REINFORCEMENT MAT, TYPE 1 SY	TURF REINFORCEMENT MAT, TYPE 2 SY	CONC. DITCH PAVE - 4" SY
TRAIL A	100+00	105+00	RT	1	2	445		
TRAIL A	113+50	116+00	RT	1	2	223		
TRAIL A	116+00	123+25	RT	1	2		645	
TRAIL A	123+25	125+00	RT	1	2		117	
TRAIL A	129+50	131+10	LT	1	2	107		
TRAIL A	131+10	131+90	RT	1	2	72		
TRAIL A	133+00	136+00	RT	1	2	267		
SR 54	384+11	384+30	RT	1	2			17
SR 54	385+04	385+74	RT	1	2			63
TOTALS						**1114**	**762**	**80**

PLASTIC FILTER FABRIC
SY
762

SILT CONTROL GATE QUANTITIES

	TYPE 3 CONSTRUCT AND REMOVE EA	MAINT OF SILT CONTROL GATE, TP3 EA
	4	2
TOTAL	**4**	**2**

LANDSCAPE ARCHITECTURE QUANTITIES

	GRANITE FINE (M-10) SF	GR AGGR BASE CRS, INCL MATL TN	WASTE RECEPTACLE UNIT EA	6' BENCH EA	ARCHITECTURE CONSTUCTION(MAP KIOSK) LS	ORNAMENTAL FENCE (METAL EDGE RESTRAINT) LF	REM CH LK FENCE, ALL SIZES & TYPES LF	RESET CHAIN LINK FENCE, ALL SIZES & TYPES LF
TOTAL	**66**	**1.3**	**2**	**2**	**1**	**2175**	**76**	**76**

*NOTES: THREE KIOSKS AND THEIR FOOTINGS WILL BE PAID UNDER 999-0100 ARCHITECTURAL CONSTRUCTION (LS). KIOSK'S CONSTRUCTION DETAIL IS ON SHEET 3B-0003.

EROSION CONTROL QUANTITIES

	CONSTRUCT AND REMOVE TEMP SILT FENCE, TYPE C LF	MAITAIN TEMP SILT FENCE, TYPE C LF	CONSTR AND REM: ORANGE BARRIER FENCE LF	CONSTR AND REM: EMP SED BARRIE OR BALED STRAW CHK DAM LF	CONSTR AND REM: MAINT OF SED BARRIER LF	CONSTR AND REM TEMP DITCH CHECKS STONE PLAIN RIP RAP/SAND EA	MAINTAIN TEMP DITCH CHECKS ALL TYPES LF	RIP RAP TYPE 3 18" SY	PLASTIC FILTER FABRIC SY	WATER QUALITY MONITORING AND SAMPLING EA	WATER QUALITY INSPECTIONS MO	EROSION CONTROL MATS, SLOPES SY	CONST & REM: TEMPORARY SLOPE DRAIN LF	CONST & REM: SD2-F SEDIMENT TRAP EA	CONST & REM: CONSTRUCTION EXIT EA	CONST & REM: ROCK FILTER DAMS EA	MAINT: SD2-F SEDIMENT TRAP EA	MAINT: CONSTRUCTIO EXIT EA	MAINT: ROCK FILTER DAMS EA
TOTAL	**13300**	**6650**	**1070**	**1660**	**830**	**11**	**55**	**86**	**86**	**6**	**18**	**7300**	**252**	**3**	**5**	**6**	**3**	**5**	**6**

04/17/20-REVISED QUANTITIES OF RIP RAP

GEORGIA DEPARTMENT OF TRANSPORTATION

AECOM

REVISION DATES
04/17/20

SUMMARY QUANTITIES

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED: DATE: BACKCHECKED: DATE: CORRECTED: DATE: VERIFIED: DATE:

DRAWING No. 06-0001

7/31/2015 GPLN

GRASSING AND MULCHING QUANTITIES

	PERMANENT GRASSING AREA	TEMPORARY GRASSING AREA	AGR LIME	FERTILIZER MIXED GRADE - PERM	FERTILIZER MIXED GRADE - TEMP	FERTILIZER NITROGEN CONTENT	MULCH-PERMANENT GRASSING	MULCH-TEMPORARY GRASSING	MULCH-DISTURBED AREAS
			TN	TN	TN	LB	TN	TN	TN
	ACRES	ACRES	3 TN/AC	0.9 TN/AC	0.2 TN/AC	50 LB/AC	3 TN/AC	3 TN/AC	10 TN/AC
TOTAL	**6**	**3**	**18**	**6**	**1**	**287**	**18**	**9**	**71**

PAVEMENT MARKING QUANTITIES

	5" SOLID YELLOW	THERMO SOLID 5" YELLOW	THERMO WHITE 8" SOLID	PAINT WHITE 24" SOLID	THERMO WHITE 24" SOLID
	LM	LM	LF	LF	LF
TOTAL	**0.93**	**0.03**	**486**	**33**	**24**

SUMMARY OF QUANTITIES - STANDARD ROADSIDE SIGNS

ROADWAY	STATION	INSTL NO	HIGHWAY SIGNS						SQUARE TUBE POST		
			SIGN CODE	TP 1 MATL, REFL SHEETING TP 9			TP 1 MATL, REFL SHEETING TP 11			TYPE 7		
				SIZE	QYT	SQ FT	SIZE	QYT	SQ FT	LENGTH (FEET)	QYT	TOTAL LENGTH
TRAIL A	100+01 RT	1	R5-3	24X 24	1	4.00				12	1	12
TRAIL A	100+06 LT	2	R1-1				18 O	1	1.86	12	1	12
TRAIL A	100+26 RT	3	W1-5L				18 x 18	1	2.25	13	1	13
TRAIL A	101+50 LT	4	W3-1				18 x 18	1	2.25	13	1	13
TRAIL A	103+00 LT	5	W7-5				18 x 18	1	2.25	13	1	13
TRAIL A	103+90 RT	6	W7-5				18 x 18	1	2.25	13	1	13
TRAIL A	109+85 RT	7	W7-5				18 x 18	1	2.25	13	1	13
TRAIL A	115+15 RT	8	W7-5				18 x 18	1	2.25	13	1	13
TRAIL A	119+05 RT	9	W7-5				18 x 18	1	2.25	13	1	13
TRAIL A	121+80 RT	10	W7-5				18 x 18	1	2.25	13	1	13
TRAIL A	130+50 RT	11	W5-4A				18x 18	1	2.25	13	1	13
TRAIL A	134+00 LT	12	W5-4A				18x 18	1	2.25	13	1	13
TRAIL A	136+90 RT	13	W7-5				18 x 18	1	2.25	13	1	13
TRAIL A	137+33 RT	14	W3-1				18x 18	1	2.25	13	1	13
TRAIL A	138+55 RT	15	R1-1				18 O	1	1.86	12	1	12
TRAIL A	138+65 RT	16	R5-3	24X 24	1	4.00				12	1	12
TRAIL A	138+69 LT	17	W11-15				24 x 24	1	6.25	16	2	32
			W16-7P				24 X 12	1	2.00			
TRAIL A	139+10 LT	18	R5-3	24 x 24	1	4.00				12	1	12
TRAIL A	139+14 RT	19	W11-15				24 x 24	1	6.25	16	2	32
			W16-7P				24 X 12	1	2.00			
TRAIL A	139+19 LT	20	R1-1				18 O	1	1.86	12	1	12
TRAIL A	140+20 RT	21	W3-1				18x 18	1	2.25	13	1	13
TRAIL A	141+40 RT	22	W7-5				18X18	1	2.25	13	1	13
TRAIL A	141+75 RT	23	W7-5				18 x 18	1	2.25	13	1	13
TRAIL A	144+00 LT	24	W7-5				18 x 18	1	2.25	13	1	13
TRAIL A	146+82 LT	25	W1-5L				18 x 18	1	2.25	13	1	13
TRAIL B	10+15 LT	26	R1-1				18 O	1	1.86	12	1	12
TRAIL B	12+33 RT	27	W3-1				18 x 18	1	2.25	13	1	13
TRAIL B	13+19 LT	28	W1-5L				18 x 18	1	2.25	13	1	13
TRAIL B	13+31 LT	29	R5-3	24X 24	1	4.00				12	1	12
TRAIL B	13+32 RT	30	R1-1				18 O	1	1.86	12	1	12
TRAIL B	13+44 LT	31	W11-15				24 x 24	1	6.25	16	2	32
			W16-7P				24 X 12	1	2.00			
TRAIL B	14+03 RT	32	W11-15				24 x 24	1	6.25	16	2	32
			W16-7P				24 X 12	1	2.00			
TOTAL						16			85			483

SUMMARY OF QUANTITIES - MSE WALL 1

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
207-0203	230	CY	FOUND BKFILL MATL, TP 11
627-1000	61	SF	MSE WALL FACE, 0 - 10 FT HT, WALL NO - 1
627-1010	1011	SF	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 1
627-1020	3359	SF	MSE WALL FACE, 20 - 30 FT HT, WALL NO - 1
627-1030	3501	SF	MSE WALL FACE, GTR THAN 30 FT HT, WALL NO - 1
627-1100	61	LF	COPING A, WALL NO - 1
627-1120	256	LF	COPING B, WALL NO - 1

SUMMARY OF QUANTITIES - MSE WALL 2

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
627-1000	306	SF	MSE WALL FACE, 0 - 10 FT HT, WALL NO - 2
627-1010	2941	SF	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 2
627-1020	921	SF	MSE WALL FACE, 20 - 30 FT HT, WALL NO - 2
627-1100	116	LF	COPING A, WALL NO - 2
627-1120	158	LF	COPING B, WALL NO - 2
627-1180	9	CY	ADDITIONAL MSE BACKFILL

SUMMARY OF QUANTITIES - BRIDGE 1

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
500-3101	24	CY	CLASS A CONCRETE
511-1000	3020	LB	BAR REINF STEEL
520-1151	630	LF	PILING IN PLACE, STEEL H, HP 14 X 89
523-1100	2	EA	DYNAMIC PILE TESTING
534-1000	LUMP	LS	PEDESTRIAN OVERPASS BRIDGE, STA. - 142+90.31

GEORGIA DEPARTMENT OF TRANSPORTATION

AECOM

REVISION DATES

SUMMARY QUANTITIES

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED: DATE: | BACKCHECKED: DATE: | CORRECTED: DATE: | VERIFIED: DATE:

DRAWING No. 06-0002

QUANTITIES REQUIRED BY AMENDMENT

DATE	ITEM NO.	AMENDMENT DATE	AMENDMENT NUMBER	DESCRIPTION	UNIT	ORIGINAL QUANTITY	REQUIRED BY AMENDMENT QUANTITY

QUANTITIES REQUIRED ON CONSTRUCTION

DATE	ITEM NO.	DESCRIPTION	UNIT	ORIGINAL QUANTITY	PREVIOUS QUANTITY	REQUIRED ON CONSTRUCTION QUANTITY

LESTER ROAD

EXIST R/W

12'/SZ.UNK

N 32°26'11.3" E

P.C. 100+16.79

P.T. 101+21.06

P.C. 101+59.68

P.R.C. 102+20.86

P.T. 102+54.74

P.C. 103+47.81

P.T. 104+12.85

P.C. 104+85.55

100+00

101+00

102+00

103+00

104+00

105+00

WATCH LINE STA 105+00 SEE DRAWING 13-02

N

FAYETTE COUNTY SCHOOL DISTRICT

REQ'D R/W

EDGE OF TRAIL

TRAIL A

CURVE #1

CURVE #2

CURVE #3

CURVE #4

CURVE #5

N 17°13'20.9" W

N 4°07'22.0" W

W 20°43'09.1" E

BEGIN PROJECT
BEGIN CONSTRUCTION
TIE TO EXIST ASPHALT PATH
STA 100+00.00
EL 930.51
TRAIL A
N 1251773.9343
E 2191946.1328
STA 100+10
23.89' RT
EL 930.50

STA 100+17
47.31' RT
EL 930.50

4 SY TYPE 3 RIPRAP, 18" THK

CONSTRUCT 25'-2' LEVEL SPREADER DITCH W/ 2:1 SLOPES, 0.5' DEEP AND 0% LONG. SLOPE

APPROX. LLL/LD

LL 7

LL 97

STONEBRIAR PHASE THREE

WOODSLINE

WOOD FENCE

6'-8' PINES

1PF 1/2" REBAR

Curve° 1
PI Sta° 100+72.17
N° 1251834.85
E° 2191984.84
DELTA° 49°39'32.3" (LT)
D° 47°21'06.78"
T° 55.99
L° 104.87
R° 121.00
E° 12.32

Curve° 2
PI Sta° 101+90.84
N° 1251954.98
E° 2191947.61
DELTA° 26°57'54.3" (RT)
D° 44°04'25.24"
T° 31.17
L° 61.18
R° 130.00
E° 3.68

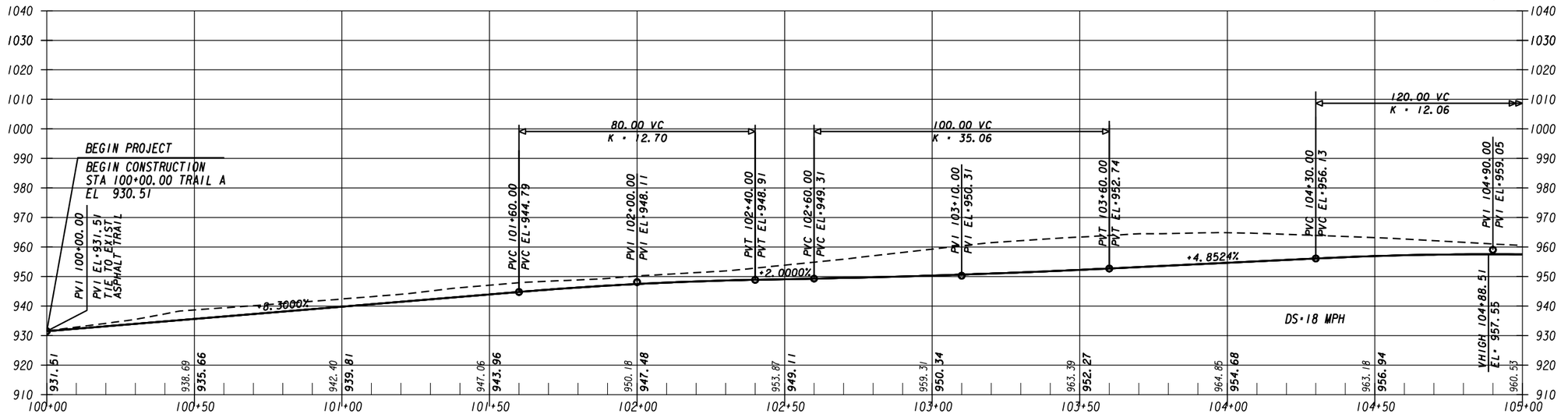
Curve° 3
PI Sta° 102+37.88
N° 1252002.47
E° 2191955.76
DELTA° 13°51'55.3" (LT)
D° 40°55'32.00"
T° 17.02
L° 33.88
R° 140.00
E° 1.03

Curve° 4
PI Sta° 103+80.85
N° 1252145.24
E° 2191945.47
DELTA° 24°50'31.1" (RT)
D° 38°11'49.87"
T° 33.04
L° 65.04
R° 150.00
E° 3.60

Curve° 5
PI Sta° 105+05.77
N° 1252263.05
E° 2191990.03
DELTA° 17°40'49.1" (LT)
D° 44°04'25.24"
T° 20.22
L° 40.12
R° 130.00
E° 1.56

CONTROL POINT TABLE

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
D-1	100+49.16	32.63' RT	1251808.0361	2191999.7464	935.591	CAPPED 60D NAIL
D-2	101+92.77	9.23' RT	1251957.2939	2191941.9209	939.211	CAPPED 60D NAIL
D-3	103+70.59	3.18' RT	1252135.2936	2191944.7630	953.251	CAPPED 60D NAIL
D-4	104+92.79	14.02' RT	1252246.7550	2191998.6251	957.545	CAPPED 60D NAIL



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
ORANGE BARRIER FENCE

GEORGIA DEPARTMENT OF TRANSPORTATION

AECOM

SCALE IN FEET
0 20 40 80

REVISION DATES

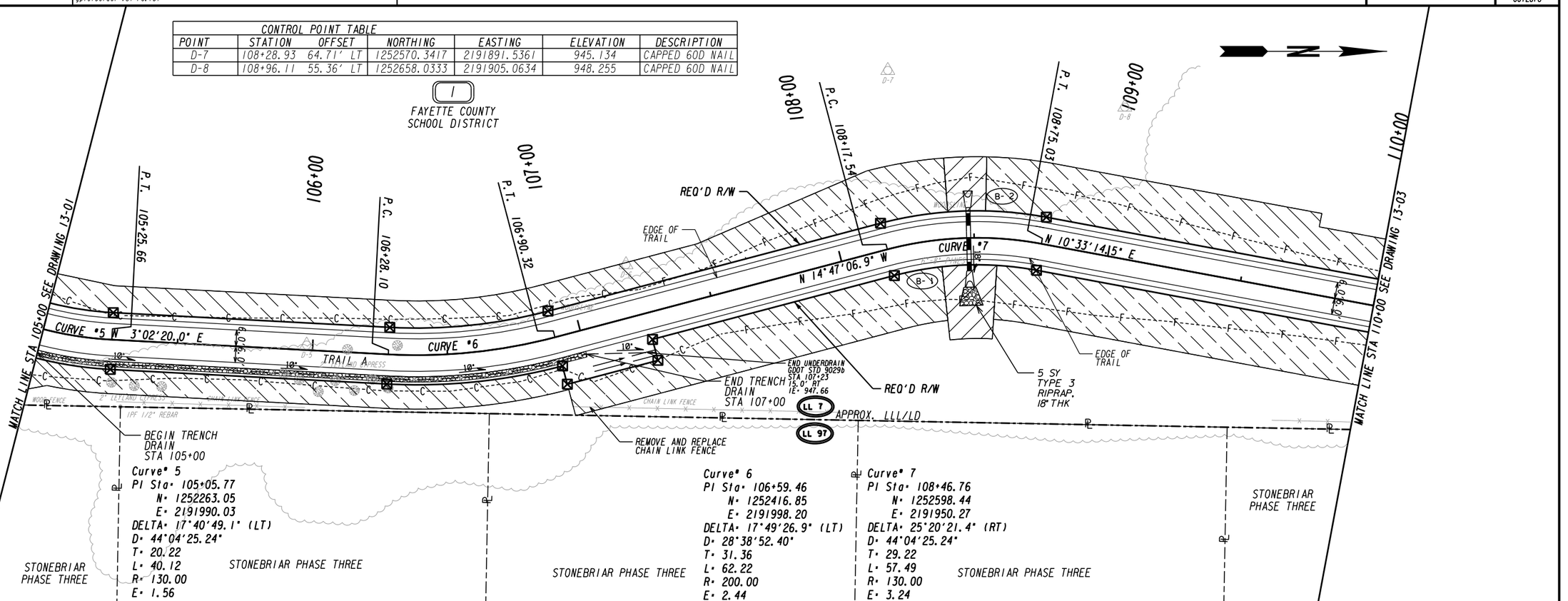
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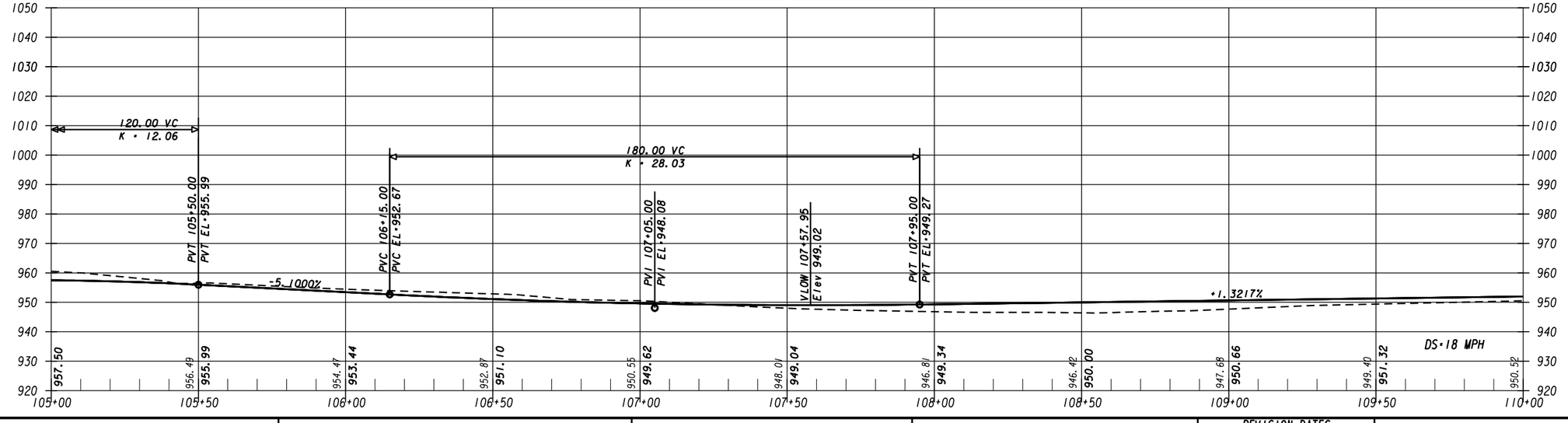
SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	13-0001
CORRECTED:		DATE:	
VERIFIED:		DATE:	

7/31/2015 GPLN

CONTROL POINT TABLE						
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
D-7	108+28.93	64.71' LT	1252570.3417	2191891.5361	945.134	CAPPED 60D NAIL
D-8	108+96.11	55.36' LT	1252658.0333	2191905.0634	948.255	CAPPED 60D NAIL





PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
ORANGE BARRIER FENCE

GEORGIA DEPARTMENT OF TRANSPORTATION

AECOM

SCALE IN FEET 0 20 40 80

REVISION DATES

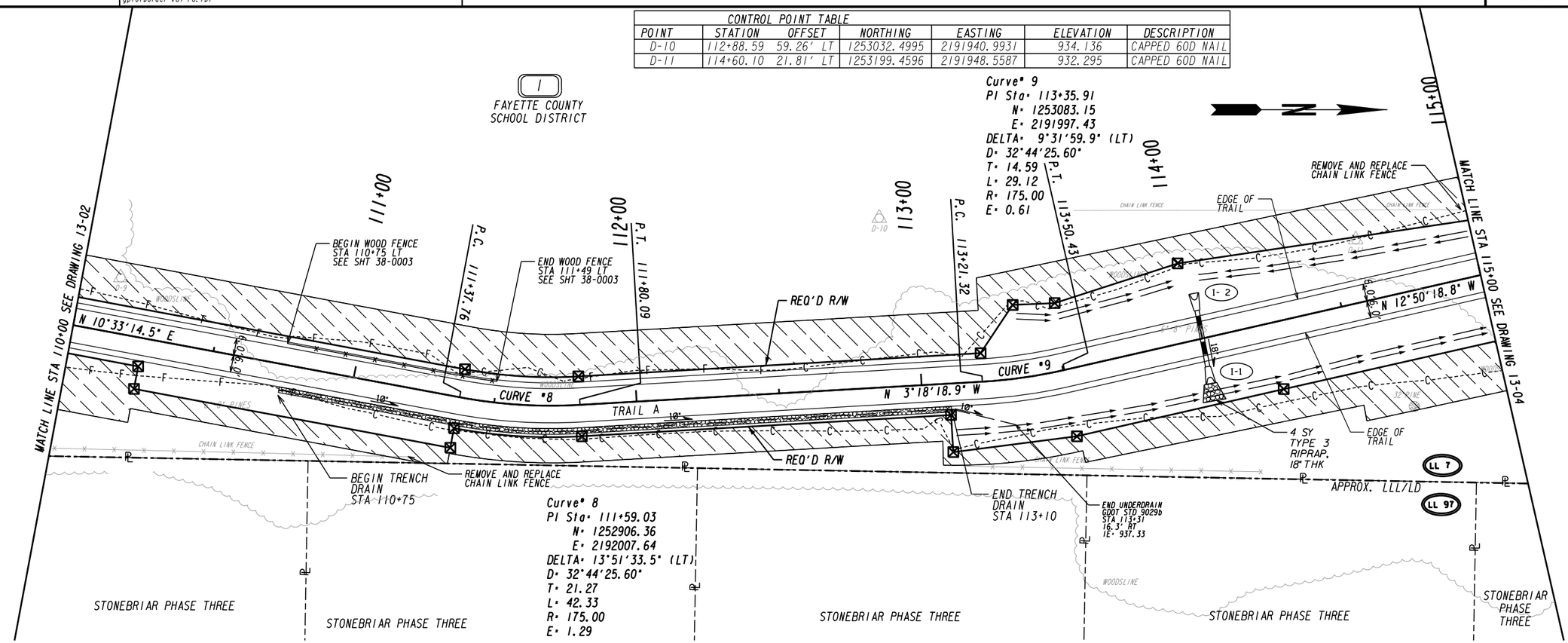
MAINLINE PLAN

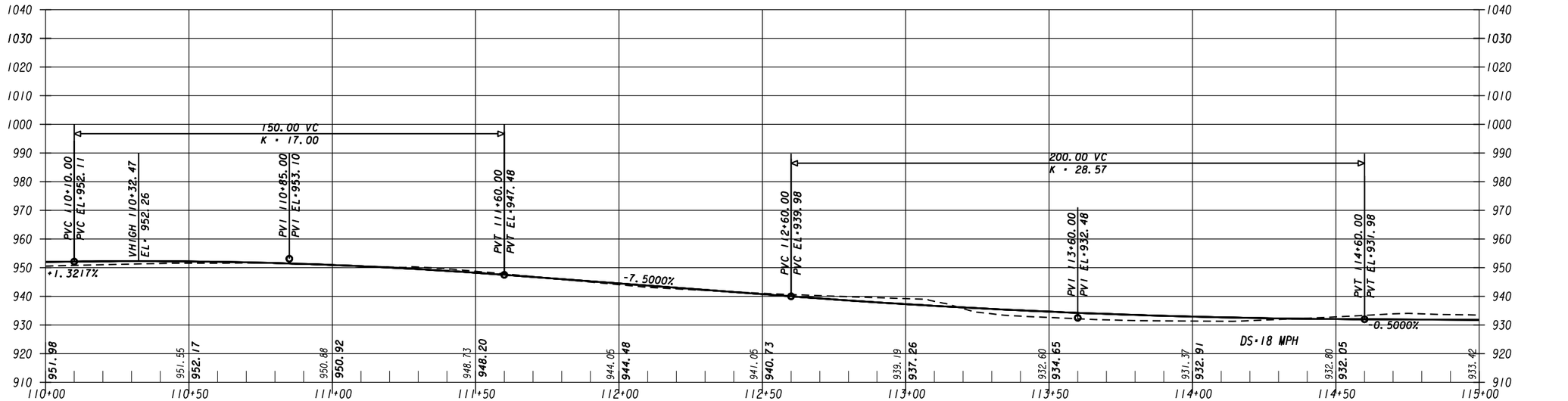
SR 54 MULTI-USE TRAIL & BRIDGE

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BACKCHECKED:		DATE:		13-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN

CONTROL POINT TABLE					
POINT	STATION OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
D-10	112+88.59 59.26' LT	1253032.4995	2191940.9931	934.136	CAPPED 60D NAIL
D-11	114+60.10 21.81' LT	1253199.4596	2191948.5587	932.295	CAPPED 60D NAIL





PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
ORANGE BARRIER FENCE

GEORGIA DEPARTMENT OF TRANSPORTATION

AECOM

SCALE IN FEET
0 20 40 80

REVISION DATES

MAINLINE PLAN

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	13-0003
CORRECTED:		DATE:	
VERIFIED:		DATE:	

7/31/2015 GPLN

CONTROL POINT TABLE						
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
D-12	115+62.60	44.72' RT	1253299.6664	2191998.5368	937.065	CAPPED 60D NAIL

1 FAYETTE COUNTY SCHOOL DISTRICT

2 UNIFIED CONSULTANTS GROUP INC.

Curve• 10
PI Sta• 115+71.54
N• 1253312.96
E• 2191945.06
DELTA• 45°22'24.2" (RT)
D• 47°21'06.78"
T• 50.58
L• 95.82
R• 121.00
E• 10.15

Curve• 11
PI Sta• 116+88.85
N• 1253416.36
E• 2192011.02
DELTA• 51°19'30.7" (LT)
D• 38°11'49.87"
T• 72.07
L• 134.37
R• 150.00
E• 16.42

Curve• 12
PI Sta• 117+72.70
N• 1253504.99
E• 2191980.87
DELTA• 16°20'58.1" (RT)
D• 38°11'49.87"
T• 21.55
L• 42.80
R• 150.00
E• 1.54

MATCH LINE STA 115+00 SEE DRAWING 13-03

MATCH LINE STA 120+00 SEE DRAWING 13-05

N 12°50'18.8" W

N 2°26'27.1" W

CURVE •10

CURVE •11

CURVE •12

TRAIL A

P.C. 115+20.96

P.R.C. 116+16.78

P.R.C. 117+51.15

P.T. 117+93.95

SSMH 931.78
I.E. IN 923.74
I.E. OUT 923.60

CONTRACTOR TO ADJUST TO GRADE

CONTRACTOR NOT TO CROSS ORANGE BARRIER FENCE

REQ'D R/W

EDGE OF TRAIL

6'-0"

6'-8" PINES

30" DOUBLE OAK

26" OAK

30" OAK

WOODSLINE

CHAIN LINK FENCE

IPF 1/2" REBAR

IPF 3/4"DTP

APPROX. LLL/LD

LL 7 LL 8 LL 97 LL128

ESA

STONEBRIAR PHASE THREE

ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS.

100.00 VC
K • 13.33

180.00 VC
K • 29.47

100.00 VC
K • 15.61

PVC 115+65.00
PVC EL•931.45

PVI 116+15.00
PVI EL•931.20

PVT 116+65.00
PVT EL•927.20

PVC 117+75.00
PVC EL•918.40

PVI 118+65.00
PVI EL•911.20

PVT 119+55.00
PVT EL• 909.50

PVC 119+55.00
PVC EL• 909.50

-0.5000%

-8.0000%

DS•18 MPH

931.78 933.90 931.53 934.46 930.82 933.49 928.32 929.70 924.40 922.89 920.40 920.68 916.51 920.94 913.36 919.48 911.05 915.81 909.60 911.51

1020 1010 1000 990 980 970 960 950 940 930 920 910 900 890

115+00 115+50 116+00 116+50 117+00 117+50 118+00 118+50 119+00 119+50 120+00

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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ORANGE BARRIER FENCE

GEORGIA DEPARTMENT OF TRANSPORTATION

AECOM

SCALE IN FEET
0 20 40 80

REVISION DATES

MAINLINE PLAN

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		13-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN

CONTROL POINT TABLE						
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
D-15	120+73.51	25.05' RT	1253806.8896	2191993.0671	905.052	CAPPED 60D NAIL
D-16	122+04.65	62.19' RT	1253939.4888	2192024.5881	901.154	CAPPED 60D NAIL

Curve° 13
PI Sta° 122+51.91
N° 1253984.07
E° 2191960.44
DELTA° 20°59'46.4" (RT)
D° 7°38'21.97"
T° 138.98
L° 274.84
R° 750.00
E° 12.77

ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS.

WATCH LINE STA 120+00 SEE DRAWING 13-04

WATCH LINE STA 125+00 SEE DRAWING 13-06

121+00 | 122+00 | 123+00 | 124+00 | 125+00

2 UNIFIED CONSULTANTS GROUP INC.

BEGIN WOOD FENCE STA 122+00 LT SEE SHT 38-0003

REQ'D R/W

EDGE OF TRAIL

Wetland 1

ESA - WETLAND °1 BOUNDARY

ESA - 25' Stream Buffer

Intermittent Stream °3 TOP OF BANK

TOP OF BANK

ESA - WETLAND °1 BOUNDARY

CONTRACTOR NOT TO CROSS ORANGE BARRIER FENCE

TRAIL A

N 2°26'27.1" W

CURVE °13

CURVE °14

0.16' Q

CONTRACTOR NOT TO CROSS ORANGE BARRIER FENCE

P.C. 121+12.94

REQ'D R/W

EDGE OF TRAIL

2 UNIFIED CONSULTANTS GROUP INC.

BEGIN WOOD FENCE STA 123+25 RT SEE SHT 38-0003

P.R.C. 123+87.78

LL 8

APPROX. LLL/LD

ESA

LL28

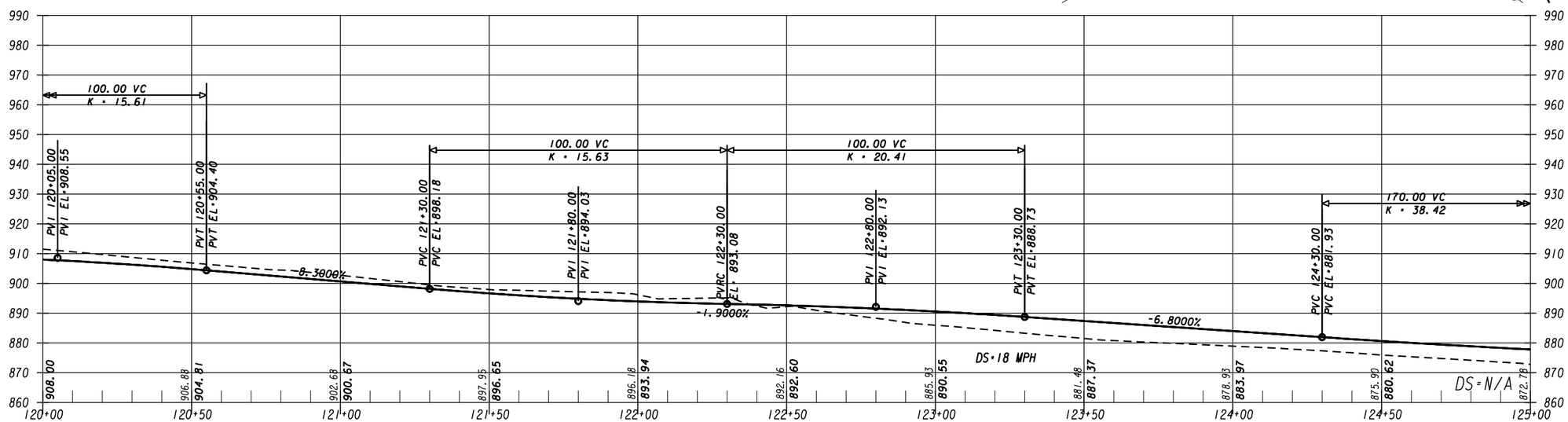
IPF 1/2" REBAR

WOOD FENCE

7 SY TYPE 3 RIPRAP 18" THK

Curve° 14
PI Sta° 124+55.10
N° 1254179.64
E° 2192026.09
DELTA° 51°21'49.4" (LT)
D° 40°55'32.00"
T° 67.32
L° 125.51
R° 140.00
E° 15.35

ESA - 25' OPEN WATER BUFFER



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
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EASEMENT FOR CONSTR OF DRIVES

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ORANGE BARRIER FENCE

GEORGIA DEPARTMENT OF TRANSPORTATION

AECOM

SCALE IN FEET 0 20 40 80

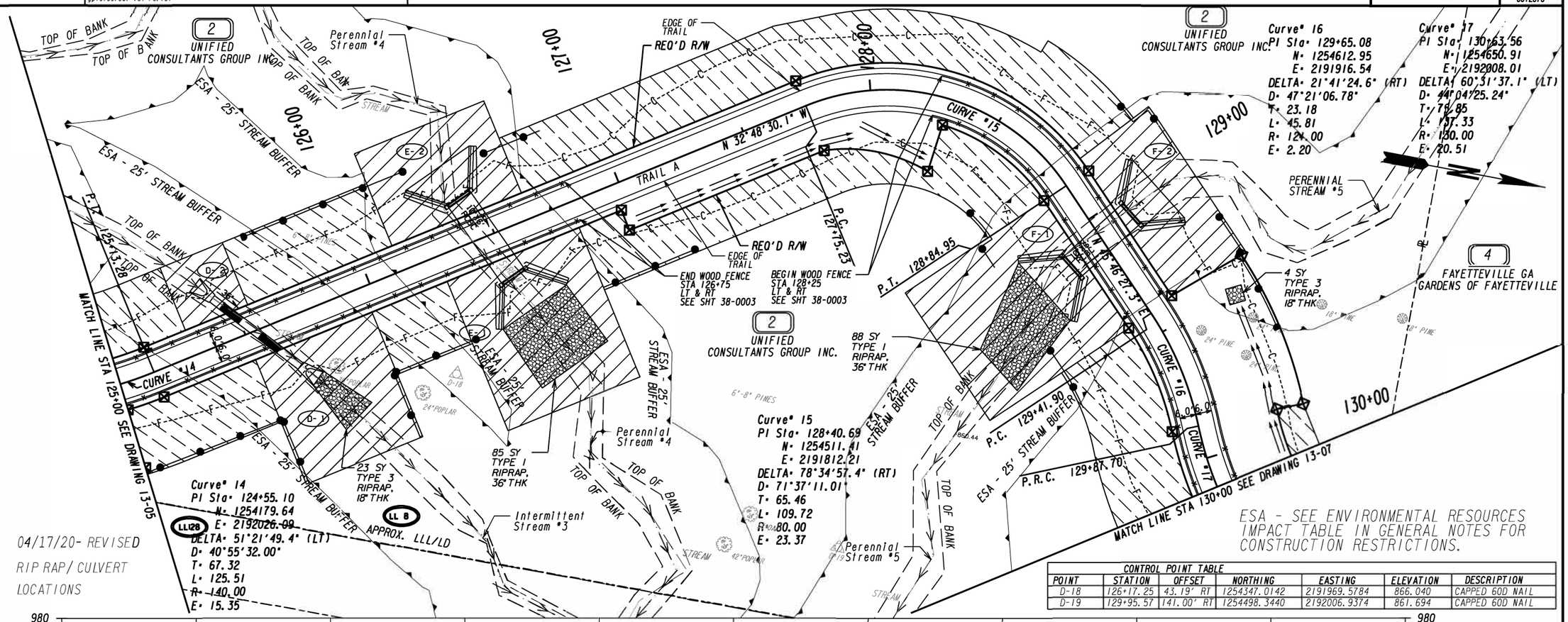
REVISION DATES

MAINLINE PLAN

SR 54 MULTI-USE TRAIL & BRIDGE

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BACKCHECKED:		DATE:	13-0005
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VERIFIED:		DATE:	

7/31/2015 GPLN

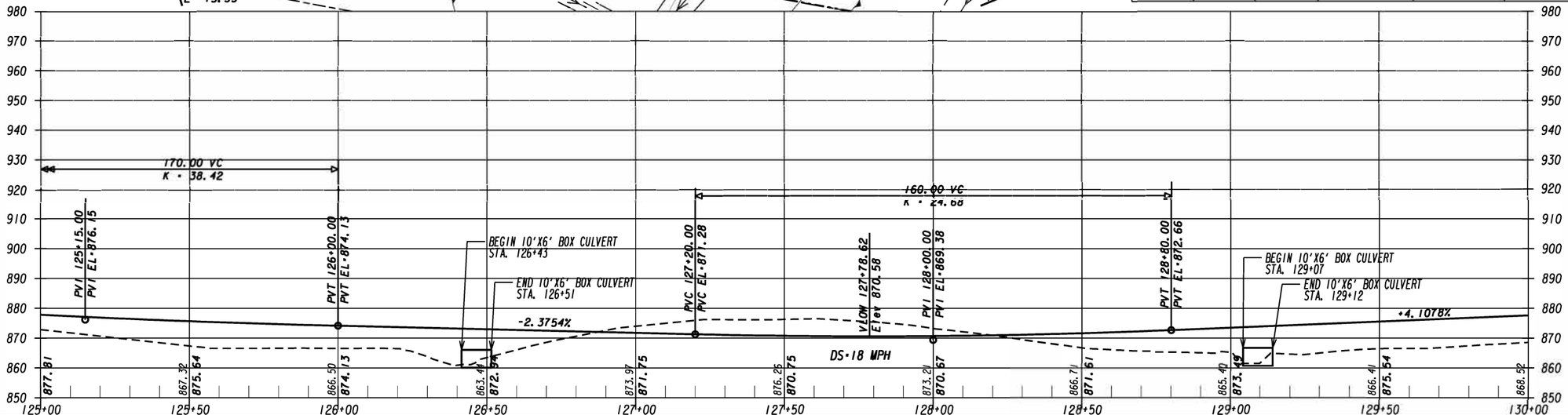


04/17/20- REVISED RIP RAP/ CULVERT LOCATIONS

ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS.

CONTROL POINT TABLE

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
D-18	126+17.25	43.19' RT	1254347.0142	2191969.5784	866.040	CAPPED 60D NAIL
D-19	129+95.57	141.00' RT	1254498.3440	2192006.9374	861.694	CAPPED 60D NAIL



PROPERTY AND EXISTING R/W LINE
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ORANGE BARRIER FENCE

GEORGIA DEPARTMENT OF TRANSPORTATION

AECOM

SCALE IN FEET 0 20 40 80

REVISION DATES
04/17/20

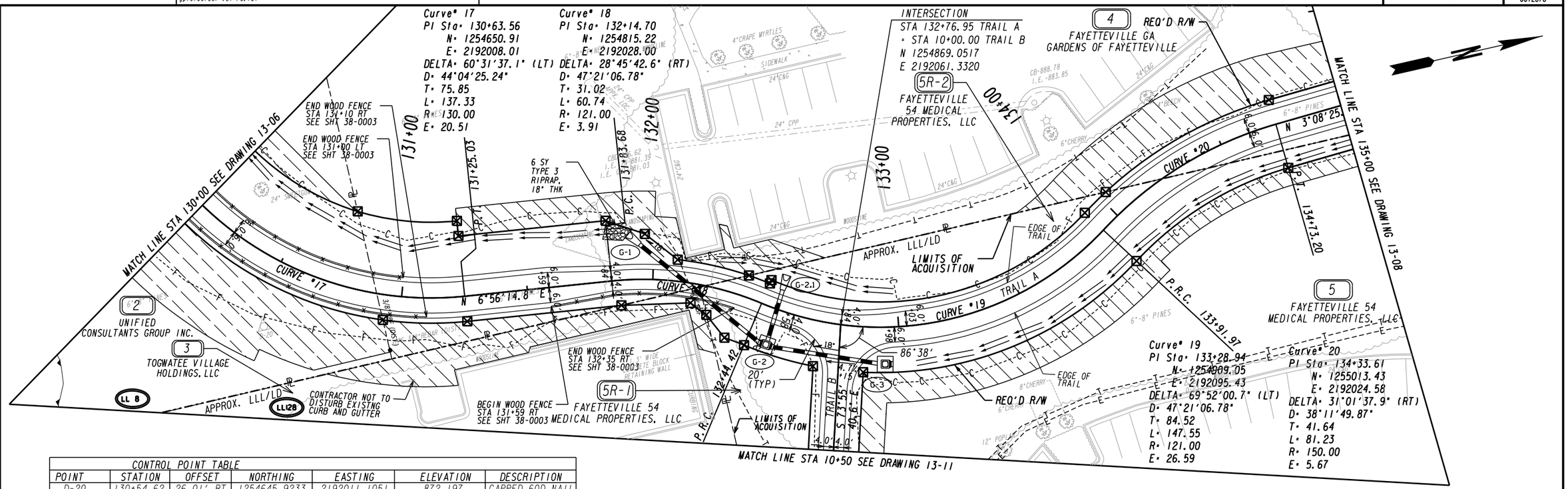
MAINLINE PLAN

SR 54 MULTI-USE TRAIL & BRIDGE

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VERIFIED: DATE:

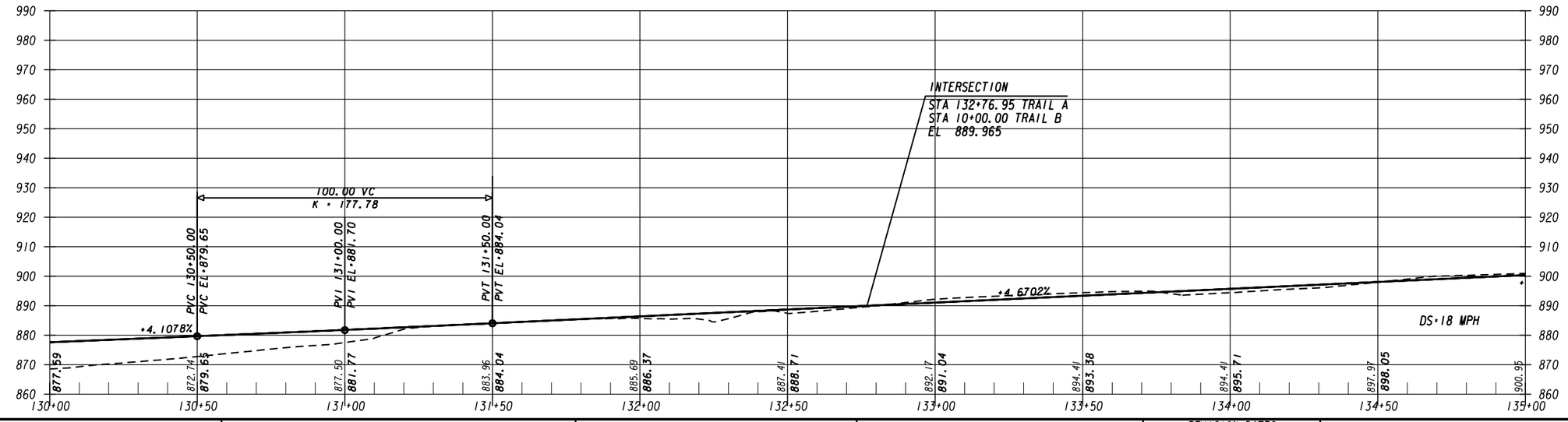
DRAWING No. 13-0006

7/31/2015 GPLN



CONTROL POINT TABLE

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
D-20	130+54.62	26.01' RT	1254645.9233	2192011.1051	872.197	CAPPED 60D NAIL
D-23	133+78.98	66.87' RT	1254999.2695	2192113.7034	895.684	CAPPED 60D NAIL



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
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ORANGE BARRIER FENCE

GEORGIA DEPARTMENT OF TRANSPORTATION

AECOM

SCALE IN FEET
0 20 40 80

REVISION DATES

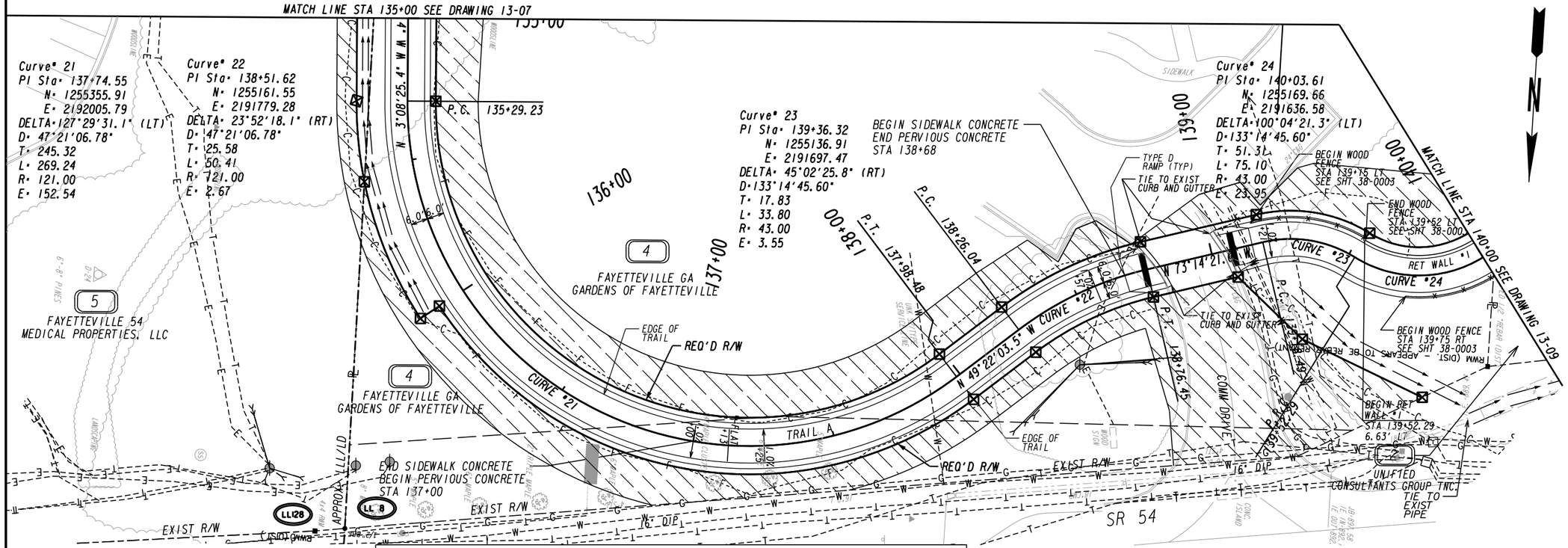
MAINLINE PLAN

SR 54 MULTI-USE TRAIL & BRIDGE

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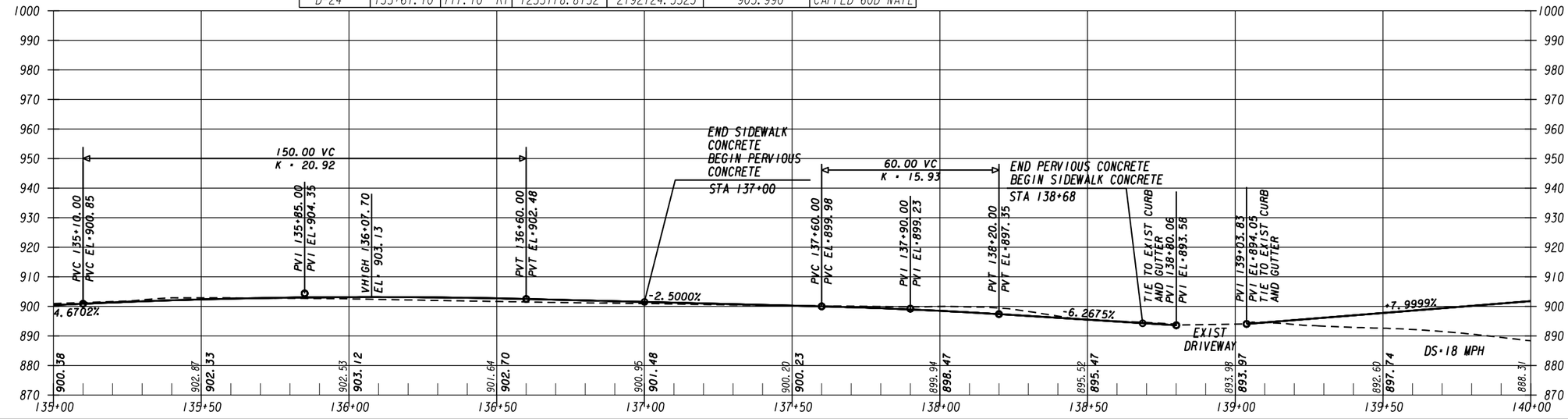
DRAWING No. 13-0007

7/31/2015 GPLN



CONTROL POINT TABLE

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
D-24	135+61.10	117.10' RT	1255178.8152	2192124.5523	905.990	CAPPED 60D NAIL



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
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EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

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GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

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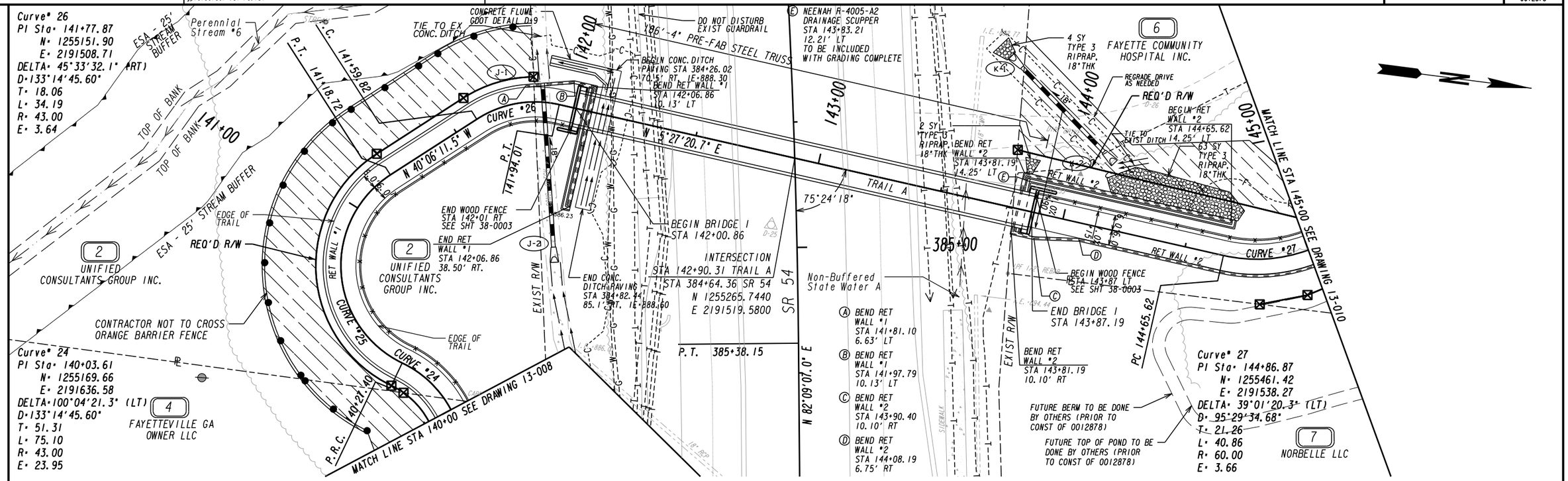
REVISION DATES

MAINLINE PLAN

SR 54 MULTI-USE TRAIL & BRIDGE

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BACKCHECKED:		DATE:	
CORRECTED:		DATE:	13-0008
VERIFIED:		DATE:	

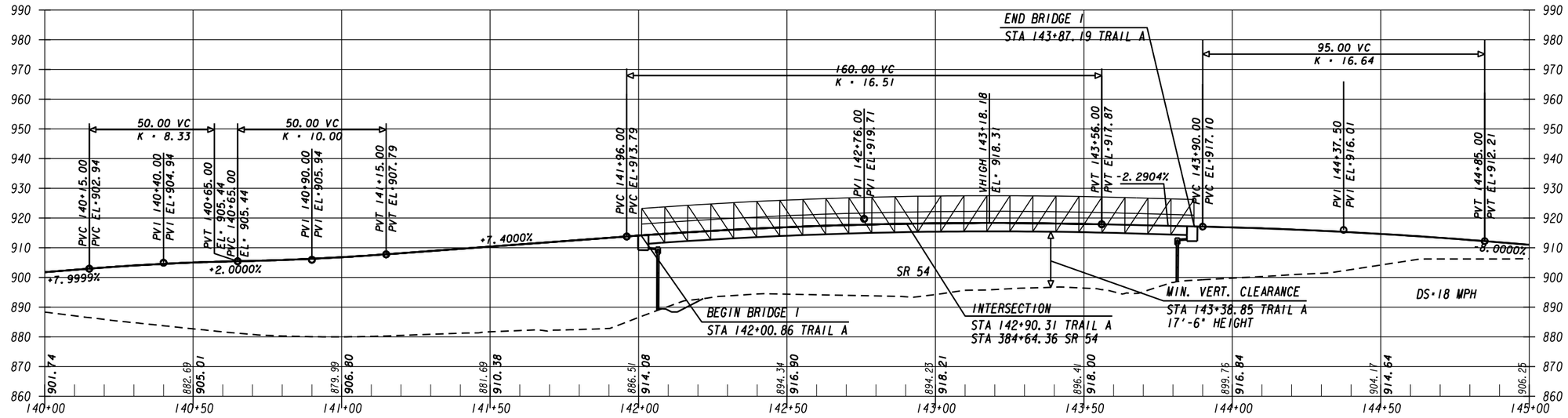
7/31/2015 GPLN



ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS.

CONTROL POINT TABLE

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
D-25	142+87.05	28.02' RT	1255259.8378	2191547.1600	894.599	CAPPED 60D NAIL
D-26	144+24.13	55.85' LT	1255404.2661	2191476.7053	900.708	CAPPED 60D NAIL



PROPERTY AND EXISTING R/W LINE
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GEORGIA DEPARTMENT OF TRANSPORTATION

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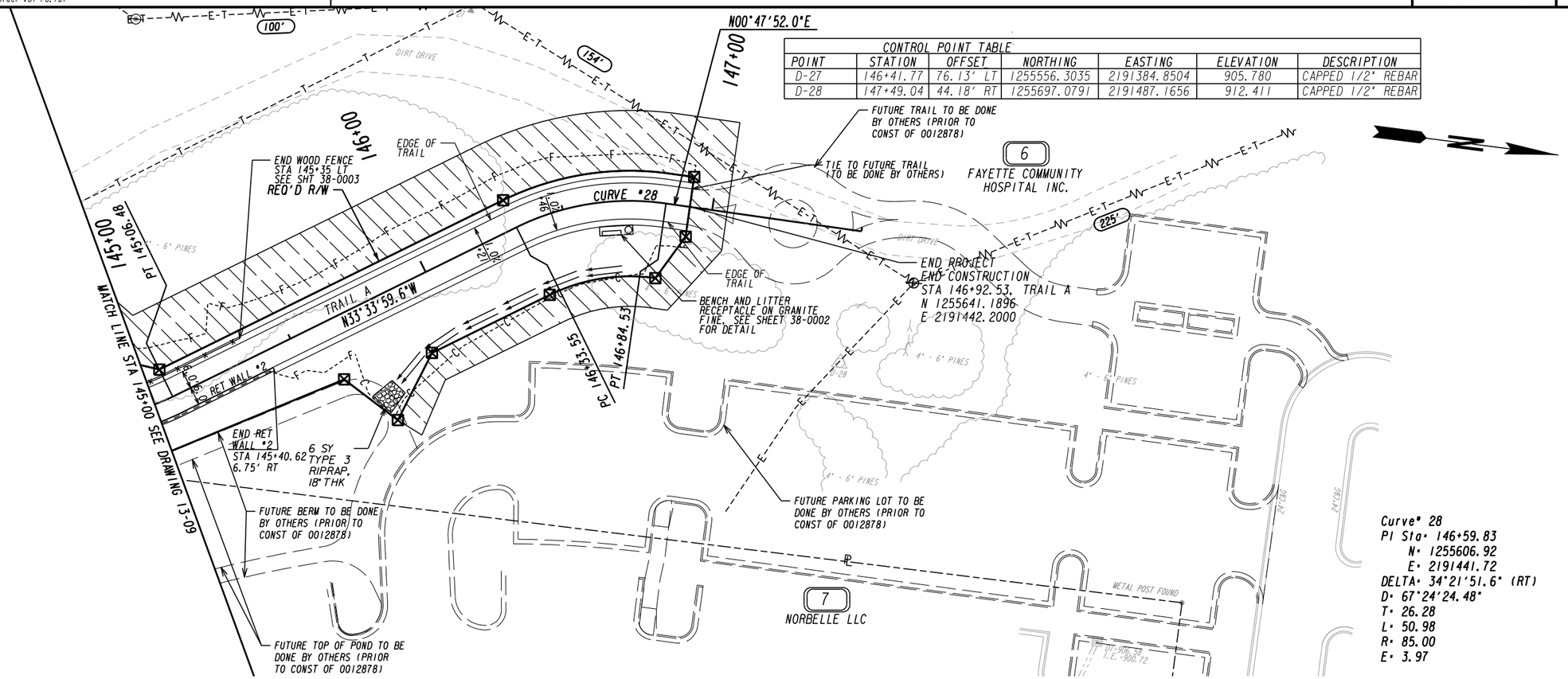
MAINLINE PLAN

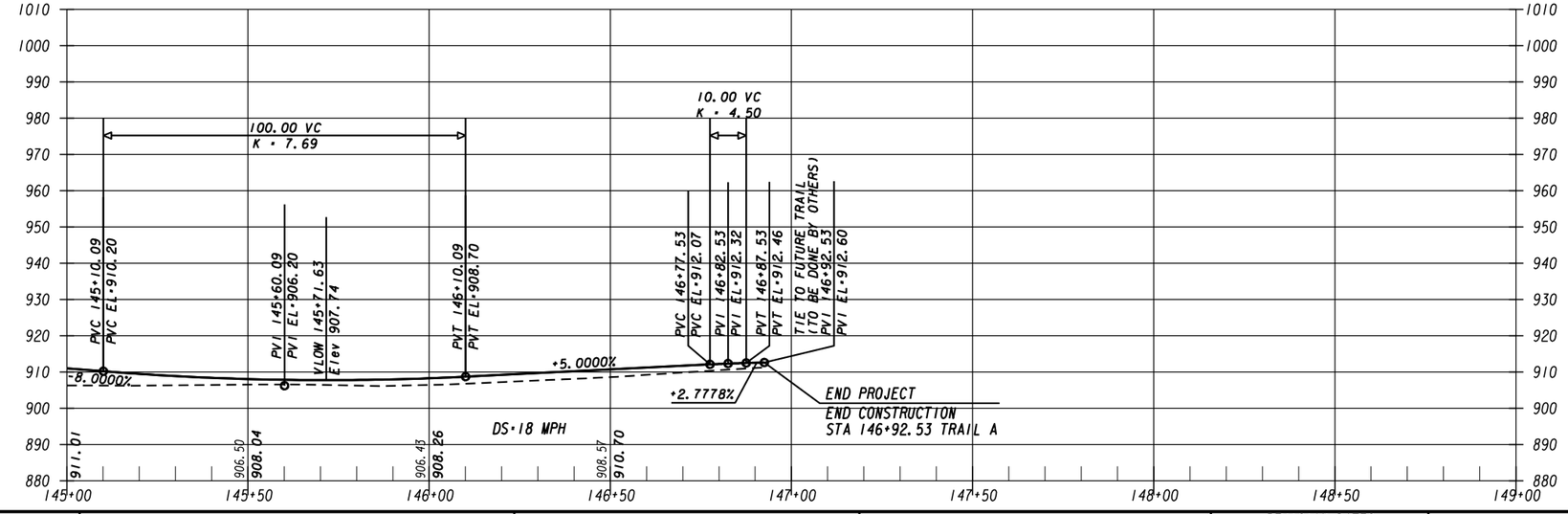
SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		13-0009
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN

CONTROL POINT TABLE						
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
D-27	146+41.77	76.13' LT	1255556.3035	2191384.8504	905.780	CAPPED 1/2" REBAR
D-28	147+49.04	44.18' RT	1255697.0791	2191487.1656	912.411	CAPPED 1/2" REBAR





PROPERTY AND EXISTING R/W LINE
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GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

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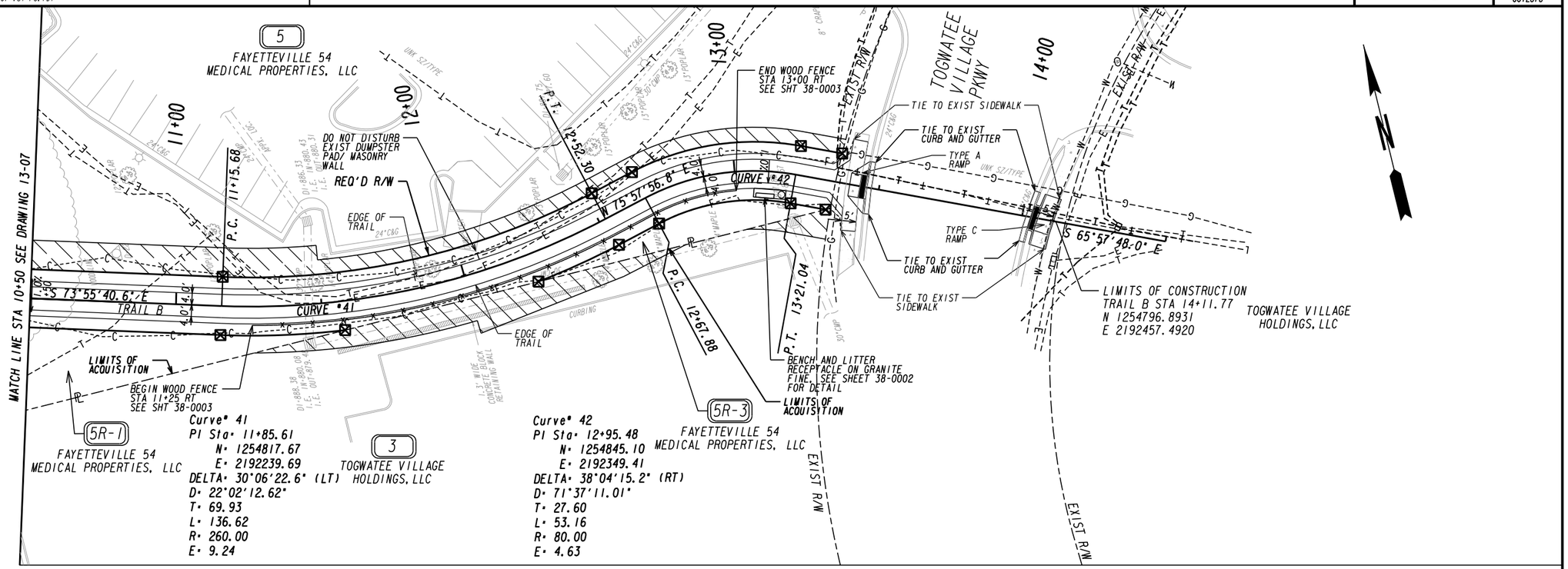
REVISION DATES

MAINLINE PLAN

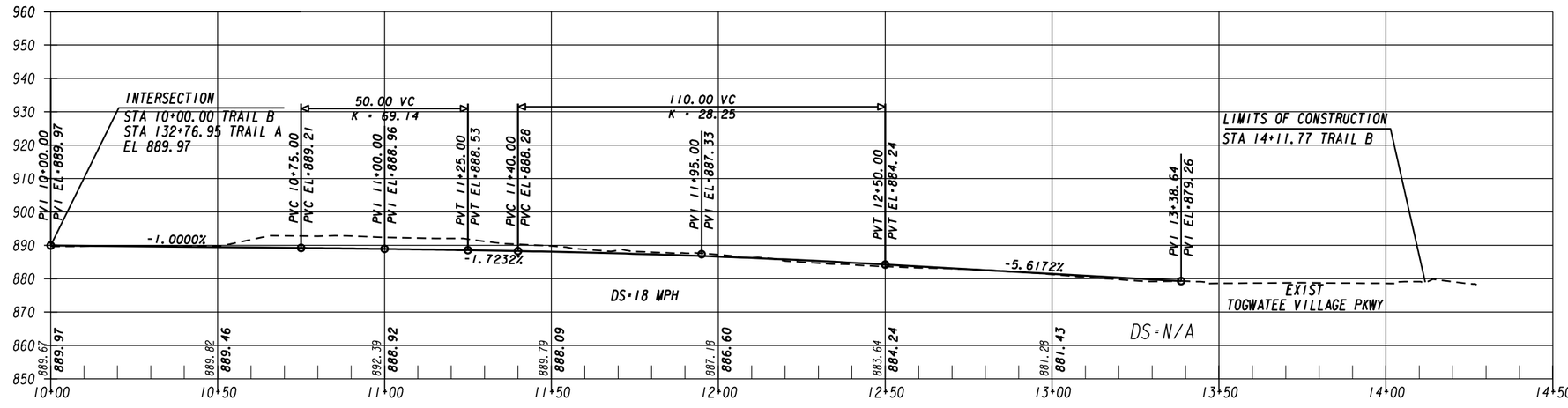
SR 54 MULTI-USE TRAIL & BRIDGE

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CORRECTED:		DATE:	13-0010
VERIFIED:		DATE:	

7/31/2015 GPLN



CONTROL POINT TABLE						
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
D-22	10+78.90	16.57' LT	1254863.1305	2192141.7352	893.835	CAPPED 60D NAIL



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GEORGIA DEPARTMENT OF TRANSPORTATION

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REVISION DATES

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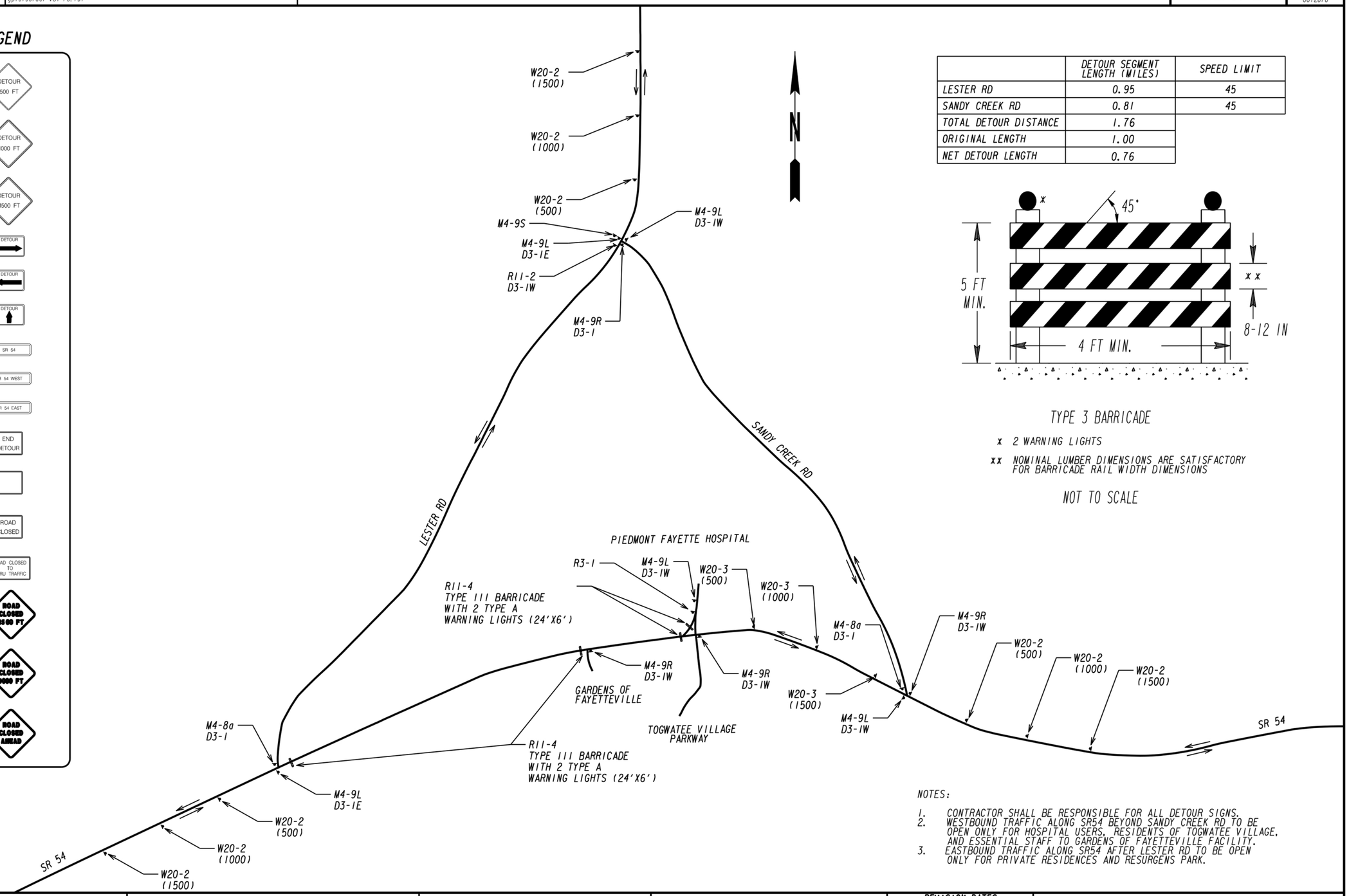
SR 54 MULTI-USE TRAIL & BRIDGE

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CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN

SIGN LEGEND

W20-2(500)	DETOUR 500 FT
W20-2(1000)	DETOUR 1000 FT
W20-2(1500)	DETOUR 1500 FT
M4-9R	DETOUR →
M4-9L	DETOUR ←
M4-9S	DETOUR ↑
D3-1	SR 54
D3-1W	SR 54 WEST
D3-1E	SR 54 EAST
M4-8a	END DETOUR
R3-1	
R11-2	ROAD CLOSED
R11-4	ROAD CLOSED TO THRU TRAFFIC
W20-3 (1500)	ROAD CLOSED 1500 FT
W20-3 (1000)	ROAD CLOSED 1000 FT
W20-3 (AHEAD)	ROAD CLOSED AHEAD



	DETOUR SEGMENT LENGTH (MILES)	SPEED LIMIT
LESTER RD	0.95	45
SANDY CREEK RD	0.81	45
TOTAL DETOUR DISTANCE	1.76	
ORIGINAL LENGTH	1.00	
NET DETOUR LENGTH	0.76	

TYPE 3 BARRICADE

x 2 WARNING LIGHTS

xx NOMINAL LUMBER DIMENSIONS ARE SATISFACTORY FOR BARRICADE RAIL WIDTH DIMENSIONS

NOT TO SCALE

NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DETOUR SIGNS.
2. WESTBOUND TRAFFIC ALONG SR54 BEYOND SANDY CREEK RD TO BE OPEN ONLY FOR HOSPITAL USERS, RESIDENTS OF TOGWATEE VILLAGE, AND ESSENTIAL STAFF TO GARDENS OF FAYETTEVILLE FACILITY.
3. EASTBOUND TRAFFIC ALONG SR54 AFTER LESTER RD TO BE OPEN ONLY FOR PRIVATE RESIDENCES AND RESURGENS PARK.

AECOM

NOT TO SCALE

REVISION DATES

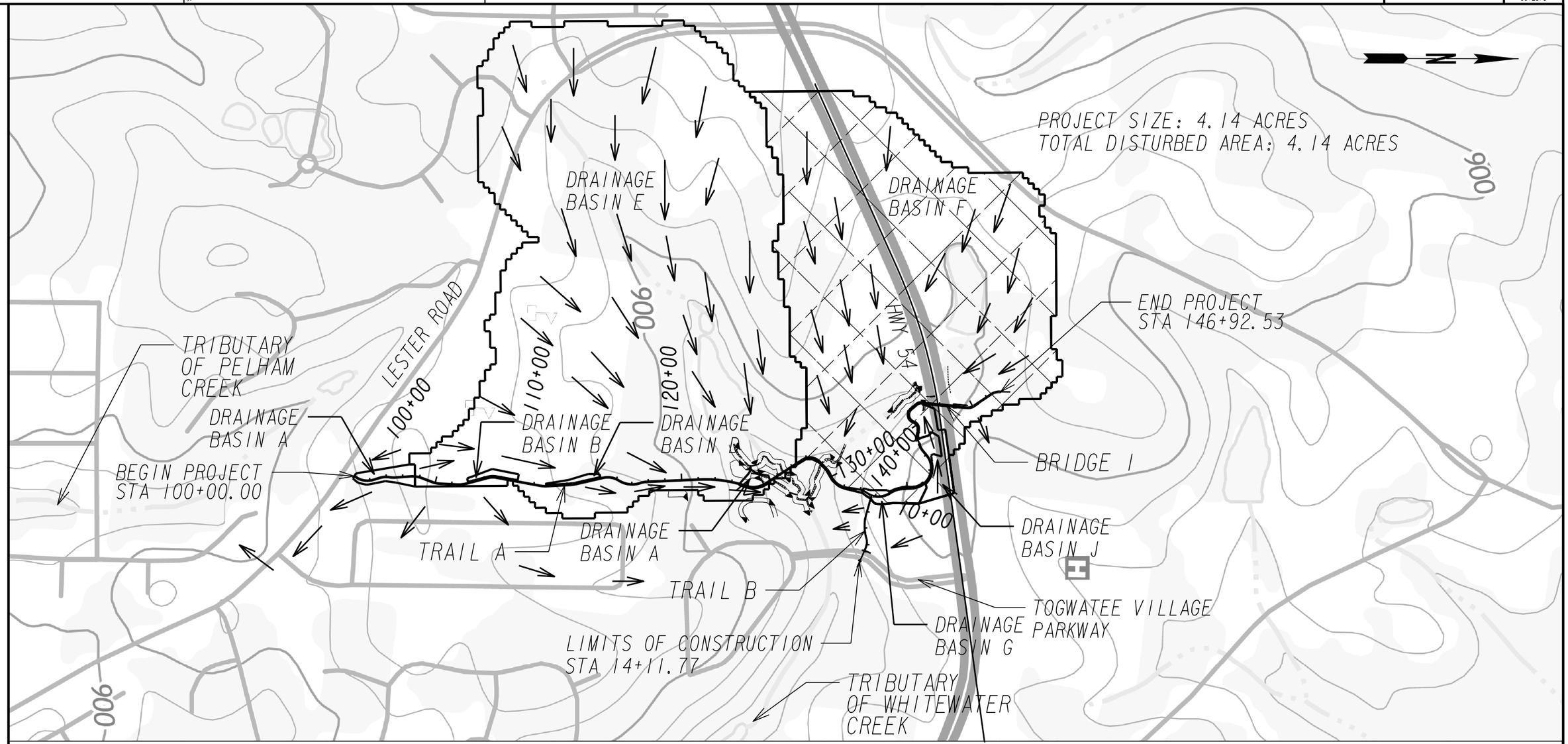
04/20/20		

STAGING DETAILS

DETOUR PLAN-SR 54

STAGE 1

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		20-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		



Drainage Table

Basin	Station	Offset (ft)	Proposed Size	Area (ac)	Pre-Construction C	Pre-Construction Flow (cfs) 50 Yr	Pre-Construction Flow (cfs) 100 Yr	Pre-Construction Velocity(f/s) 50 Yr	Pre-Construction Velocity(f/s) 100 Yr	Pre-Construction HW Elev. (ft) 50 Yr	Pre-Construction HW Elev. (ft) 100 Yr	Post Construction C	Post Construction Flow (cfs) 50 Yr	Post Construction Flow (cfs) 100 Yr	Post Construction Velocity(f/s) 50 Yr	Post Construction Velocity(f/s) 100 Yr	Post Construction HW Elev. (ft) 50 Yr	Post Construction HW Elev. (ft) 100 Yr	Outfall Slope (%)	Receiving Stream	Disturbed Area (ac)
A-1	100+13.86	21-RT	N/A	0.73	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.40	3.22	3.50	N/A	N/A	N/A	N/A		Tributary of Pelham Creek	0.40
D-1	125+69.00	25-RT	36"	0.28	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.38	1.17	1.33	3.43	3.75	867.61	867.67	2.40	Tributary of Whitewater Creek	0.01
E-1	126+51.00	21-RT	10' X 6' RCBC	114.88	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.40	289.40	322.30	10.54	10.99	865.92	866.44	2.50	Tributary of Whitewater Creek	2.03
F-1	129+12.00	20-RT	10' X 6' RCBC	70.06	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.46	201.70	225.40	8.63	9.58	866.52	866.86	1.30	Tributary of Whitewater Creek	0.71
K-1	143+65.55	59-LT	18"	0.45	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.44	2.21	2.50	6.05	6.27	895.97	896.03		Tributary of Whitewater Creek	0.09

GEORGIA DEPARTMENT OF TRANSPORTATION

AECOM

SCALE IN FEET
0 300 600 1200

REVISION DATES

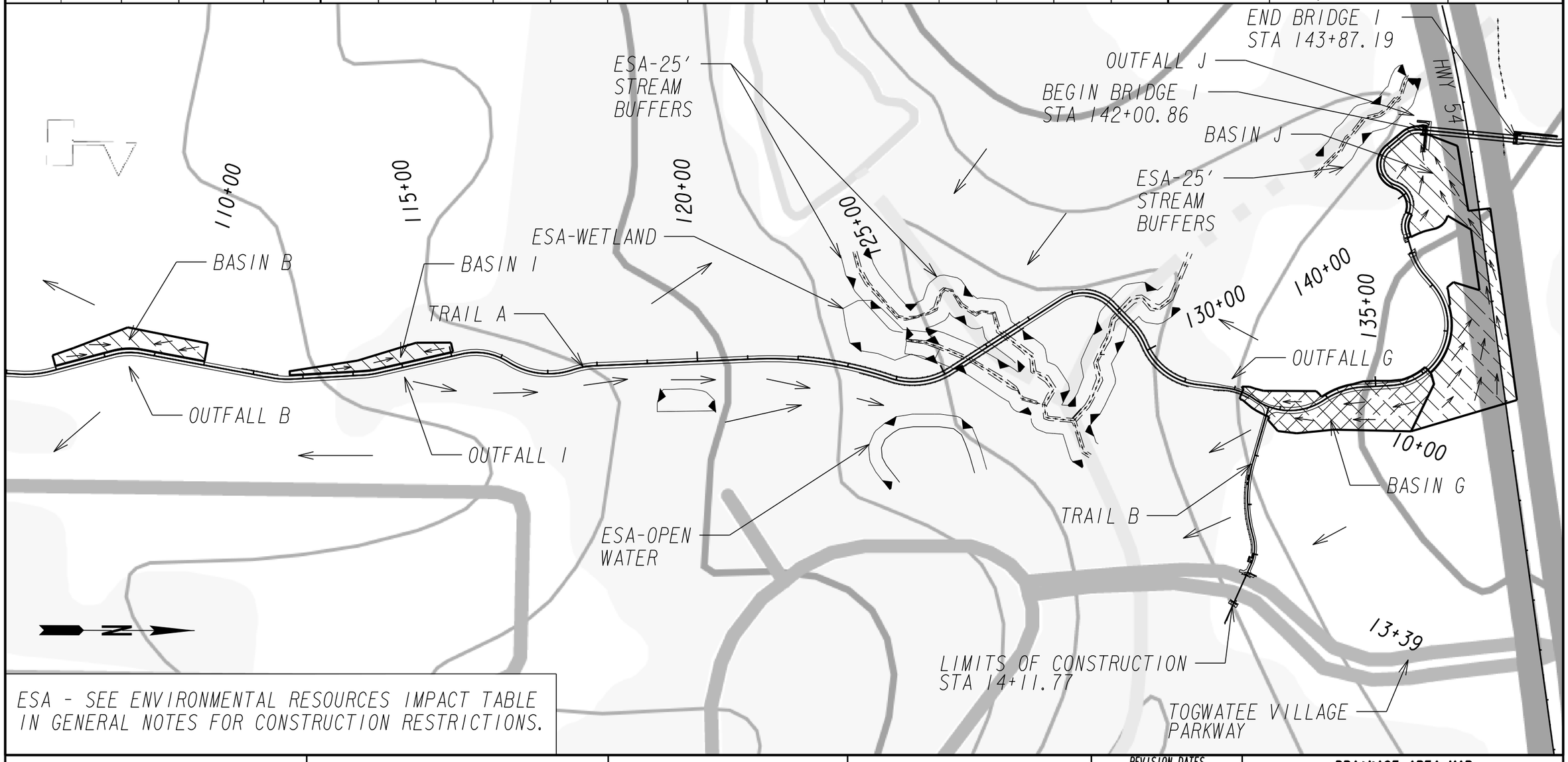
DRAINAGE AREA MAP

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	21-0001
CORRECTED:		DATE:	
VERIFIED:		DATE:	

Drainage Table

Basin	Station	Offset (ft)	Proposed Size	Area (ac)	Pre-Construction C	Pre-Construction Flow (cfs) 50 Yr	Pre-Construction Flow (cfs) 100 Yr	Pre-Construction Velocity(f/s) 50 Yr	Pre-Construction Velocity(f/s) 100 Yr	Pre-Construction HW Elev. (ft) 50 Yr	Pre-Construction HW Elev. (ft) 100 Yr	Post Construction C	Post Construction Flow (cfs) 50 Yr	Post Construction Flow (cfs) 100 Yr	Post Construction Velocity(f/s) 50 Yr	Post Construction Velocity(f/s) 100 Yr	Post Construction HW Elev. (ft) 50 Yr	Post Construction HW Elev. (ft) 100 Yr	Outfall Slope (%)	Receiving Stream	Disturbed Area (ac)
B-1	108+48.00	23-RT	18"	0.24	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.30	0.71	0.80	3.71	3.84	946.91	946.93	0.90	Tributary of Whitewater Creek	0.06
G-1	131+87.00	18	18"	0.70	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.39	N/A	N/A	N/A	N/A	N/A	N/A	3.00	Tributary of Whitewater Creek	0.27
I-1	114+00.00	16-RT	18"	0.17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.45	0.84	0.95	3.39	3.54	930.29	930.33	5.00	Tributary of Whitewater Creek	0.01
J-1	141+87.00	7.3-LT	18"	1.56	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.52	8.32	9.42	5.92	6.29	883.76	883.99	4.00	Tributary of Whitewater Creek	0.07



ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS.

GEORGIA DEPARTMENT OF TRANSPORTATION

AECOM

SCALE IN FEET
0 100 200 400

REVISION DATES

DRAINAGE AREA MAP

SR 54 MULTI-USE TRAIL & BRIDGE

		DATE:	
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 21-0002

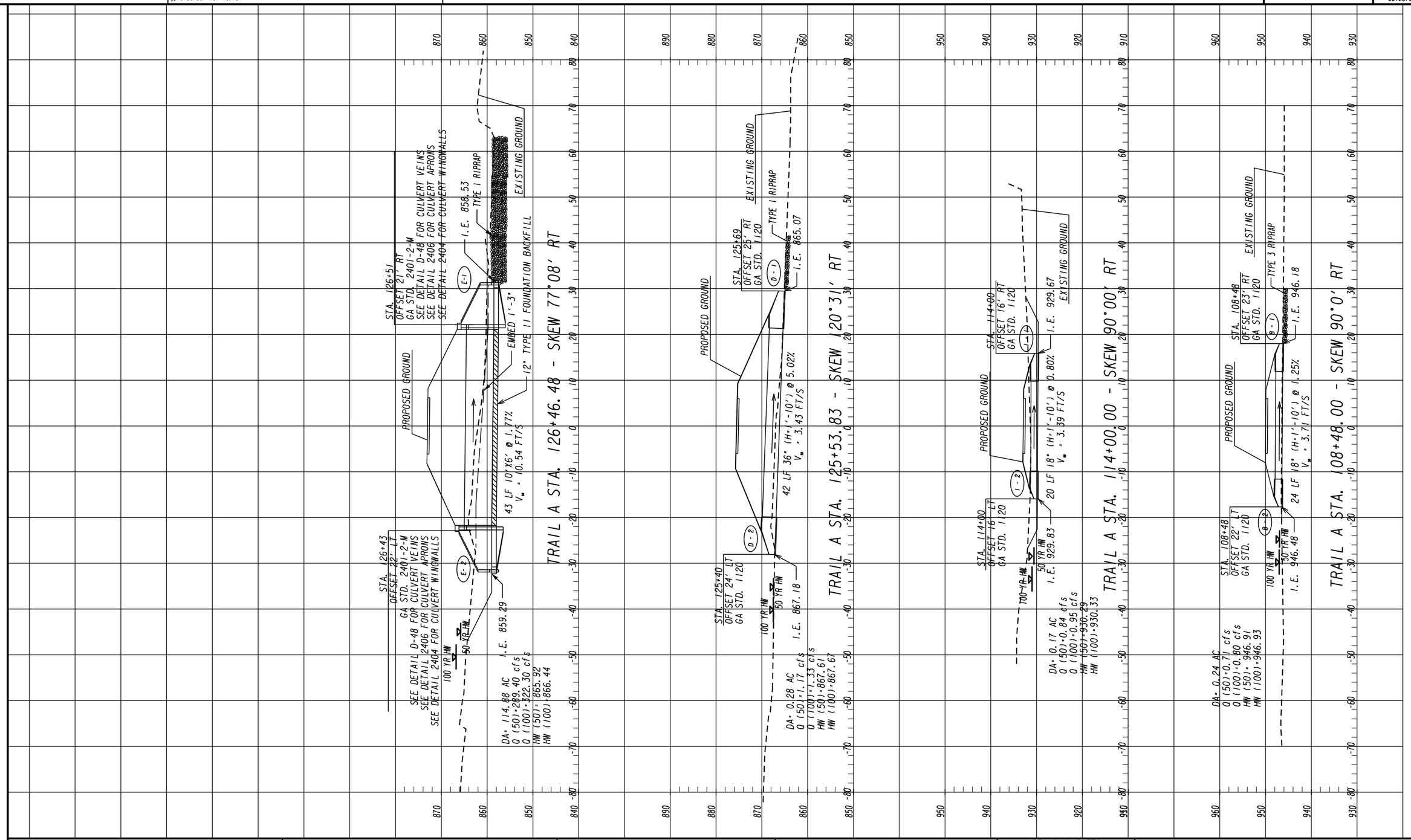
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GDOT

P. I. No.
0012878



NOTES

1. OFFSETS TO CATCH BASINS OR CURBED INLETS ARE SET TO THE FACE OF CURB.
2. OFFSETS TO DITCH DROP INLETS OR MANHOLES ARE SET TO THE CENTER.
3. OFFSETS TO END SECTIONS ARE TO THE CENTER OF THE OUTSIDE END OF THE STRUCTURE.

SCALE IN FEET
0 10 20 40

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

REVISION DATES

DRAINAGE PROFILES

SR 54 MULTI-USE TRAIL & BRIDGE

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VERIFIED:		DATE:	

09/17/2015 SUXEN

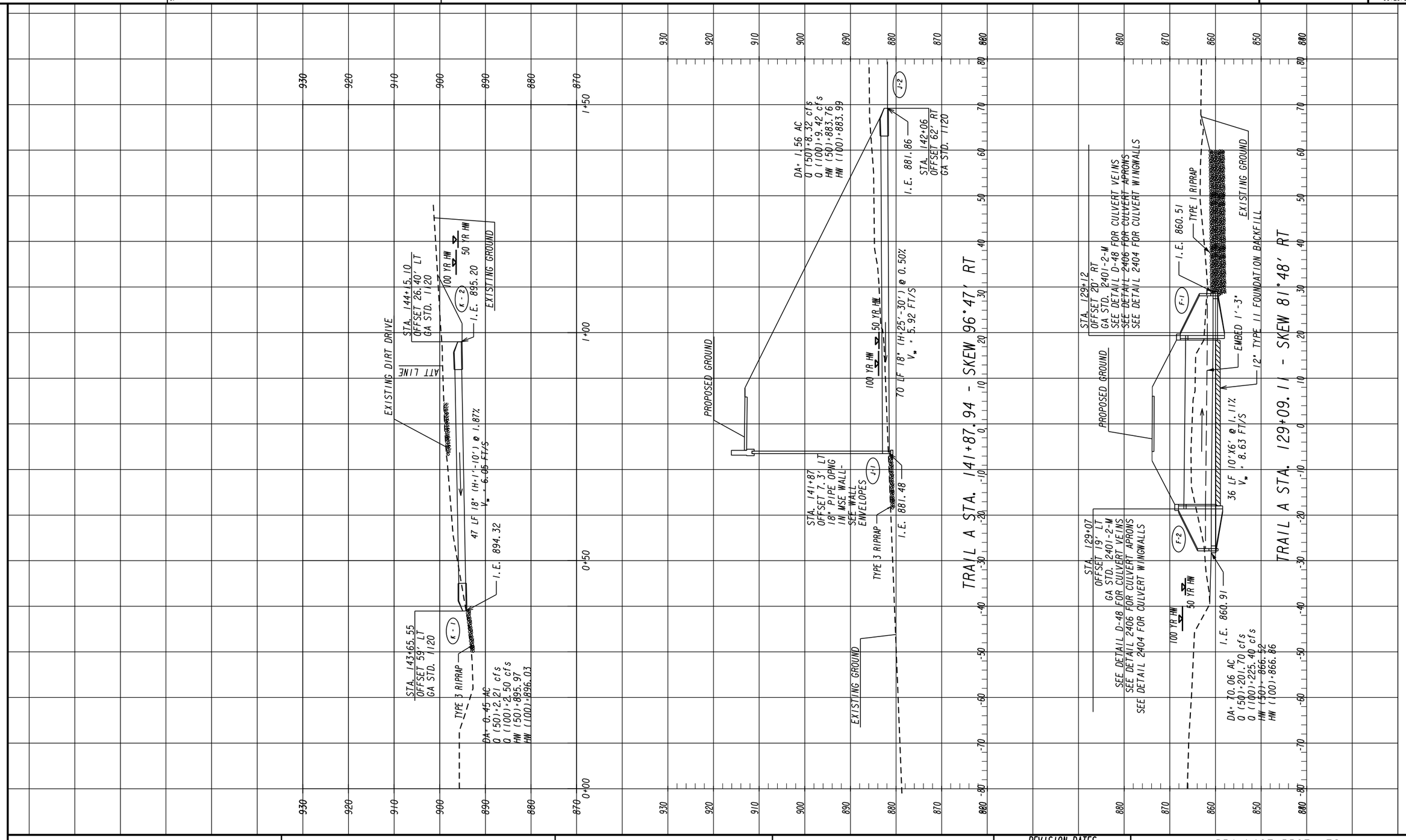
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GDOT

P. I. No.
0012878



NOTES

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SCALE IN FEET
0 10 20 40

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

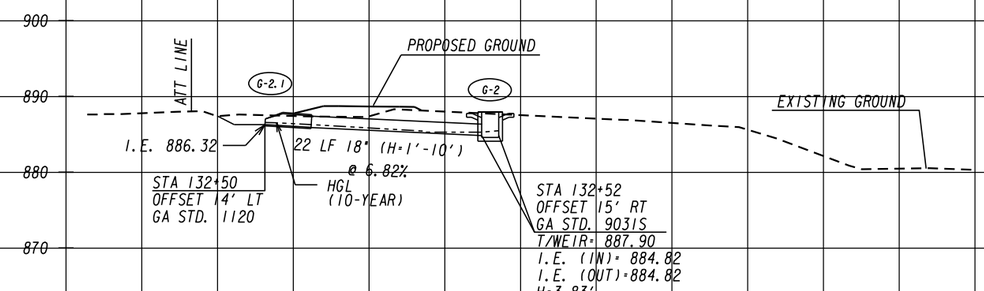
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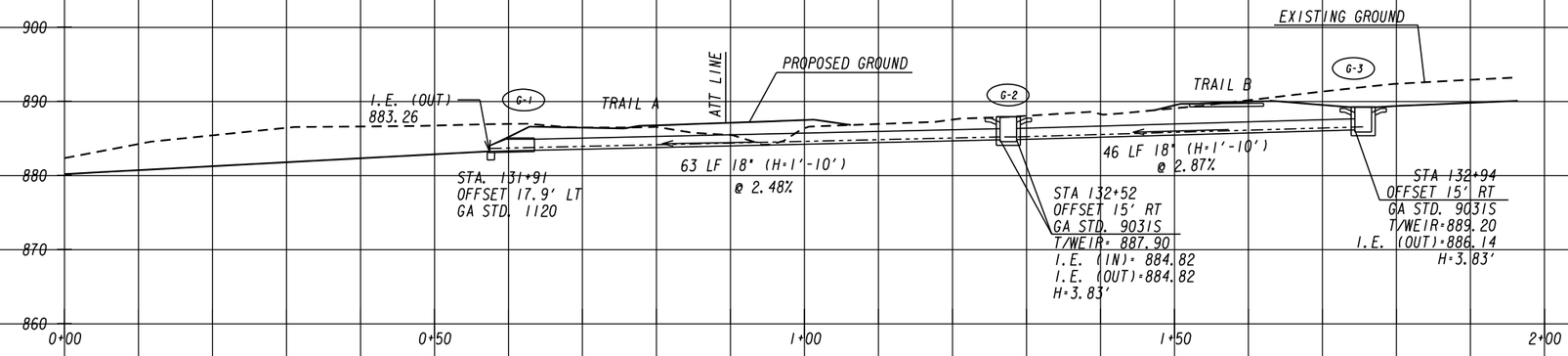
DRAINAGE PROFILES

SR 54 MULTI-USE TRAIL & BRIDGE

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CORRECTED:		DATE:		
VERIFIED:		DATE:		

09/17/2015 SUXEN





NOTES

1. OFFSETS TO CATCH BASINS OR CURBED INLETS ARE SET TO THE FACE OF CURB.
2. OFFSETS TO DITCH DROP INLETS OR MANHOLES ARE SET TO THE CENTER.
3. OFFSETS TO END SECTIONS ARE TO THE CENTER OF THE OUTSIDE END OF THE STRUCTURE.

SCALE IN FEET
0 10 20 40

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

REVISION DATES

DRAINAGE PROFILES

SR 54 MULTI-USE TRAIL & BRIDGE

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09/17/2015 SUXEN

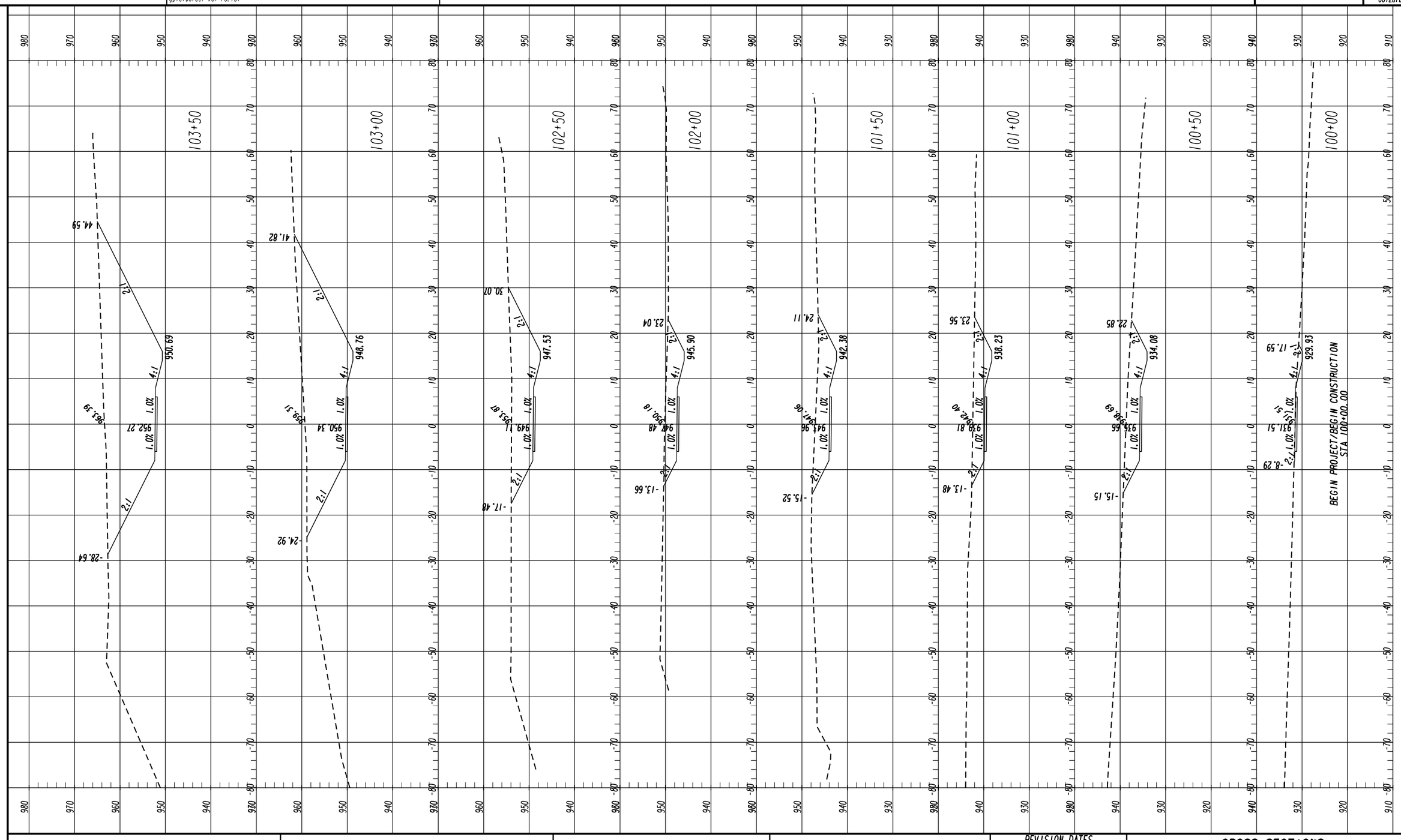
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0012878



SCALE IN FEET
0 10 20 40

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REVISION DATES		

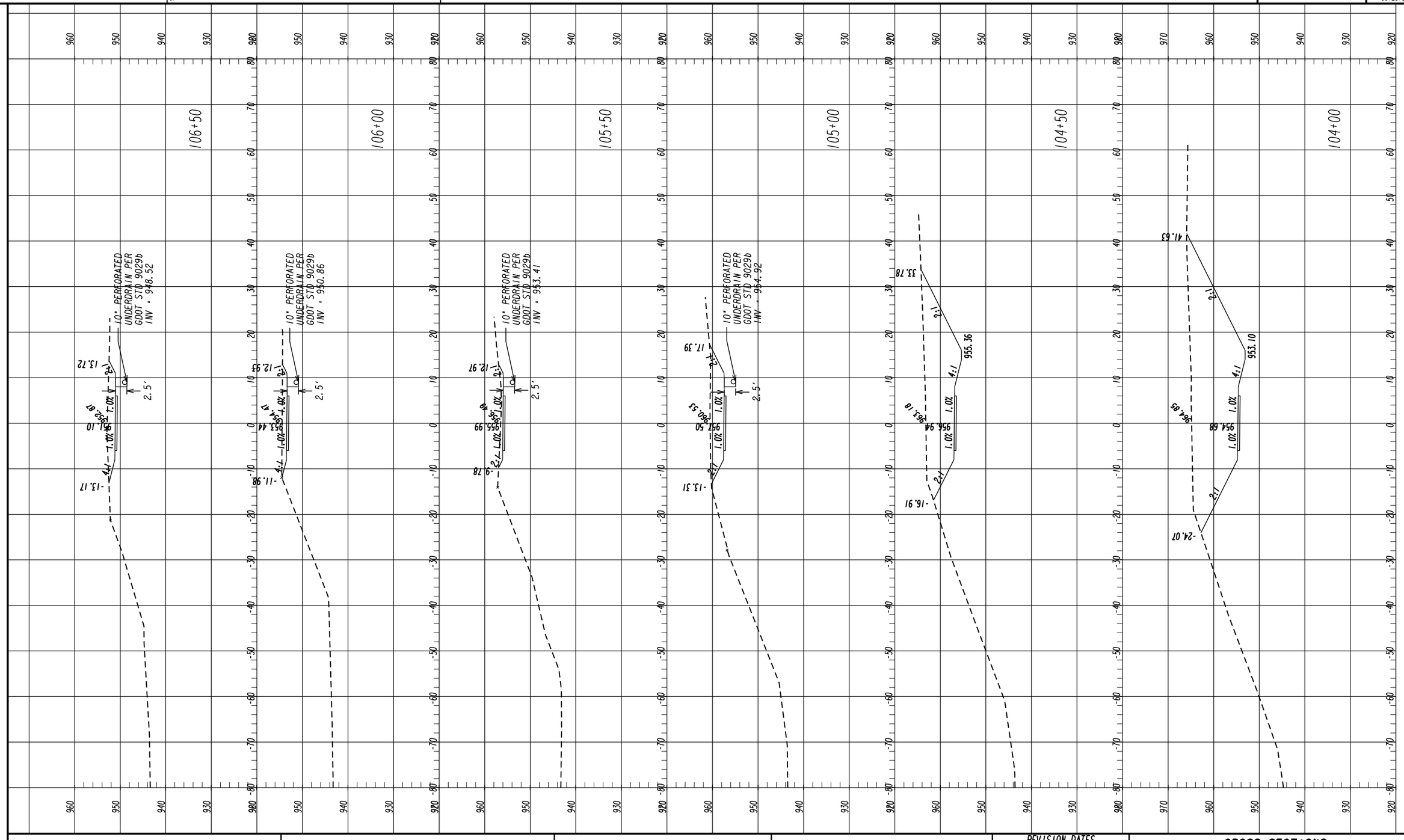
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SCALE IN FEET
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GEORGIA
DEPARTMENT OF TRANSPORTATION

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REVISION DATES		

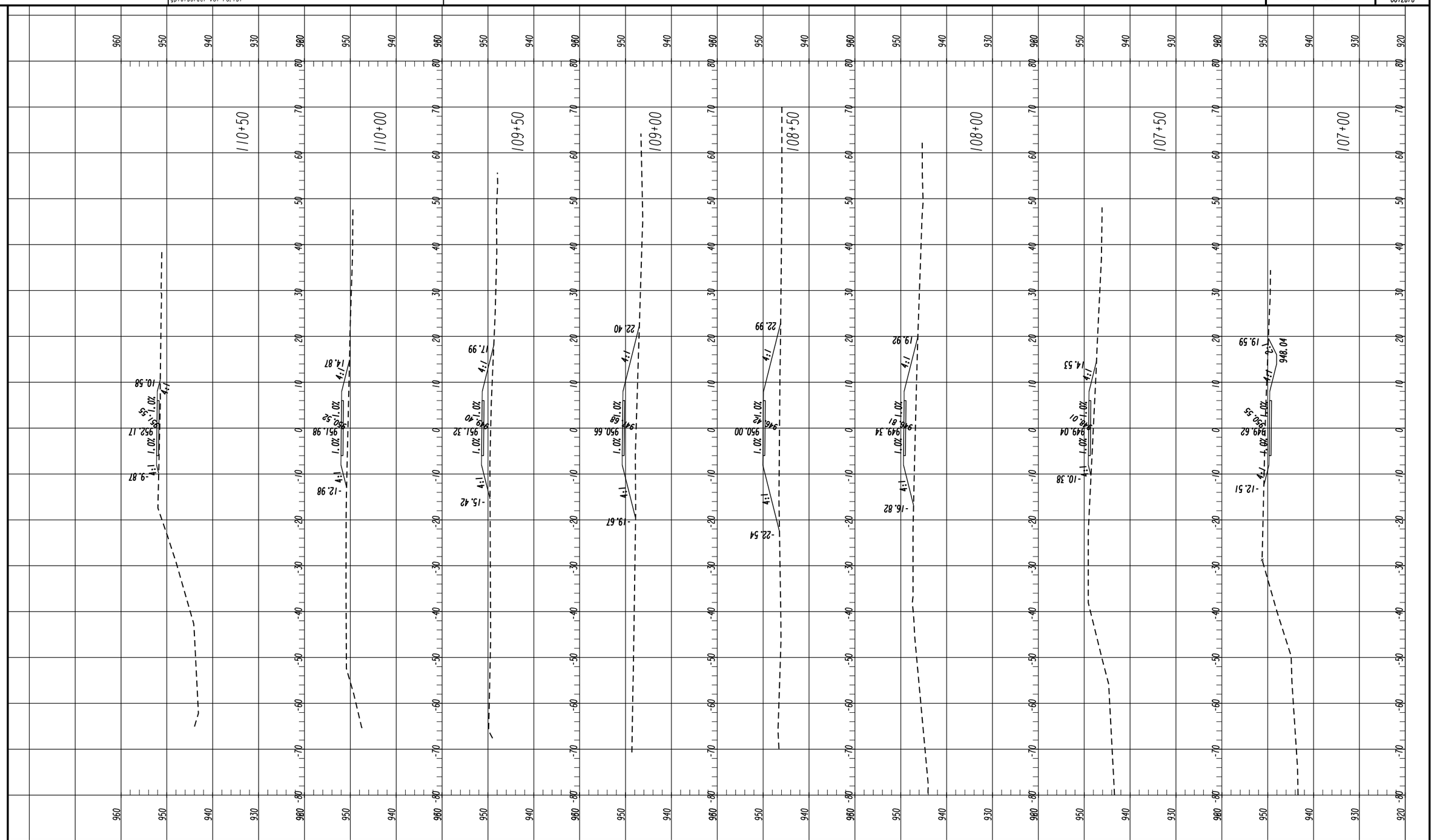
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SCALE IN FEET
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GEORGIA
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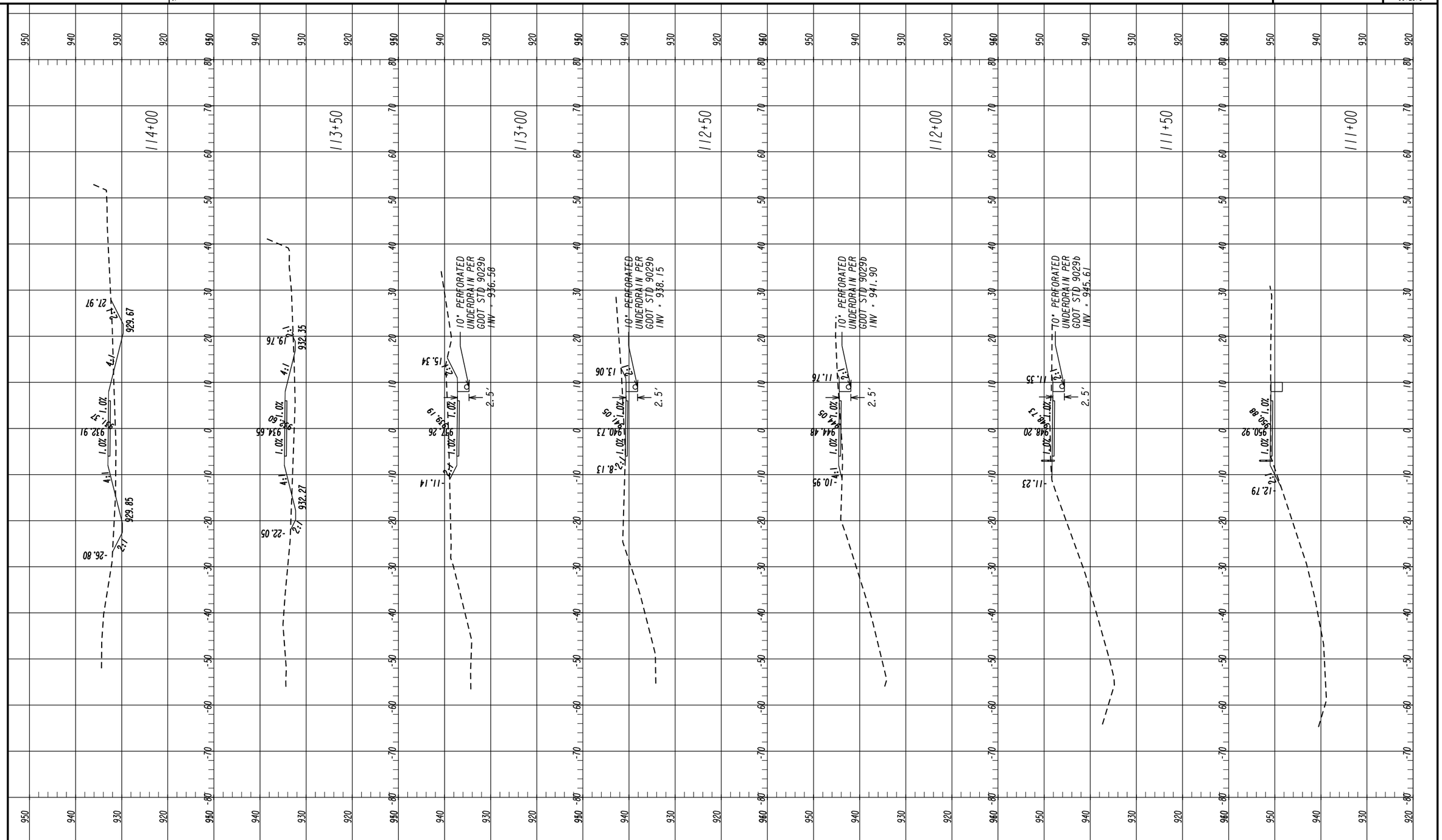
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SCALE IN FEET
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REVISION DATES		

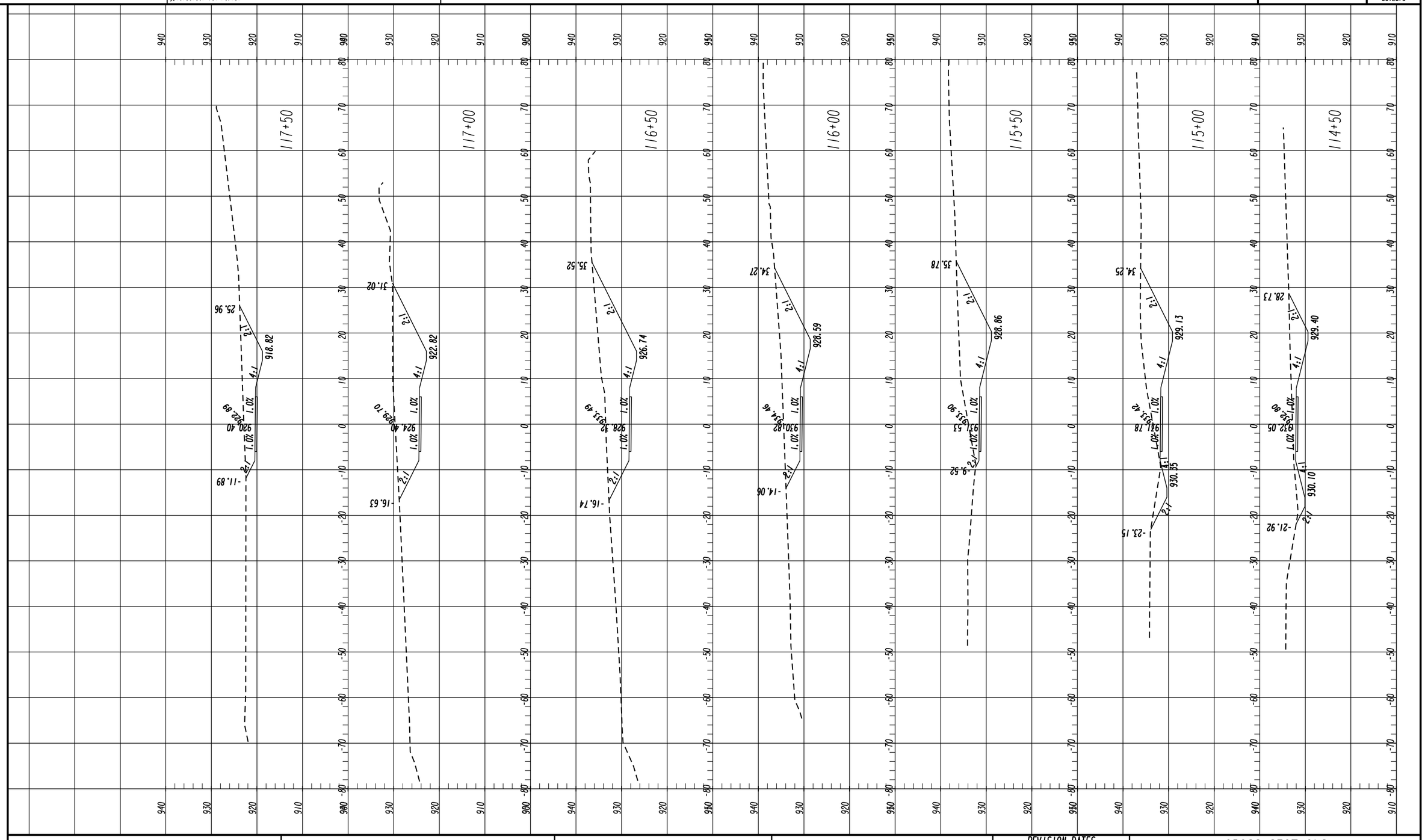
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SCALE IN FEET
0 10 20 40

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REVISION DATES

CROSS SECTIONS
TRAIL A
SR 54 MULTI-USE TRAIL & BRIDGE

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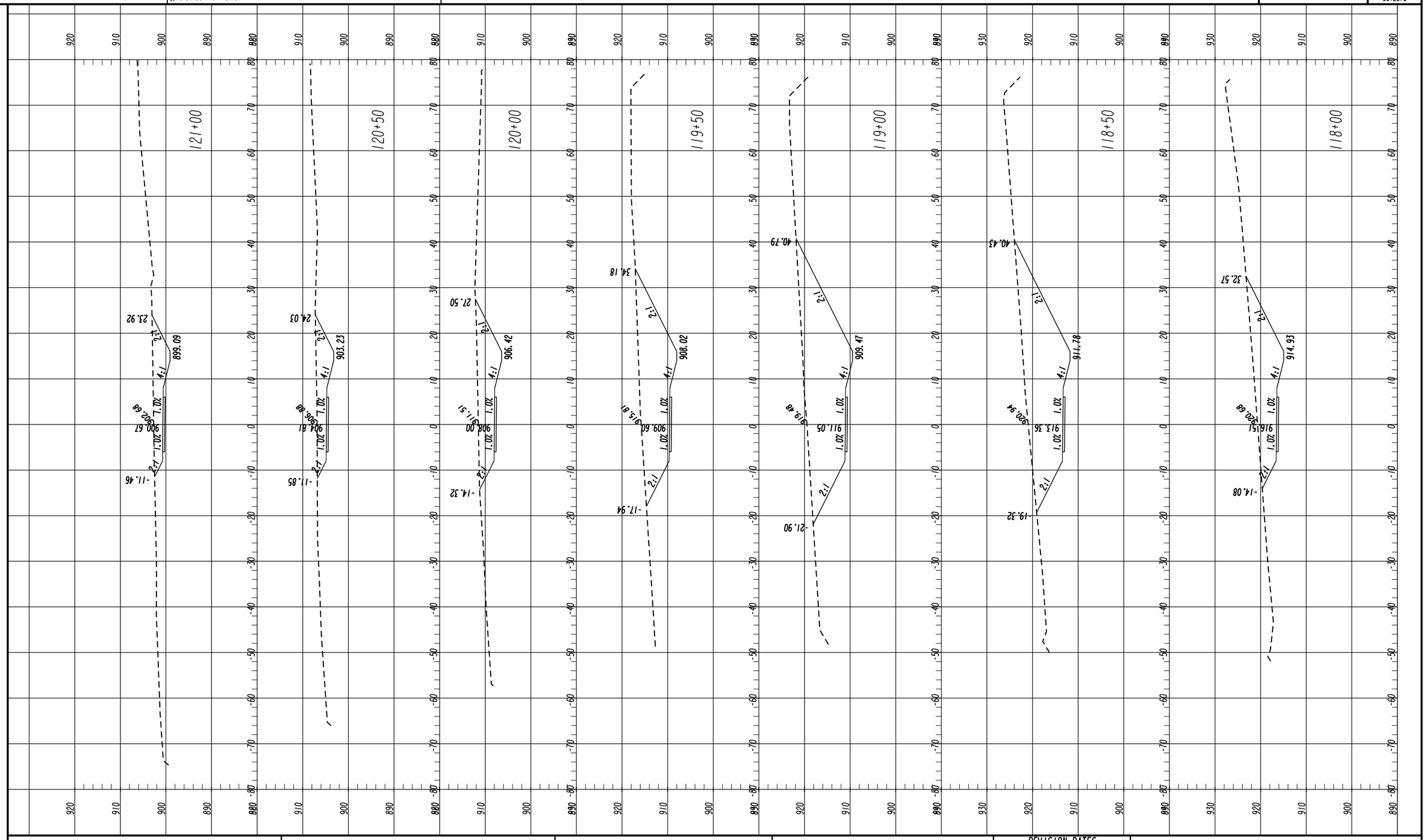
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0012878



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REVISION DATES

CROSS SECTIONS

TRAIL A

SR 54 MULTI-USE TRAIL & BRIDGE

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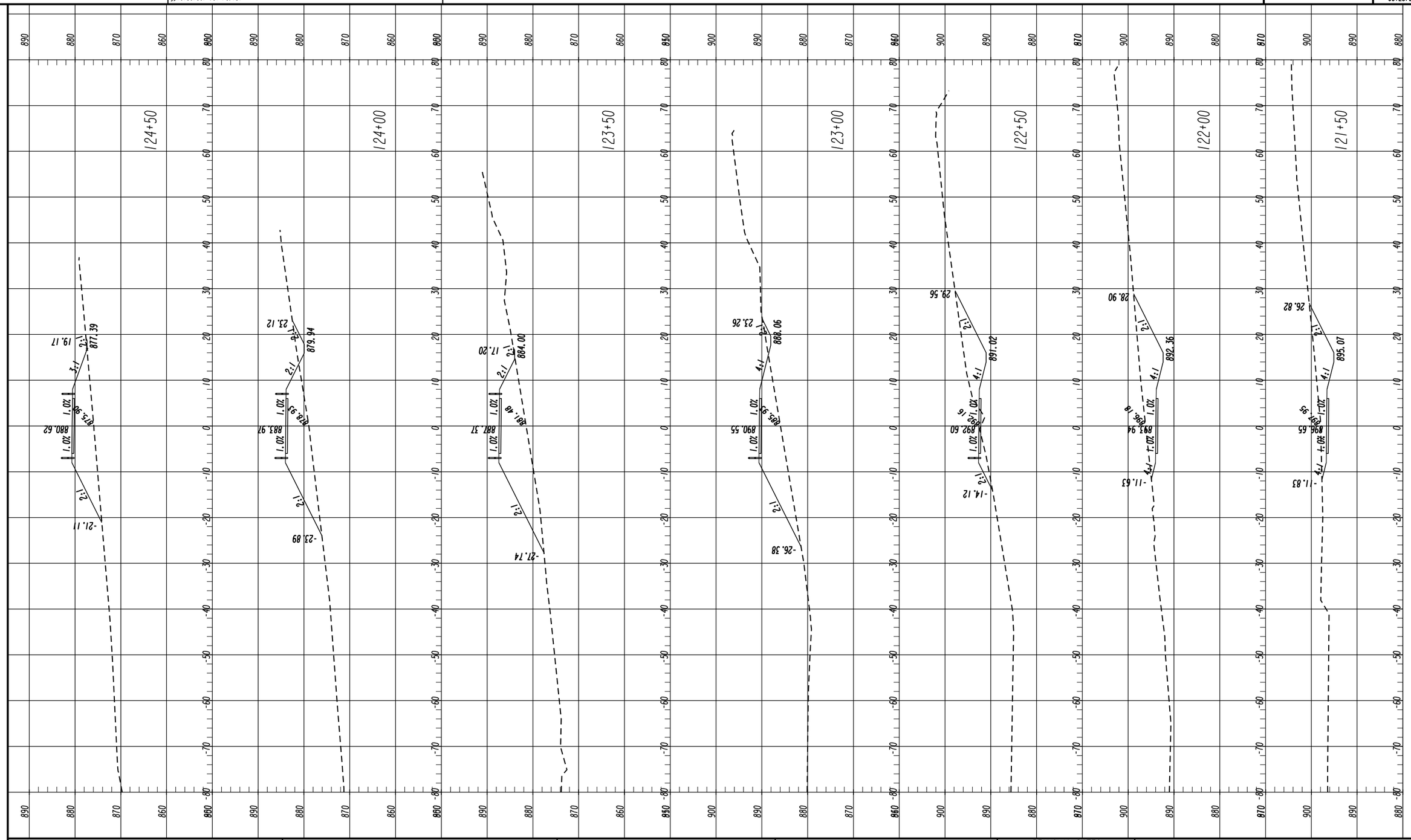
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0012878



SCALE IN FEET
0 10 20 40

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REVISION DATES

CROSS SECTIONS
TRAIL A
SR 54 MULTI-USE TRAIL & BRIDGE

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VERIFIED:		DATE:		

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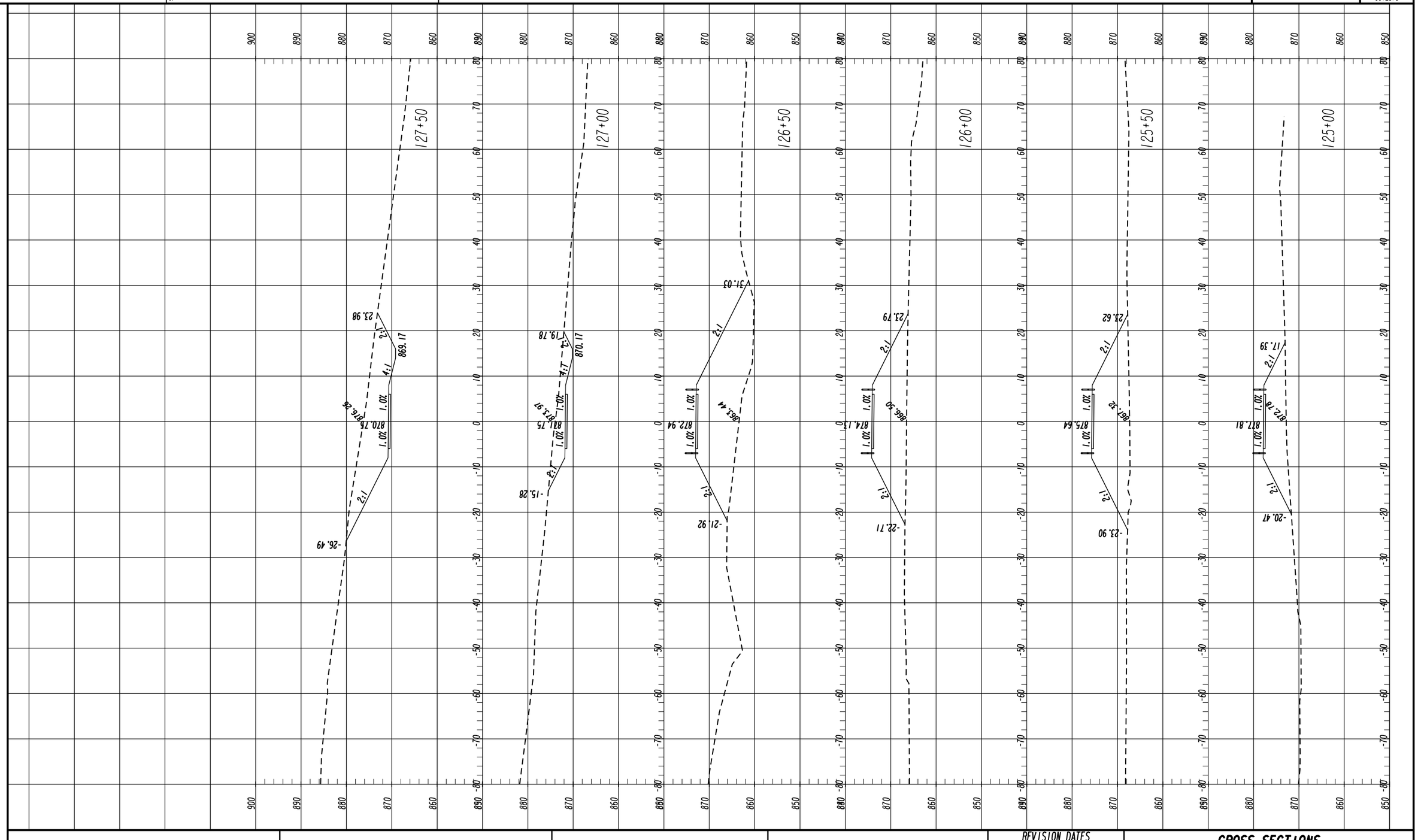
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GDOT

P.I. No.
0012878



SCALE IN FEET
0 10 20 40

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

REVISION DATES		

CROSS SECTIONS

TRAIL A

SR 54 MULTI-USE TRAIL & BRIDGE

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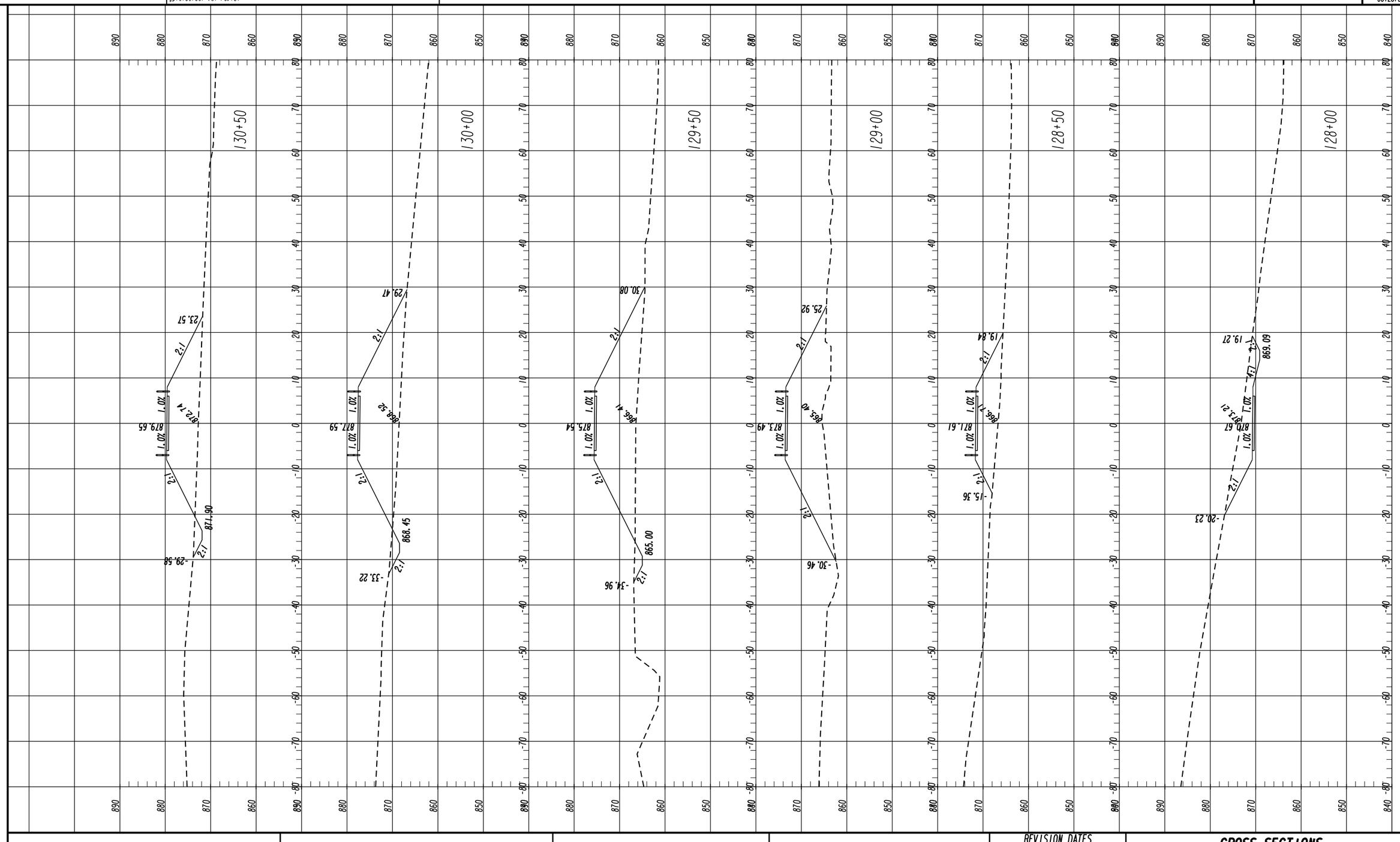
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0012878



SCALE IN FEET
0 10 20 40

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

REVISION DATES

CROSS SECTIONS
TRAIL A
SR 54 MULTI-USE TRAIL & BRIDGE

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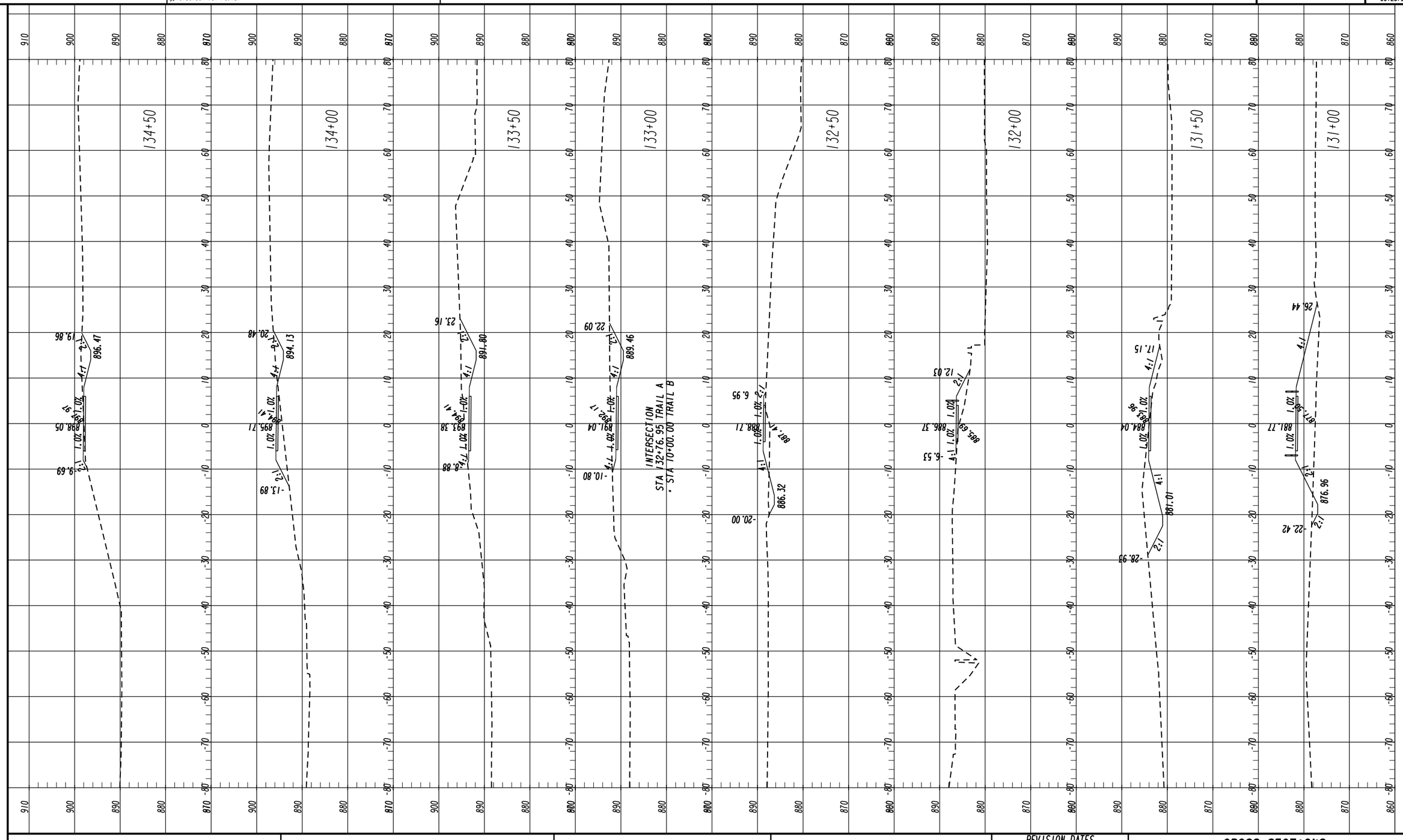
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SCALE IN FEET
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GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

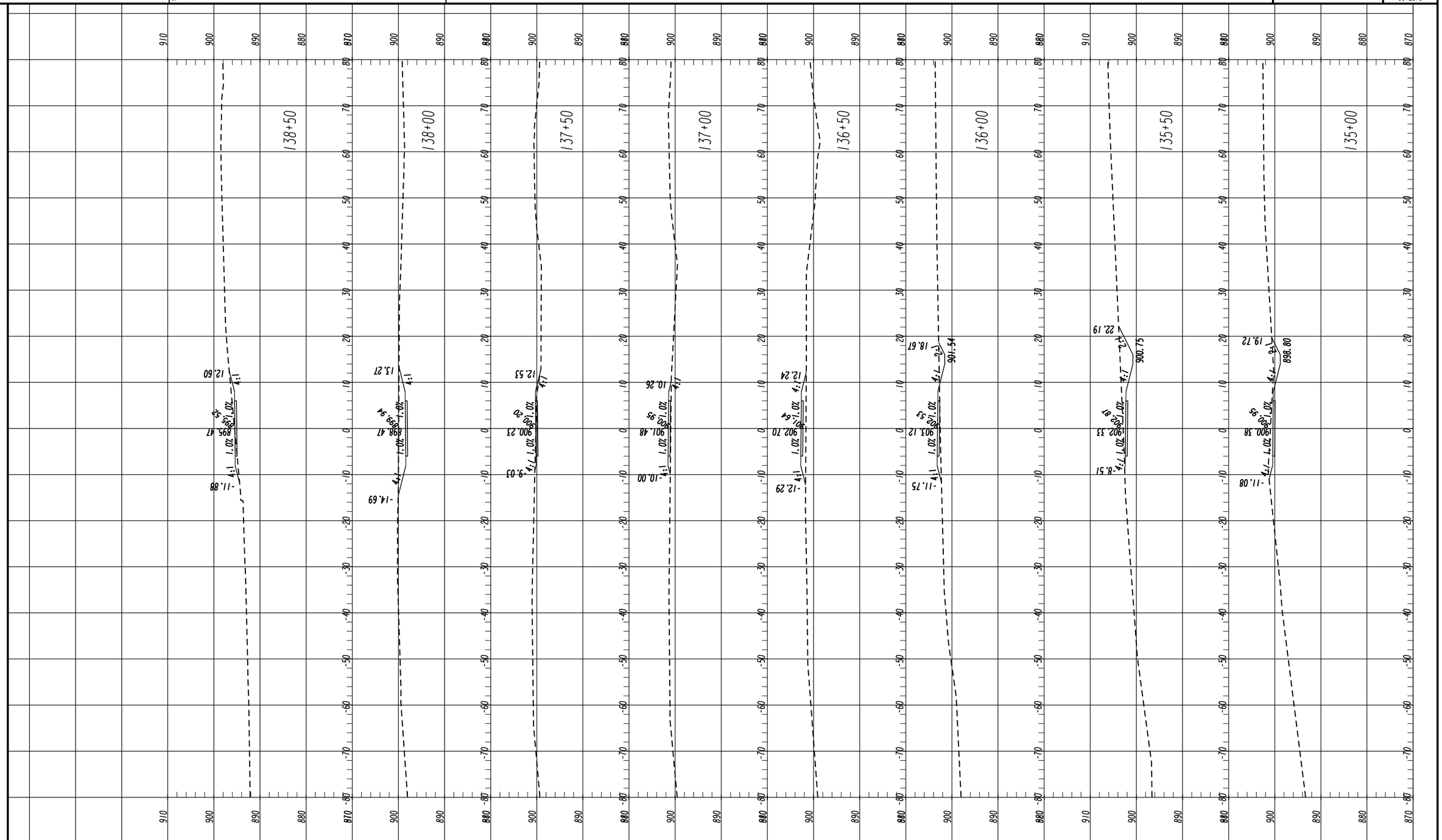
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09/17/2015 SUXEN



SCALE IN FEET
0 10 20 40

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

REVISION DATES

CROSS SECTIONS
TRAIL A
SR 54 MULTI-USE TRAIL & BRIDGE

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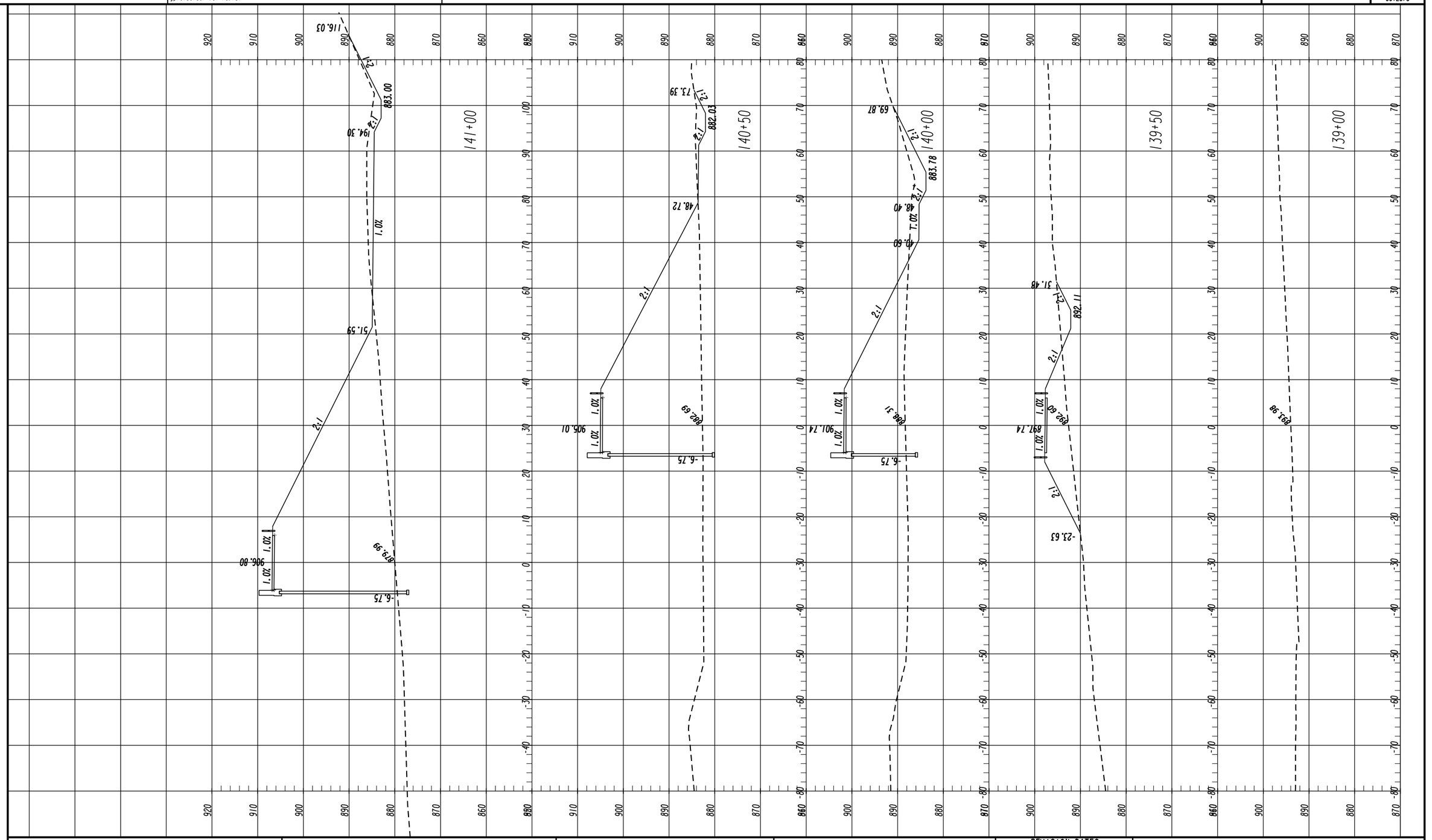
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P. I. No.
0012878



SCALE IN FEET
0 10 20 40

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

REVISION DATES

CROSS SECTIONS
TRAIL A
SR 54 MULTI-USE TRAIL & BRIDGE

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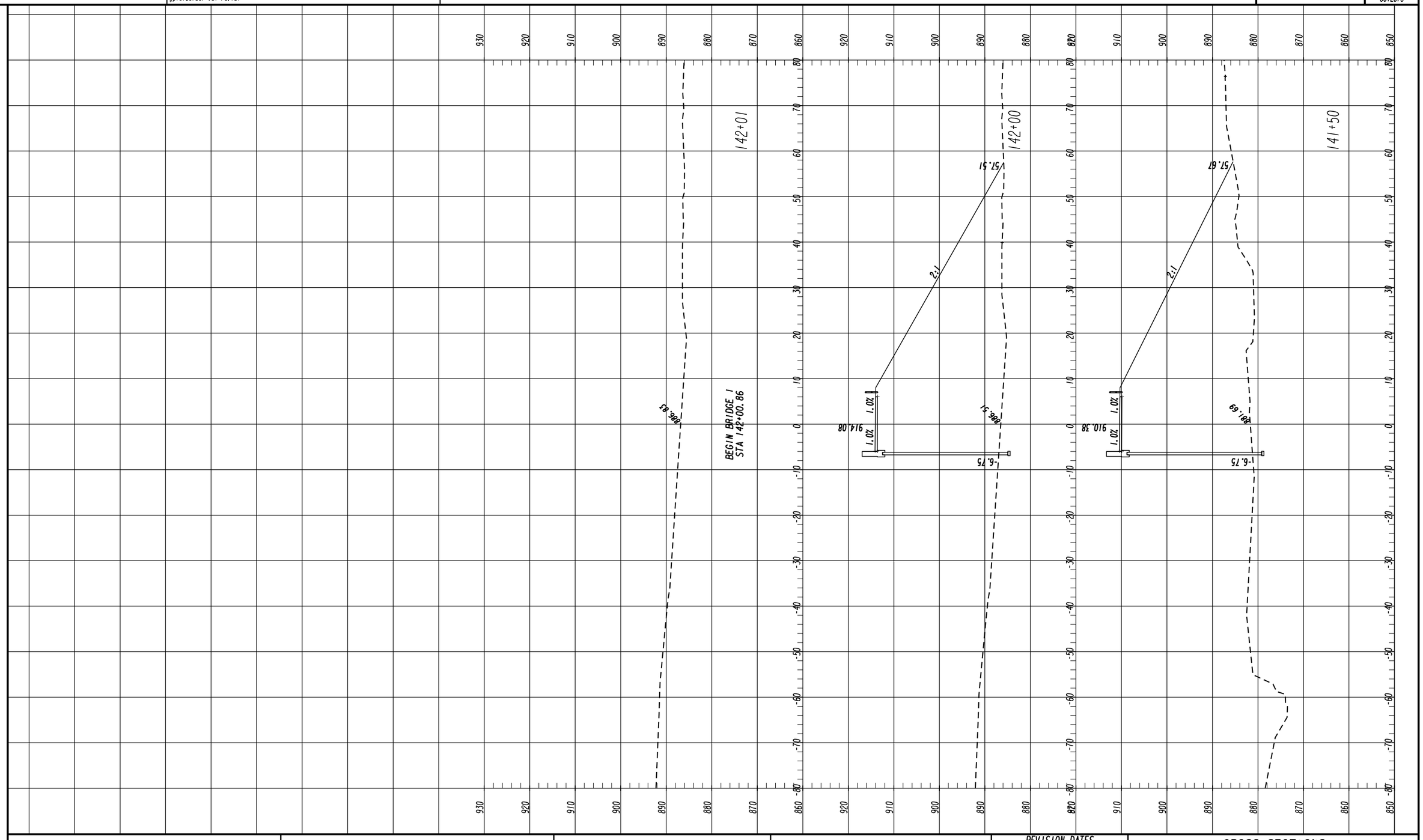
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0012878



SCALE IN FEET
0 10 20 40

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

REVISION DATES

CROSS SECTIONS

TRAIL A

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:	
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CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
23-0013

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GDOT

P.I. No.
0012878

146+00

145+50

145+00

144+50

144+00

143+87

END BRIDGE 1
STA 143+87.19

SCALE IN FEET
0 10 20 40

GEORGIA
DEPARTMENT OF TRANSPORTATION

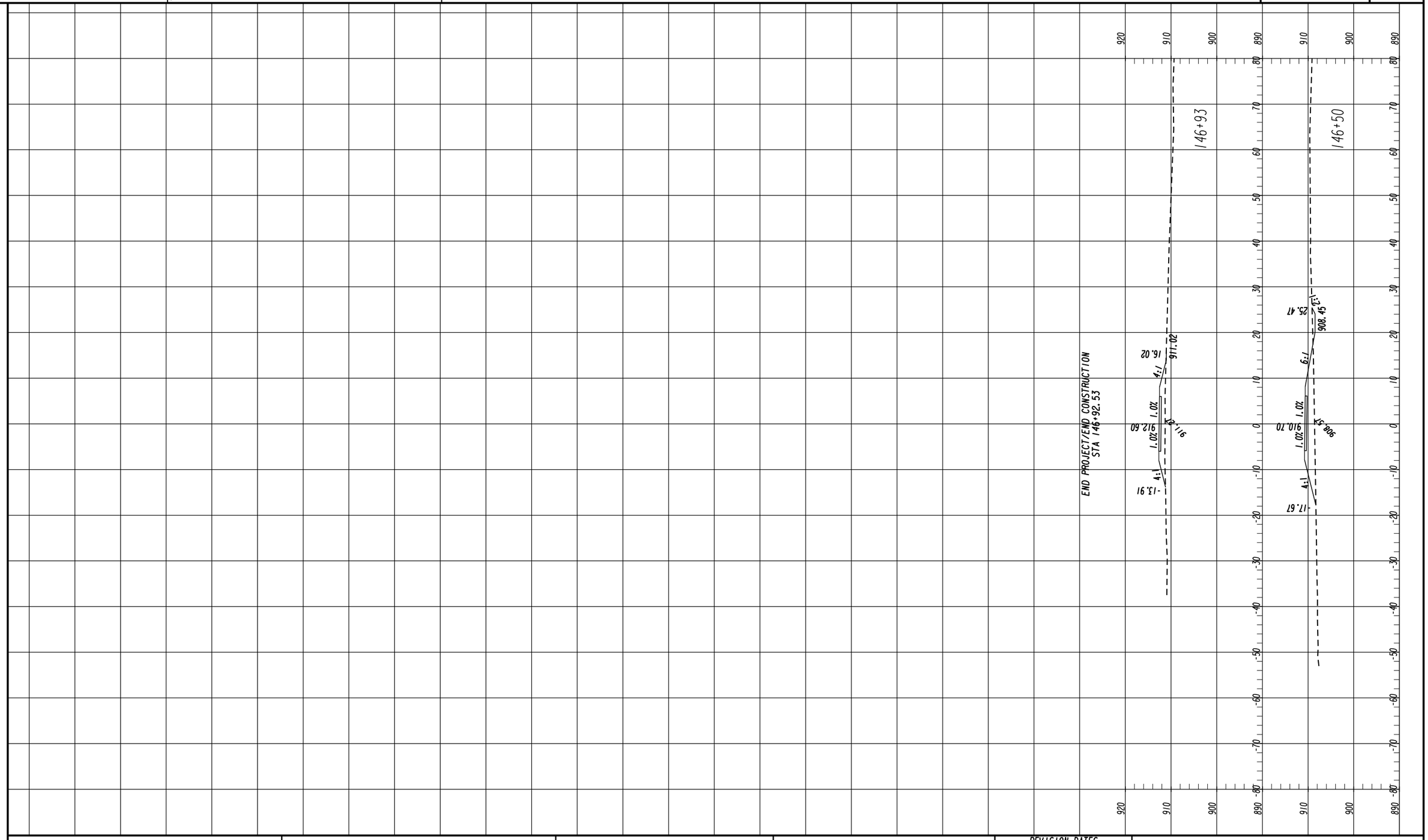
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REVISION DATES

CROSS SECTIONS
TRAIL A
SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
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VERIFIED:		DATE:		

09/17/2015 SUXEN



SCALE IN FEET
0 10 20 40

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

REVISION DATES		

CROSS SECTIONS

TRAIL A

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	23-0015
CORRECTED:		DATE:	
VERIFIED:		DATE:	

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LIMITS OF CONSTRUCTION
STA 14+11.77

INTERSECTION
STA 132+76.95 TRAIL A
STA 10+00.00 TRAIL B

SCALE IN FEET
0 10 20 40

GEORGIA
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AECOM

REVISION DATES

CROSS SECTIONS
TRAIL B
SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 23-0016

09/17/2015 SUXEN

UTILITY LINECODES

	EXISTING	TO BE REMOVED	PROPOSED	TYPE OF UTILITY
OVERHEAD	-E-	-E-	E	ELECTRIC
	-E-T-	-E-	E-T	ELECTRIC/TELECOMMUNICATIONS
	-E-TV-	-E-	E-TV	ELECTRIC/CABLE TV
	-E-T-TV-	-E-T-TV-	E-T-TV	ELECTRIC/TELECOMMUNICATIONS/CABLE TV
	-GW-	-GW-	GW	GUY WIRE
	-T-	-T-	T	TELECOMMUNICATIONS
	-T-TV-	-T-	T-TV	TELECOMUNICATIONS/CABLE TV
	-TV-	-TV-	TV	CABLE TV
UNDERGROUND	-E-	-E-	E	ELECTRIC
	-T-	-T-	T	TELECOMMUNICATIONS
	-TV-	-TV-	TV	CABLE TV
	-W-	-W-	W	WATER
	=**W=	=**W=	=**W=	WATER FOR LABELED PIPE SIZES
	-NW-	-NW-	NW	NON-POTABLE WATER
	=**NW=	=**NW=	=**NW=	NON-POTABLE WATER FOR LABELED PIPE SIZES
	-STM-	-STM-	STM	STEAM
	=**STM=	=**STM=	=**STM=	STEAM FOR LABELED PIPE SIZES
	-SS->	-SS->	SS->	SANITARY SEWER WITH FLOW DIRECTION
	=Σ**SS=	=Σ**SS=	=Σ**SS=	SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES
	-SFM->	-SFM->	SFM->	SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION
	-G-	-G-	G	GAS
	=**G=	=**G=	=**G=	GAS FOR LABELED PIPE SIZES
	-P-	-P-	P	PETROLEUM
	=**P=	=**P=	=**P=	PETROLEUM FOR LABELED PIPE SIZES

UTILITY SYMBOLS

EXISTING	PROPOSED	TEMPORARY	
			UTILITY POLE/GUY POLE
			LIGHT POLE
			GUY ANCHOR
M	M	M	MARKER
X	X	X	SPLICE BOX
			CABINET
			VENT
E	E	E	ELECTRIC MANHOLE
H	H	H	HAND HOLE
E	E	E	TRANSFORMER
E	E	E	ELECTRIC METER
E	E	E	ELECTRIC BOX
			TRANSMISSION TOWER
T	T	T	TELECOMMUNICATIONS MANHOLE
T	T	T	TELECOMMUNICATIONS PEDESTAL
SLC	SLC	SLC	SUBCRIBER LOOP CARRIER (aka "SLICK")
			PHONE BOOTH
			CABLE TV PEDESTAL
TV	TV	TV	CABLE TV MANHOLE
W	W	W	WATER VALVE
W	W	W	WATER METER
W	W	W	WATER MANHOLE

EXISTING	PROPOSED	TEMPORARY	
			FIRE HYDRANT ASSEMBLY (INCLUDES ASSOCIATED VALVE)
BFP	BFP	BFP	BACKFLOW PREVENTER
PIV	PIV	PIV	PRESSURE INDICATOR VALVE
ARV	ARV	ARV	AIR RELEASE VALVE
W	W	W	WELL
W	W	W	WATER VAULT
W	W	W	WATER VALVE MARKER
			STAND PIPE
			CLEANOUT
SS	SS	SS	SANITARY SEWER MANHOLE
ARV	ARV	ARV	AIR RELEASE VALVE
GT	GT	GT	GREASE TRAP
S	S	S	SANITARY SEWER FORCE MAIN VALVE
G	G	G	GAS VALVE
G	G	G	GAS METER
G	G	G	GAS MANHOLE
GPR	GPR	GPR	GAS PRESSURE REGULATOR
G	G	G	GAS VAULT
GTS	GTS	GTS	GAS TEST STATION
P	P	P	PETROLEUM VALVE

NOTE:

1. CONTRACTOR TO VERIFY ALL EXISTING UTILITY LOCATIONS AND COORDINATE WITH UTILITY OWNERS PRIOR TO CONSTRUCTION.

GEORGIA811
Utilities Protection Center, Inc
Know what's below.
Call before you dig.

7/31/2015 GPLN

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

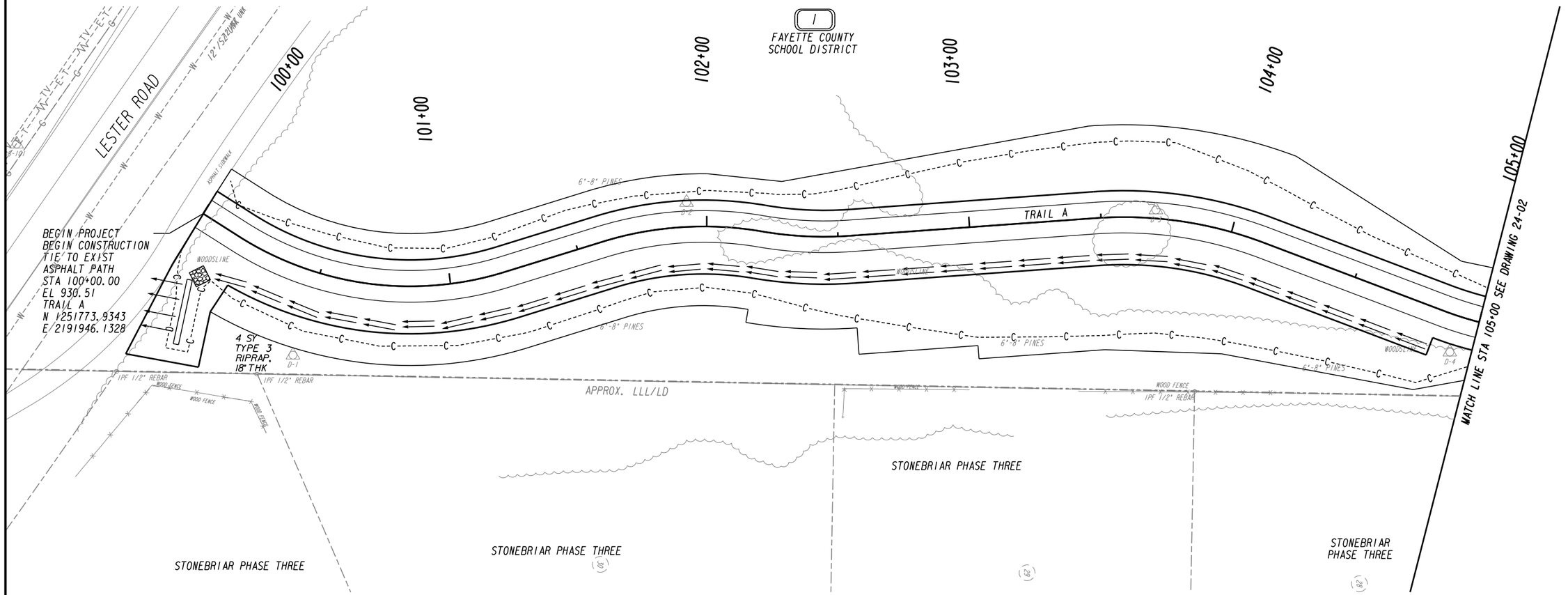
REVISION DATES

UTILITY PLANS

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 24- 0000



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
ORANGE BARRIER FENCE

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

SCALE IN FEET
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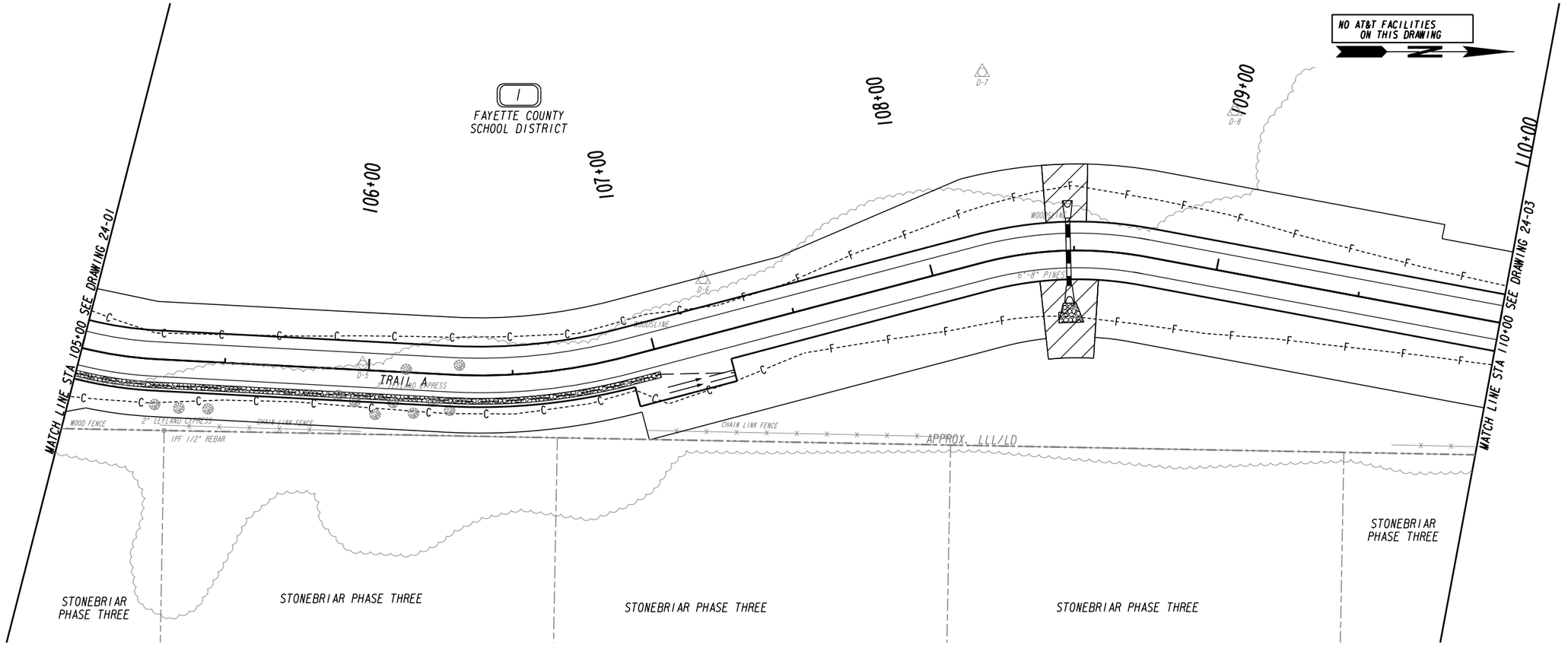
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UTILITY PLANS

SR 54 MULTI-USE TRAIL & BRIDGE

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7/31/2015 GPLN



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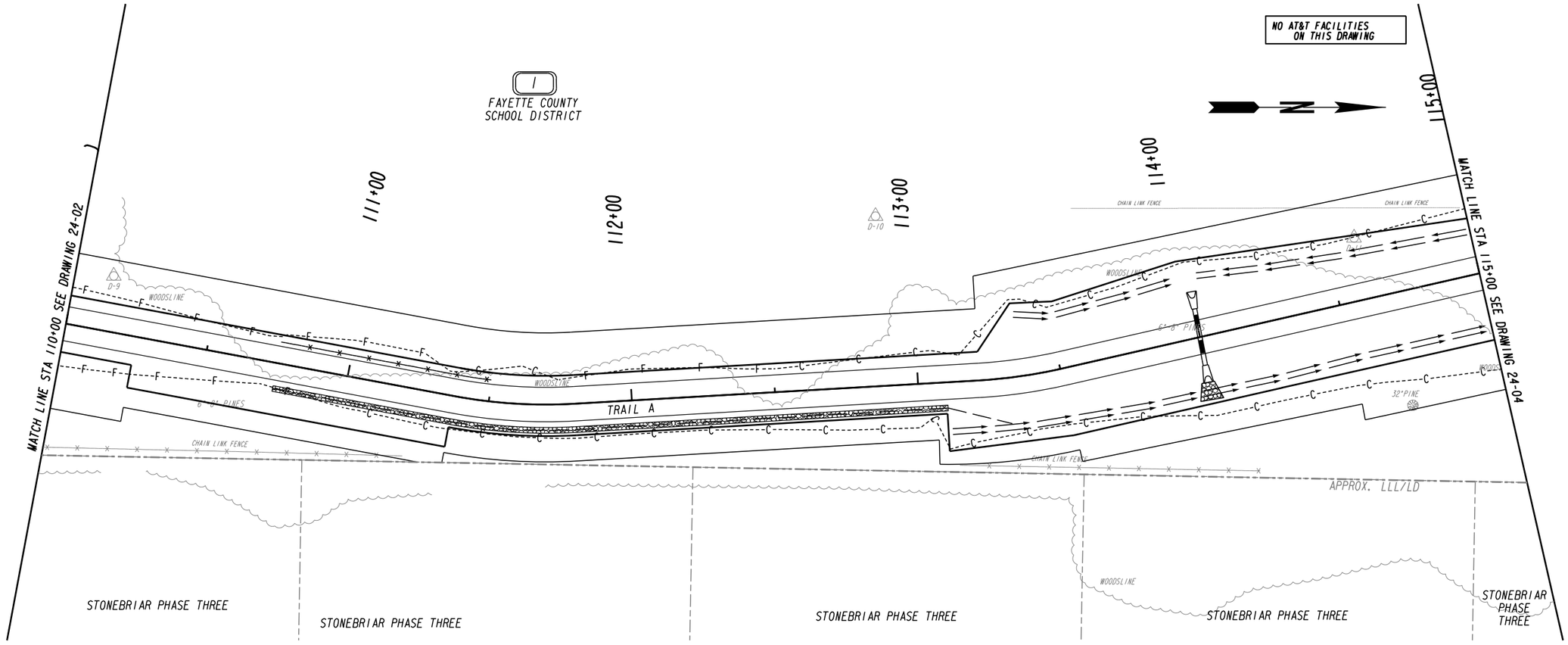
REVISION DATES

UTILITY PLANS

SR 54 MULTI-USE TRAIL & BRIDGE

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7/31/2015 GPLN



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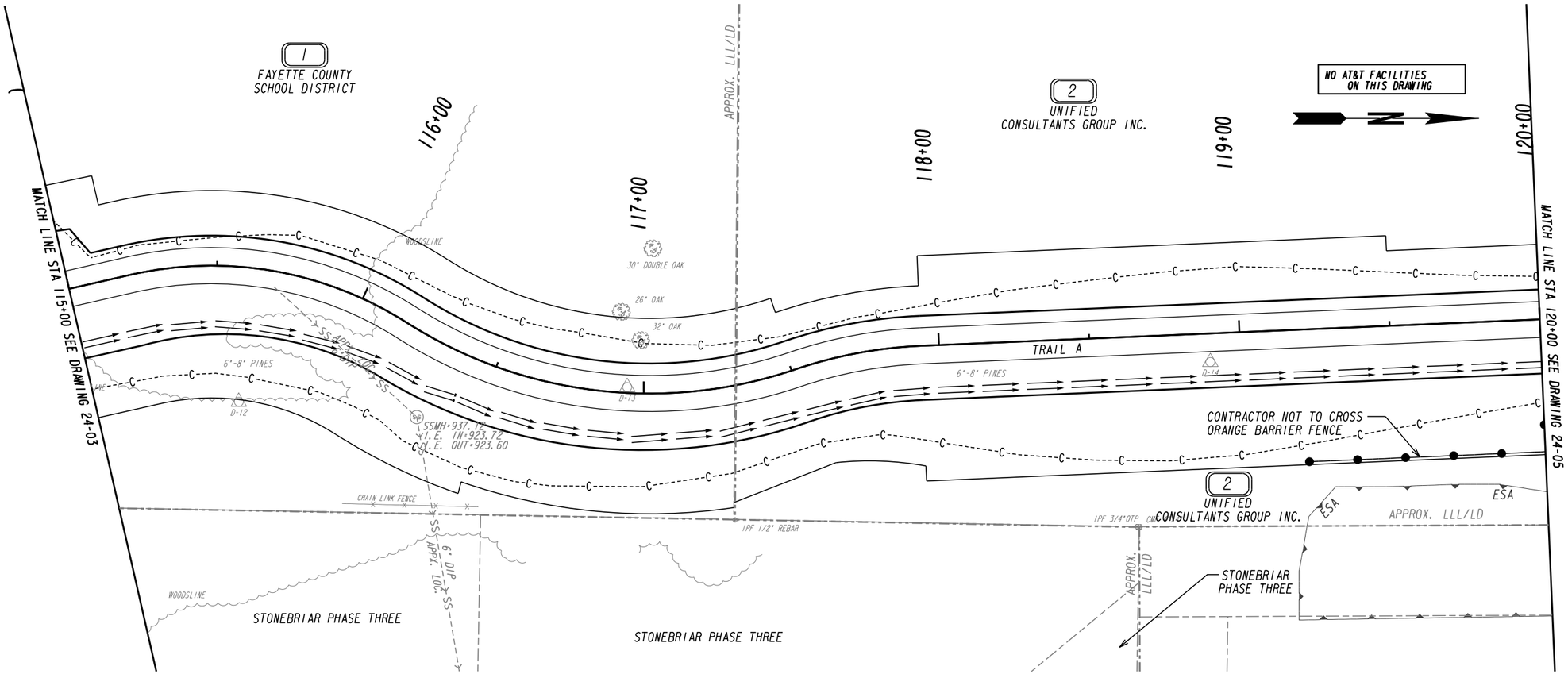
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7/31/2015 GPLN



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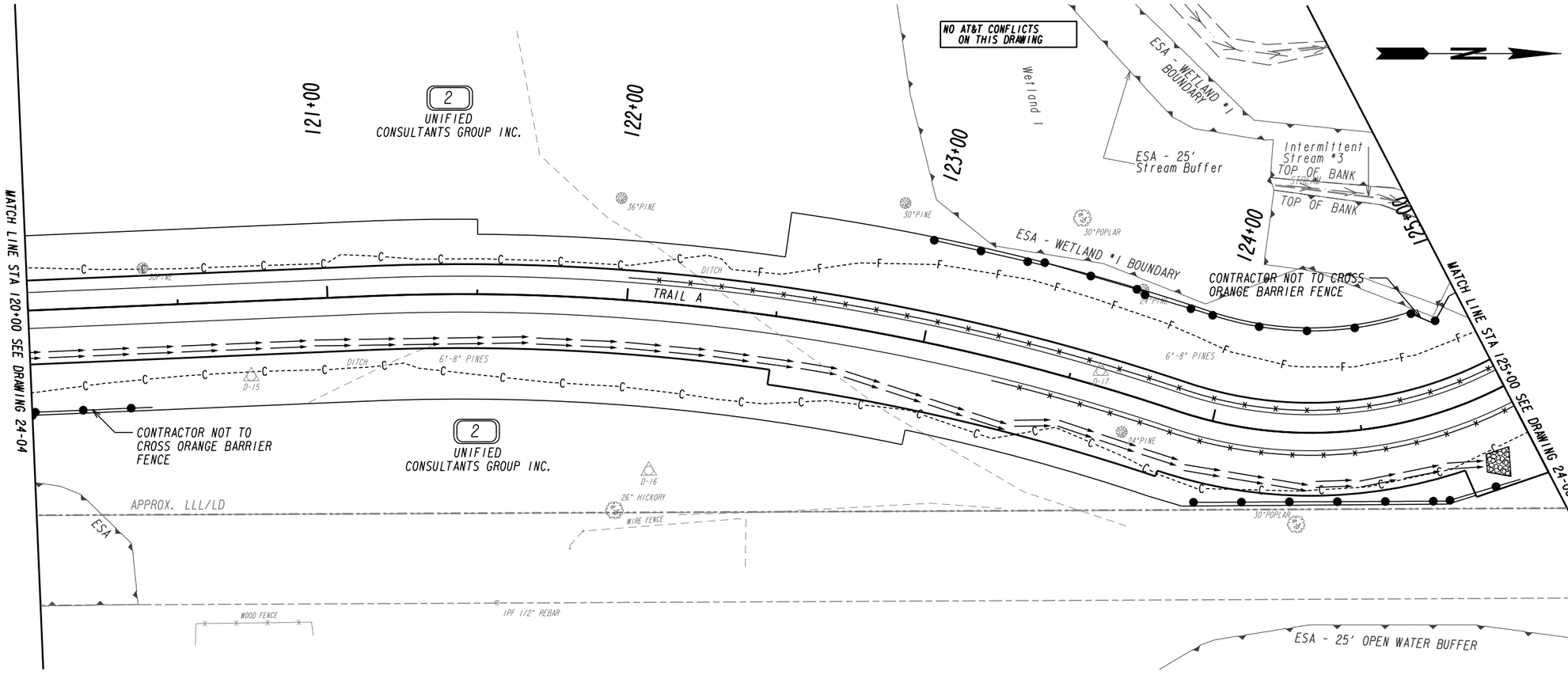
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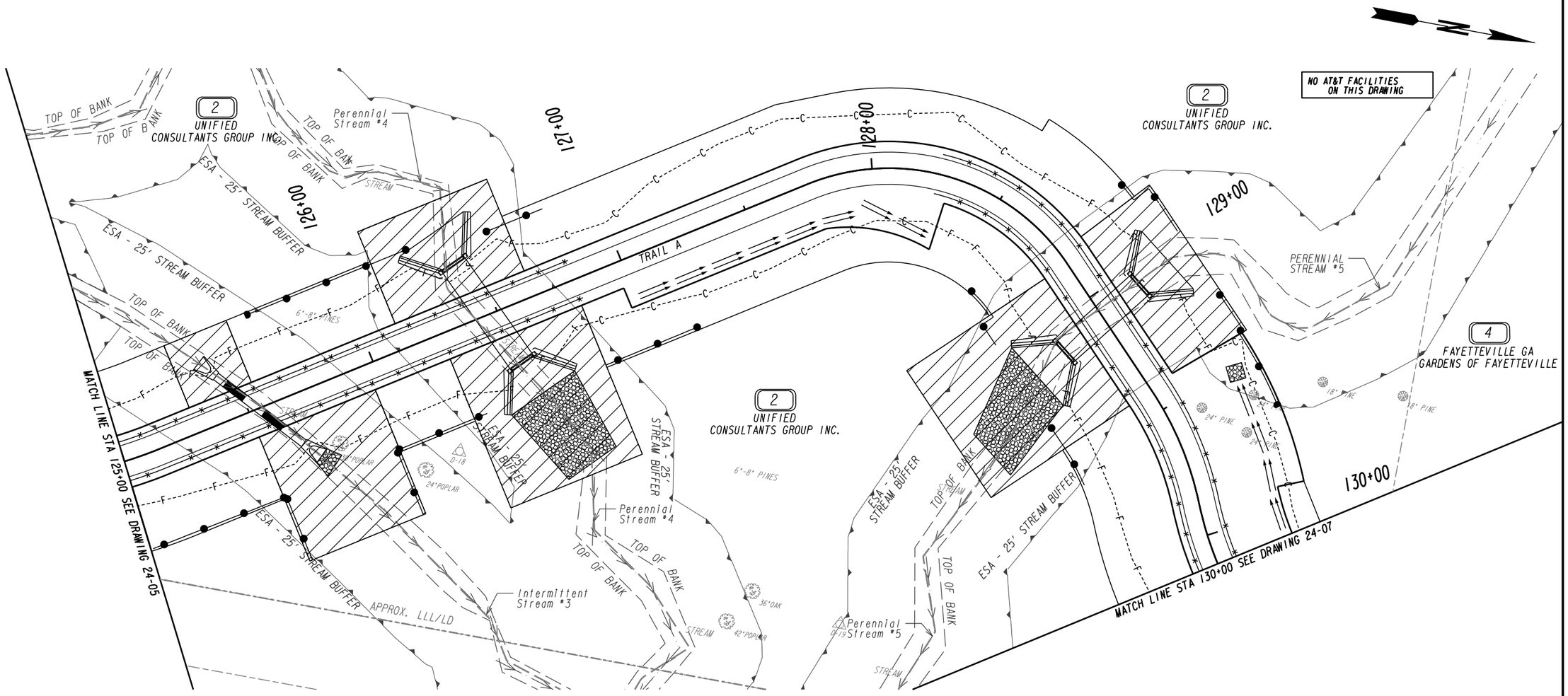
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7/31/2015 GPLN



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REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
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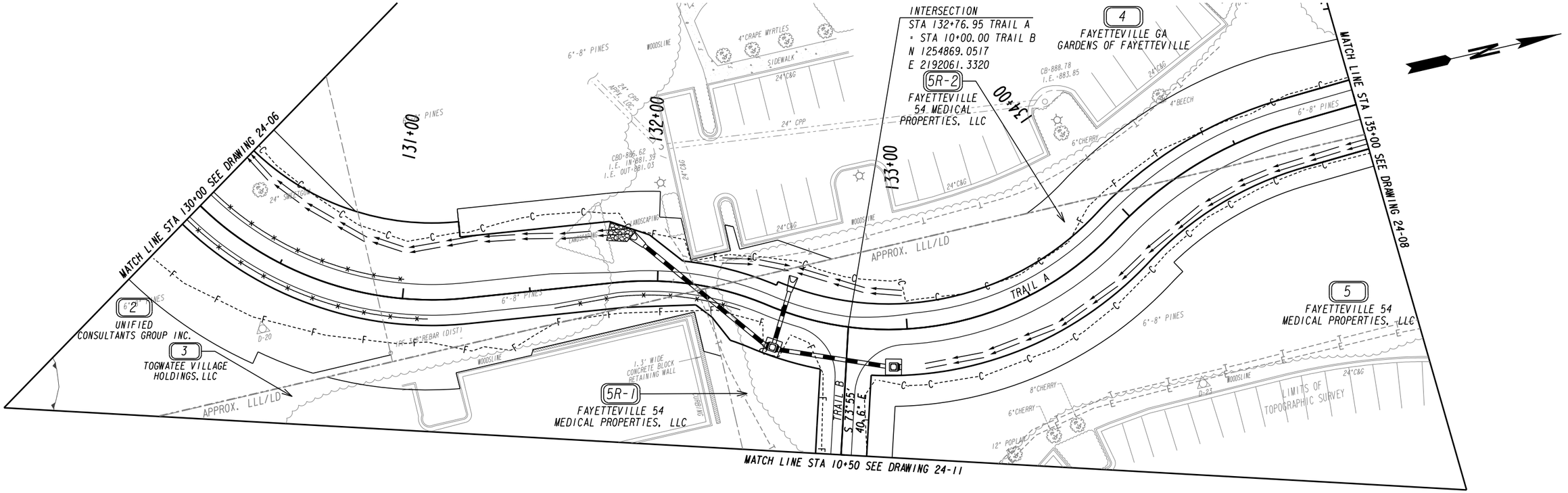
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CORRECTED:		DATE:		24-0006
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7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE	—— P ——
REQUIRED R/W LINE	——
CONSTRUCTION LIMITS	—C— —F—
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
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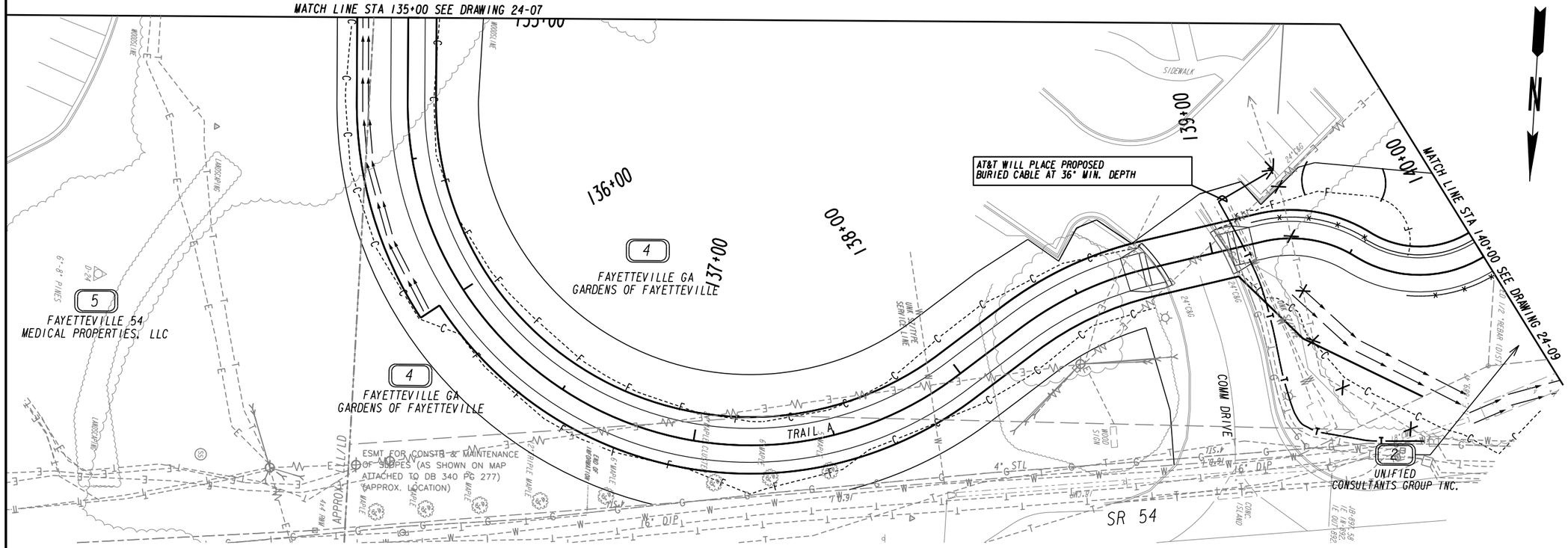
REVISION DATES

UTILITY PLANS

SR 54 MULTI-USE TRAIL & BRIDGE

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BACKCHECKED:		DATE:	
CORRECTED:		DATE:	24-0007
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7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
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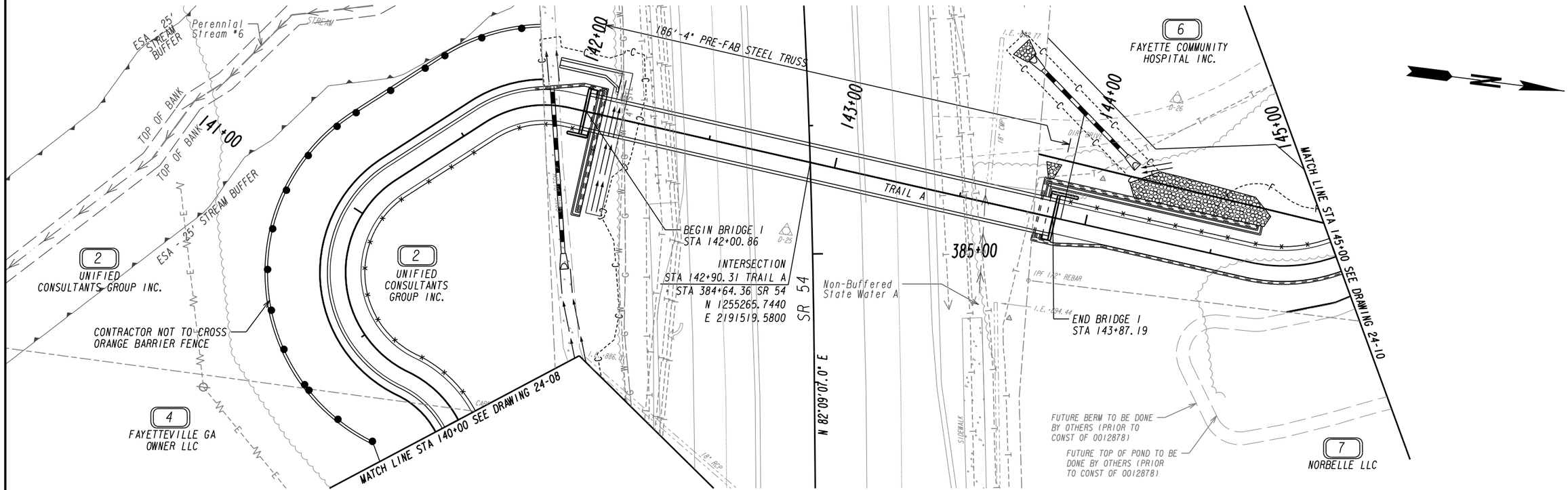
REVISION DATES		

UTILITY PLANS

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7/31/2015 GPLN



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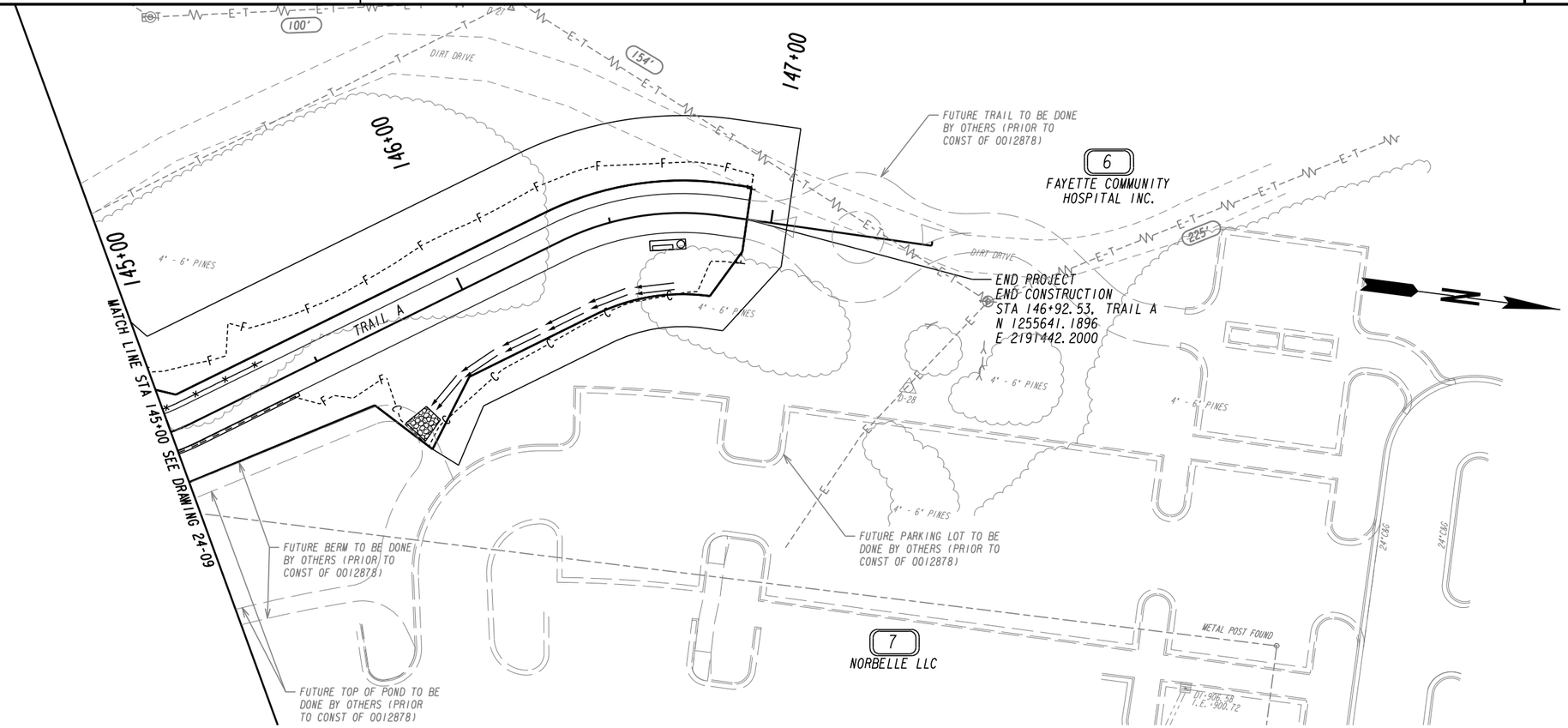
REVISION DATES

UTILITY PLANS

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7/31/2015 GPLN



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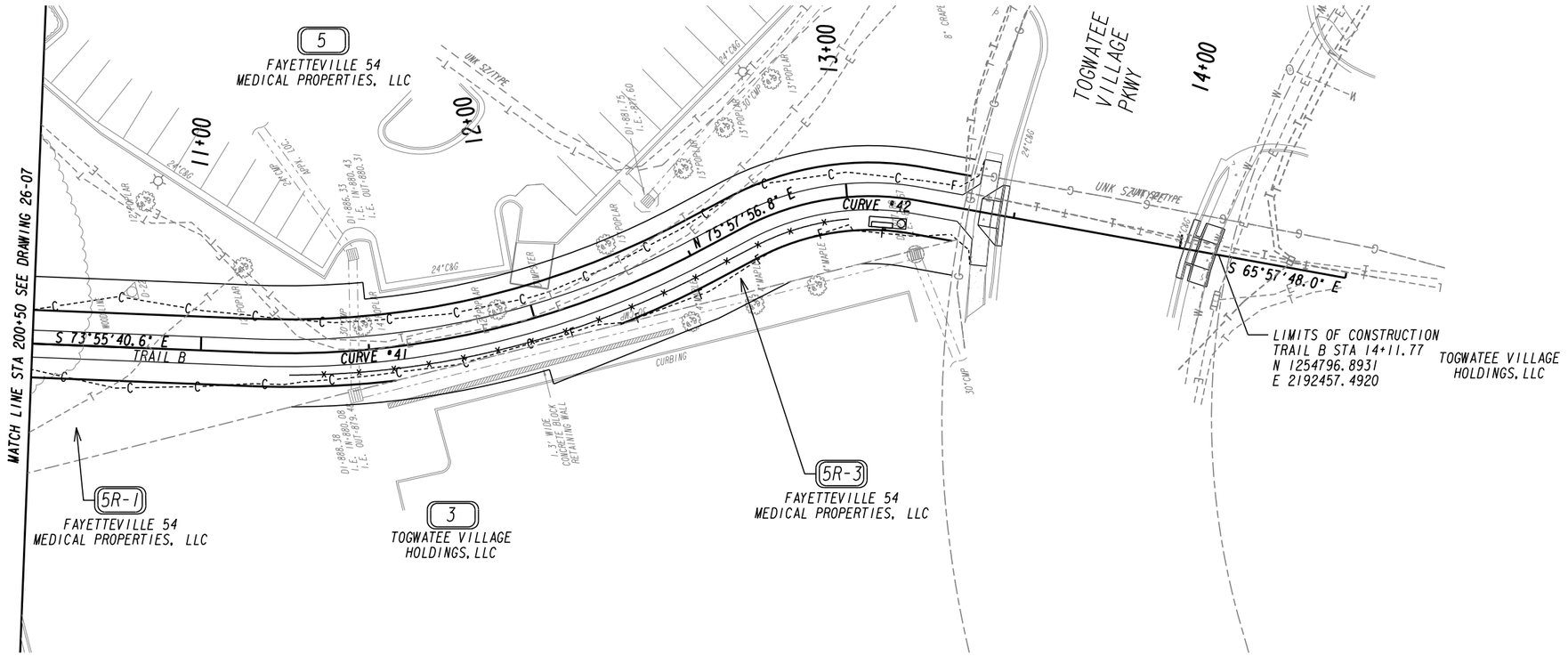
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7/31/2015 GPLN



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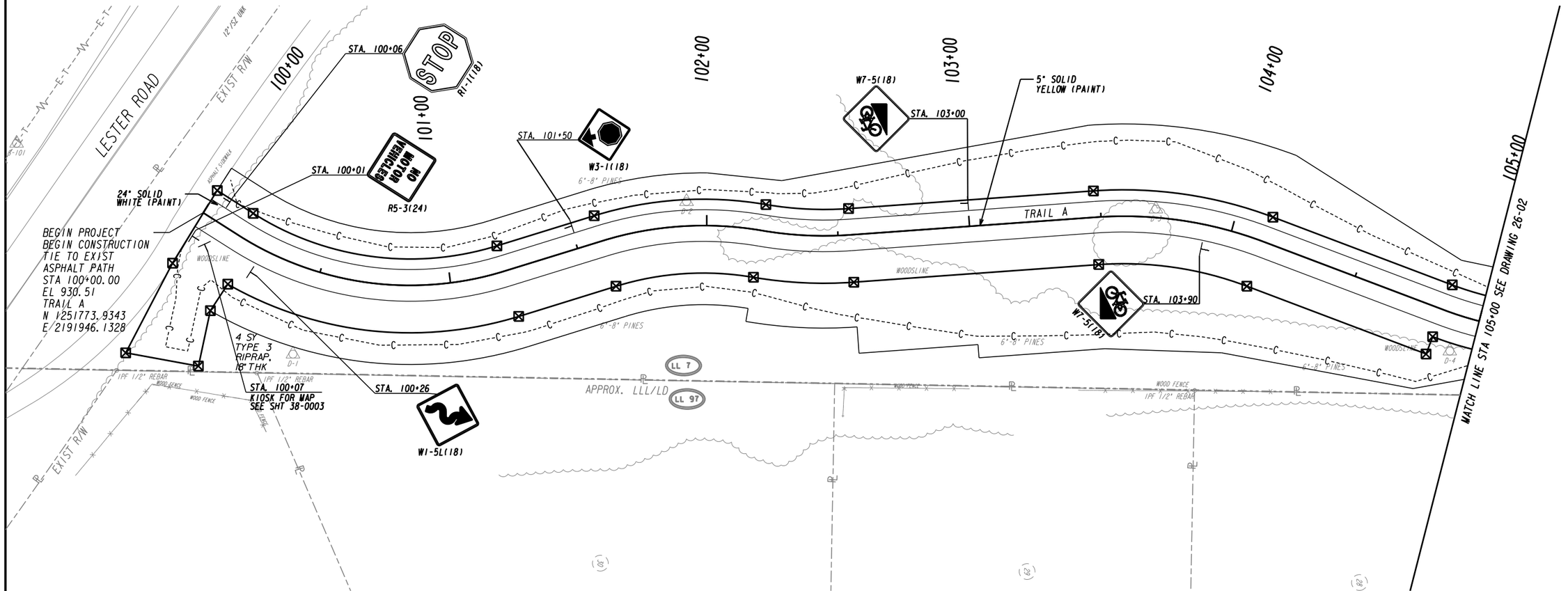
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UTILITY PLANS

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7/31/2015 GPLN



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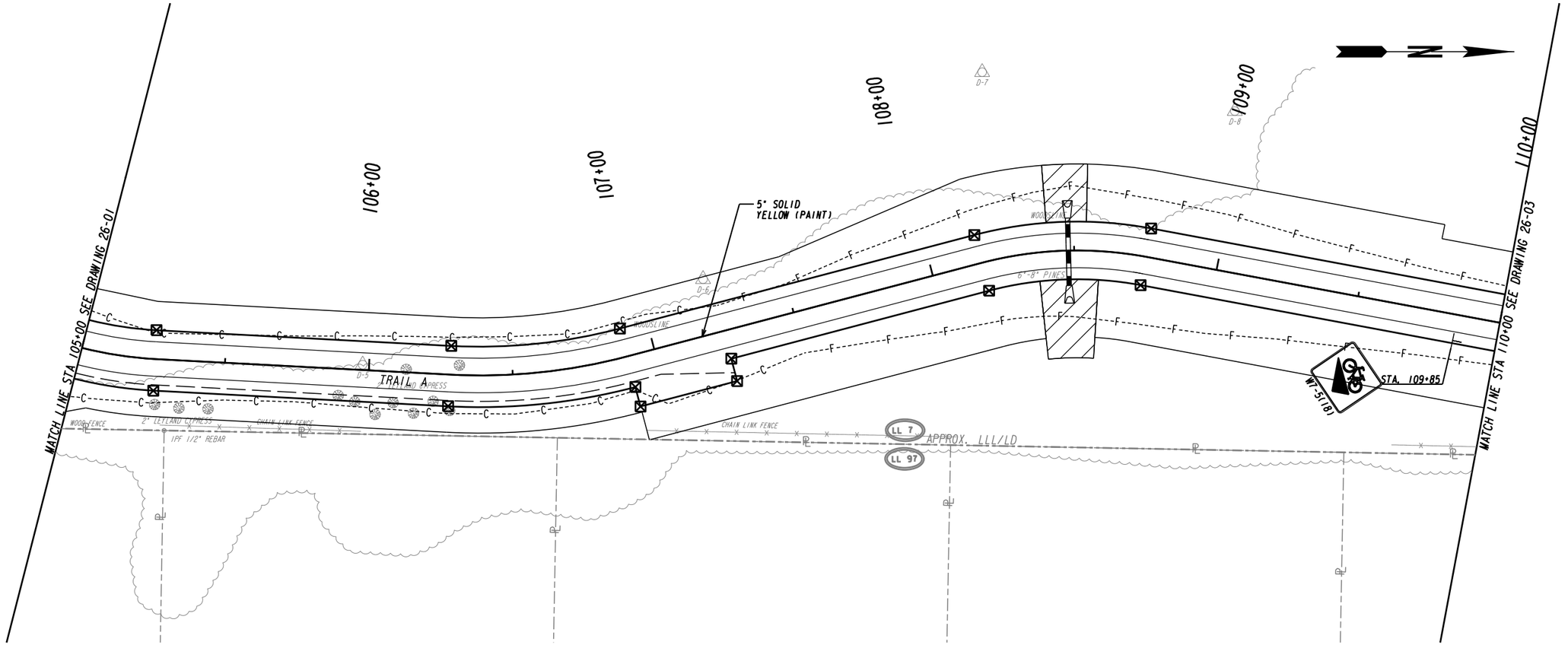
REVISION DATES		

SIGNING AND MARKING PLANS

SR 54 MULTI-USE TRAIL & BRIDGE

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7/31/2015 GPLN



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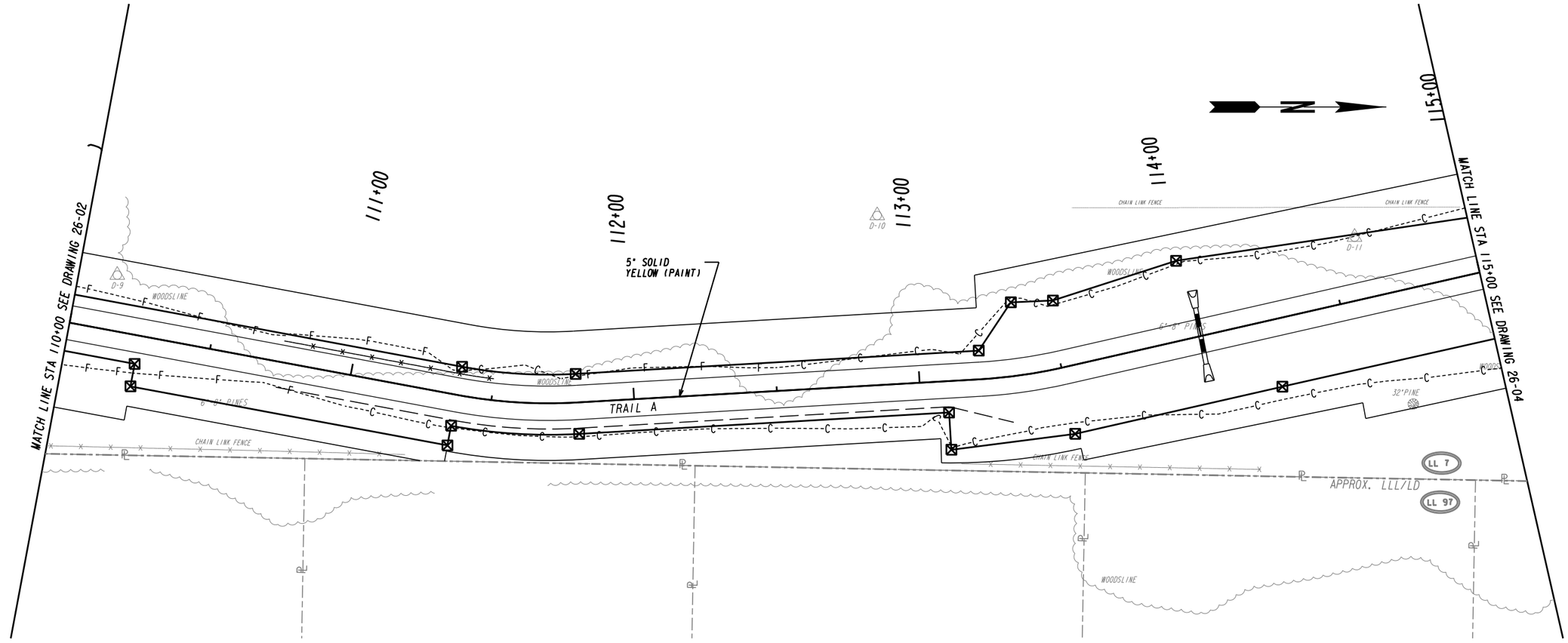
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SIGNING AND MARKING PLANS

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7/31/2015 GPLN



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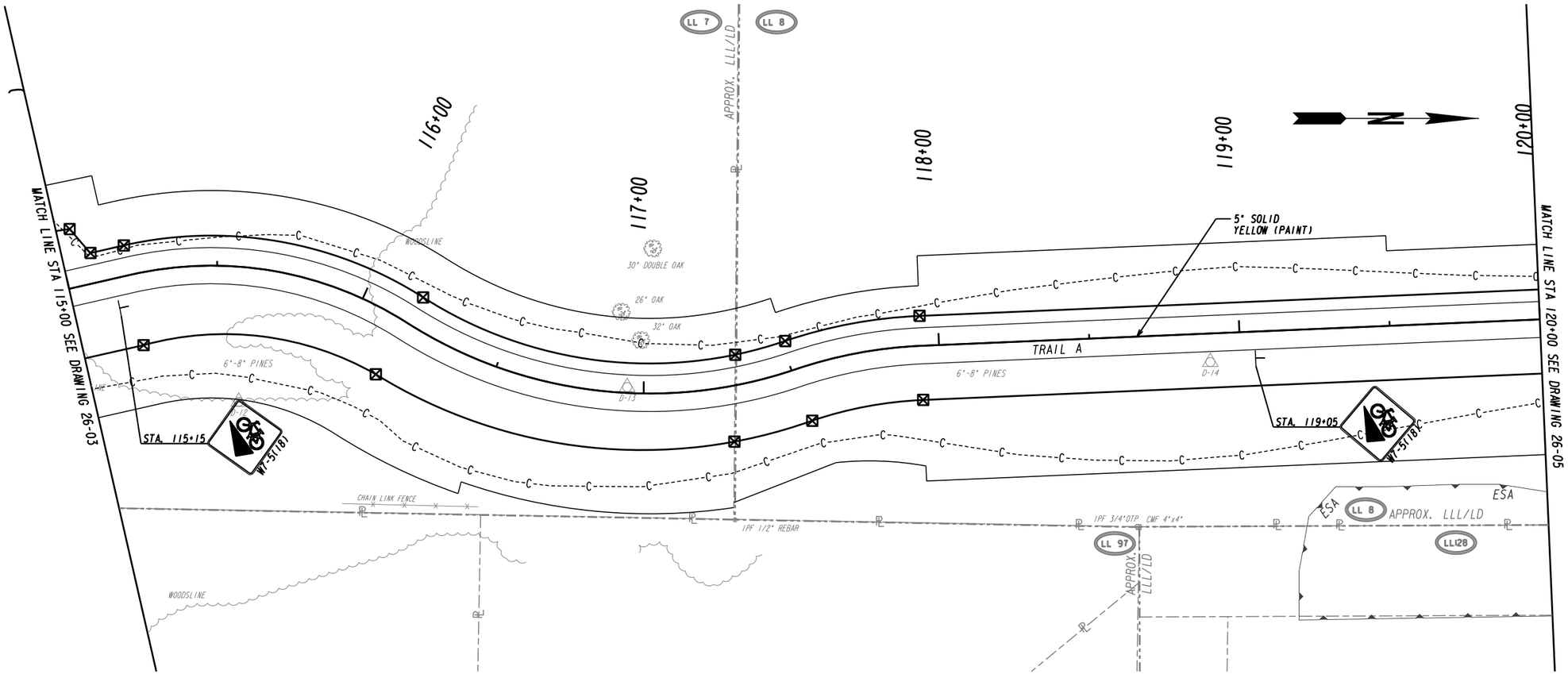
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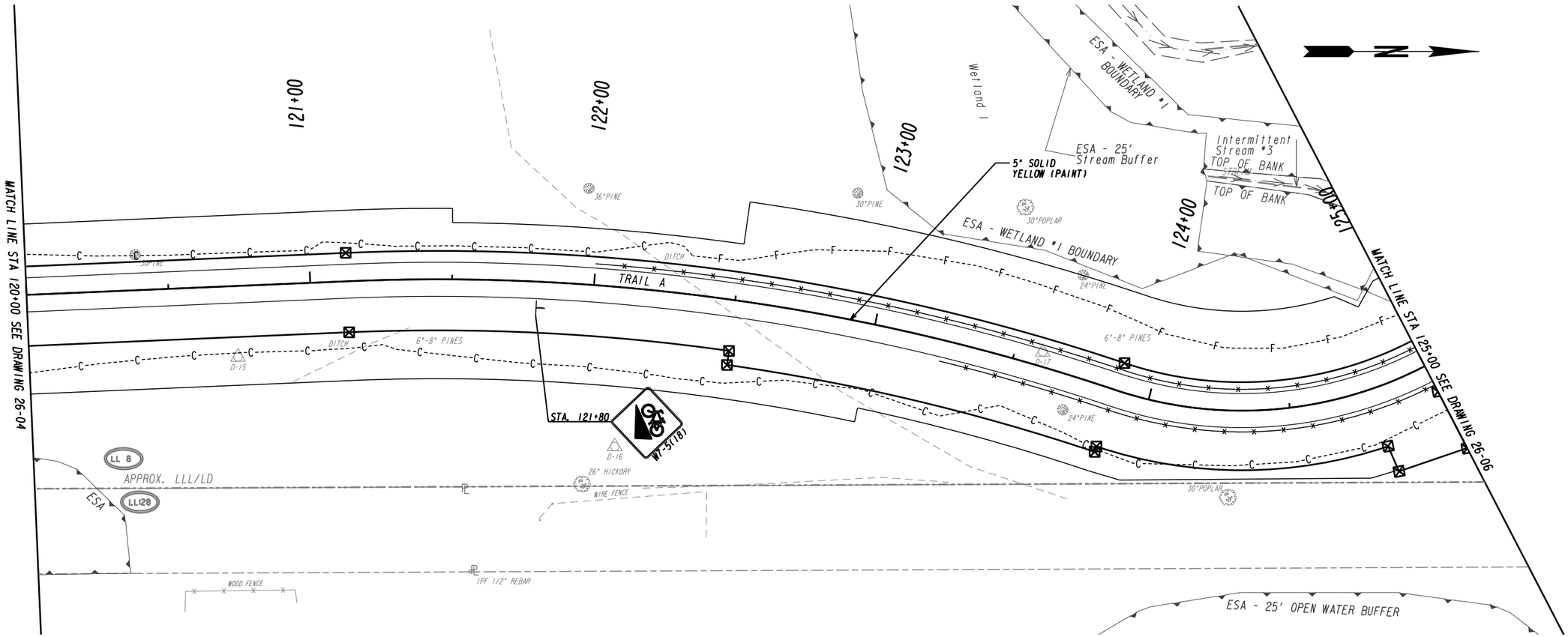
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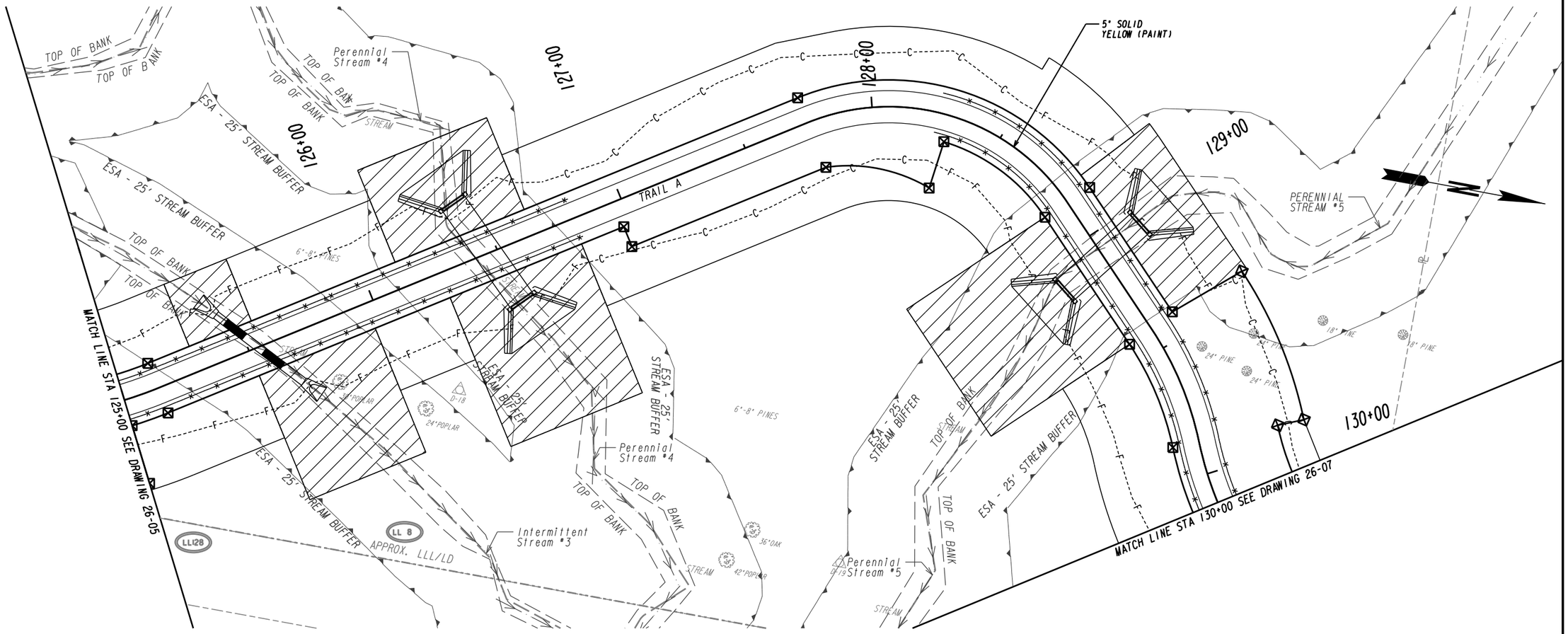
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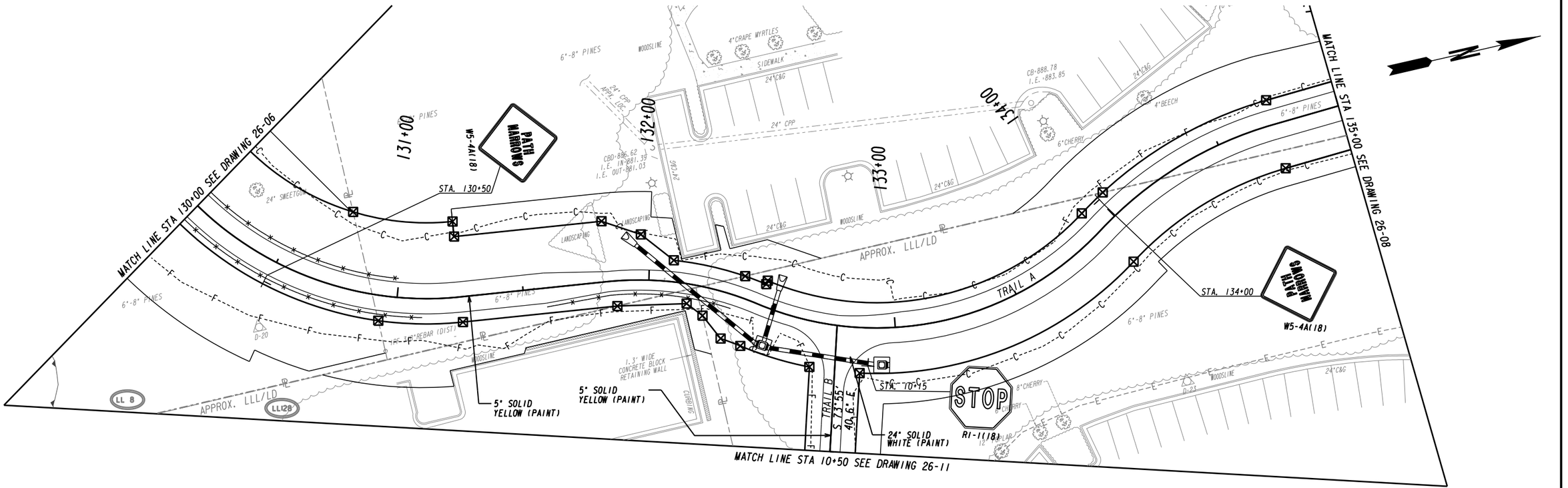
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SCALE IN FEET
0 20 40 80

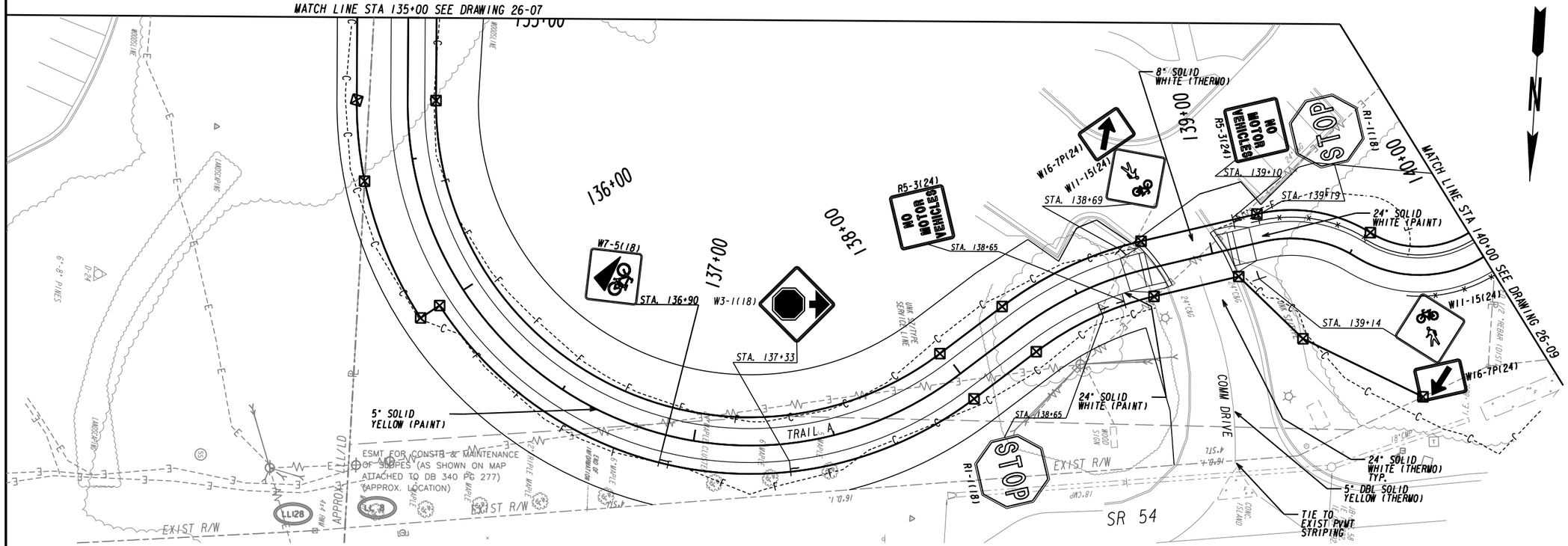
REVISION DATES

SIGNING AND MARKING PLANS

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		26-0007
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
ORANGE BARRIER FENCE

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

SCALE IN FEET
0 20 40 80

REVISION DATES

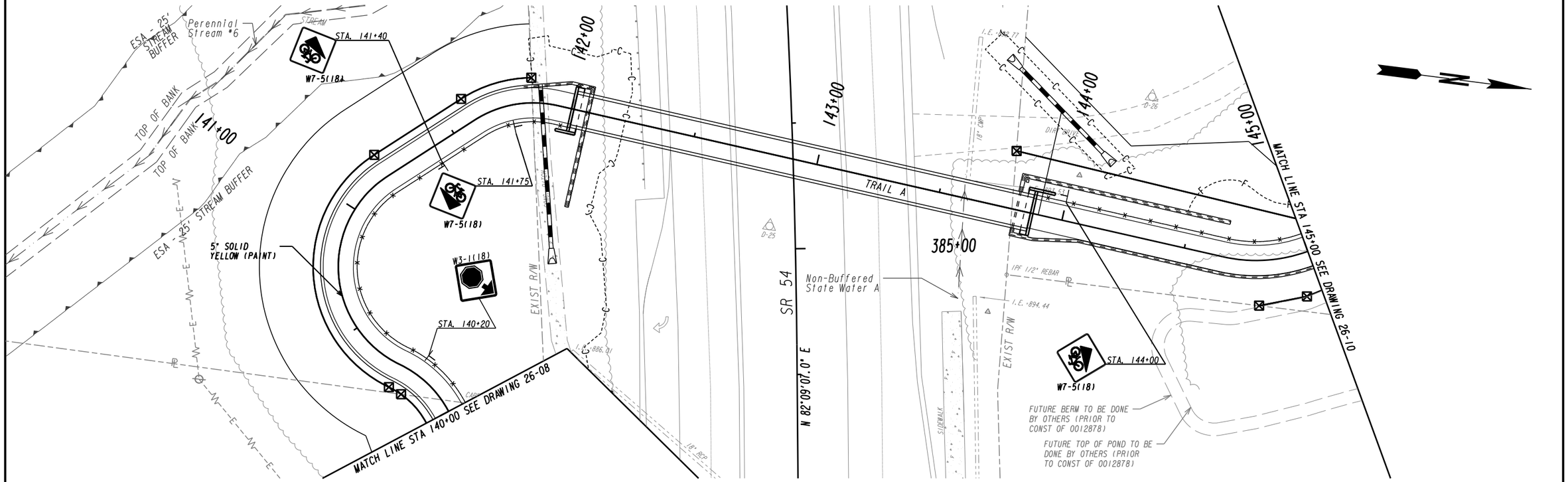
SIGNING AND MARKING PLANS

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.
26-0008

7/31/2015 GPLN



ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS.

PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
EASEMENT FOR CONSTR OF DRIVES	ORANGE BARRIER FENCE

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

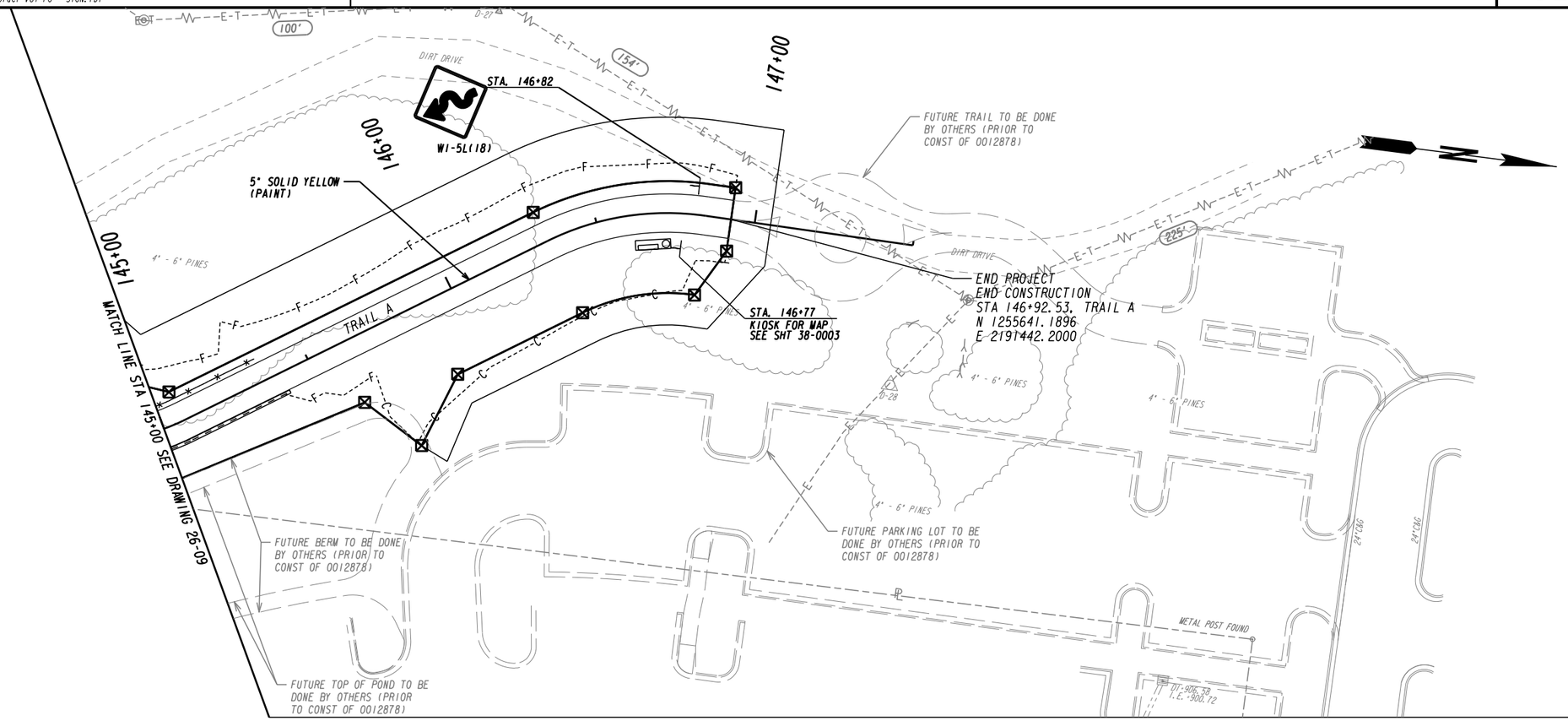
SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		26-0009
CORRECTED:		DATE:		
VERIFIED:		DATE:		



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
ORANGE BARRIER FENCE

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

SCALE IN FEET
0 20 40 80

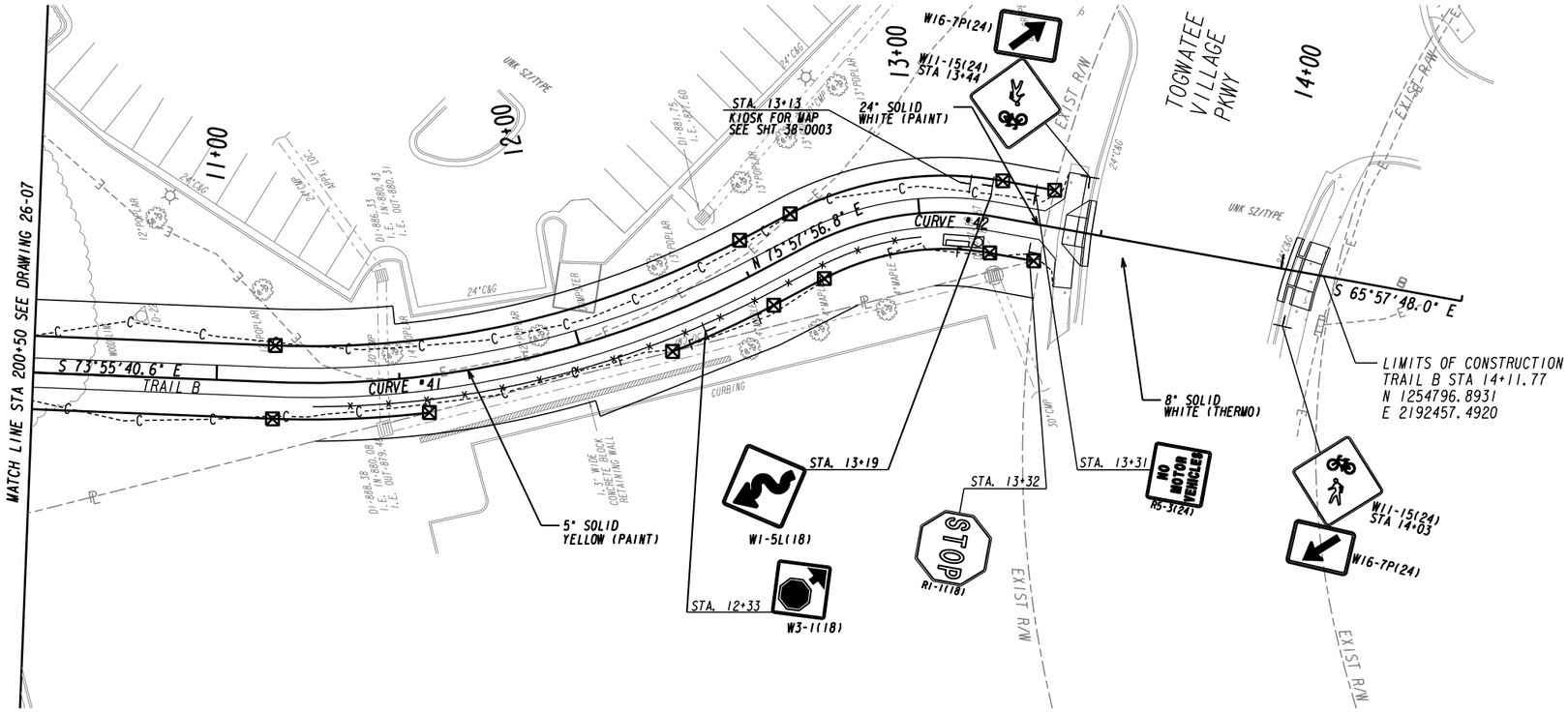
REVISION DATES

SIGNING AND MARKING PLANS

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		26-0010
VERIFIED:		DATE:		

7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
ORANGE BARRIER FENCE

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		26-0011
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN

DESIGN DATA

SPECIFICATIONS ---------- AASHTO 17TH EDITION, 2002

DESIGN SOIL PRESSURE ---------- 4.0 KSF

COHESION ---------- 0 PSF

ANGLE OF INTERNAL FRICTION ---------- 28°

UNIT WEIGHT ---------- 115 PCF

COEFFICIENT OF SLIDING FRICTION ---------- 0.53

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2013 EDITION AND 2016 SUPPLEMENTAL SPECIFICATIONS, AS MODIFIED BY CONTRACT DOCUMENTS.

REINFORCING STEEL - PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL.

FINISH - FINISH MSE WALL PANELS WITH AN ASHLAR STONE PATTERN.

GRAFFITI PROOF COATING - ALL MSE WALL PANELS SHALL HAVE A GRAFFITI PROOF COATING AS PER SECTION 838 OF THE GEORGIA DOT SPECIFICATIONS.

CONCRETE COVER - MAINTAIN 2 INCHES COVER MINIMUM ON ALL REINFORCING STEEL.

STATIONS AND OFFSETS - STATIONS SHOWN ARE ALONG CL CONST. TRAIL A. OFFSETS SHOWN ARE MEASURED TO THE FRONT FACE OF WALL.

STAGE CONSTRUCTION - THE WALL MAY BE CONSTRUCTED IN STAGES TO IMPROVE THE UNDERLYING SOIL BEARING CAPACITY. CONSTRUCT WALL TO A HEIGHT EQUIVALENT TO THE ALLOWABLE BEARING PRESSURE, WAIT 30 DAYS TO ALLOW FOR COMPLETION OF AT LEAST 90 PERCENT OF ESTIMATED SETTLEMENT, THEN CONSTRUCT ADDITIONAL STAGES OR REMAINDER OF WALL. DURING MSE WALL CONSTRUCTION, INSTALLATION OF VERTICAL CANS THROUGH THE REINFORCED FILL IS REQUIRED FOR SUBSEQUENT PILE INSTALLATION, SEE SECTION 551 OF THE GEORGIA DOT SPECIFICATIONS.

SETTLEMENT MONITORING - MONITOR MSE WALL SETTLEMENT DURING CONSTRUCTION TO CONFIRM THE EXPECTED PERFORMANCE AND DETERMINE THE FINAL WAITING PERIOD NECESSARY. MINIMAL INSTRUMENTATION TO MONITOR SETTLEMENT SHOULD CONSIST OF SETTLEMENT PLATES INSTALLED AT THE INTERFACE OF THE WALL FILL AND THE EXISTING GROUND SURFACE.

TEMPORARY SHORING - PROVIDE TEMPORARY SHORING AS NECESSARY FOR WALL CONSTRUCTION.

JOINTS - PROVIDE ONE INCH EXPANSION JOINT IN COPING OR BARRIER AT EVERY FOURTH PANEL.

WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS AND TESTING. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

WALL PLANS - THE RETAINING WALL IS CONSIDERED A CONTRACTOR DESIGN. THESE WALL PLANS ARE CONCEPTUAL AND ARE FOR ILLUSTRATIVE PURPOSES ONLY. EXACT NUMBER OF SOIL REINFORCING STRIPS, THEIR LOCATIONS AND LENGTHS SHALL BE PROVIDED BY THE CONTRACTOR FOR THE WALL SYSTEM BID. THE PRESENCE OF THESE CONCEPTUAL PLANS IN THE CONTRACT DOCUMENTS IN NO WAY RELIEVES THE CONTRACTOR FROM PROVIDING A WALL SYSTEM WHICH PROVIDES STRUCTURAL ADEQUACY IN ACCORDANCE WITH SECTION 627 OF THE GEORGIA DOT SPECIFICATIONS, AT THE BID PRICE.

INCIDENTAL ITEMS - INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATION AND/OR SPECIAL PROVISIONS IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF JOINT FILLERS, NEOPRENE PADS, WATERPROOFING AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

FOUNDATION BACKFILL MATERIAL - PLACE 1'-0" OF TYPE II FOUNDATION BACKFILL MATERIAL UNDER WALL 1 PARALLEL TO THE TRAIL ALIGNMENT.

SUMMARY OF QUANTITIES - MSE WALL 1

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
207-0203	230	CY	FOUND BKFILL MATL, TP 11
627-1000	61	SF	MSE WALL FACE, 0 - 10 FT HT, WALL NO - 1
627-1010	1011	SF	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 1
627-1020	3359	SF	MSE WALL FACE, 20 - 30 FT HT, WALL NO - 1
627-1030	3501	SF	MSE WALL FACE, GTR THAN 30 FT HT, WALL NO - 1
627-1100	61	LF	COPING A, WALL NO - 1
627-1120	256	LF	COPING B, WALL NO - 1

SUMMARY OF QUANTITIES - MSE WALL 2

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
627-1000	306	SF	MSE WALL FACE, 0 - 10 FT HT, WALL NO - 2
627-1010	2941	SF	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 2
627-1020	921	SF	MSE WALL FACE, 20 - 30 FT HT, WALL NO - 2
627-1100	116	LF	COPING A, WALL NO - 2
627-1120	158	LF	COPING B, WALL NO - 2
627-1180	9	CY	ADDITIONAL MSE BACKFILL

GEORGIA REGISTERED No. 36762 PROFESSIONAL ENGINEER CHRISTOPHER M. JOHNSON

DRAWING NO. 32-0001

WALL SHEET 1 OF 4

AECOM

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES & STRUCTURES

GENERAL NOTES
WEST FAYETTEVILLE PATH OVER SR 54

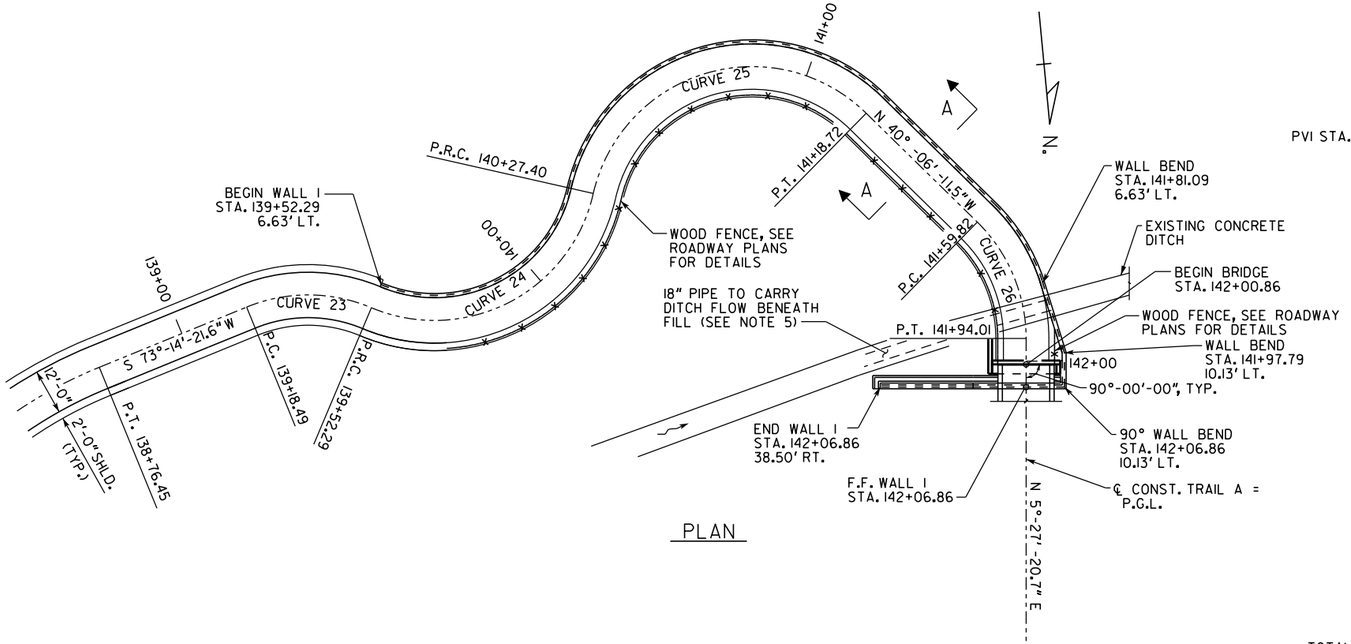
FAYETTE COUNTY 0012878

NO SCALE JULY 2018

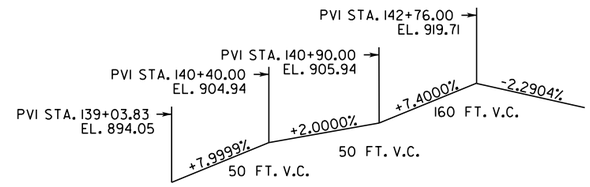
DESIGNED KEY	CHECKED CMJ	REVIEWED SKG
DRAWN KEY	DESIGN GROUP SKG	APPROVED WMD

DATE | REVISIONS | BY

GDOT	P.I. NO. 0012878



PLAN



VERTICAL CURVE DATA
TRAIL A

P.I. STA. = 139+36.32
Δ = 45°-02'-25.8"(RT)
D = 133°-14'-45.6"
T = 17.83 FT.
L = 33.80 FT.
R = 43.00 FT.
S.E. = 1%

HORIZONTAL CURVE DATA
CURVE 23-TRAIL A

P.I. STA. = 140+03.61
Δ = 100°-04'-21.3"(LT)
D = 133°-14'-45.6"
T = 51.31FT.
L = 75.10 FT.
R = 43.00 FT.
S.E. = 1%

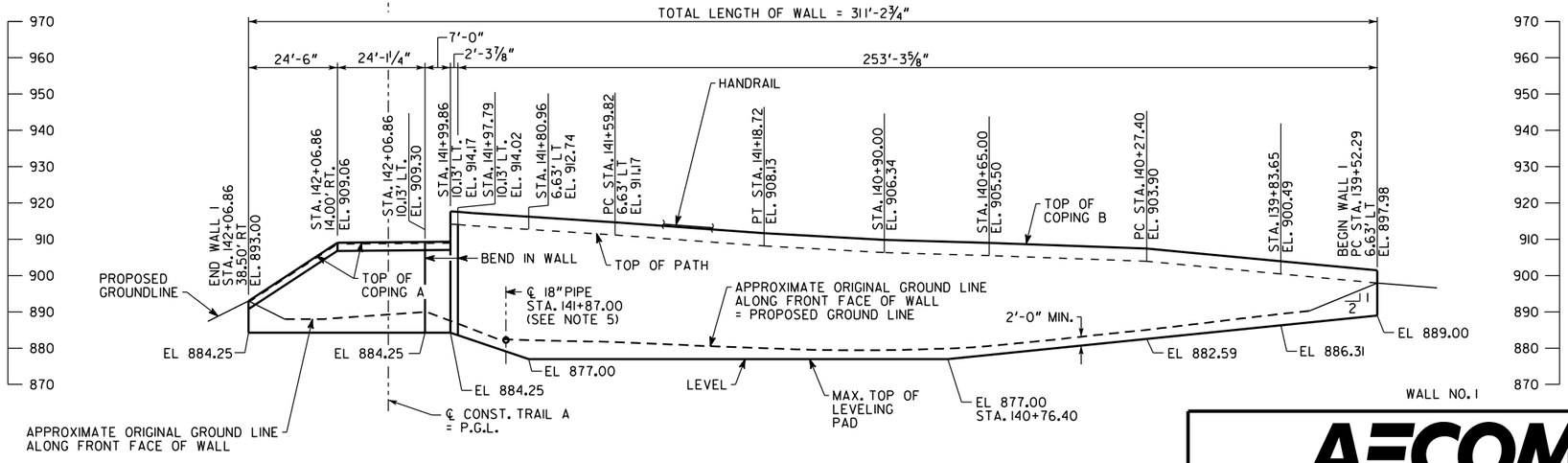
HORIZONTAL CURVE DATA
CURVE 24-TRAIL A

P.I. STA. = 141+04.48
Δ = 121°-41'-22.4"(RT)
D = 133°-14'-45.6"
T = 77.08 FT.
L = 91.33 FT.
R = 43.00 FT.
S.E. = 1%

HORIZONTAL CURVE DATA
CURVE 25-TRAIL A

P.I. STA. = 141+77.87
Δ = 45°-33'-32.1"(RT)
D = 133°-14'-45.6"
T = 18.06 FT.
L = 34.19 FT.
R = 43.00 FT.
S.E. = 1%

HORIZONTAL CURVE DATA
CURVE 26-TRAIL A



ELEVATION
LOOKING AT FRONT FACE OF WALL

NOTES:

1. ELEVATIONS SHOWN ARE AT INTERSECTION OF TOP OF PATH AT INSIDE FACE OF COPING B OR TOP OF COPING A.
2. STATIONS ARE ALONG ℄ TRAIL A.
3. SEE DRAWING 32-0004 FOR WALL SECTIONS.
4. DIMENSIONS ARE ALONG FRONT FACE OF WALL.
5. FOR ADDITIONAL DETAILS OF 18"PIPE SEE ROADWAY PLANS.

AECOM

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES & STRUCTURES

WALL I PLAN AND ELEVATION
WEST FAYETTEVILLE PATH OVER SR 54

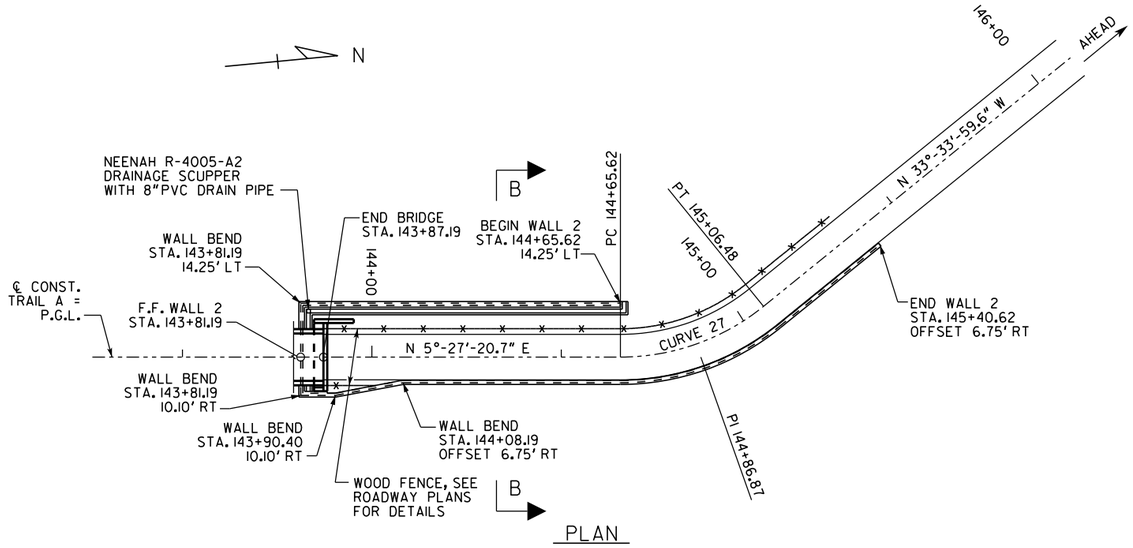
FAYETTE COUNTY 0012878

SCALE: 1"= 20'-0" JULY 2018

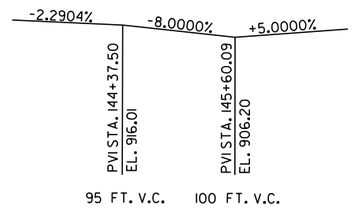
DESIGNED KEY	CHECKED CMJ	REVIEWED SKG
DRAWN KEY	DESIGN GROUP SKG	APPROVED WMD

DRAWING NO. 32-0002
WALL SHEET 2 OF 4

REVISIONS | BY | DATE



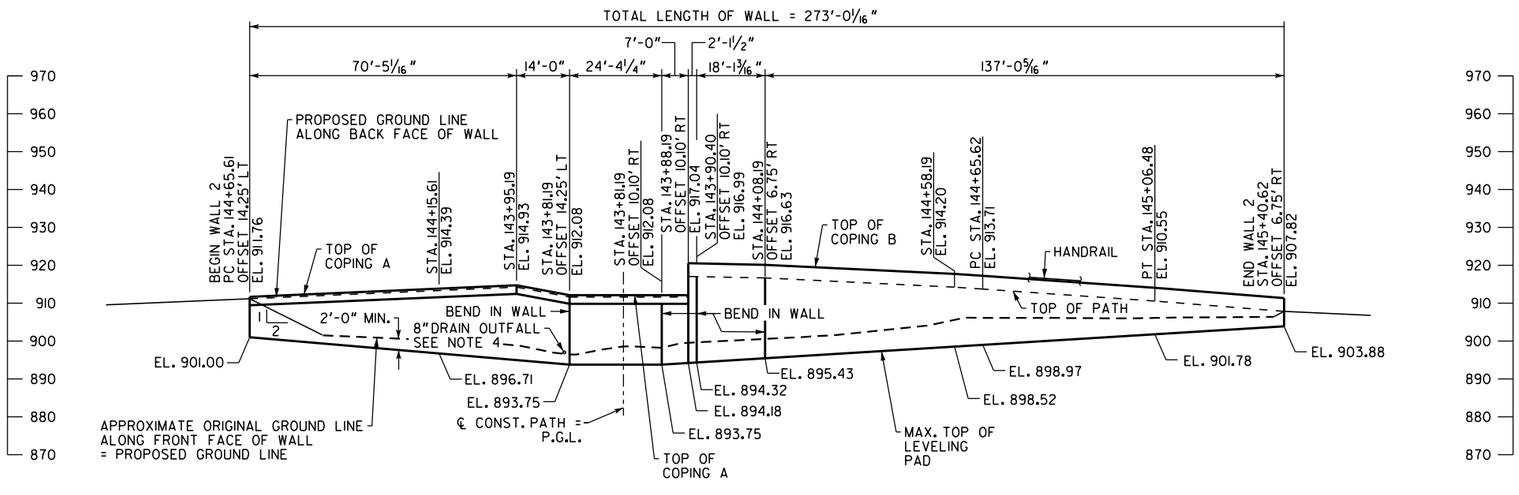
PLAN



VERTICAL CURVE DATA
TRAIL A

P.I. STA. = 144+86.87
Δ = 39°-01'-20.3" LT
D = 95°-29'-34.68"
T = 21.26 FT.
L = 40.86 FT.
R = 60.00 FT.
S.E. = -1%

HORIZONTAL CURVE DATA - C27
CURVE 27-TRAIL A



ELEVATION
LOOKING AT FRONT FACE OF WALL

NOTES

1. ELEVATIONS SHOWN ARE AT INTERSECTION OF TOP OF PATH AND INSIDE FACE OF COPING B OR TOP OF COPING A AND AT TOP OF LEVELING PAD.
2. STATIONS ARE ALONG ℄ TRAIL A.
3. SEE DRAWING NO. 32-0004 FOR WALL SECTIONS.
4. SEE SECTION B-B ON DRAWING NO. 32-0004.

WALL NO. 2

GDOT | P.I. NO. 0012878

AECOM

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES & STRUCTURES

WALL 2 PLAN AND ELEVATION
WEST FAYETTEVILLE PATH OVER SR 54

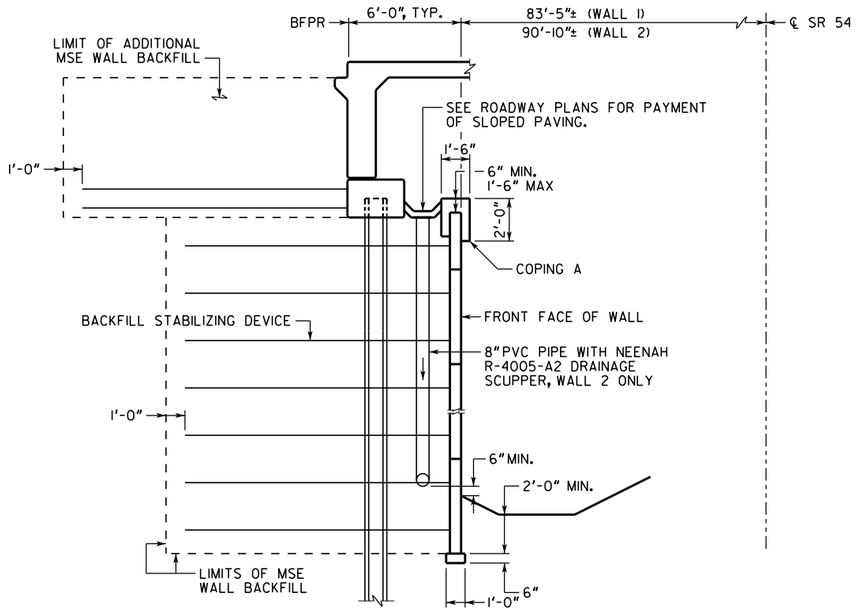
FAYETTE COUNTY 0012878

SCALE: 1" = 20'-0" JULY 2018

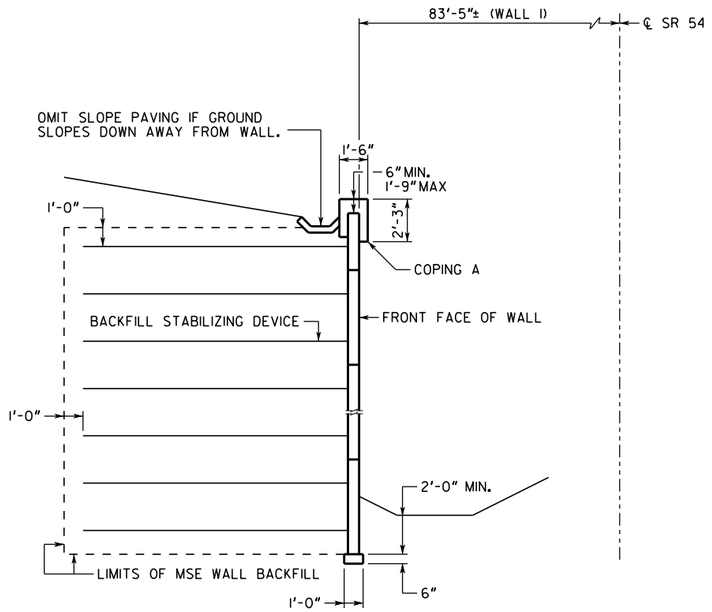
DESIGNED KEY | CHECKED CMJ | REVIEWED SKG
DRAWN KEY | DESIGN GROUP SKG | APPROVED WMD

DRAWING NO. 32-0003
WALL SHEET 3 OF 4

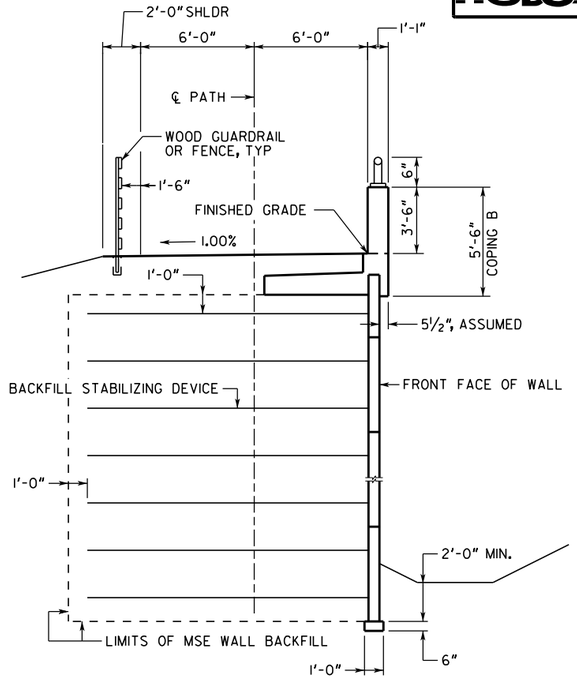
REVISIONS | DATE | BY



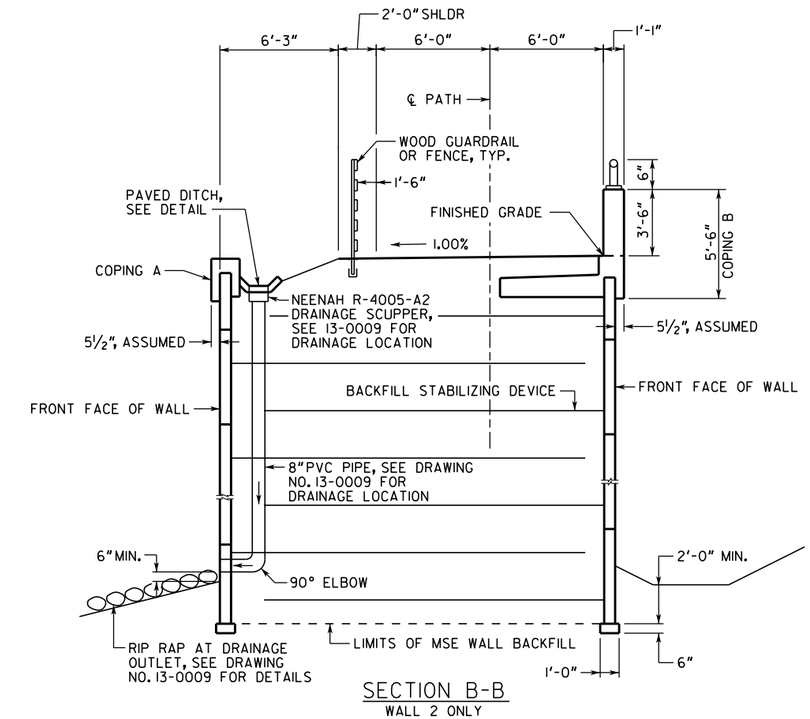
SECTION UNDER BRIDGE
WALL 1 AND WALL 2



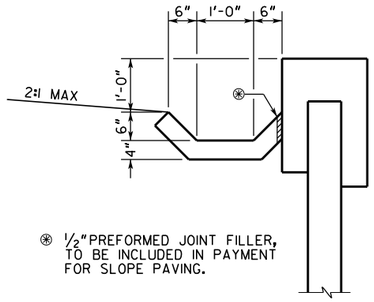
SECTION OUTSIDE OF BRIDGE
WALL 1 ONLY



SECTION A-A
WALL 1 ONLY

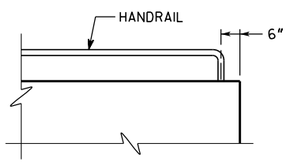


SECTION B-B
WALL 2 ONLY

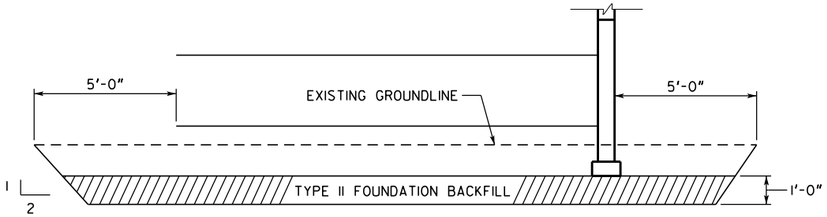


⊛ ½"PREFORMED JOINT FILLER, TO BE INCLUDED IN PAYMENT FOR SLOPE PAVING.

PAVED DITCH DETAIL



DETAIL AT WALL END
SEE GA. STD. 9031-R FOR HANDRAIL DETAILS.



TYPE II FOUNDATION BACKFILL DETAIL
WALL 1 ONLY
STA. 139+52.29 TO STA. 141+59.82

NOTES:

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS TO COORDINATE THE FENCE POST FOUNDATION WITH THE DESIGNER IN THE AREA OF THE MSE WALL. THE FENCE AT MSE WALL IS ON THE LEFT SIDE OF TRAIL FROM STA. 141+91.82 TO BEGIN BRIDGE AND THE RIGHT SIDE OF TRAIL FROM END BRIDGE TO STA. 144+00.84.
2. FOR DETAILS ON WOOD FENCE OR GUARDRAIL SEE ROADWAY PLANS.

GDOT | P.I. NO. 0012878

AECOM

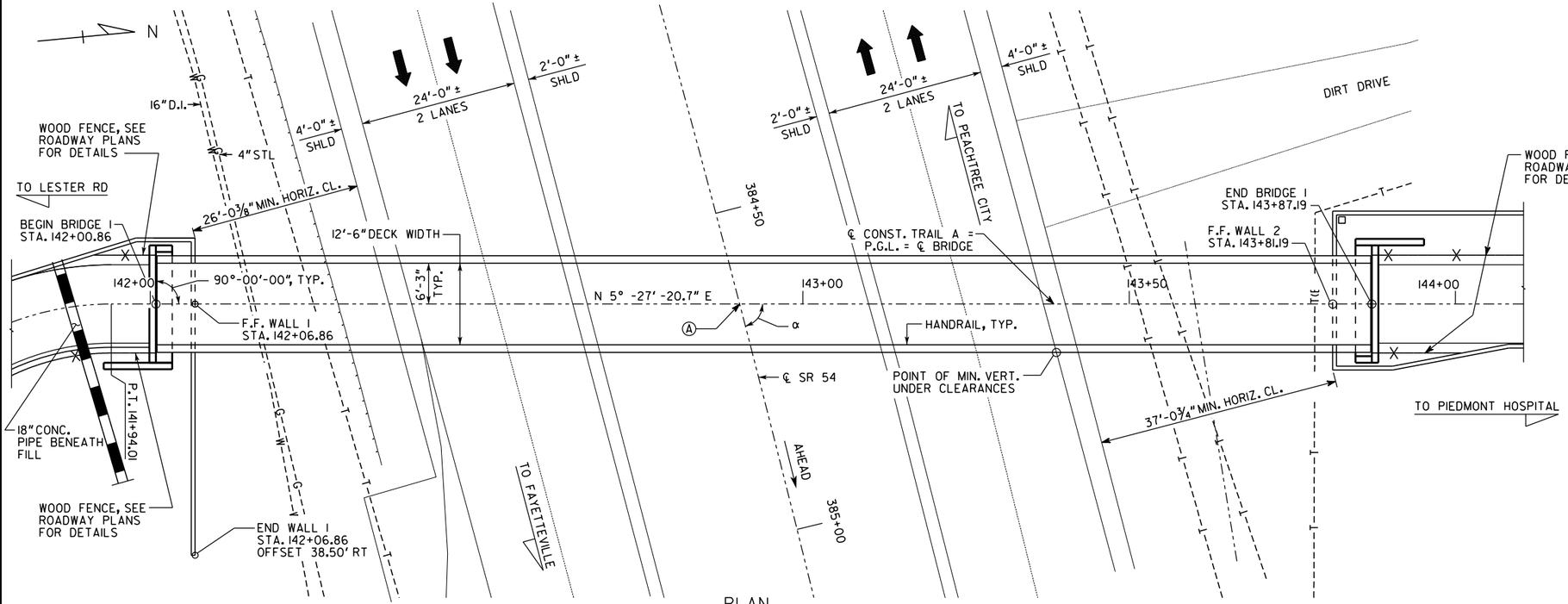
GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES & STRUCTURES

WALL DETAILS
WEST FAYETTEVILLE PATH OVER SR 54

FAYETTE COUNTY 0012878

DRAWING NO. 32-0004	NO SCALE	JULY 2018
WALL SHEET 4 OF 4	DESIGNED KEY / DRAWN KEY	CHECKED CMJ / DESIGN GROUP SKG	REVIEWED SKG / APPROVED WMD

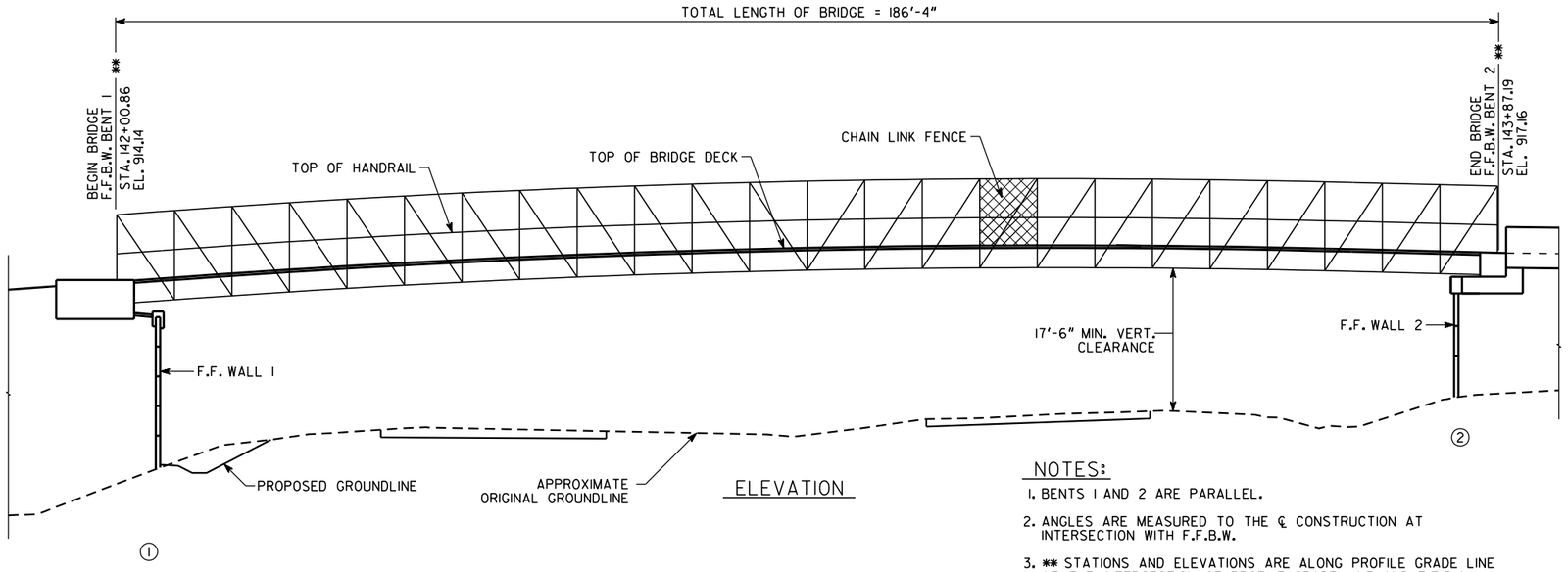
REVISIONS — DATE — BY



PLAN

Ⓐ = ℄ CONST. TRAIL A STA. 142+90.31 = ℄ SR 54 STA. 384+64.36

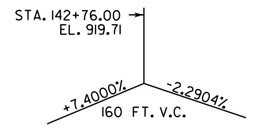
α = 75°-24'-18" ± TO LOC. TAN.



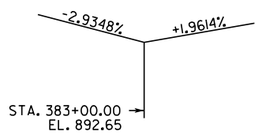
ELEVATION

NOTES:

1. BENTS 1 AND 2 ARE PARALLEL.
2. ANGLES ARE MEASURED TO THE ℄ CONSTRUCTION AT INTERSECTION WITH F.F.B.W.
3. ** STATIONS AND ELEVATIONS ARE ALONG PROFILE GRADE LINE AT THE INTERSECTION OF PROFILE GRADE LINE AND F.F.B.W.
4. PROPOSED BRIDGE DECK TO BE BUILT AT A 1.00% SLOPE DOWN TO THE RIGHT.
5. F.F.B.W. = FRONT FACE OF BACK WALL



VERTICAL CURVE DATA
TRAIL A



VERTICAL CURVE DATA
SR 54
(FOR INFORMATION ONLY)

P.I. STA. = 380+76.79
Δ = 16°-15'-28" RT
D = 1°-45'-00"
T = 467.65 FT.
L = 929.01 FT.
R = 3274.00 FT.
S.E. = 4%
t = 165.0 FT.

HORIZONTAL CURVE DATA
SR 54
(FOR INFORMATION ONLY)

PROJECT P.I. NO. 0012878

BRIDGE NO. 1

GEORGIA REGISTERED No. 36762 PROFESSIONAL ENGINEER CHRISTOPHER M JOHNSON

DRAWING NO. 35-0001

BRIDGE SHEET 1 OF 6

AECOM

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES & STRUCTURES

PLAN AND ELEVATION
WEST FAYETTEVILLE TRAIL OVER SR 54

FAYETTE COUNTY 0012878

SCALE: 1"= 10'-0", U.N.O. JULY 2018

DESIGNED KEY	CHECKED CMJ	REVIEWED SKG
DRAWN KEY/EQH	DESIGN GROUP SKG	APPROVED WMD

DATE | REVISIONS | BY

GDOT P.I. NO. 0012878

GDOT | P.I. NO. 0012878

BRIDGE CONSISTS OF

1 - 186'-4" PREFABRICATED STEEL THROUGH TRUSS SIMPLE SPAN ---- SPECIAL DESIGN

2 - STEEL H-PILE END BENTS WITH MSE WALL ABUTMENTS ----------- SPECIAL DESIGN

BAR BENDING DETAILS ---------- GA. STD. 3901 (8-69)

TYPICAL FILL DETAIL AT END OF BRIDGE ---------- GA. STD. 9037 (9-99)

DESIGN DATA

SPECIFICATIONS ---------- AASHTO LRFD 7TH EDITION, 2014
AASHTO LRFD GUIDE SPECIFICATIONS FOR DESIGN OF PEDESTRIAN BRIDGES, 2ND EDITION 2009
(DESIGNED FOR SEISMIC PERFORMANCE ZONE 1, SDI = 0.123)

PEDESTRIAN LOADING ----------90 PSF

VEHICULAR LOADING ---------- H10 TRUCK (WITHOUT IMPACT)

CONCRETE: SUBSTRUCTURE ---------- CLASS A, f'_c = 3000 PSI
SUPERSTRUCTURE ---------- SEE SPECIAL PROVISIONS

REINFORCING STEEL: ---------- GRADE 60, f_y = 60,000 PSI

STEEL H-PILES: ---------- GRADE 50, f_y = 50,000 PSI

STRUCTURAL STEEL (PREFAB. BRIDGE) ---------- SEE SPECIAL PROVISIONS

UTILITIES

NO UTILITIES ON BRIDGE

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2013 EDITION AND 2016 SUPPLEMENTAL SPECIFICATIONS, AS MODIFIED BY CONTRACT DOCUMENTS

REINFORCING STEEL - PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL. MAINTAIN 2" MINIMUM CLEARANCE ON ALL REINFORCEMENT UNLESS OTHERWISE NOTED.

CHAMFER - CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" UNLESS OTHERWISE NOTED.

TRAFFIC CONTROLS - SEE ROADWAY PLANS FOR TRAFFIC CONTROLS AND TRAFFIC CONTROL PAYMENT.

WAITING PERIOD - DO NOT BEGIN WORK AT BENTS 1 AND 2 UNTIL THE COMPLETED END FILLS HAVE BEEN IN PLACE FOR AN ESTIMATED PERIOD OF 30 DAYS TO ALLOW FOR COMPLETION OF AT LEAST 90 PERCENT OF ESTIMATED SETTLEMENT.

PLAN DRIVING OBJECTIVE - SEE SUBSTRUCTURE DETAILS.

DRIVING RESISTANCE - DETERMINE DRIVING RESISTANCE FOR PILES USING DYNAMIC PILE TESTING IN ACCORDANCE WITH SPECIAL PROVISION 520. DYNAMIC PILE TESTING SHALL BE REQUIRED FOR ONE PILE AT EACH OF BENTS 1 AND 2.

DYNAMIC PILE TESTING - PERFORM PILE TESTING USING THE PILE DRIVING ANALYZER (PDA) IN ACCORDANCE WITH SPECIAL PROVISION SECTION 523. NOTIFY THE GEOTECHNICAL BUREAU OF THE GEORGIA DOT OFFICE OF MATERIALS AND TESTING AT 404-608-4720 TWO WEEKS PRIOR TO DRIVING PILES.

WAVE EQUATION - PERFORM WAVE EQUATION ANALYSIS IN ACCORDANCE WITH SPECIAL PROVISION 520. PROVIDE RESULTS OF THE WEAP TO THE GEOTECHNICAL BUREAU OF THE GEORGIA DOT OFFICE OF MATERIALS AND TESTING FOR REVIEW AND APPROVAL TWO WEEKS PRIOR TO DRIVING PILES.

STEEL H-PILES - USE STEEL FOR H-PILES THAT MEETS THE REQUIREMENTS OF ASTM A709 GR 50.

PILE DRIVING - SHOULD PILES FAIL TO OBTAIN DRIVING RESISTANCE AFTER ACHIEVING THE MINIMUM PILE TIP ELEVATION, ALLOW PILES TO FREEZE A MINIMUM OF 24 HOURS AND RESTRIKE WITH A WARM HAMMER.

ANCHOR BOLTS - PLACE ANCHOR BOLTS IN FORMED 3" DIAMETER X 15" DEEP HOLES AND GROUT IN PLACE AS PER SUB-SECTION 501.3.05.B.3 OF THE GEORGIA DOT SPECIFICATIONS. STIRRUPS MAY BE SHIFTED SLIGHTLY TO CLEAR ANCHOR BOLT HOLES.

ABUTMENT SOIL REINFORCING DEVICE INSERTS - INCLUDE THE COST OF FURNISHING AND INSTALLING INSERTS FOR SOIL REINFORCING DEVICES AT ABUTMENT IN THE OVERALL BID SUBMITTED.

STAGED CONSTRUCTION - STAGE CONSTRUCTION FOR PILE INSTALLATION THROUGH THE END BENTS IS REQUIRED TO PREVENT POSSIBLE DOWN-DRAG LOADS ON THE PILES FROM SETTLEMENT OF THE IN-SITU SOILS UNDER THE MSE WALL LOADS. PILES SHOULD NOT BE INSTALLED UNTIL AT LEAST 90 PERCENT OF THE ANTICIPATED SETTLEMENT HAS OCCURRED. DURING MSE WALL CONSTRUCTION, INSTALLATION OF VERTICAL CANS THROUGH THE REINFORCED FILL IS REQUIRED FOR SUBSEQUENT PILE INSTALLATION, SEE SECTION 551 OF THE GEORGIA DOT SPECIFICATIONS.

FENCING - FENCE SHALL BE 9 GAGE ZINC COATED CHAIN LINK AND CONFORM TO SECTION 894 OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE COST OF FENCE IN LUMP PRICE BID FOR "PEDESTRIAN BRIDGE OVERPASS".

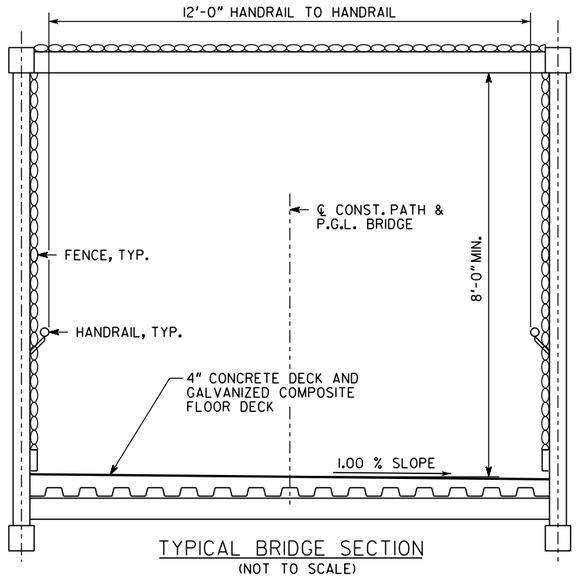
WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS AND TESTING. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

INCIDENTAL ITEMS - INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF NEOPRENE PADS, WATERPROOFING, JOINT FILLERS, GRAFFITI PROOF COATING, SPECIAL SURFACE COATING AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

PREFABRICATED STEEL TRUSS - PREFABRICATED STEEL TRUSS IS TO BE WEATHERING STEEL, SEE SPECIAL PROVISION 534.

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
500-3101	24	CY	CLASS A CONCRETE
511-1000	3020	LB	BAR REINF STEEL
520-1151	630	LF	PILING IN PLACE, STEEL H, HP 14 X 89
523-1100	2	EA	DYNAMIC PILE TESTING
534-1000	LUMP	LS	PEDESTRIAN OVERPASS BRIDGE, STA. - 142+90.31



TYPICAL BRIDGE SECTION
(NOT TO SCALE)

BRIDGE NO. 1

AECOM

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES & STRUCTURES

GENERAL NOTES
WEST FAYETTEVILLE PATH OVER SR 54

FAYETTE COUNTY 0012878

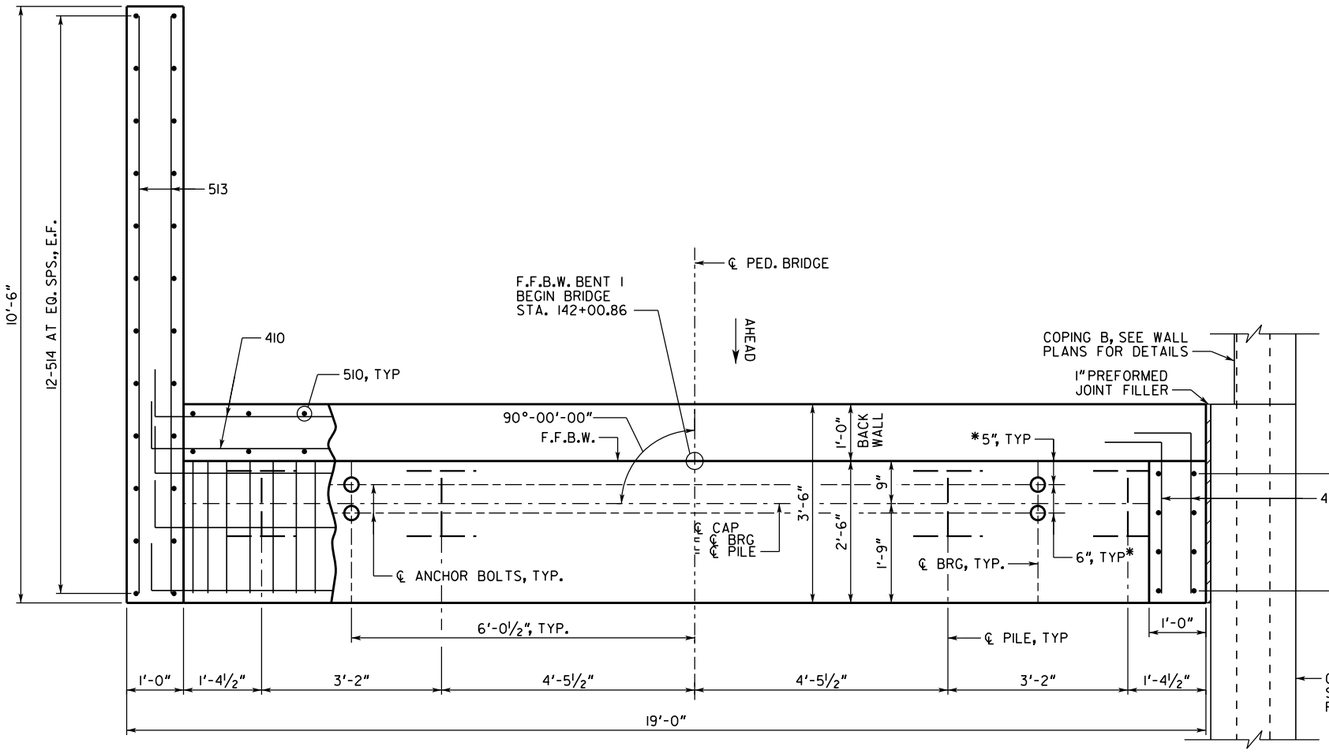
NO SCALE JULY 2018

DESIGNED KEY | CHECKED CMJ | REVIEWED SKG
DRAWN KEY/EQH | DESIGN GROUP SKG | APPROVED WMD

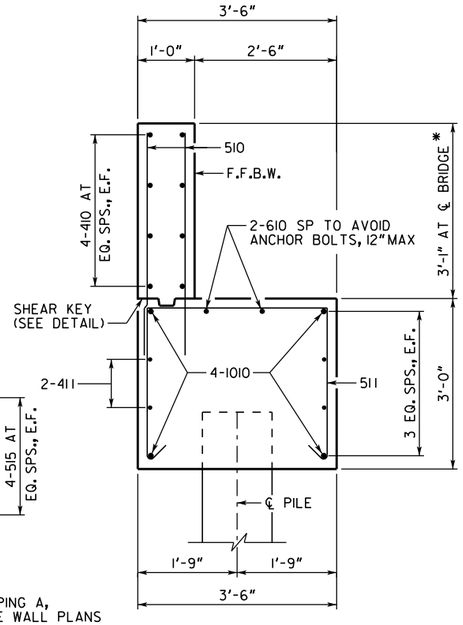
DRAWING NO. 35-0002
BRIDGE SHEET 2 OF 6

DATE | REVISIONS | BY

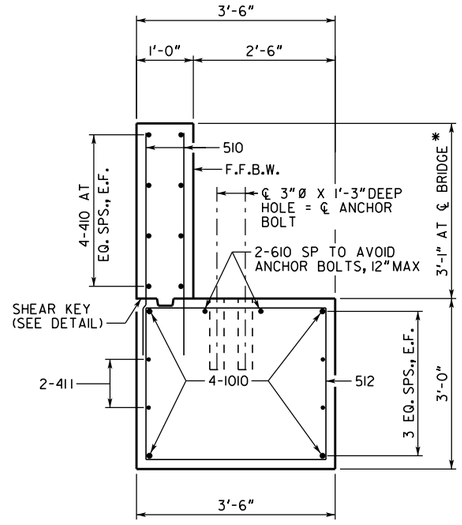
P.I. NO.
0012878



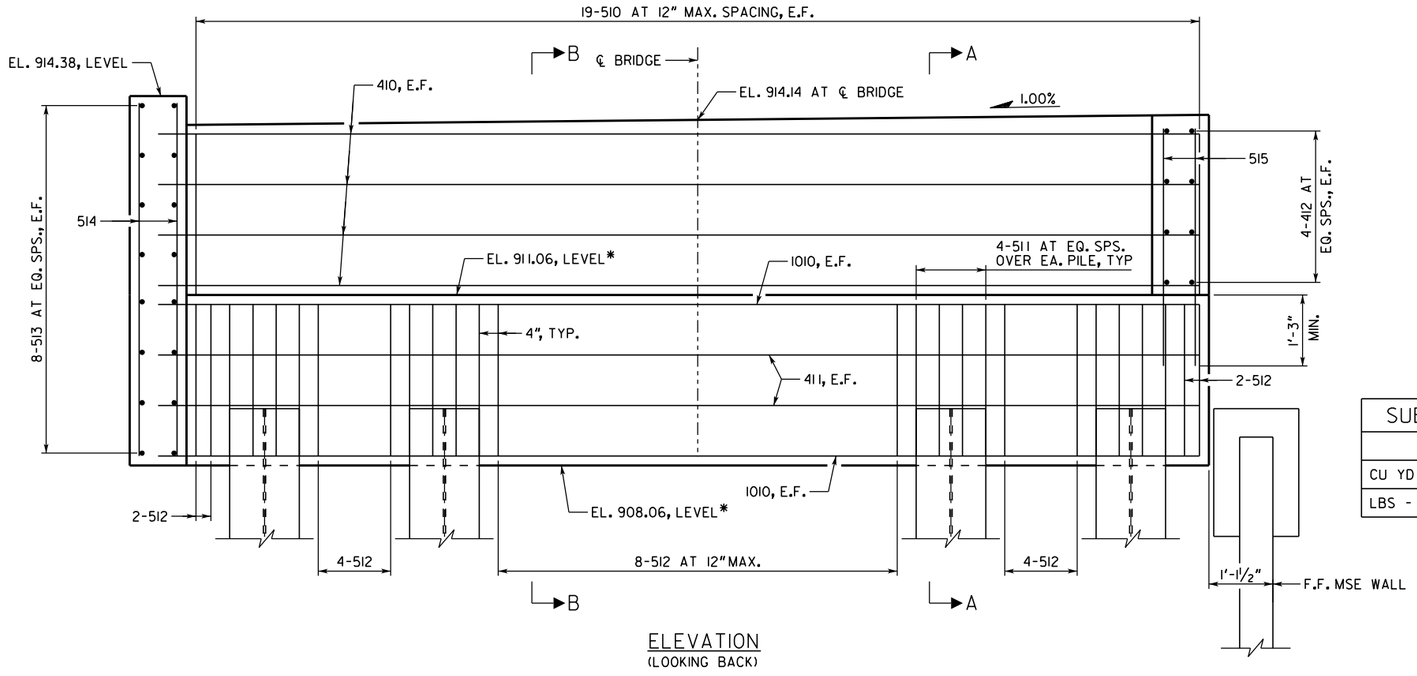
PLAN



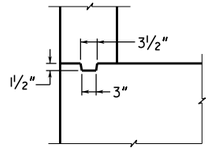
SECTION A-A



SECTION B-B



ELEVATION
(LOOKING BACK)



SHEAR KEY DETAIL
NOT TO SCALE

THE PILES ARE DESIGNED FOR A MAXIMUM FACTORED AXIAL LOAD OF 226 KIPS.

ALL PILES SHALL BE STEEL H, HP 14 X 89

PLAN DRIVING OBJECTIVE

ALL PILES SHALL BE DRIVEN TO A DRIVING RESISTANCE OF 385 KIPS AFTER A MINIMUM TIP ELEVATION OF 843.00 IS ACHIEVED.

SUBSTRUCTURE QUANTITIES	
ITEM	BENT 1
CU YD - CLASS A CONCRETE	12
LBS - BAR REINFORCEMENT STEEL	1,505

NOTES:

1. MAINTAIN 2" CLEARANCE ON ALL REINFORCEMENT UNLESS OTHERWISE NOTED.
2. POUR WINGWALL MONOLITHICALLY WITH CAP.
3. SEE GA. STD. 9037 FOR DRAINAGE DETAILS AT END BENTS.
4. * TO BE ADJUSTED AS NEEDED TO MATCH REQUIREMENTS OF THE PREFABRICATED BRIDGE.
5. VERIFY FINAL BRIDGE SEAT, ANCHOR BOLT LOCATIONS, CAP ELEVATIONS AND DIMENSIONS SHOWN WITH PREFABRICATED BRIDGE SUPPLIER PRIOR TO CASTING CAP.

BRIDGE NO. 1

AECOM

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES & STRUCTURES

END BENT 1
WEST FAYETTEVILLE PATH OVER SR 54

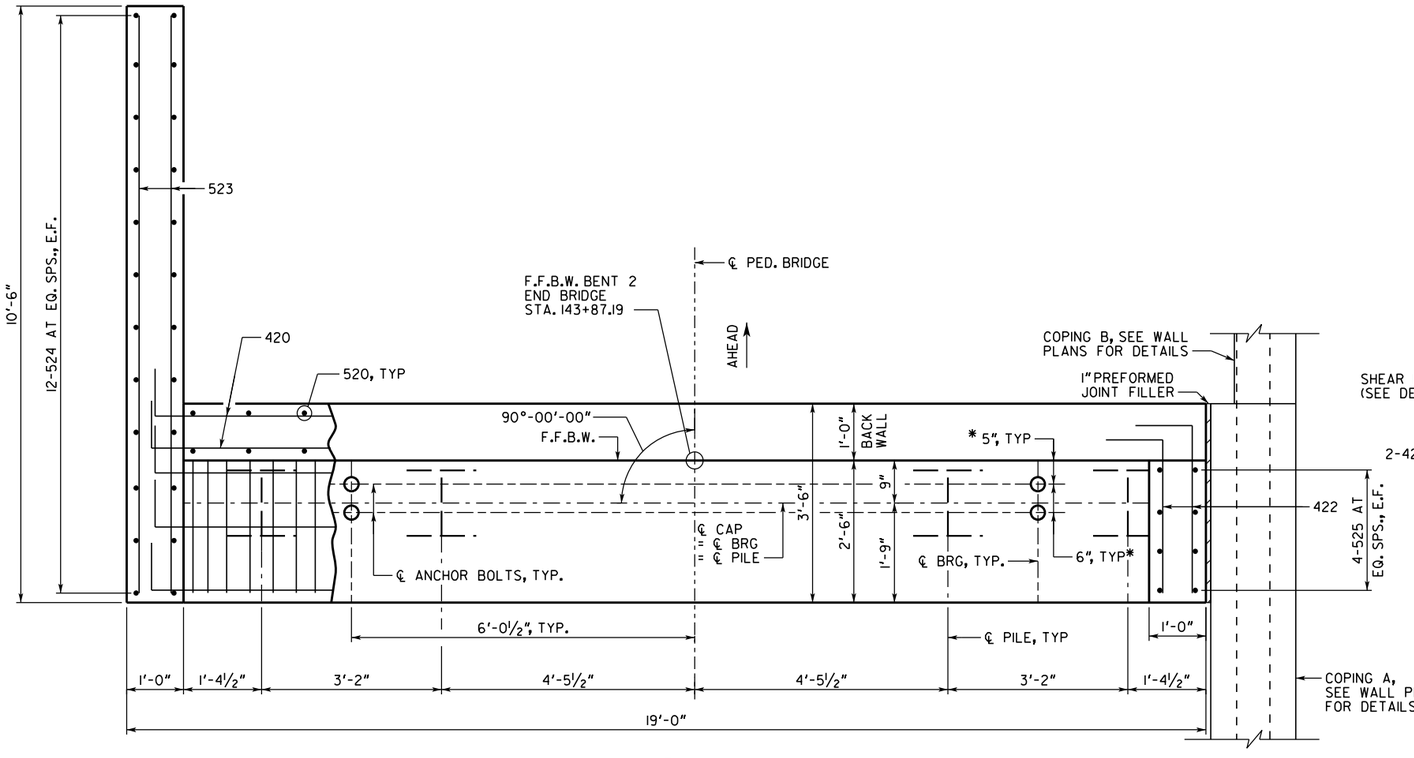
FAYETTE COUNTY 0012878

SCALE: ¾" = 1'-0", (UNLESS NOTED OTHERWISE) JULY 2018

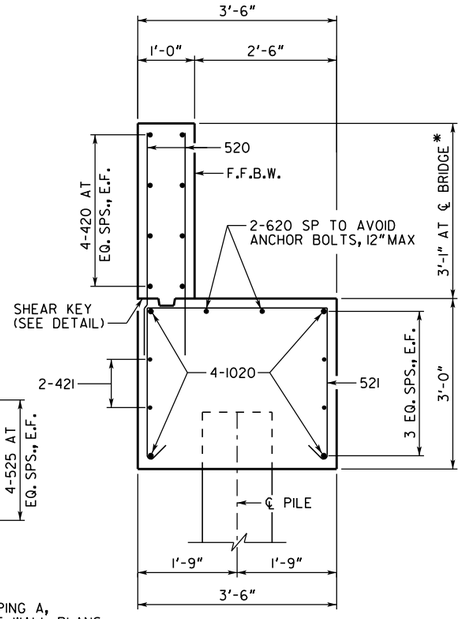
DESIGNED KEY | CHECKED CMJ | REVIEWED SKG
DRAWN KEY/EQH | DESIGN GROUP SKG | APPROVED WMD

DRAWING NO. 35-0003
BRIDGE SHEET 3 OF 6

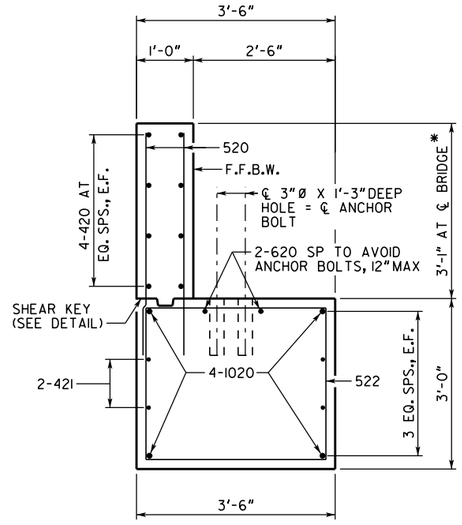
REVISIONS | DATE | BY



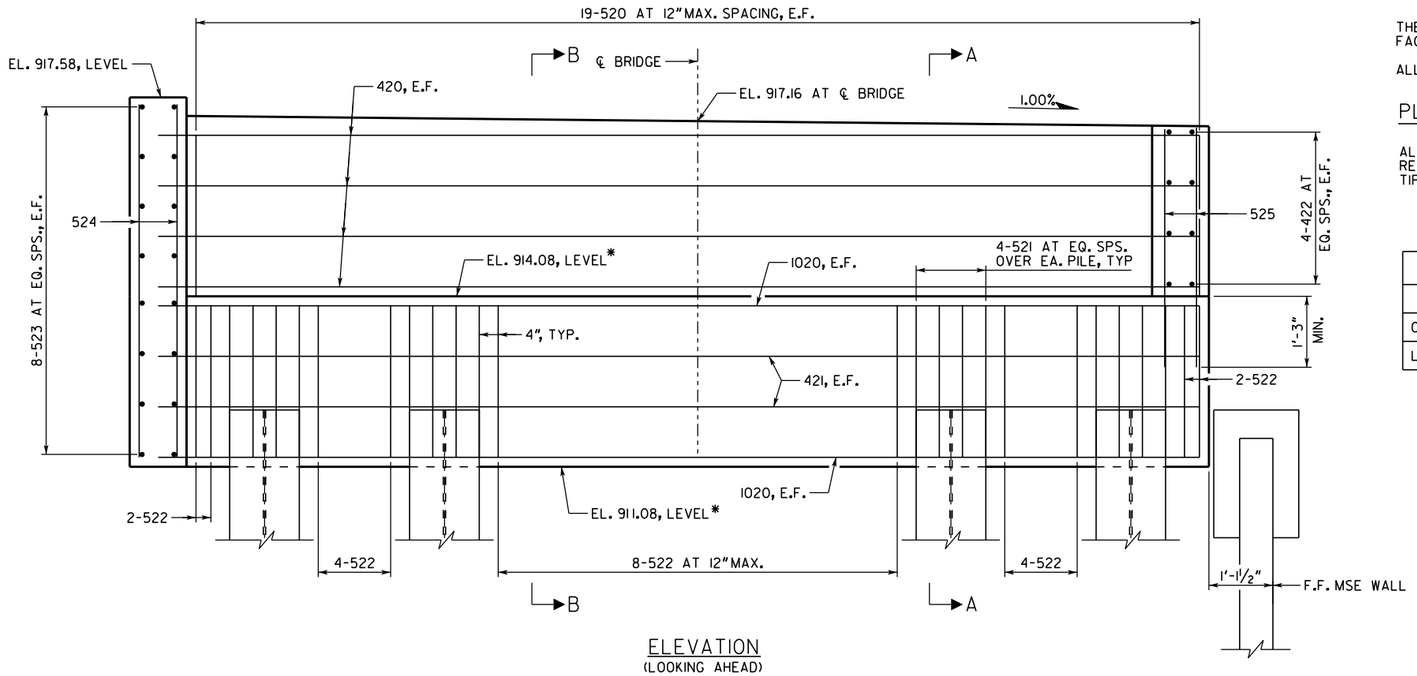
PLAN



SECTION A-A



SECTION B-B



ELEVATION
(LOOKING AHEAD)

THE PILES ARE DESIGNED FOR A MAXIMUM FACTORED AXIAL LOAD OF 226 KIPS.

ALL PILES SHALL BE STEEL H, HP 14 X 89

PLAN DRIVING OBJECTIVE

ALL PILES SHALL BE DRIVEN TO A DRIVING RESISTANCE OF 385 KIPS AFTER A MINIMUM TIP ELEVATION OF 855.00 IS ACHIEVED.

SUBSTRUCTURE QUANTITIES	
ITEM	BENT 2
CU YD - CLASS A CONCRETE	12
LBS - BAR REINFORCEMENT STEEL	1,515

NOTES:

1. MAINTAIN 2" CLEARANCE ON ALL REINFORCEMENT UNLESS OTHERWISE NOTED.
2. POUR WINGWALL MONOLITHICALLY WITH CAP.
3. SEE GA. STD. 9037 FOR DRAINAGE DETAILS AT END BENTS.
4. * TO BE ADJUSTED AS NEEDED TO MATCH REQUIREMENTS OF THE PREFABRICATED BRIDGE.
5. SEE SHEET 35-0003 FOR SHEAR KEY DETAIL.
6. VERIFY FINAL BRIDGE SEAT, ANCHOR BOLT LOCATIONS, CAP ELEVATIONS AND DIMENSIONS SHOWN WITH PREFABRICATED BRIDGE SUPPLIER PRIOR TO CASTING CAP.

P.I. NO. 0012878

BRIDGE NO. 1

AECOM

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES & STRUCTURES

END BENT 2
WEST FAYETTEVILLE PATH OVER SR 54

FAYETTE COUNTY 0012878

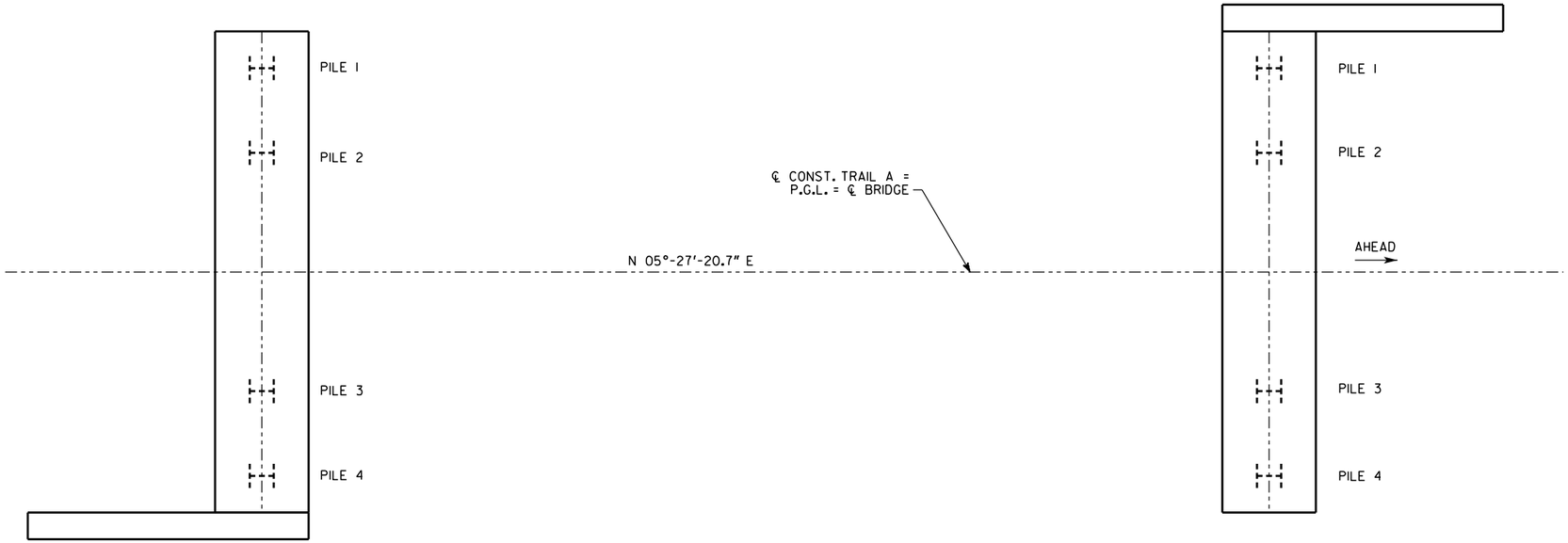
SCALE: ¾" = 1'-0", (UNLESS NOTED OTHERWISE) JULY 2018

DESIGNED KEY | CHECKED CMJ | REVIEWED SKG
DRAWN KEY/EQH | DESIGN GROUP SKG | APPROVED WMD

REVISIONS | DATE | BY

DRAWING NO. 35-0004
BRIDGE SHEET 4 OF 6

BENT 1 FOOTING DETAIL



BENT 2 FOOTING DETAIL

BENT 1	
BOTTOM OF FOOTING EL.	
PILE LOCATION	PILE TIP ELEVATION
PILE 1	
PILE 2	
PILE 3	
PILE 4	

BENT 2	
BOTTOM OF FOOTING EL.	
PILE LOCATION	PILE TIP ELEVATION
PILE 1	
PILE 2	
PILE 3	
PILE 4	

THIS SHEET IS TO BE FILLED IN BY THE PROJECT ENGINEER AND FORWARDED TO THE BRIDGE OFFICE AFTER INSTALLATION OF ALL PILES AND FOOTINGS FOR POSTING TO THE PLANS AS A PERMANENT RECORD OF THE BRIDGE CONSTRUCTION.

PROJECT ENGINEER _____ DATE _____

( ) _____

(AREA CODE) TELEPHONE NUMBER

BRIDGE NO. 1

AECOM

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES & STRUCTURES

AS BUILT FOUNDATION
WEST FAYETTEVILLE TRAIL OVER SR 54

FAYETTE COUNTY 0012878

NO SCALE JULY 2018

DESIGNED KEY CHECKED CMJ REVIEWED SKG
DRAWN KEY/EQH DESIGN GROUP SKG APPROVED WMD

REVISIONS | DATE | BY

DRAWING NO. 35-0005

BRIDGE SHEET 5 OF 6

LOCATION	NO. OF LOC.	MARK	LENGTH FT.	LENGTH IN.	NO. BARS REQ'D.	TYPE	A	G	B FT.	B IN.	C FT.	C IN.	D FT.	D IN.	E FT.	E IN.	F FT.	F IN.	H FT.	H IN.	J FT.	J IN.	K FT.	K IN.	N	θ
END BENT 1	1																									
		410	19-	0	8	9	3		18-	4																
		411	19-	0	4	9	3		18-	4																
		412	3-	6	8	9	3		2-	10																
		510	3-	11	38	1																				
		511	9-	5	16	32	5	5	3-	2	2-	8	2-	8												
		512	12-	8	20	25	4	4	3-	2	2-	8														
		513	10-	2	16	1																				
		514	5-	11	24	1																				
		515	4-	2	8	1																				
		610	19-	4	2	9	3		18-	4																
		1010	20-	2	4	9	3		18-	4																
END BENT 2	1																									
		420	19-	0	8	9	3		18-	4																
		421	19-	0	4	9	3		18-	4																
		422	3-	6	8	9	3		2-	10																
		520	3-	11	38	1																				
		521	9-	5	16	32	5	5	3-	2	2-	8	2-	8												
		522	12-	8	20	25	4	4	3-	2	2-	8														
		523	10-	2	16	1																				
		524	6-	2	24	1																				
		525	4-	2	8	1																				
		620	19-	4	2	9	3		18-	4																
		1020	20-	2	4	9	3		18-	4																

GDOT

P.I. NO. 0012878

BRIDGE NO. 1

AECOM

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES & STRUCTURES

REINFORCING SCHEDULE
WEST FAYETTEVILLE PATH OVER SR 54

FAYETTE COUNTY 0012878

NO SCALE JULY 2018

DESIGNED KEY | CHECKED CMJ | REVIEWED SKG
DRAWN KEY/EQH | DESIGN GROUP SKG | APPROVED WMD

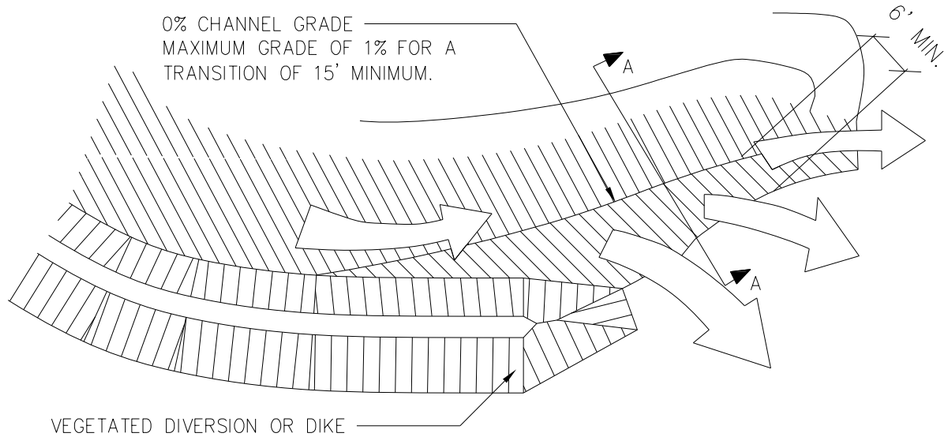
DRAWING NO. 35-0006

BRIDGE SHEET 6 OF 6

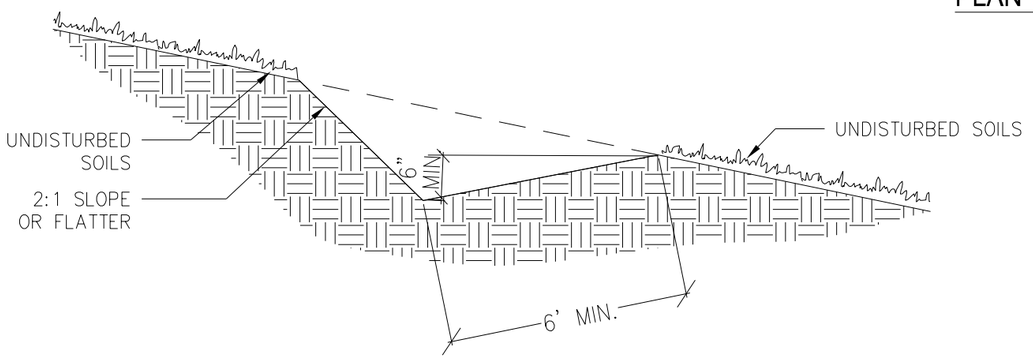
REVISIONS | DATE | BY

LEVEL SPREADER

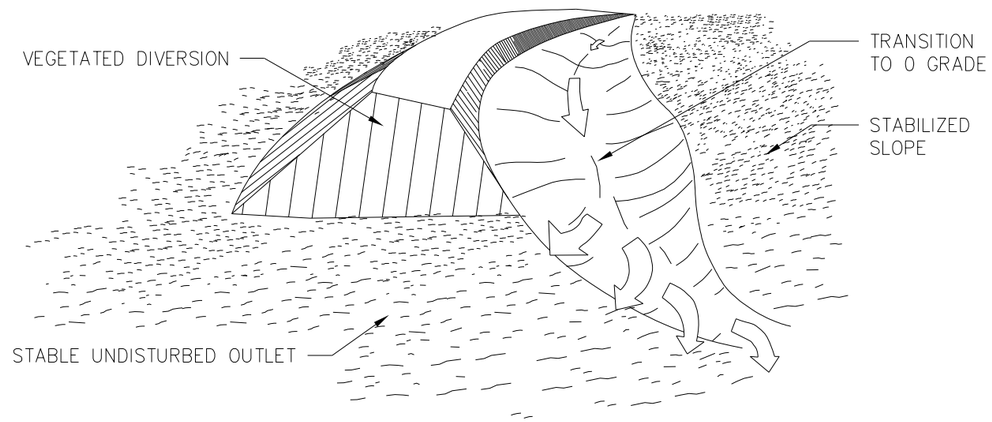
If Post Construction stormwater BMP cannot be built within the tolerances allowed, the Construction Project Manager shall notify the Office of Program Delivery Project Manager and Area Engineer. Modifications must be approved by the GDOT Office of Design Policy and Support prior to the installation



PLAN (N.T.S.)



SECTION A - A (N.T.S.)



ISOMETRIC VIEW (N.T.S.)

GSWCC 2010 STANDARD DETAIL DRAWING FOR LEVEL SPREADER LOCATED AT APRROX. STA 100+17 RT

GEORGIA DEPARTMENT OF TRANSPORTATION

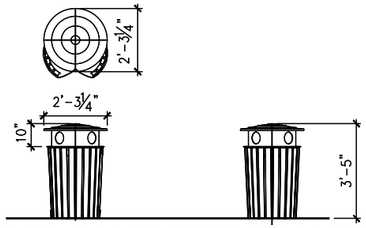
AECOM

REVISION DATES

SPECIAL CONSTRUCTION DETAIL

SR 54 MULTI-USE TRAIL & BRIDGE

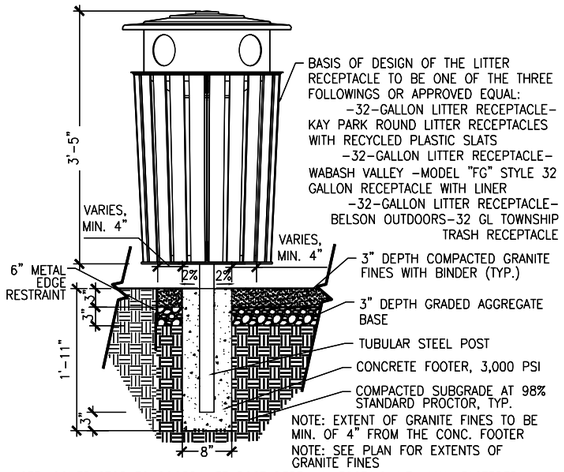
CHECKED:		DATE:	DRAWING No.
BACKCHECKED:		DATE:	38-0001
CORRECTED:		DATE:	
VERIFIED:		DATE:	



NOTE: BASIS OF DESIGN OF THE LITTER RECEPTACLE TO BE ONE OF THE THREE FOLLOWINGS OR APPROVED EQUAL:
-32-GALLON LITTER RECEPTACLE- KAY PARK ROUND LITTER RECEPTACLES WITH RECYCLED PLASTIC SLATS
-32-GALLON LITTER RECEPTACLE- WABASH VALLEY -MODEL "FG" STYLE 32 GALLON RECEPTACLE WITH LINER
-32-GALLON LITTER RECEPTACLE- BELSON OUTDOORS-32 GL TOWNSHIP TRASH RECEPTACLE
-CONTRACTOR TO PROVIDE 4' X3' MOCKUP OF KIOSK, FOR REVIEW AND APPROVAL BY THE COUNTY/LANDSCAPE ARCHITECT PRIOR TO PERMANENT CONSTRUCTION.

NOTE: SEE MANUFACTURER SPECIFICATION FOR INSTALLATION

1 38-0002 LITTER RECEPTACLE ON GRANITE FINE(M-10)
SCALE: 3/8"=1'-0"

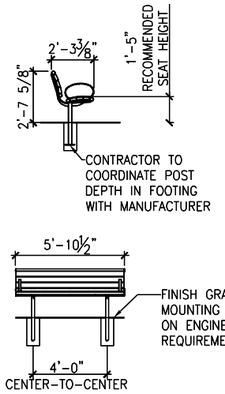


BASIS OF DESIGN OF THE LITTER RECEPTACLE TO BE ONE OF THE THREE FOLLOWINGS OR APPROVED EQUAL:
-32-GALLON LITTER RECEPTACLE- KAY PARK ROUND LITTER RECEPTACLES WITH RECYCLED PLASTIC SLATS
-32-GALLON LITTER RECEPTACLE- WABASH VALLEY -MODEL "FG" STYLE 32 GALLON RECEPTACLE WITH LINER
-32-GALLON LITTER RECEPTACLE- BELSON OUTDOORS-32 GL TOWNSHIP TRASH RECEPTACLE

3" DEPTH COMPACTED GRANITE FINES WITH BINDER (TYP.)
3" DEPTH GRADED AGGREGATE BASE
TUBULAR STEEL POST
CONCRETE FOOTER, 3,000 PSI
COMPACTED SUBGRADE AT 98% STANDARD PROCTOR, TYP.
NOTE: EXTENT OF GRANITE FINES TO BE MIN. OF 4" FROM THE CONC. FOOTER
NOTE: SEE PLAN FOR EXTENTS OF GRANITE FINES

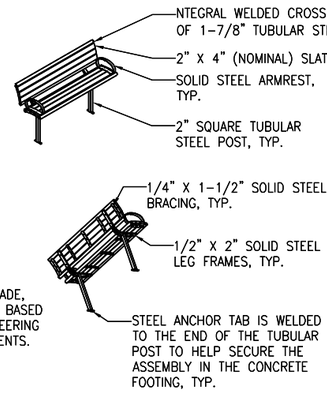
NOTE: CONTRACTOR TO COORDINATE POST DEPTH IN FOOTING WITH MANUFACTERER

2 38-0002 LITTER RECEPTACLE ON GRANITE FINE(M-10)
SCALE: 1"=1'-0"



CONTRACTOR TO COORDINATE POST DEPTH IN FOOTING WITH MANUFACTURER

FINISH GRADE, MOUNTING BASED ON ENGINEERING REQUIREMENTS.



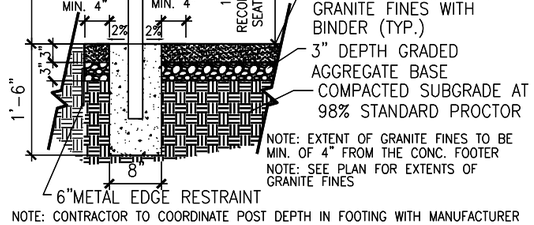
NTEGRAL WELDED CROSS-MEMBERS OF 1-7/8" TUBULAR STEEL, TYP.
2" X 4" (NOMINAL) SLATS, TYP.
SOLID STEEL ARMREST, TYP.
2" SQUARE TUBULAR STEEL POST, TYP.
1/4" X 1-1/2" SOLID STEEL BRACING, TYP.
1/2" X 2" SOLID STEEL LEG FRAMES, TYP.
STEEL ANCHOR TAB IS WELDED TO THE END OF THE TUBULAR POST TO HELP SECURE THE ASSEMBLY IN THE CONCRETE FOOTING, TYP.

NOTES:
-BASIS OF DESIGN OF THE 6' BENCH TO BE ONE OF THE THREE FOLLOWINGS OR APPROVED EQUAL:
-THE BENCH FACTORY-6' CHAMPION BENCH
-THOMAS STEELE-6' FAIRWAY BENCH FWB-6
-VICTOR STANLEY-6' BENCH CM-50

-SEE MANUFACTURER SPECIFICATIONS FOR INSTALLATION, POLIGAN

- CONTRACTOR TO PROVIDE 6'X3' MOCKUP FOR REVIEW AND APPROVAL BY THE COUNTY/LANDSCAPE ARCHITECT PRIOR TO PERMANENT CONSTRUCTION.

3 38-0002 6' BENCH ON GRANITE FINE (M-10)
SCALE: 1/4"=1'-0"

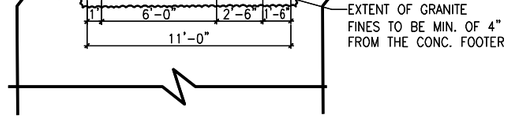


BASIS OF DESIGN OF THE 6' BENCH TO BE ONE OF THE THREE FOLLOWINGS OR APPROVED EQUAL:
-THE BENCHFACTORY-6' CHAMPION BENCH
-THOMAS STEELE-6' FAIRWAY BENCH FWB-6
-VICTOR STANLEY-6' BENCH CM-50

3" DEPTH COMPACTED GRANITE FINES WITH BINDER (TYP.)
3" DEPTH GRADED AGGREGATE BASE
COMPACTED SUBGRADE AT 98% STANDARD PROCTOR
NOTE: EXTENT OF GRANITE FINES TO BE MIN. OF 4" FROM THE CONC. FOOTER
NOTE: SEE PLAN FOR EXTENTS OF GRANITE FINES
6"METAL EDGE RESTRAINT

NOTE: CONTRACTOR TO COORDINATE POST DEPTH IN FOOTING WITH MANUFACTURER

4 38-0002 6' BENCH ON GRANITE FINE (M-10)
SCALE: 1"=1'-0"



PROPOSED 12' WIDE RECREATIONAL PATH, SEE 13 SERIES PLAN
PROPOSED 2' SHOULDER
LITTER RECEPTACLE
GRADED GRANITE TO MATCH TRAIL'S FINISH GRADE
EXTENT OF GRANITE FINES TO BE MIN. OF 4" FROM THE CONC. FOOTER

NOTE: SEE BENCH DETAIL AND LITTER RECEPTACLE DETAIL FOR DIMENSIONS

NOTE: CONCRETE EXPANSION JOINTS TO BE NO MORE THAN 30' O.C.

5 38-0002 BENCH & LITTER RECEPTACLE PLAN
SCALE: 1/4"=1'-0"

NOTES:
DIMENSIONS SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY ACTUAL DIMENSIONS OF ENCLOSURE WITH MANUFACTURER.

* COLOR FRAME TO BE BLACK POWDER COATED. ALL FASTENERS TO BE HOT DIPPED GALVANIZED.
* BENCHES' FOOTINGS WILL BE PAID UNDER PAY ITEM NUMBER 754-5000 AND LITTER RECEPTACLES' FOOTINGS WILL BE PAID UNDER PAY ITEM NUMBER 754-4000.
* 6" METAL EDGE RESTRAINT WILL BE PAID UNDER PAY ITEM NUMBER 643-8300 ORNAMENTAL FENCE (METAL EDGE RESTRAINT).
* BENCHES AND TRASH RECEPTACLES TO HAVE PERMANENT MOUNTING TO BE ANCHORED INTO CONCRETE. SEE EACH MANUFACTURERS' SPECIFICATIONS FOR MOUNTING PROCEDURES.

*CONTRACTOR TO PROVIDE CUT SHEETS OF ALL SITE FURNITURE ELEMENTS E.G. BENCHES, KIOSKS, AND TRASH RECEPTACLES FOR THE COUNTY/CITY/LANDSCAPE ARCHITECT TO APPROVE PRIOR TO ORDERING PRODUCTS.

*CONTRACTOR TO FLAG LOCATIONS OF 6' BENCHES, LITTER RECEPTACLES, AND KIOSKS FOR REVIEW AND APPROVAL BY THE COUNTY/CITY/LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

GEORGIA DEPARTMENT OF TRANSPORTATION

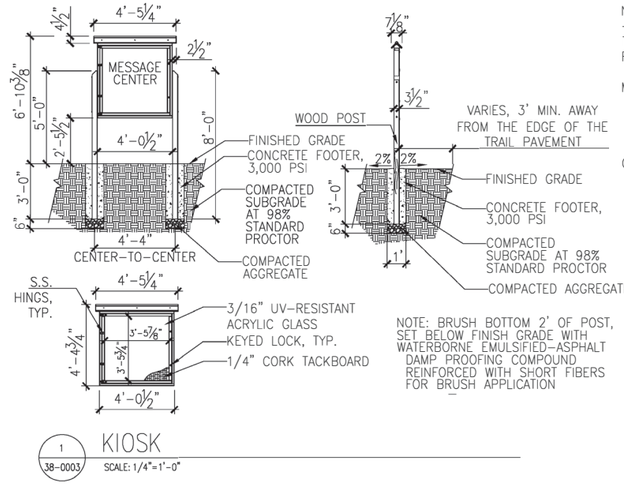
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REVISION DATES

SPECIAL CONSTRUCTION DETAIL

BENCH AND LITTER RECEPTACLE
SR 54 MULTI-USE TRAIL & BRIDGE

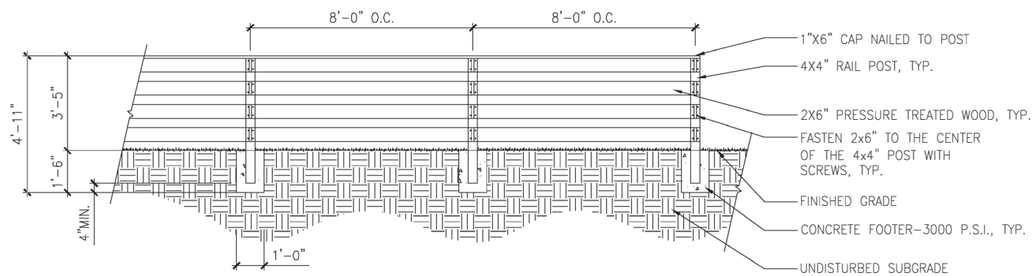
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VERIFIED:		DATE:		



NOTES:
- BASIS OF DESIGN OF THE KIOSK TO BE ONE OF THE THREE FOLLOWINGS OR APPROVED EQUAL:
  - TIMBERHOMES VERMONT-MINI KIOSK
  - TREETOP-X-LARGE MESSAGE BOARD-SKU# TMC-64
  - KAYPARK-LARGE MESSAGE CENTER RECYCLED PLASTIC
  - ONE SIDE WITH POSTS, CEDAR COLOR
- SEE MANUFACTURER SPECIFICATIONS FOR INSTALLATION
- CONTRACTOR TO PROVIDE 5' (W) X7' (H) MOCKUP OF KIOSK, FOR REVIEW AND APPROVAL BY THE COUNTY/LANDSCAPE ARCHITECT PRIOR TO PERMANENT CONSTRUCTION.

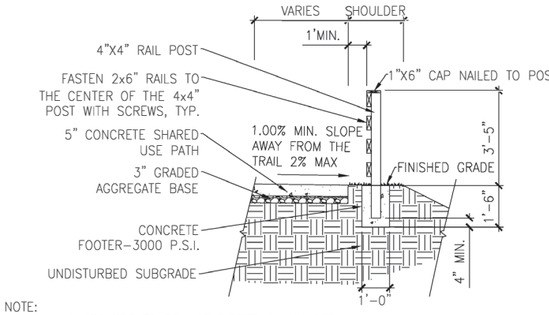
1 38-0003 KIOSK
SCALE: 1/4"=1'-0"

KIOSK NOTES:
- UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED TO ONLY SUPPORT WHAT IS SHOWN ON THESE DRAWINGS. VENDORS MUST BE CONTACTED IF ANYTHING ELSE IS TO BE ATTACHED TO THIS STRUCTURE (WALLS, COLUMN WRAPS, RAILINGS, ETC.) SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.
- ALL WELDING IS PERFORMED BY AMERICAN WELDING SOCIETY CERTIFIED WELDERS AND CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.3 AS REQUIRED.
- PARTS SHOWN MAY BE UPGRADED DUE TO STANDARDIZED FABRICATION. REFER TO THE SHIPPING BILL OF MATERIALS FOR POSSIBLE SUBSTITUTIONS.
- FOR PROPER FIELD INSTALLATION OF THE KIOSK, IT IS RECOMMENDED THAT THE PRIMARY FRAME INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM FIVE (5) YEARS DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.
- FOR PROPER FIELD INSTALLATION OF THE KIOSK, IT IS RECOMMENDED THAT ELECTRIC WIRING, IF REQUIRED, BE RUN THROUGH THE STRUCTURAL MEMBERS BEFORE THE KIOSK IS ERECTED.
- CHECK LOCAL CODES FOR FROST DEPTH.
- KIOSK'S MATERIAL TO BE RECYCLED PLASTIC, ACRYLIC, 1/4"CORK OR NATURAL WOOD.
- THREE KIOSKS AND THEIR FOOTINGS WILL BE PAID UNDER 999-0100 ARCHITECTURAL CONSTRUCTION (LS).



NOTE:
- ALL FASTENERS TO BE HOT DIPPED GALVANIZED
- ALL WOOD MEMBERS TO BE PRESSURE TREATED WOOD
- WOODEN HANDRAIL FOOTINGS TO MEET STANDARD SPECIFICATION ON ASTM F537 FOR WOODEN HANDRAIL FOOTINGS

2 38-0003 WOOD FENCE ELEVATION
SCALE: 3/8"=1'-0"



NOTE:
- ALL FASTENERS TO BE HOT DIPPED GALVANIZED
- ALL WOOD MEMBERS TO BE PRESSURE TREATED WOOD
- WOODEN HANDRAIL FOOTINGS TO MEET STANDARD SPECIFICATION ON ASTM F537 FOR WOODEN HANDRAIL FOOTINGS

3 38-0003 WOOD FENCE SECTION
SCALE: 3/8"=1'-0"

GENERAL NOTES:
DIMENSIONS SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY ACTUAL DIMENSIONS OF ENCLOSURE WITH MANUFACTURER.
- COLOR FRAME TO BE BLACK POWDER COATED. ALL FASTENERS TO BE HOT DIPPED GALVANIZED.
- FOOTINGS WILL BE PAID UNDER KIOSK'S PAY ITEM NUMBER 999-0100 ARCHITECTURE CONSTRUCTION.
- SEE EACH MANUFACTURERS' SPECIFICATIONS FOR INSTALLATION PROCEDURES.
- CONTRACTOR TO PROVIDE CUT SHEETS OF ALL SITE FURNITURE ELEMENTS E.G. BENCHES, KIOSKS, AND TRASH RECEPTACLES FOR THE COUNTY/CITY/LANDSCAPE ARCHITECT TO APPROVE PRIOR TO ORDERING PRODUCTS.
- CONTRACTOR TO FLAG LOCATIONS OF 6' BENCHES, LITTER RECEPTACLES, AND KIOSKS FOR REVIEW AND APPROVAL BY THE COUNTY/CITY/LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

GEORGIA DEPARTMENT OF TRANSPORTATION

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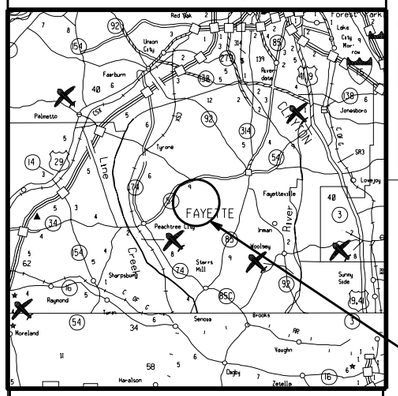
REVISION DATES

SPECIAL CONSTRUCTION DETAIL
KIOSK AND WOOD FENCE
SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
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CORRECTED:		DATE:		38-0003
VERIFIED:		DATE:		

7/31/2015 GPLN

LOCATION SKETCH



DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

I certify under penalty of law that this plan was prepared after a site visit to the location described herein by myself or my authorized agent, under my supervision.

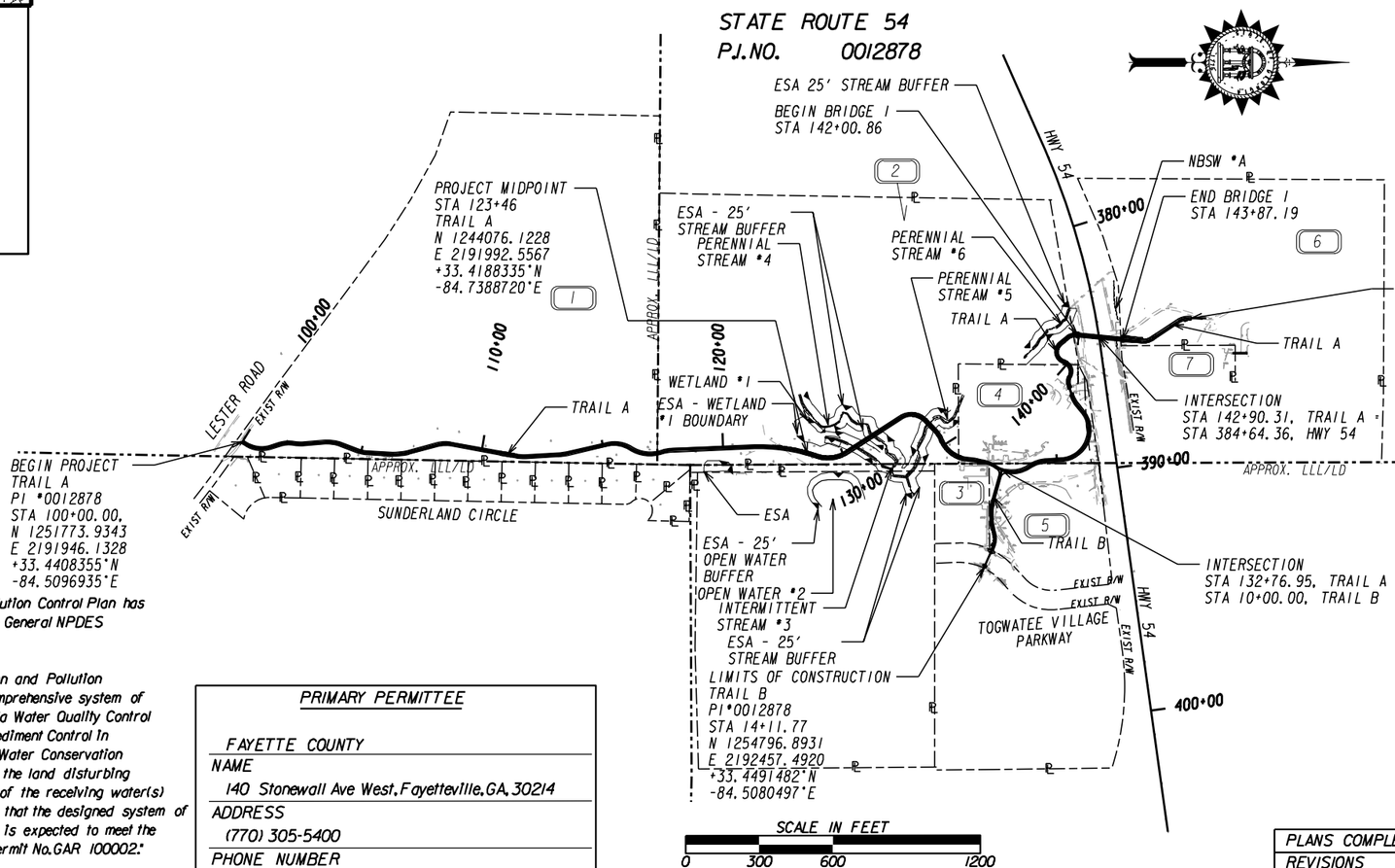
EROSION, SEDIMENT, AND POLLUTION CONTROL PLAN
WEST FAYETTEVILLE PATH & MULTI-USE BRIDGE

FEDERAL AID PROJECT

FAYETTE COUNTY
FEDERAL ROUTE N/A
STATE ROUTE 54
P.I.NO. 0012878

DESIGN DATA:	
TRAFFIC A.D.T.:	N/A
TRAFFIC A.D.T.:	N/A
TRAFFIC D.H.V.:	N/A
DIRECTIONAL DIST:	N/A
% TRUCKS:	N/A
24 HR. TRUCKS %:	N/A
SPEED DESIGN:	18 MPH

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.



PREPARED BY:
AECOM
AECOM TECHNICAL SERVICES, INC.

NOTE :
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS, DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION WITH THIS DOCUMENT, TO "STATE HIGHWAY DEPARTMENT OF GEORGIA", "STATE HIGHWAY DEPARTMENT", GEORGIA STATE HIGHWAY DEPARTMENT", "HIGHWAY DEPARTMENT", OR "DEPARTMENT" WHEN THE CONTEXT THEREOF MEANS THE STATE HIGHWAY DEPARTMENT OF GEORGIA, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF TRANSPORTATION.

GEORGIA REGISTERED No. 029885 PROFESSIONAL ENGINEER MARIO V. MACRINA
3/6/20
7825

MARIO MACRINA, P.E. DATE 3/6/2020
GSWCC LEVEL II CERTIFICATION NO. 000007825

"I certify that this Erosion, Sedimentation and Pollution Control Plan has been prepared in accordance with Part IV, of the General NPDES Permit No. GAR 100002."

"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 State Soil and Water Conservation Commission as of January 1 of the year in which the land disturbing activity was permitted, provides for the sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR 100002."

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for the monitoring of: (a) all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent streams and other water bodies, or (b) where any such specific identified perennial or intermittent stream and other water body is not proposed to be sampled, I have determined in my professional judgment, utilizing the factors required in the General NPDES Permit No. GAR 100002, that the increase in the turbidity of each specific identified sampled receiving water will be representative of the increase in the turbidity of a specific identified un-sampled receiving water."

PRIMARY PERMITTEE
FAYETTE COUNTY
NAME
140 Stonewall Ave West, Fayetteville, GA, 30214
ADDRESS
(770) 305-5400
PHONE NUMBER

24 HOUR CONTACT:
NAME
ADDRESS
PHONE NUMBER
CONTRACTOR SHALL COMPLETE THE INFORMATION IN THIS BOX

LENGTH OF PROJECT	FAYETTE COUNTY No. 113 Project No. 0012878
	MILES
NET LENGTH OF ROADWAY	0.854
NET LENGTH OF BRIDGES	0.035
NET LENGTH OF PROJECT	0.889
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.889

LOCATION AND DESIGN APPROVAL DATE: 12-07-2016

PLANS COMPLETED 3-6-2020

REVISIONS

DATE	ENTITY REQUESTING REVISION(S)	DRAWING NUMBER(S)	SIGNATURE	GSWCC LEVEL II CERT.#
- -				
- -				
- -				
- -				
- -				
- -				
- -				

DRAWING No. 50-0001

CONCOV

Georgia Soil and Water Conservation Commission

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST

INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD: Towaliga SWCD

Project Name: SR 54 MULTI-USE TRAIL & BRIDGE **Address:** SR 54 @ Togwatee Village Parkway

City/County: Fayette **Date on Plans:** March 6, 2020

Name & Email of Person Filling Out Checklist: Mario Macrina (mario.macrina@aecom.com)

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
51-0001	Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.
50-0001	Y	2 Level II certification number issued by the Commission, signature and seal of the certified design professional.
50-0001	Y	3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
50-0001	Y	4 Provide the name, address, email address, and phone number of primary permittee.
53-0001	Y	5 Note total and disturbed acreage of the project or phase under construction.
50-0001	Y	6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
50-0001	Y	7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
51-0002	Y	8 Description of the nature of construction activity.
50-0001	Y	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
53, 54 Series	Y	10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
50-0001	Y	11 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 21 of the permit.
50-0001	Y	12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 20 of the permit.*
50-0001	Y	13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on Part IV.D.6.c.(3) page 37 of permit as applicable.*
51-0004	Y	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins within 7 days after installation." in accordance with Part IV.A.5. page 26 of the permit.*
51-0003	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 variances and permits."
51-0003	Y	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
51-0002	Y	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."*
51-0002	Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit."*
51-0002	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."
51-0002	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."
51-0002	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."
51-0003	Y	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.*
51-0003	Y	23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.*
51-0002	Y	24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.*
51-0002	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
51-0002	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.*
51-0002	Y	27 Description of practices to provide cover for building materials and building products on site.*
51-0002	Y	28 Description of the practices that will be used to reduce the pollutants in storm water discharges.*

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN
51-0002	Y	29 Description and chart or timeline of the intended sequence of major activites which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activites, excavation activities, utility activites, temporary and final stabilization).
51-0004	Y	30 Provide complete requirements of inspections and record keeping by the primary permittee.*
51-0004	Y	31 Provide complete requirements of sampling frequency and reporting of sampling results.*
51-0003	Y	32 Provide complete details for retention of records as per Part IV.F. of the permit.*
51-0004	Y	33 Description of analytical methods to be used to collect and analyze the samples from each location.*
51-0004	Y	34 Appendix B rationale for NTU values at all outfall sampling points where applicable.*
51-0004	Y	35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable.*
51-0002	Y	36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into a single phase.*
54 Series	Y	37 Graphic scale and North arrow.
54 Series	Y	38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:
51-0003	Y	39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.
51-0003	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.*
54 Series	Y	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.
54 Series	Y	42 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.
53 Series	Y	43 Delineation and acreage of contributing drainage basins on the project site.
53 Series	Y	44 Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets.
53 Series	Y	45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activites are completed.
51-0004	Y	46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
51-0002	Y	47 Soil series for the project site and their delineation.
54 Series	Y	48 The limits of disturbance for each phase of construction.
51-0003	Y	49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasable, a written justification explaining this decision must be included in the plan.
54 Series	Y	50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
56 Series	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.
51-0002	Y	52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

Existing Contours	USGS 1": 2000' Topographical Sheets
Proposed Contours	1" : 400' Centerline Profile

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

Effective January 1, 2020

10/23/2015
Rev.08/01/2018 GPLN

GEORGIA DEPARTMENT OF TRANSPORTATION

AECOM

NOT TO SCALE

REVISION DATES

ESPCP GENERAL NOTES

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		51-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		

ESPCP GENERAL NOTES

The escape of sediment from the project site shall be prevented by the installation of erosion and sediment control measures and practices prior to land-disturbing activities.

Erosion and sedimentation control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective control, additional erosion and sedimentation control measures shall be implemented to control or treat the sediment source.

ESPCP ALTERATIONS

This Erosion, Sedimentation, and Pollution Control Plan (ESPCP) is provided by the Department. It addresses the staged construction of the project on the basis of common construction methods and techniques. If the Contractor elects to alter the staged construction from that shown in the plans or utilize construction techniques that render this plan ineffective, the Contractor shall revise the plans in accordance to Special Provision 161-Control of Soil Erosion and Sedimentation of the contract.

The Contractor, the Certified Design Professional, and the WECS shall carefully evaluate this plan prior to commencing land-disturbing activities. Amendments/revisions to the ESPCP which have a significant effect on BMPs with a hydraulic component requires a formal revision of the ESPCP and the signature of a GSWCC Level-II Certified Design Professional. Additional BMPs may be added per Special Provision 161-Control of Soil Erosion and Sedimentation.

CONSTRUCTION SCHEDULE AND SEQUENCE OF MAJOR ACTIVITIES

The Contractor is responsible for developing the construction schedule for the project. The construction schedule for this project shall be submitted after the project is awarded along with the NOI. A copy of the construction schedule shall be maintained at the project site.

The project budget includes sufficient funds for the payment of construction exits. The Contractor is responsible for establishing at least one (1) construction exit per the specifications of the construction exit detail included in this ESPCP to minimize or eliminate the vehicle tracking of dirt, soils, and sediments off site. To facilitate project logistics, the Contractor is also responsible for selecting the location(s) of the construction exit(s).

Initial BMP's (Phase IA) -
Prior to the start of land disturbing activities, the contractor shall install erosion control BMP's as shown on the the erosion control plans. This includes construction exits, silt fence, check dams, silt control gates, and inlet sediment traps on existing inlets. Construction exits shall be provided prior to the start of clearing and grubbing. Stripping of vegetation and other development activities shall be conducted in such a manor so as to minimize sediment loss.

Intermediate BMP's (Phase I) -
All initial BMP's will be kept in place and maintained until such time as they must be removed to facilitate continuation of construction. Inlet sediment traps shall be installed per plan upon installation of proposed storm structures. Ditch checks shall be located to new ditches as the ditches are constructed. Temporary grassing and/or mulching shall be placed in areas where disturbed ground is to be left ungraded for 7 days or more. Slope stabilization will be used in areas with slopes steeper than 2.5:1. The proposed pervious surface of the trail as shown in the plans will also be constructed during this stage of construction.

Final Stabilization (Phase 2) -
Permanent grassing shall be installed immediately upon completion of slope grading and erosion control mat installation. Maintain temporary BMPs until directed by the engineer to remove.

SITE STABLIZATION AND VEGETATION PLANTING SCHEDULE

The EPD General NPDES GAR100002 permit states that any disturbed area where construction activities have temporarily or permanently ceased shall be stabilized within 14 days of such cessation or as soon as practicable if precluded by adverse weather conditions. However in special cases, the Project Engineer may require the contractor to perform stabilization more often than 14 days.

Disturbed areas shall be stabilized with suitable material listed in the current edition of the Department's Standard Specifications (or Special Provisions) Sections 161, 163, 700, or 711 on the basis of when construction activities are expected to resume.

All temporary and permanent vegetative practices including plant species, planting dates, seeding, fertilizing, liming, and mulching rates for this project can be found in Section 700 of the current edition of the Department's Standard Specifications (or Special Provisions) and other applicable contract documents or landscaping plans.

BMP INSTALLATION AND MAINTENANCE MEASURES

See the Department's Standard Specifications (or Special Provisions) 161, 163, 165, 700, 711, and other contract documents for installation and maintenance measures.

PETROLEUM STORAGE, SPILLS AND LEAKS

These plans expressly delegate the responsibility of proper on-site hazardous material management to the Contractor. The Contractor shall at a minimum provide an action plan and keep the necessary materials on site for the capture, clean up, and disposal of any petroleum product, or other hazardous material, leaks or spills associated with the servicing, refueling or operation of any equipment utilized at the site. A copy of the action plan shall be submitted to the Project Engineer and maintained on the project site. All personnel operating or servicing equipment shall be familiar with the action plan. The Contractor shall not park, refuel, or maintain equipment within stream buffers.

If the Contractor elects to store petroleum products on site, the Contractor shall prepare an ESPCP addendum that addresses the additional BMPs needed for onsite storage and spill prevention for petroleum products. This plan shall be prepared by a Certified Design Professional as required by GAR100002 for inclusion with these plans. The Contractor's attention is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements.

WASTE DISPOSAL

Where attainable, locate waste collection areas, dumpsters, trash cans and portable toilets at least 50 feet away from streets, gutters, watercourses and storm drains. Secondary containment shall be provided around liquid waste collection areas to minimize the likelihood of contaminated discharges. The Contractor shall comply with applicable state and local waste storage and disposal regulations and obtain all necessary permits. Solid materials, including building materials, shall not be discharged to Waters of the State, unless authorized by a Section 404 Permit.

DEWATERING AND PUMPING ACTIVITIES

Any pumped discharge from an excavation or disturbed area shall be routed through an appropriately sized sediment basin, silt filter bag, or shall be treated equivalently with suitable BMP's. The contractor shall ensure the post BMP treated discharge is sheet flowing. Failure to create sheet flow will obligate the contractor to perform water quality sampling of pumped discharges. The contractor shall prepare sampling plans in accordance with the current GAR100002 NPDES permit by utilizing a Certified Design Professional. No separate payment will be made for water quality sampling of pump discharges.

NONSTORMWATER DISCHARGES

Nonstormwater discharges defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced. These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, the Manual for Erosion and Sediment Control in Georgia, Department Standards, and other contract documents. The NPDES does not authorize the discharge of soaps or solvents used in vehicle and equipment washing or the discharge of wastewater containing stucco, paint, oils, curing compounds, and other construction materials.

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 the delivery of Portland cement concrete 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 travelled way, including shoulders, for a wash-down pit. The pit shall be large enough to store all wash-down water without overtopping. 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 it shall be graded to match the elevation of the surrounding areas. 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 pit that includes the following: (1) a location away from any storm drain, stream, or river, (2) access to the vehicle being used for wash down, (3) sufficient volume for wash-down water, and (4) permission to use the area for wash down.

On sites where permission or access to excavate a wash-down pit is unavailable, the Contractor may have to wash-down into a sealable 55-gallon drum or other suitable container and then transport the container 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".

OTHER CONTROLS

If the Contractor elects to store building material, building products, construction waste, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials on the site, the Contractor shall provide an appropriate covering to minimize the exposure of those materials or products to precipitation and stormwater to minimize the discharge of pollutants. 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 the specific material or product poses little risk to stormwater contamination or is intended for outdoor use.

The Contractor shall follow this ESPCP and ensure and demonstrate compliance with all applicable State and/or local regulations for waste disposal, sanitary sewer and septic systems, and petroleum storage.

The Contractor shall control dust from the site in accordance with Section 161 of the current edition of the Department's Standard Specifications.

POSTCONSTRUCTION BMPs FOR STORMWATER MANAGEMENT

All permanent postconstruction BMP's are shown in the construction plans and in the ESPCP plan. The postconstruction BMP's for this project consist of permanent slope drains and/or flumes, riprap at pipe outlets for velocity dissipation and outlet stabilization, vegetated swales/ditches where practical, and riprap where necessary. The postconstruction BMP's will provide permanent stabilization of the site and prevent abnormal transportation of sediment and pollutants into receiving waters.

SOIL SERIES INFORMATION

The following is a summary of the soils that are expected to be found on the project site:

Map Unit Symbol	Map Unit Name	Rating	Component Name (%)	Acre in AOI	Percent in AOI
AmB	Appling sandy loam, 2 to 6 percent slopes	Not Rated	Urban Land (65%)	6.4	1.3%
AsC	Aslar sandy loam, 2 to 10 percent slopes	Not Rated	Urban Land (65%)	86.4	17.2%
AtE	Ashlar sandy loam, very rocky, 10 to 25 percent slopes	Not Rated	Urban Land (65%)	0.4	0.1%
CA	Cartecay loam, 0 to 2 percent slopes, frequently flooded	Not Rated	Urban Land (65%)	0.3	0.1%
CeB	Cecil sandy loam, 2 to 6 percent slopes	Not Rated	Urban Land (65%)	118.1	23.5%
CeC	Cecil sandy loam, 6 to 10 percent slopes	Not Rated	Urban Land (65%)	131.1	26.1%
CfC2	Cecil sandy clay loam, 6 to 10 percent slopes, eroded	Not Rated	Urban Land (65%)	26.6	5.3%
PaC	Pacolet sandy loam, 6 to 10 percent slopes	Not Rated	Urban Land (65%)	3.0	0.6%
PaE	Pacolet sandy loam, 10 to 25 percent slopes	Not Rated	Urban Land (65%)	105.6	21.0%
To	Toccoa sandy loam, 0 to 2 percent slopes, occasionally flooded	Not Rated	Urban Land (65%)	8.9	1.8%
W	Water	Not Rated	Urban Land (65%)	6.3	1.3%
WH	Wehadkee soils, 0 to 2 percent slopes, frequently flooded	Not Rated	Urban Land (65%)	8.8	1.8%
Totals for Area of Interest				501.9	100.0%

Due to the size and scope of this project and the nature of soil series maps, it is not reasonably practical to delineate the precise locations of the above listed soils on the construction plans. The NRCS soil survey and soil series maps for the project site are also available online at http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm.

SILT FENCE INSTALLATION WITH J HOOKS AND SPURS

Silt fence should never be run continuously. 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 is called using J hooks (or spurs). The J hooks shall be utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J hooks shall be spaced in accordance with GDOT Construction Detail D-24C. The maximum J-hook spacing is reached when the top of the J hook is at the same elevation as the bottom of the immediately upgradient J hook. J Hooks shall be paid for as silt fence items per linear foot. All costs and other incidental items are included in cost of installing and maintaining the silt fence.

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REVISION DATES

ESPCP GENERAL NOTES

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		51-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

10/23/2015
Rev.08/07/2018 GPLN

SEDIMENT STORAGE

The site has a total disturbed area of 6.79 acres. *The following table summarizes the required and available sediment storage for every outfall on this project. The Contractor shall provide and maintain the storage volumes for the BMP's specified in this table.*

Location	Total Drainage Area (acres)	Disturbed Area (acres)	Required Sediment Storage Volume (yd^3)	Total Storage Volume Provided (yd^3)	Check Dam (# yd^3/each)		Inlet Sediment Traps (# yd^3/each)		Silt Fence (# yd^3/ft)		Silt Gates	
					# of Devices	Total Volume (yd^3)	# of Devices	Total Volume (yd^3)	Length of Fence (ft)	Total Volume (yd^3)	# of Devices	Total Volume (yd^3)
Outfall-1A	0.78	0.59	52.26	29.10	13	19.5	0	0	32	9.6	0	0
Outfall-1	0.75	0.61	50.25	74.40	0	0	0	0	218	65.4	1	9
Outfall-2	5.03	1.78	337.01	463.80	32	28.8	0	0	1420	426	1	9
Outfall-3	0.42	0.27	28.14	30.90	2	8.4	0	0	75	22.5	0	0
Outfall-4	0.31	0.07	20.77	32.40	1	0.9	0	0	105	31.5	0	0
Outfall-5	0.95	0.58	63.65	80.70	17	10.7	2	2.2	196	58.8	1	9
Outfall-6	1.12	0.46	75.04	93.00	5	4.5	0	0	265	79.5	1	9
Outfall-7	0.59	0.31	39.53	22.80	1	0.9	0	0	43	12.9	1	9
Outfall-8	0.12	0.09	8.04	3.20	4	3.2	0	0	0	0	0	0
Outfall-9	0.23	0.18	15.41	65.00	0	0	1	1.1	213	63.9	0	0
TOTAL SHEET FLOW	1.97	1.85	131.99	3210.90	3	15	0	0	10653	3195.9	0	0

To prevent runoff from bypassing inlet sediment traps, a temporary sump shall be installed around all inlet sediment traps that are not located in a low point or an excavated sump. Construct temporary sumps in accordance with Construction Detail D-24C. Temporary sumps shall be installed in a manner that ensures stormwater does not bypass the inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.

Given that this is a proposed trail project with a relatively small footprint within the drainage area, Outfalls-1A, 7, and 8 are not able to achelve the required sediment storage. In addition, these outfalls have high proportions of disturbed area to drainage area and there is no practical way of bypassing the off site runoff. The use of temporary sediment basins for this project is not practical and would significantly increase the disturbed area thus creating more detriment than benefit in this urban environment. In order to protect the outfalls, slope stabilization matting is used on all proposed slopes steeper than 3:1 and turf reinforcing matting has been added as a lining to each proposed ditch where the velocities dictate. The quantity of inlet sediment traps is restricted to the number of drop inlets and there are few existing or proposed ditches and/or channels along the project, so the number that these BMP's can accomodate for sediment storage is limited. Furthermore, the topography in the project area is quite rolling and creates steep grades along the longitudinal silt fence which limits its use for sediment storage. The installed BMPs and routine mulching should be sufficient to control erosion & prevent sediment from leaving the project site.

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPS:

Fabric check dams will be used on this project as an alternative BMP. The use of the alternative BMP for stone check dams has been reviewed by the Georgia EPD and has been determined by the Georgia EPD to be allowable only for this ESPCP. This review was site specific and was based on documentation submitted and certified by the Level-II Certified Design Professional and was required by the Georgia EPD and GSWCC.

DISCHARGES INTO OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT

The following is a summary of project outfalls within 1 mile and within the watershed of an identified impaired stream segment that has been listed for criteria violated, "Bio F" (impaired fish community) and/or "Bio M" (impaired macro invertebrate community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

Outfall ID # and Location (Station and Offset)	Reach Name	Location of the Impaired Stream Segment as Indicated in the 305b/303d List	Criteria Violated (Bio F|Bio M)	Potential Cause (NP|UR)	Category (4a, 4b, or 5)	Numeric waste load allocation (WLA) for sediment*
Outfall 1 STA 108+48, 37, RT	Whitewater Creek	Lake Bennett to Starrs Mill Pond	Bio F	NP, UR	4a	N/A
Outfall 2 STA 125+68, 33' RT	Whitewater Creek	Lake Bennett to Starrs Mill Pond	Bio F	NP, UR	4a	N/A
Outfall 3 STA 129+20, 46' RT	Whitewater Creek	Lake Bennett to Starrs Mill Pond	Bio F	NP, UR	4a	N/A
Outfall 4 STA 128+99, 34' LT	Whitewater Creek	Lake Bennett to Starrs Mill Pond	Bio F	NP, UR	4a	N/A
Outfall 5 STA 129+16, 38' LT	Whitewater Creek	Lake Bennett to Starrs Mill Pond	Bio F	NP, UR	4a	N/A
Outfall 6 STA 141+85, 31' LT	Whitewater Creek	Lake Bennett to Starrs Mill Pond	Bio F	NP, UR	4a	N/A
Outfall 7 STA 143+56, 64' LT	Whitewater Creek	Lake Bennett to Starrs Mill Pond	Bio F	NP, UR	4a	N/A
Outfall 9 STA 13+23, 16' RT	Whitewater Creek	Lake Bennett to Starrs Mill Pond	Bio F	NP, UR	4a	N/A
TMDL completed for Bio-F in 2018 for Flint River basin but there is not an approved TMDL Implementation Plan for sediment. Infrastructure projects are required to follow the NPDES permit.						

Items noted on Appendix I to be applied to this project shall be included in the overall bid price for the project. No separate payment shall be made.

Conduct turbidity sampling after every rain event of 0.5 inch or greater within any 24 hour period, recognizing the exceptions specified in Section IV.D.6.d. of the NPDES Permits.

STATE-WATER BUFFER IMPACTS

State-water buffers, as defined by O.C.G.A. 12-7-1, are impacted by this project.

Non-exempt activities shall not be conducted within the 25- or 50-foot undisturbed stream buffers as measured from the point 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.

The Contractor is not authorized to enter into stream buffers, except as described in the table below:

State-Water ID# or Name	Location of Buffered Streams and State Waters**			Stream Type (Warm/Cold Water)*	Buffer Variance Required? (Yes/No)
	Roadway Alignment	Begin Station and Offset	End Station and Offset		
Intermittent Stream 3	Trail A	125+00, 21.00' LT	126+00, 24.00' RT	Warm	No
The contractor is allowed to install buried pipe in the intermittent stream to provide a stream crossing.					
Perennial Stream 4	Trail A	126+06, 10.45' LT	126+82, 20.00' RT	Warm	No
The contractor is allowed to construct a stream culvert to provide a stream crossing					
Perennial Stream 5	Trail A	128+74, 23.00' RT	129+61, 33.60' LT	Warm	No
The contractor is allowed to construct a stream culvert to provide a stream crossing					
Perennial Stream 6	Trail A	141+00, 47.73' LT	141+84, 48.00' LT	Warm	No
No impact to buffer					

Unless noted otherwise, utility companies will be submitting the required permits/variances in conjunction with the impacts caused by their activities. If utility impacts are covered by the Department's stream buffer variance, this shall be noted in the buffer-variance-required column.

** Warm water streams have a 25-foot minimum buffer as measured from the wrested vegetation. Cold Water streams have a 50-foot buffer as measured from the wrested vegetation.*
***Locations are approximate, a detailed location of stream buffers and authorized work areas are shown on the Individual BMP sheets*

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DRAWING No. 51-0003

TEMPORARY SEDIMENT BASIN DETAILS:

Temporary sediment basins are not proposed on this project. See the sediment storage section for explanation and details.

INSPECTIONS AND REPORTING

As the primary permittee, the Department must retain the design professional who prepared the ESPCP, or an alternative design professional approved by EPD in writing, to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days of installation over the entire infrastructure project. Alternatively, for linear infrastructure projects, the permittee must retain either of these personnel to inspect the initial sediment storage requirements and perimeter control BMPs for the initial segment, as defined by Part IV.A.5. of the current GAR100002 Permit, within 7 days of installation and all sediment basins within the entire linear infrastructure project within 7 days of installation. The inspecting design professional shall report the results to the primary permittee within 7 days, and the permittee must correct all deficiencies within 2 business days of receipt of the inspection report, unless on-site weather conditions are such that more time is required. Additionally, the Department's Construction Project Engineer will be responsible for all subsequent 7 day inspections for all new BMP installations.

All other inspections shall be documented on the appropriate Department inspection forms. See Standard Specification (or Special Provision) 167 and other contract documents for inspection and reporting requirements. These inspections shall continue until the Notice of Termination (NOT) is submitted.

Whenever the Department finds that a BMP has failed or is deficient beyond routine maintenance and has resulted in sediment deposition into waters of the State, the Contractor shall take reasonable steps to address the condition, including cleaning up any contaminated surfaces so the material will not discharge in subsequent storm events. When the repair does not require a new or replacement BMP or significant repair, the BMP failure or deficiency must be corrected by the close of the next business day from the time of discovery. A repair requiring a new or replacement BMP or significant repair must be operational by no later than 7 days from the time of discovery. If the repair time within 7 days is infeasible, the Contractor and the Department shall schedule the BMP repair to be operational as soon as practical after the 7 day time frame.

Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deductions as specified in the contract documents.

WATER QUALITY INSPECTING AND SAMPLING PROCEDURES

See Special Provision 167 and other contract documents for the inspecting and sampling procedures. Sampling locations are provided in the Sampling Location table herein.

RETENTION OF RECORDS

The Department will retain all records related to the implementation of this ESPCP in accordance with Part IV.F of the General Permit GAR100002.

RIPRAP OUTLET PROTECTION

Structure #, Outfall ID#, or Station and Offset	Pipe Diameter Do (ft)	Q_{25} (ft^3/s)	V_{25} (ft/s)	Tailwater Condition (TW<0.5 Do TW>0.5 Do)	Width at Drainage Structure W1=3Do (ft)	Apron Length La (ft)	Downstream Width W2=Do+La (ft)	Average Stone Diameter d_{50} (ft)	Apron Thickness D (ft)	Riprap Type (Type 3 or Type 1)	Quantity (yd^2)
A-1	N/A	3.2	3.7	*TW>0.5 Do*	*6.00*	4.1	6.10	0.50	1.50	Type 3	4.0
B-1	1.5	0.6	3.5	*TW<0.5 Do*	4.50	6.7	8.70	0.20	1.50	Type 3	5.0
I-1	1.5	0.7	3.13	*TW<0.5 Do*	4.50	6	8.00	0.20	1.50	Type 3	4.0
D-1	3.0	1.0	5.12	*TW<0.5 Do*	6.50	6	9.50	0.17	1.50	Type 3	7.0
D1-A	N/A	14.0	6.48	*TW<0.5 Do*	*6.00*	7.7	9.70	0.50	N/A	Type 3	7.0
E-1	10' x 6'	256.3	10.04	*TW<0.5 Do*	*28.70*	32	21.50	0.70	3.00	Type 1	89.0
F-1	10' x 6'	179.6	8.31	*TW<0.5 Do*	*29.00*	33	20.50	0.60	3.00	Type 1	87.0
G-1	1.5	15.4	6.59	*TW<0.5 Do*	*6.00*	7	10.00	0.25	1.50	Type 3	6.0
F1-2	N/A	2.8	2.28	*TW>0.5 Do*	*6.00*	4.1	6.10	0.50	N/A	Type 3	4.0
F1-3	N/A	0.8	1.18	*TW>0.5 Do*	*6.00*	4.1	8.10	0.50	N/A	Type 3	6.0
K-1	1.5	2.21	5.59	*TW<0.5 Do*	*4.50*	6	8.50	0.20	1.50	Type 3	4.0

SAMPLING LOCATIONS AND GENERAL NOTES

Representative sampling may be utilized on this project as explained here. The individual outfall drainage basins along the project corridor have been carefully evaluated and compared on the basis of four characteristics: the type of construction activity, the disturbed acreage, the average slope about the outfall, and the soil erosion index 0-10, 10 being the most erodible soil. The construction activity types are new road on fill, new road in cut, road widening, and maintenance/safety. The disturbed area classes are less than or equal to 1 acre, greater than 1 acre to less than 2 acres, and equal to or greater than 2 acres. The average outfall slope is mild if it is equal to or less than 0.03, and steep if it is greater than 0.03. The soil erosion index is low if it is less than or equal to 5 and high if it is greater than 5. After evaluation of these characteristics as presented in the project's drainage area map, hydrology and hydraulic studies, construction plans, geotechnical soil survey, and erosion sedimentation and pollution control plans, the Department has determined that the representative sampling scheme shown below is valid for the duration of the project. The table shows the groups of similar outfall drainage basins.

The increase in turbidity at the specified locations in the table below will be representative of the alternate outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative sampled features are identified in the table below.

Note: The Total site area is 6.84 acres.

SAMPLING INFORMATION											Representative Sampling Scheme OUTFALL CHARACTERISTICS				
Primary Sampled Feature	Location (Station and Offset)	Name of Receiving Water	Applicable Construction Stage for Sampling	Sampling Type (Outfall or Receiving water)	Drainage Area for Receiving Water (mi^2)	Upstream Disturbed Area (acres)	Warm or Cold Water Stream	Appendix B NTU Value (Outfall Sampling only)	Allowable NTU Increase (Receiving water sampling only)	Location Description	Construction Activity	Disturbed Area (acres)	Average Outfall Slope (Rise/Run)	Soil Erosion Index	Represented Outfall Drainage Basins
Outfall-1	108+40, 37' RT	PS 4	Phase 2	Outfall	0.35	0.06	Warm	75	N/A	Outlet of 18" Pipe	New Trail - Fill	0.59	5%	6	1A
IS 3 Up	125+32, 35' LT	IS 3	All	Receiving	0.01	0.34	Warm	N/A	25	Upstream @ Easement	New Trail - Cut	N/A	N/A	6	N/A
IS 3 Down	125+85, 60' RT	IS 3	All	Receiving	0.01	1.78	Warm	N/A	25	Downstream @ Easement	New Trail - Cut	1.78	6%	6	Outfall-2
PS 5 Up	129+09, 42' LT	PS 5	All	Receiving Water	0.11	0.65	Warm	N/A	25	Upstream @ Easement	New Trail - Cut	1.27	N/A	6	N/A
PS 5 Down	129+34, 72' RT	PS 5	All	Receiving Water	0.11	0.27	Warm	N/A	25	Downstream @ Easement	New Trail- Cut	0.92	2%	6	3, 4, 5
Outfall-6	141+85, 31' LT	PS 6	All	Outfall	0.08	0.46	Warm	75	N/A	End of Ditch @ Easement	New Trail - Fill	0.39	2%	6	7, 8
Outfall-9	13+23, 16' RT	PS 4	All	Outfall	0.35	0.18	Warm	75	N/A	Ex Drop Inlet	New Trail - Cut	0.18	10%	6	N/A

The primary sampled features specified should be used as the initial sampling locations. An alternate sampled feature may be used if additional sampling is required or to replace a primary sampled feature that is no longer located within the active phase of construction.

CHANNEL PROTECTION

All channels may be stabilized exclusively with permanent grassing except as noted otherwise in the table below.

Begin Station and Offset	End Station and Offset	Q_{25} (ft^3/s)	V_{25} (ft/s)	Type of Channel Lining	Channel Bottom Width (ft)	Depth of Protection Dp (ft)	Quantity (yd^2)
100+00 RT	*105+00 RT*	*3.2*	*3.70*	*TRM-1*	*2.0*	*1.00*	*444.44*
113+40 LT	*114+00 LT*	*0.1*	*0.56*	*GRASS*	*2.0*	*1.00*	*53.33*
114+00 LT	*115+00 LT*	*0.1*	*0.20*	*GRASS*	*2.0*	*1.00*	*88.87*
113+00 RT	*113+50 RT*	*0.6*	*1.51*	*GRASS*	*2.0*	*1.00*	*44.44*
113+50 RT	*116+00 RT*	*4.7*	*3.33*	*TRM-1*	*2.0*	*1.00*	*222.22*
116+00 RT	*118+00 RT*	*7.3*	*5.01*	*TRM-2*	*2.0*	*1.00*	*177.78*
118+00 RT	*120+00 RT*	*9.6*	*3.70*	*TRM-2*	*2.0*	*1.00*	*177.78*
120+00 RT	*125+00 RT*	*14.0*	*6.48*	*TRM-2*	*2.0*	*1.00*	*405.56*
127+00 RT	*128+25 RT*	*2.9*	*0.94*	*GRASS*	*2.0*	*1.00*	*111.11*
129+50 LT	*131+90 LT*	*2.8*	*2.24*	*TRM-1*	*2.0*	*1.00*	*177.78*
133+00 RT	*136+00 RT*	*2.1*	*2.13*	*TRM-1*	*2.0*	*1.00*	*266.67*
139+30 RT	*139+80 RT*	*1.5*	*1.90*	*GRASS*	*4.0*	*1.00*	*44.44*
139+80 RT	*141+00 RT*	*2.5*	*2.42*	*TRM-3*	*4.0*	*1.00*	*106.67*
145+75 RT	*146+75 RT*	*0.8*	*1.18*	*GRASS*	*2.0*	*1.00*	*88.89*

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SR 54 MULTI-USE TRAIL & BRIDGE

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APPENDIX 1

THE ES&PC PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE FOLLOWING BMPS FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO A IMPAIRED STREAM SEGMENT AND FOR SITES WHICH EPD HAS APPROVED IN WRITING A REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME.

The four items chosen must be appropriate for the site conditions.

Plan Page #	Included Y/N		
	N	a.	During construction activities, double the width of the 25 foot undisturbed vegetated buffer along all State waters requiring a buffer and the 50 foot undisturbed vegetated buffer along all State waters classified as "trout streams" requiring a buffer. During construction activities, EPD will not grant variances to any such buffers that are increased in width.
	N	b.	Increase all temporary sediment basins and retrofitted storm water management basins to provide sediment storage of at least 3600 cubic feet (134 cubic yards) per acre drained.
	N	c.	Use baffles in all temporary sediment basins and retrofitted storm water management basins to at least double the conventional flow path length to the outlet structure.
51-0001	Y	d.	A large sign (minimum 4 feet x 8 feet) must posted on site by the actual start date of construction. The sign must be visible from a public roadway. The sign must identify the following: (1) the construction site, (2) the permittee(s), (3) the contact person(s) and telephone number(s), and (4) the permittee-hosted website where the Plan can be viewed must be provided on the submitted NOI. The sign must remain on site and the Plan must be available on the provided website until a NOT has been submitted.
54 Series	Y	e.	Use flocculants or coagulant and/or mulch to stabilize all areas left disturbed for more than seven (7) calendar days in accordance with Section III.D.1. of the NPDES Permit.
51-0003	Y	f.	Conduct turbidity sampling after every rain event of 0.5 inch or greater within any 24 hour period, recognizing the exceptions specified in Section IV.D.6.d. of the NPDES Permits.
	N	g.	Comply with the applicable end-of-pipe turbidity effluent limit, without the "BMP defense" as provided for in O.C.G.A. 12-7-6 (a)(1).
	N	h.	Reduce the total planned site disturbance to less than 50% impervious surfaces (excluding any State-mandated buffer areas from such calculations). All calculations must be included on the plan.
51-0003	Y	i.	Limit the amount of disturbed area at any one time to no greater than 25 acres or 50% of the total planned is less. All calculations must be included on the plan.
	N	j.	Use "Dirt II" techniques available on the EPD website, to model and manage construction storm water runoff (including sheet flow). All calculations must be included on the Plan. (https://epd.georgia.gov/erosion-and-sedimentation)
	N	k.	Add appropriate organic soil amendments (e.g., compost) and conduct pre- and post-construction soil sampling to a depth of six (6) inches to document improved levels of soil carbon after final stabilization of the construction site.
	N	l.	Use mulch filter berms, in addition to a silt fence, on the site perimeter wherever construction storm water (including sheet flow) may be discharged. Mulch filter berms cannot be placed in waterways or areas of concentrated flow.
	N	m.	Use appropriate erosion control slope stabilization instead of concrete in all construction storm water ditches and storm drainages designed for a 25 year, 24 hour rainfall event.
	N	n.	Use flocculants or coagulants under a passive dosing method (e.g., flocculant blocks) within construction storm water ditches and storm drainages that feed into temporary sediment basins and retrofitted management basins.
	N	o.	Install sod for a minimum 20 foot width (in lieu of seeding) after final grade has been achieved, along the site perimeter wherever storm water (including sheet flow) may be discharged.
	N	p.	Conduct soil tests to identify and to implement site-specific fertilizer needs.
	N	q.	Certified personnel for primary permittees shall conduct inspections at least once every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Section IV.D.4.a.(3).(a) – (c) of the permit. *
	N	r.	Apply the appropriate compost blankets (minimum depth 1.5 inches) to protect soil surfaces until vegetation is established during the final stabilization phase of the construction activity.
	N	s.	Use alternative BMPs whose performance has been documented to be superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). (If using this item please refer to the Alternative BMP guidance document found at www.gaswcc.georgia.gov)
	N	t.	Limit the total planned site disturbance to less than 15% impervious surfaces (excluding any state mandated buffer areas from such calculations). All calculations must be included in the plan.
	N	u.	Conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase of the project by the design professional who prepared the Plan in accordance with Section IV.A.5. of the permit. The Plan must include a statement that the primary permittee must retain the design professional who prepared the Plan to conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase.
	N	v.	Install Post Construction BMPs (e.g., runoff reduction BMPs) which remove 80% TSS as outlined in the Georgia Stormwater Management Manual known as the Blue Book or an equivalent or more stringent design manual.

Effective January 1, 2020

* This item is consistent with Section III.C.2. of the General NPDES GAR100002 permit effective August 1, 2018.

GEORGIA DEPARTMENT OF TRANSPORTATION

AECOM

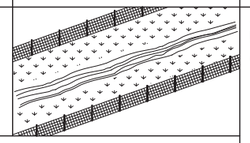
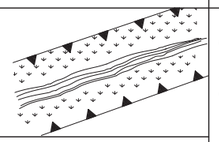
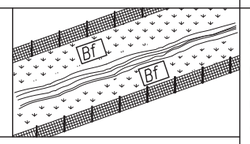
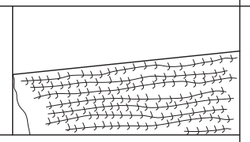
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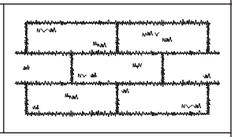
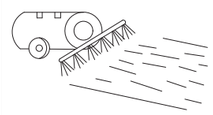
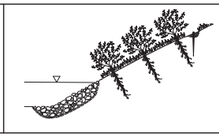
REVISION DATES

ESPCP GENERAL NOTES

SR 54 MULTI-USE TRAIL & BRIDGE

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BACKCHECKED:		DATE:		51-0005
CORRECTED:		DATE:		
VERIFIED:		DATE:		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
	ORANGE BARRIER FENCE		ORANGE BARRIER FENCE DELINEATES ENVIRONMENTALLY SENSITIVE AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, OR PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.
		LINE CODE  ORANGE BARRIER FENCE	
ESA	ENVIRONMENTALLY SENSITIVE AREA		AN ENVIRONMENTALLY SENSITIVE AREA (ESA) CONTAINS RESOURCES THAT ARE ENVIRONMENTALLY, CULTURALLY, OR HISTORICALLY SENSITIVE. ESAs INCLUDE, BUT ARE NOT LIMITED TO: STATE WATER BUFFERS, HISTORIC SITES, ARCHAEOLOGICAL SITES, AND PROTECTED ANIMAL AND PLANT SPECIES HABITATS. IF WORK IS AUTHORIZED IN THIS AREA, THE WORK MUST BE PERFORMED IN ACCORDANCE WITH SECTION 107 AND ANY OTHER APPLICABLE SPECIAL PROVISIONS AND APPLICABLE PLAN NOTES.
		LINE CODE  ESA-25'(OR 50')STREAM BUFFER, ETC.	
Bf	BUFFER ZONE		A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION, OR THE RE-ESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAMS, PONDS, WETLANDS, LAKES, AND COASTAL WATERS. WHEN NECESSARY, BUFFER ZONES ARE TO BE PROTECTED BY ORANGE BARRIER FENCE.
		SYMBOL Bf	
Ds1	MULCH SECTION 163		THIS IS AN APPLICATION OF STRAW MULCH USED TO REDUCE SOIL EROSION AND STABILIZE THE SOIL. IT IS USED TO CONTROL EROSION IN AREAS WHERE PERMANENT VEGETATION IS OUT OF SEASON OR TO TEMPORARILY STABILIZE AREAS PRIOR TO FINAL GRADING. MULCHING REQUIREMENTS ARE ADDRESSED BY STANDARD SPECIFICATIONS AND/OR THE PROJECT ENGINEER. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
		SYMBOL Ds1	
Ds2	TEMPORARY GRASSING SECTION 163,700		THE SOWING OF A QUICK GROWING SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON. IT IS TYPICALLY USED TO CONTROL EROSION IN AREAS LONGER THAN MULCHING IS EXPECTED TO LAST. TEMPORARY GRASSING SHOULD BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATIONS. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
		SYMBOL Ds2	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ds3	PERMANENT GRASSING SECTION 700		THE SOWING OF PERMANENT VEGETATION, SUCH AS GRASS, SUITABLE TO THE AREA AND SEASON. PERMANENT VEGETATION SHALL BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATION. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
		SYMBOL Ds3	
Ds4	SODDING CONSTRUCTION DETAIL D-54 SECTION 700,890		THE INSTALLATION OF A SPECIES OF GRASS SODDING SUITABLE TO THE AREA AND SEASON TO PROVIDE IMMEDIATE PERMANENT VEGETATION. SODDING MAY BE SHOWN FOR HIGHLY SENSITIVE AREAS, TO IMPROVE AESTHETICS, OR FOR SPECIAL PLANTING REQUIREMENTS ON THE BASIS OF ENVIRONMENTAL COMMITMENTS OR LANDSCAPING REQUIREMENTS. THE BMP PATTERN FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
		PATTERN 	
Fl-Co	FLOCCULANTS COAGULANTS SECTION 163,700, 895		FLOCCULANTS AND COAGULANTS ARE USED TO SETTLE SUSPENDED SEDIMENT, HEAVY METALS, AND HYDROCARBONS (TSS) IN SLOW MOVING RUNOFF FROM CONSTRUCTION SITES FOR WATER CLARIFICATION. ANIONIC POLYACRYLAMIDES (PAM) MAY BE USED IN CONJUNCTION WITH BMPs WITHIN CHANNELS UPSTREAM OF A POST-CONSTRUCTION POND, TEMPORARY SEDIMENT BASIN, OR TEMPORARY SEDIMENT TRAP. FLOCCULANTS SHALL NOT BE USED DOWNSTREAM OF AFOREMENTIONED BMPs! FLOCCULANTS/COAGULANTS ARE TO BE SHOWN ON PLANS WITH APPLICABLE BMP IF NEEDED. PAYMENT FOR PAM AS A FLOCCULANT WILL BE INCLUDED IN THE PRICE FOR THE INSTALLATION AND/OR MAINTENANCE OF THE BMP IT IS USED IN CONJUNCTION WITH. NO SEPARATE PAYMENT WILL BE MADE.
		SYMBOL Fl-Co POLYACRYLAMIDE	
Sb	STREAMBANK STABILIZATION SECTION 702		STREAMBANK STABILIZATION IS THE USE OF READILY AVAILABLE NATIVE PLANT MATERIALS TO MAINTAIN AND ENHANCE STREAMBANKS, OR TO PREVENT, OR RESTORE AND REPAIR SMALL STREAMBANK EROSION PROBLEMS. STREAMBANK STABILIZATION AREAS SHOULD BE SHOWN ON THE PLANS WHEN APPLICABLE TO THE PROJECT. REFER TO THE PROJECT'S STREAM AND STREAM BUFFER MITIGATION PLANS FOR PLANT SPECIES, LOCATIONS, AND OTHER PLANTING DETAILS.
		PATTERN 	

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

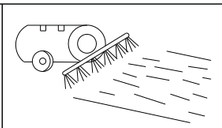
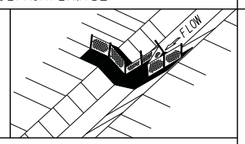
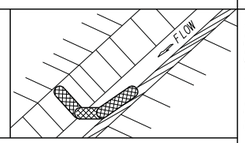
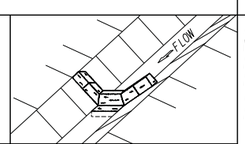
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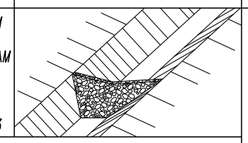
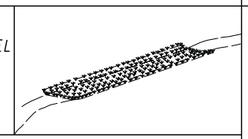
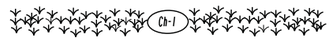
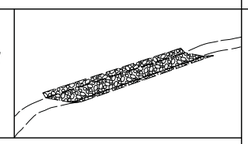
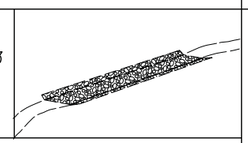
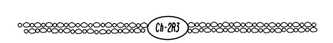
REVISION DATES
3/2/2017

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 1 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 52-0001

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ss	SLOPE STABILIZATION CONSTRUCTION DETAIL D-35 SECTION 716	 PATTERN 	SLOPE STABILIZATION (EROSION CONTROL MATTING) IS A PROTECTIVE COVERING USED TO PREVENT EROSION AND ESTABLISH TEMPORARY OR PERMANENT VEGETATION ON STEEP SLOPES, SHORE LINES, OR CHANNELS. SLOPE STABILIZATION MAY BE A ROLLED EROSION CONTROL PRODUCT (RECP) OR A HYDRAULIC EROSION CONTROL PRODUCT (HECP). SLOPE STABILIZATION SHALL BE USED ON ALL CUT OR FILL SLOPES OF 2.5:1 OR STEEPER AND WITHIN 50 FEET OF ALL CROSS DRAINS AND CULVERTS. NOTE: ONLY COCONUT FIBER BLANKET OR WOOD FIBER BLANKET SHALL BE USED AS SLOPE STABILIZATION WITHIN BUFFERED AREAS.
Tac	TACKIFIERS SECTION 163, 700, 895	 SYMBOL Tac POLYACRYLAMIDE	TACKIFIERS HYDRATE IN WATER AND READILY BLEND WITH OTHER SLURRY MATERIALS AND ARE USED TO TIE-DOWN FOR SOIL, COMPOST, SEED, STRAW, HAY OR MULCH. TACKIFIERS REQUIREMENTS, SUCH AS ANIONIC POLYACRYLAMIDES (PAM) ARE ADDRESSED BY STANDARD SPECIFICATIONS AND ARE NOT TYPICALLY SHOWN ON THE PLANS. PAM IS TYPICALLY USED BY THE CONTRACTOR FOR TEMPORARY OR PERMANENT GRASSING. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR CRITERIA.
Cd-F	FABRIC CHECK DAM CONSTRUCTION DETAIL D-24D SECTION 171	 SYMBOL Cd-F	A CHECK DAM COMPOSED OF SYNTHETIC FIBER FABRIC, WIRE REINFORCED, POST, OVERFLOW WEIR, AND TURF REINFORCEMENT MATTING (TRM) SPLASHPAD PLACED IN DITCHES IN A SPECIAL CONFIGURATION WHICH CONTROLS ENERGY DISSIPATION AND FILTRATION OF STORM WATER. SEE CONSTRUCTION DETAIL D-24D FOR ADDITIONAL INFORMATION AND SPACING REQUIREMENTS. THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS AND WITHIN THE CLEAR ZONE. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Cd-Fs	COMPOST FILTER SOCK CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163	 SYMBOL Cd-Fs	A COMPOST FILTER SOCK CHECK DAM IS COMPOSED OF A PHOTODEGRADABLE OR BIODEGRADABLE KNITTED MESH MATERIAL CONTAINING A WEED FREE FILLER MATERIAL DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THEY SHALL BE PROPERLY STAKED FOR DITCH APPLICATIONS. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR MATERIAL SPECIFICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Cd-Hb	BALED STRAW CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163	 SYMBOL Cd-Hb	A BALE STRAW CHECK DAM IS COMPOSED OF BALES PREFERABLY BOUND WITH WIRE OR NYLON INSTEAD OF TWINE. BALES SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING ADJACENT BALES. THE DOWNSTREAM ROW OF BALES SHALL BE PLACED IN A TRENCH TO ALLOW THE TOP OF THE BALE'S LONG, WIDE SIDE TO BE LEVEL WITH THE GROUND AS A NON-ERODIBLE SPLASH PAD. PROPER STAKING IS ALSO REQUIRED FOR DITCH APPLICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Cd-S	STONE CHECK DAM OR SANDBAG CHECK DAM CONSTRUCTION DETAIL D-56 SECTION 163, 603	 SYMBOL Cd-S	STONE CHECK DAMS ARE CONSTRUCTED OF TYPE-3 RIP-RAP WITH GEOTEXTILE UNDERLINER. STONE CHECK DAMS ARE PREFERRED IN ROADWAY DITCHES OUTSIDE THE CLEAR ZONE. CONSIDERATION SHOULD BE GIVEN TO USING OTHER APPROPRIATE CHECK DAMS AND/OR BMPs WITHIN THE CLEAR ZONE. SANDBAG CHECK DAMS ARE RECOMMENDED IN CONCRETE LINED CHANNELS FOR TEMPORARY VELOCITY CONTROL ONLY. ENSURE DISCHARGE POINT IS PROPERLY STABILIZED AND INCLUDE APPROPRIATE BMPs FOR SEDIMENT STORAGE UPSTREAM AND/OR DOWNSTREAM OF CONCRETE LINED CHANNELS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Ch-I	VEGETATED CHANNEL STABILIZATION SECTION 700	 LINE CODE 	A NEW OR EXISTING CHANNEL MAY BE LINED WITH PERMANENT VEGETATION ONLY FOR VELOCITIES UP TO 5.0 fps. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT CHANNEL LINING DESIGN PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. TYPICALLY NOT SHOWN IN PLANS.
Ch-2RI	CHANNEL STABILIZATION RIP-RAP, TYPE I CONSTRUCTION DETAIL D-49 SECTION 603	 LINE CODE 	THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE I RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2R3	CHANNEL STABILIZATION RIP-RAP, TYPE 3 CONSTRUCTION DETAIL D-49 SECTION 603	 LINE CODE 	THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

NO SCALE

REVISION DATES
3/2/2017
11/28/2018

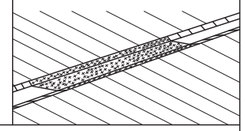
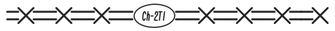
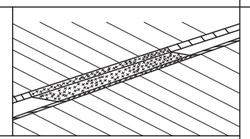
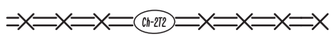
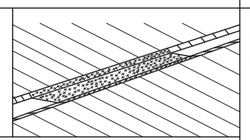
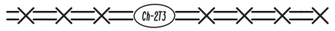
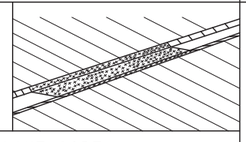
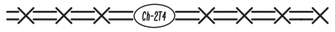
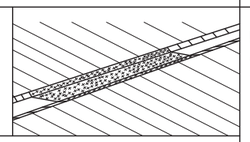
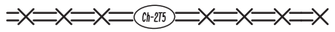
EROSION CONTROL LEGEND

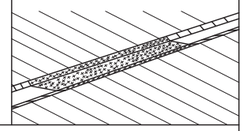
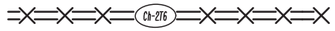
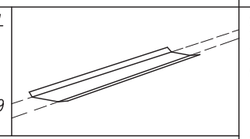
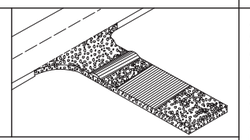
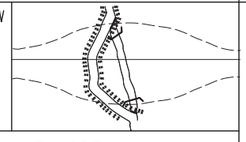
UNIFORM CODE SHEET

SHEET 2 OF 7

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DRAWING No. 52-0002

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T1	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-2 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T2	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-4 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T3	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-6 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T4	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-8 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2T5	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-10 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T6	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711	 LINE CODE 	THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-12 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-3	CONCRETE CHANNEL STABILIZATION CONSTRUCTION DETAIL D-10, D-49 SECTION 441	 LINE CODE 	CHANNELS ARE LINED WITH CONCRETE FOR VELOCITIES >/= 10 fps. THIS ITEM CONSISTS OF CONSTRUCTING A 4" THICK CONCRETE CHANNEL. THE CONCRETE SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. RIP-RAP SHOULD BE USED TO DISSIPATE ENERGY DOWNSTREAM OF CONCRETE LINED CHANNELS.
Co	CONSTRUCTION EXIT CONSTRUCTION DETAIL D-41 SECTION 163, 800	 SYMBOL 	A CONSTRUCTION EXIT IS A STONE STABILIZED PAD THAT REDUCES OR ELIMINATES THE TRANSPORT OF MUD FROM CONSTRUCTION AREAS ONTO PUBLIC ROADS BY EQUIPMENT OR RUNOFF. BEST USED AT ACCESS POINTS, i.e. NEW LOCATION PROJECTS, BORROW PITS, WASTE PITS, ACCESS ROADS, ETC. SHOULD BE MINIMUM 20' WIDE, 50' LONG, 6" THICK, AND REQUIRES A GEOTEXTILE UNDERLINER. ON SITES WHERE THE GRADE TOWARD A PAVED AREA IS GREATER THAN 2%, A FULL WIDTH DIVERSION RIDGE 6" TO 8" HIGH WITH 3:1 SLOPES SHALL BE CONSTRUCTED APPROXIMATELY 15' UPSTREAM OF PAVED AREA. A TIRE WASHING AREA TO REMOVE MUD MAY ALSO BE REQUIRED PRIOR TO ENTRANCE ONTO PUBLIC ROADWAYS. ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.
Dc-A	STREAM DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163	 LINE CODE 	A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE OR POLYETHYLENE FILM. INSTALL TWO ROWS OF Sdl-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 0 - 2.5 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

GDOT

NO SCALE

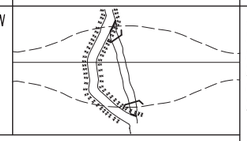
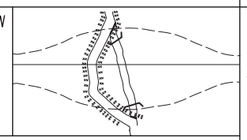
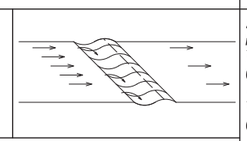
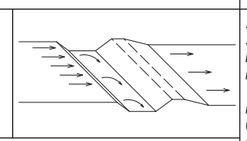
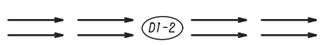
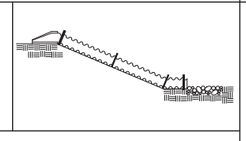
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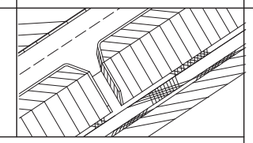
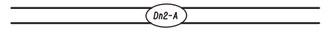
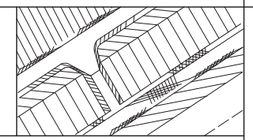
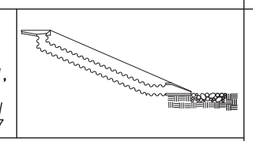
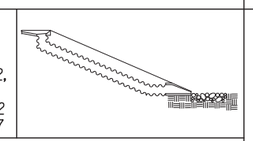
EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 3 OF 7

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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY SECTION 163	 LINE CODE 	A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE ONLY. INSTALL TWO ROWS OF Sdl-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 2.5 - 9.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
Dc-C	STREAM DIVERSION CHANNEL RIP-RAP & GEOTEXTILE SECTION 163	 LINE CODE 	A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH RIP-RAP AND GEOTEXTILE. INSTALL TWO ROWS OF Sdl-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 9.0 - 13.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
D1-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205	 LINE CODE 	A NON-DESIGNED TEMPORARY EARTHEN BERM WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO BE USED AT THE EDGE OF EMBANKMENT DURING THE GRADING OPERATION. THE BERMS ARE ALSO CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE. THEY ARE USED TO INTERCEPT RUNOFF, PREVENTING SLOPE EROSION AND TO DIRECT THE RUNOFF TO A STABLE OUTLET, DOWN DRAINS "Dnl"OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS.
D1-2	DIVERSION CHANNEL SECTION 205	 LINE CODE 	A DESIGNED TEMPORARY OR PERMANENT CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO DIVERT OFFSITE RUNOFF AWAY FROM DISTURBED AREAS WITHIN THE PROJECT AREA. CHANNEL FOR OFFSITE RUNOFF SHALL BE STABILIZED WITH APPROPRIATE CHANNEL STABILIZATION. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. A DIVERSION CHANNEL DETAIL MUST ALSO BE PROVIDED IN THE ESPCP. RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION.
Dnl	TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163	 LINE CODE 	A TEMPORARY PIPE SLOPE DRAIN IS A PLASTIC FLEXIBLE PIPE TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. TEMPORARY SLOPE DRAINS SHOULD BE PLACED AT INTERVALS OF 350 FEET ON 0% - 2% GRADES, 200 FEET ON STEEPER GRADES AND MORE FREQUENTLY AS DICTATED BY FIELD CONDITIONS. THE TYPICAL PIPE SIZE IS A CORRUGATED 10". THE PIPE WILL BE ANCHORED WITH STAKES AT INTERVALS NOT TO EXCEED 10'. THE OUTLET AREA SHALL BE STABILIZED FOR VELOCITY DISSIPATION AND EROSION CONTROL.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dn2-A	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441	 LINE CODE 	A CONCRETE FLUME TYPE "A" IS USED TO DIRECT SURFACE RUNOFF DOWN A ROADWAY SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE WATER WILL FLOW DOWN THE SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OTHER CRITERIA).
Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441	 LINE CODE 	A CONCRETE FLUME TYPE "B" IS USED TO DIRECT SURFACE DITCH RUNOFF DOWN A BACK SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN DEPRESSED AREAS WHERE CONCENTRATED OFFSITE WATER REACHES THE CUT SLOPE. IT IS DESIGNED TO SAFELY CONVEY WATER DOWN THE CUT SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP1, 9017J TP1, DETAIL D-26 TP1 SECTION 576, 577	 LINE CODE 	CONCRETE DRAIN INLET WITH METAL PIPE IS USED TO DRAIN CURBS, ON A GRADE, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577	 LINE CODE 	CONCRETE DRAIN INLET AND METAL PIPE IS USED TO DRAIN CURB, IN A SAG, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

GDOT

NO SCALE

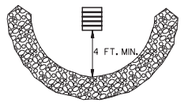
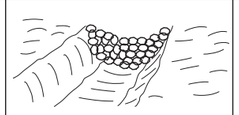
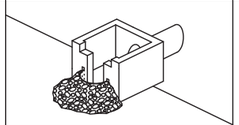
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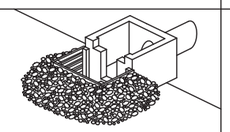
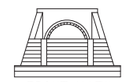
EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 4 OF 7

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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Fr	FILTER RING CONSTRUCTION DETAIL D-46 SECTION 163 SYMBOL: Fr		A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS AND POST-CONSTRUCTION POND OUTLETS. IT REDUCES RUNOFF VELOCITY AND HELPS PREVENT SEDIMENT FROM LEAVING SITE PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION ON USAGE.
Rd	ROCK FILTER DAM CONSTRUCTION DETAIL D-43 SECTION 163, 603 SYMBOL: Rd		ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. THEY ARE PLACED ACROSS DRAINAGEWAYS WHICH DRAIN 50 ACRES OR LESS. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING ROCK FILTER DAMS. THE DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS. ROCK FILTER DAMS SHOULD BE USED IN DITCHES PRIOR TO DISCHARGING INTO STREAMS, WETLANDS, OPEN-WATERS, OR OTHER ESAs.
Rd-B	STONE FILTER BERM CONSTRUCTION DETAIL D-50 SECTION 163, 603 LINE CODE: —Rd-B—		STONE FILTER BERMS ARE CONSTRUCTED SIMILAR TO ROCK FILTER DAMS FOR A LINEAR APPLICATION. THEY ARE CONSTRUCTED OF TYPE-3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING STONE FILTER BERMS. STONE FILTER BERMS ARE IDEAL ALONG THE PERIMETER FOR SHEET FLOW AND/OR SHALLOW CONCENTRATED FLOW TO A COMMON LOW AREA WHERE PERIMETER SILT FENCE ALONE MAY BE INSUFFICIENT, THERE IS NO WELL-DEFINED CHANNEL FOR A STANDARD ROCK FILTER DAM, AND/OR CONSTRUCTING A ROCK OUTLET TEMPORARY SEDIMENT TRAP IS NOT APPLICABLE.
Rp	RIP-RAP SECTION 603 PATTERN: Rp		RIP-RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND BRIDGE END ROLLS. RIP-RAP TYPE-1 SHOULD BE PLACED ON TOP OF A GEOTEXTILE UNDERLINER AT A MINIMUM 24" THICKNESS OR AS INDICATED ON THE PLANS. RIP-RAP MAY ALSO BE USED AT DRAINAGE STRUCTURE OUTLETS WITHIN THE RIGHT-OF-WAY. HOWEVER, APPROPRIATE OUTLET PROTECTION SHOULD BE PROVIDED AT OUTFALLS. REFER TO STORM DRAIN OUTLET PROTECTION FOR ADDITIONAL INFORMATION ON USING RIP-RAP AT OUTFALLS.
Rt-P	RETROFITTING PERFORATED HALF-ROUND PIPE CONSTRUCTION DETAIL D-44 SECTION 163 SYMBOL: Rt-P		A PERFORATED HALF-ROUND PIPE WITH STONE FILTER PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER. SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 30 ACRES TOTAL DRAINAGE AREA. SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Rt-B	RETROFITTING SLOTTED BOARD DAM CONSTRUCTION DETAIL D-45 SECTION 163 SYMBOL: Rt-B		A SLOTTED BOARD DAM CONSISTS OF STONE AND/OR FILTER FABRIC AND BOARDS WITH 0.5" - 1.0" SPACING TO SERVE AS A TEMPORARY SEDIMENT FILTER. PERMANENT STORMWATER DETENTION POND OUTLET: -DRAINAGE AREA UP TO 100 ACRES -DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA ROADWAY DRAINAGE STRUCTURE: -OPEN END PIPES, WINGED HEADWALLS, OR CONCRETE WEIR OUTLETS WITH DRAINAGE AREA LESS THAN 30 ACRES REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
Rt-Sg1 Rt-Sg2 Rt-Sg3	RETROFITTING SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163 SYMBOL: Rt-Sg1 Rt-Sg2 Rt-Sg3		A SILT CONTROL GATE CONSISTS OF BOARDS WITHOUT SPACING AND FILTER FABRIC TO BE USED FOR TEMPORARY SEDIMENT STORAGE ON ROADWAY PROJECTS AT THE INLET OF STRUCTURES WITH A DRAINAGE AREA UP TO 50 ACRES. THE DISTURBED AREA WITHIN THE DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. SILT CONTROL GATES SHOULD NOT BE USED ALONE, BUT WITH ANOTHER BMP DOWNSTREAM PRIOR TO DISCHARGE LEAVING PROJECT AREA. DO NOT USE SILT GATES IN STATE WATERS. Rt-Sg1=TYPE 1: USED ON BOX CULVERTS Rt-Sg2=TYPE 2: USED ON STRAIGHT HEADWALLS Rt-Sg3=TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS
Sdl-NS	SEDIMENT BARRIER (NON-SENSITIVE) SILT FENCE TYPE A CONSTRUCTION DETAIL D-24 SECTION 171 LINE CODE: —A—A—A—Sdl-NS—A—A—A—		SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-A SILT FENCE IS TYPICALLY USED IN NON-ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS LESS THAN 10'. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.
Sdl-S	SEDIMENT BARRIER (SENSITIVE) SILT FENCE TYPE C CONSTRUCTION DETAIL D-24 SECTION 171 LINE CODE: —C—C—C—Sdl-S—C—C—C—		SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-C SILT FENCE IS TYPICALLY USED IN ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS 10' AND GREATER. ALL ENVIRONMENTALLY SENSITIVE AREAS (ESAs) SHALL BE PROTECTED WITH A DOUBLE-ROW OF TYPE-C SILT FENCE REGARDLESS OF FILL HEIGHT. A SINGLE-ROW MAY BE USED FOR OTHER APPLICATIONS. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

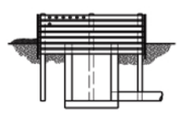
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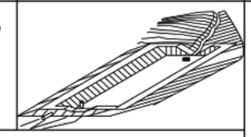
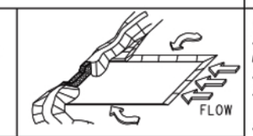
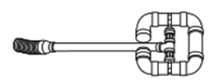
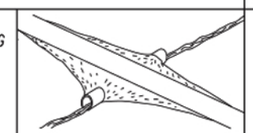
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REVISION DATES
3/2/2017

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 5 OF 7

CHECKED:	D. EAGLETON	DATE: 01/01/16	DRAWING No.
BACKCHECKED:		DATE:	52-0005
CORRECTED:		DATE:	
VERIFIED:		DATE:	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER CONSTRUCTION DETAIL D-24B SECTION 201		THIS ITEM CONSISTS OF INTERMINGLED BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM. CONSTRUCTED AT THE TOE OF FILL SLOPES ONLY DURING THE CLEARING AND GRUBBING OPERATION. THE BARRIER SHOULD BE USED AT THE TOE OF FILL SLOPES ON GRADING PROJECTS IN RURAL AREAS WHERE SUFFICIENT RIGHT OF WAY OR EASEMENT IS AVAILABLE (10 FEET OR MORE). THE BARRIER SHOULD RUN ROUGHLY PERPENDICULAR TO THE FLOW OF WATER WHERE THIS DOES NOT CONFLICT WITH RIGHT-OF-WAY OR EASEMENT LIMITS. THEY WILL NOT BE PLACED IN WETLANDS. TYPICALLY NOT SHOWN ON PLANS. PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPARATE PAYMENT SHALL BE MADE.
	LINE CODE * * * (Sd1-BB) * * *		
Sd2-B	INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163		BAFFLE BOX INLET SEDIMENT TRAP USED FOR INLETS RECEIVING HIGH FLOW RATE AND/OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES 7 cfs AND GREATER.
	SYMBOL Sd2-B		
Sd2-Bg	INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-42 SECTION 163		BLOCK AND GRAVEL DROP INLET PROTECTION USED FOR WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. CAN BE USED AT CULVERT INLETS. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 5 - 7 cfs.
	SYMBOL Sd2-Bg		
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-24C SECTION 163		(a) A SEDIMENT BARRIER CONSISTING OF A PREFABRICATED FRAME WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (b) A SEDIMENT BARRIER CONSISTING OF A PERFORATED METAL STAND PIPE WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (c) TYPE C SILT FENCE WITH SUPPORTING FRAME CAN BE USED AS AN ALTERNATE TO INLET SEDIMENT TRAP FOR AREAS WITH SLOPES < 5%. THIS ITEM IS USED TO PREVENT SILT FROM ENTERING THE PIPE SYSTEM. SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS. RECOMMENDED FOR INLET RECEIVING FLOW RATES THAT RANGE FROM 0 - 4 cfs.
	SYMBOL Sd2-F		
Sd2-G	INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163		GRAVEL DROP INLET PROTECTION USED WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED. STONE AND GRAVEL ARE USED TO TRAP SEDIMENT. THE SLOPE TOWARD THE INLET SHALL BE NO MORE THAN 3:1. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 3 - 5 cfs.
	SYMBOL Sd2-G		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd3	TEMPORARY SEDIMENT BASIN CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BASIN CREATED BY EXCAVATING AN AREA, DAMMING CONCENTRATED FLOW, OR A COMBINATION OF BOTH. THE BASIN IS DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DRAINAGE AREA. THE DRAINAGE AREA SHOULD NOT EXCEED 150 ACRES. BASINS TYPICALLY CONSISTS OF A DAM, PRINCIPAL SPILLWAY, AND AN EMERGENCY SPILLWAY. A FLOATING SURFACE SKIMMER SHALL BE REQUIRED AS PART OF THE PRINCIPAL SPILLWAY UNLESS INFEASIBLE. SUFFICIENT RIGHT-OF-WAY OR EASEMENT IS NEEDED FOR BASIN CONSTRUCTION AND MAINTENANCE ACCESS. SEDIMENT BASINS SHALL BE CONSIDERED ON ALL PROJECTS, BUT MAY NOT BE PRACTICAL. BASINS SHOULD BE LOCATED TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND UTILITIES. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL Sd3		
Sd4-C	ROCK OUTLET TEMPORARY SEDIMENT TRAP CONSTRUCTION DETAIL D-53 SECTION 163		TEMPORARY POND WITH ROCK OUTLET DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER DRAINAGE AREA. DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. DISTINGUISHED FROM TEMPORARY SEDIMENT BASIN BY LACK OF PRINCIPAL SPILLWAY. MAXIMUM POND DEPTH FROM BOTTOM OF POND TO EMERGENCY SPILLWAY IS 4 FEET. A TEMPORARY SEDIMENT BASIN SHALL BE EVALUATED PRIOR TO CONSIDERING A TEMPORARY SEDIMENT TRAP. A TEMPORARY SEDIMENT TRAP IS IDEAL FOR SMALL AREAS WITH NO UNUSUAL DRAINAGE FEATURES AND EFFECTIVE AGAINST COARSE SEDIMENT, BUT NOT AGAINST SILT OR CLAY PARTICLES THAT REMAIN SUSPENDED. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL Sd4-C		
Sk	FLOATING SURFACE SKIMMER CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BUOYANT DEVICE THAT DRAINS WATER FROM THE SURFACE OF A TEMPORARY SEDIMENT BASIN AT A CONTROLLED FLOW RATE. THE INLET/ORIFICE SIZE IS DESIGNED TO DRAIN THE BASIN WITHIN 24 - 48 HOURS. THE SKIMMER INFORMATION SHALL BE PROVIDED IN CONJUNCTION WITH THE SEDIMENT BASIN INFORMATION IN PLANS. IF A SKIMMER IS INFEASIBLE, THE DESIGNER SHALL PROVIDE A WRITTEN JUSTIFICATION IN THE PLANS. SKIMMERS ARE ATTACHED TO A RISER WITHOUT PERFORATIONS AND ACTS AS THE PRIMARY SPILLWAY. THE SKIMMER BMP SYMBOL SHALL BE SHOWN IN CONJUNCTION WITH THE TEMPORARY SEDIMENT BASIN BMP SYMBOL WHEN APPLICABLE. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION.
	SYMBOL Sk		
Sr	TEMPORARY STREAM CROSSING SECTION 107		A TEMPORARY STRUCTURE INSTALLED ACROSS A FLOWING STREAM OR WATERCOURSE FOR USE BY CONSTRUCTION EQUIPMENT. THIS BMP PROVIDES A MEANS TO CROSS STREAMS OR WATERCOURSES WITHOUT MOVING SEDIMENT INTO STREAMS, DAMAGING THE STREAM BED OR CHANNEL, OR CAUSING FLOODING. THIS BMP SHOULD NOT BE USED ON STREAMS WITH DRAINAGE AREAS GREATER THAN ONE SQUARE MILE, UNLESS SPECIFICALLY DESIGNED TO ACCOMMODATE THE ADDITIONAL DRAINAGE AREA BY THE DESIGN PROFESSIONAL. A CERTIFICATION STATEMENT AND SIGNATURE SHALL ACCOMPANY THE DESIGN. THIS BMP SHALL BE DESIGNED ACCORDING TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". FOR CONTRACTOR'S USE ONLY!
	SYMBOL Sr		

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

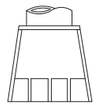
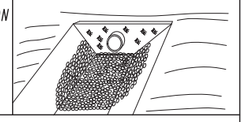
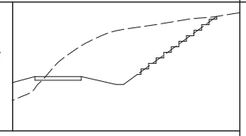
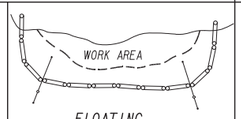
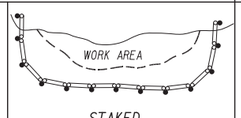
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REVISION DATES
3/2/2017
11/28/2018

EROSION CONTROL LEGEND
UNIFORM CODE SHEET
SHEET 6 OF 7

CHECKED:	D. EAGLETON	DATE: 01/01/16	DRAWING No.
BACKCHECKED:		DATE:	52-0006
CORRECTED:		DATE:	
VERIFIED:		DATE:	

7/31/2015 GPLN

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
St	STORM DRAIN OUTLET PROTECTION GA. STD. 1125 & 2332	 SYMBOL St	A PIPE OR BOX CULVERT OUTLET HEADWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. IT IS USED ON THE OUTLET OF ALL BOX CULVERTS AND ON 48" AND LARGER PIPES. MAY BE USED ON INLET FOR FLOWING STREAMS. USE ON SMALL PIPES WHEN OUTLET VELOCITY OF THE 25-YEAR STORM IS 12 fps AND GREATER.
St-Rp	STORM DRAIN OUTLET PROTECTION (RIP-RAP) CONSTRUCTION DETAIL D-55 SECTION 603	 PATTERN FLAT AREA St-Rp OR St-Rp WELL-DEFINED CHANNEL	RIP-RAP OUTLET PROTECTION IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE, CHANNEL, OR STRUCTURE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. THE MINIMUM DESIGN OF RIP-RAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM PEAK FLOW, BUT LARGER STORMS ARE RECOMMENDED. TYPE-1 RIP-RAP AT A DEPTH OF 36" AND PLACED ON FILTER FABRIC IS PREFERRED FOR ALL d50 </= 1.2 FEET. TYPE-3 RIP-RAP AT A DEPTH OF 18" AND PLACED ON FILTER FABRIC MAY BE USED FOR d50 </= 0.7 FEET. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR REQUIRED DESIGN DIMENSIONS AND OTHER INFORMATION TO BE INCLUDED IN THE PLANS.
Su	SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL S-7 SECTION 205	 LINE CODE Su	PROVIDING A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS, BY OPERATING A CLEATED DOZER ON THE SLOPE IN A VERTICAL DIRECTION. CREATING SERRATED SLOPES IN THE GRADING PROCESS TO CONSTRUCT BENCHES WILL REDUCE RUNOFF VELOCITY AND INCREASE INFILTRATION OF WATER. IN MOST CASES THIS BMP IS NOT REQUIRED TO BE SHOWN ON THE PLANS, BUT REQUIRED TO BE COMPLETED BY THE CONTRACTOR UNDER ALL PROJECTS. IF SERRATED SLOPES ARE SPECIFIED BY THE SOIL SURVEY, THEN THIS BMP SHALL BE SHOWN ON THE PLANS WHERE SERRATED SLOPES ARE TO BE USED.
Tc-F	TURBIDITY CURTAIN FLOATING CONSTRUCTION DETAIL D-51 SECTION 170	 WORK AREA FLOATING LINE CODE Tc-F	A FLOATING TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED WHERE CONSTRUCTION IS REQUIRED IN A LARGE BODY OF WATER SUCH AS LAKES AND RIVERS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY ALSO BE REFERRED TO AS A FLOATING BOOM, SILT BARRIER, OR SILT CURTAIN.
Tc-S	TURBIDITY CURTAIN STAKED CONSTRUCTION DETAIL D-51 SECTION 170	 WORK AREA STAKED LINE CODE Tc-S	A STAKED TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED IN SHALLOW INUNDATED AREAS. IT MAY BE USED TO PROTECT A SMALL STREAM BEING REALIGNED OR RESTORED. IN THIS CASE, CURTAIN SHOULD EXTEND TO BOTTOM OF STREAMBED. THE HEIGHT SHOULD BE LIMITED TO 5 FEET UNLESS DIRECTED AND EXTEND 2 FEET ABOVE NORMAL WATER ELEVATION. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY BE REFERRED TO AS A SILT BARRIER OR SILT CURTAIN.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

NO SCALE

REVISION DATES
3/2/2017

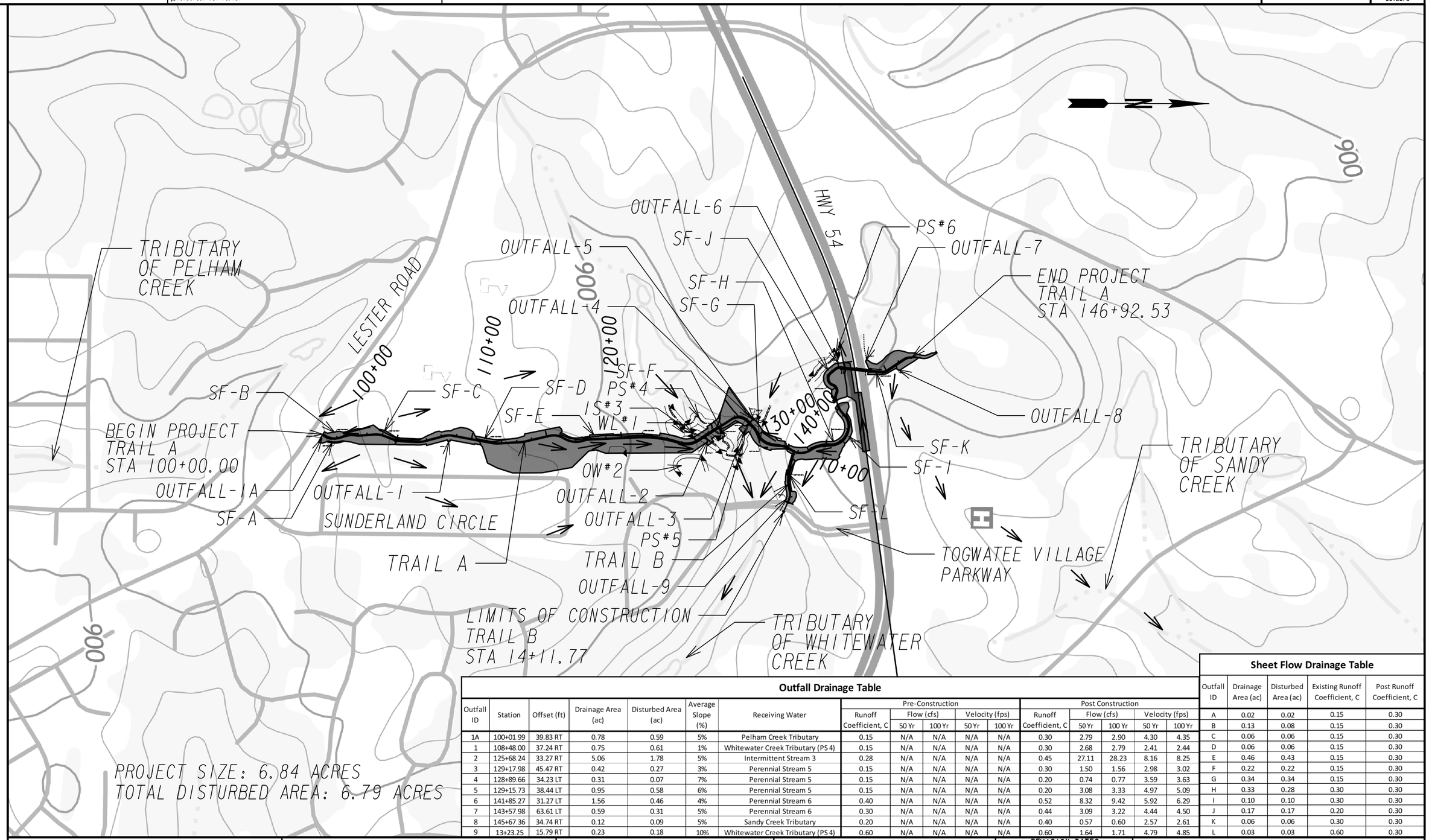
EROSION CONTROL LEGEND

UNIFORM CODE SHEET

SHEET 7 OF 7

CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 52-0007



Outfall Drainage Table

Outfall ID	Station	Offset (ft)	Drainage Area (ac)	Disturbed Area (ac)	Average Slope (%)	Receiving Water	Pre-Construction					Post Construction				
							Runoff Coefficient, C	Flow (cfs)		Velocity (fps)		Runoff Coefficient, C	Flow (cfs)		Velocity (fps)	
								50 Yr	100 Yr	50 Yr	100 Yr		50 Yr	100 Yr	50 Yr	100 Yr
1A	100+01.99	39.83 RT	0.78	0.59	5%	Pelham Creek Tributary	0.15	N/A	N/A	N/A	N/A	0.30	2.79	2.90	4.30	4.35
1	108+48.00	37.24 RT	0.75	0.61	1%	Whitewater Creek Tributary (PS 4)	0.15	N/A	N/A	N/A	N/A	0.30	2.68	2.79	2.41	2.44
2	125+68.24	33.27 RT	5.06	1.78	5%	Intermittent Stream 3	0.28	N/A	N/A	N/A	N/A	0.45	27.11	28.23	8.16	8.25
3	129+17.98	45.47 RT	0.42	0.27	3%	Perennial Stream 5	0.15	N/A	N/A	N/A	N/A	0.30	1.50	1.56	2.98	3.02
4	128+89.66	34.23 LT	0.31	0.07	7%	Perennial Stream 5	0.15	N/A	N/A	N/A	N/A	0.20	0.74	0.77	3.59	3.63
5	129+15.73	38.44 LT	0.95	0.58	6%	Perennial Stream 5	0.15	N/A	N/A	N/A	N/A	0.20	3.08	3.33	4.97	5.09
6	141+85.27	31.27 LT	1.56	0.46	4%	Perennial Stream 6	0.40	N/A	N/A	N/A	N/A	0.52	8.32	9.42	5.92	6.29
7	143+57.98	63.61 LT	0.59	0.31	5%	Perennial Stream 6	0.30	N/A	N/A	N/A	N/A	0.44	3.09	3.22	4.44	4.50
8	145+67.36	34.74 RT	0.12	0.09	5%	Sandy Creek Tributary	0.20	N/A	N/A	N/A	N/A	0.40	0.57	0.60	2.57	2.61
9	13+23.25	15.79 RT	0.23	0.18	10%	Whitewater Creek Tributary (PS 4)	0.60	N/A	N/A	N/A	N/A	0.60	1.64	1.71	4.79	4.85

Sheet Flow Drainage Table

Outfall ID	Drainage Area (ac)	Disturbed Area (ac)	Existing Runoff Coefficient, C	Post Runoff Coefficient, C
A	0.02	0.02	0.15	0.30
B	0.13	0.08	0.15	0.30
C	0.06	0.06	0.15	0.30
D	0.06	0.06	0.15	0.30
E	0.46	0.43	0.15	0.30
F	0.22	0.22	0.15	0.30
G	0.34	0.34	0.15	0.30
H	0.33	0.28	0.30	0.30
I	0.10	0.10	0.30	0.30
J	0.17	0.17	0.20	0.30
K	0.06	0.06	0.30	0.30
L	0.03	0.03	0.60	0.30

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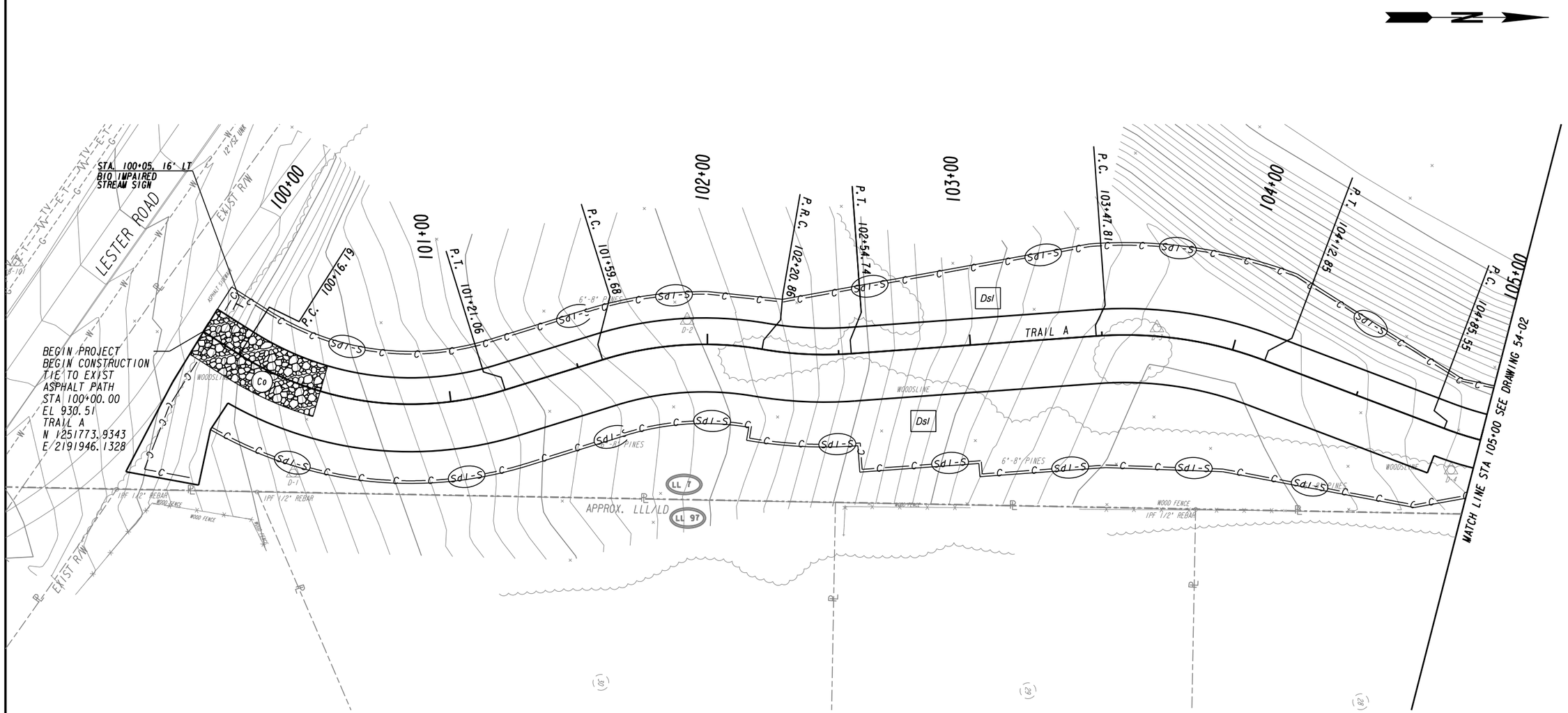
SCALE IN FEET 0 300 600 1200

REVISION DATES

EROSION CONTROL DRAINAGE AREA MAP

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		53-0001
CORRECTED:		DATE:		
VERIFIED:		DATE:		



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS	BLA
END LIMIT OF ACCESS	ELA
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS	
ORANGE BARRIER FENCE	

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SCALE IN FEET
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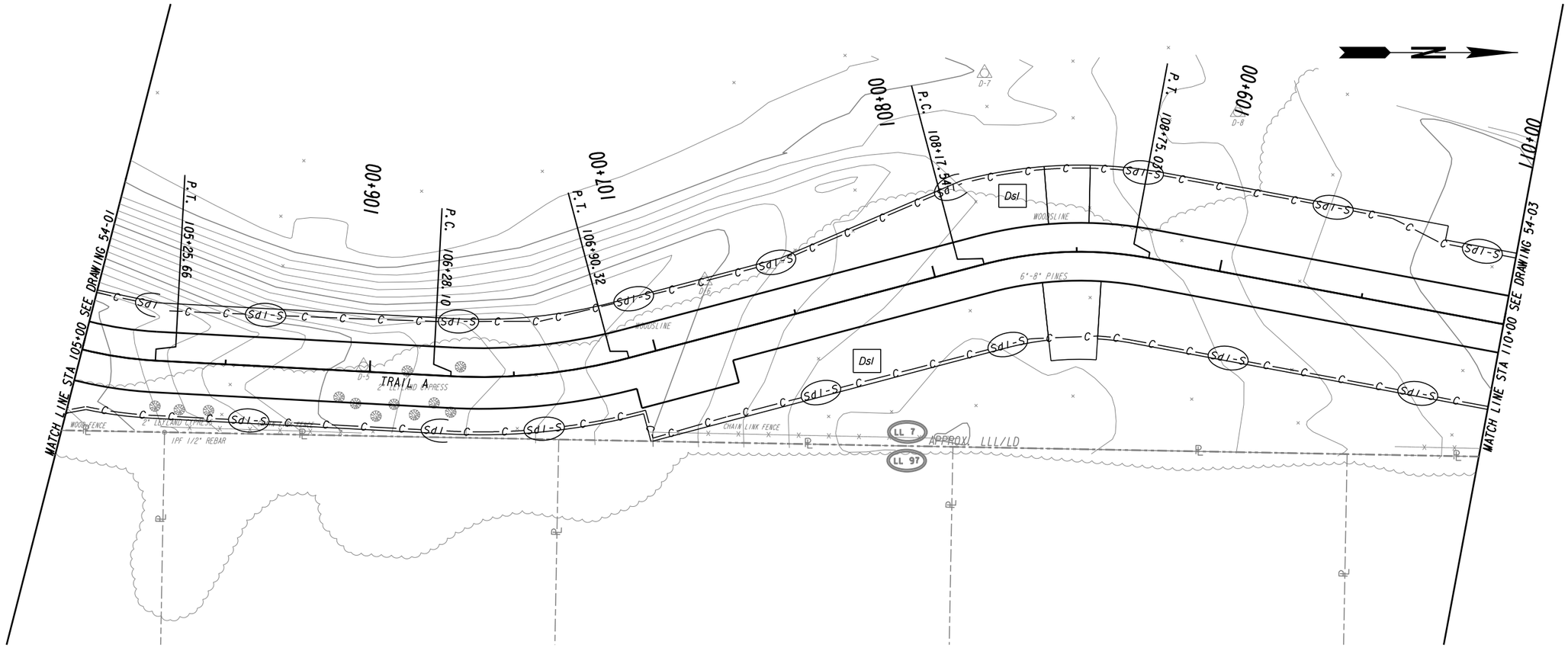
REVISION DATES

BMP LOCATION DETAILS
PHASE 1A

SR 54 MULTI-USE TRAIL & BRIDGE

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CORRECTED:		DATE:		54-0001
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7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
EASEMENT FOR CONSTR OF DRIVES	ORANGE BARRIER FENCE

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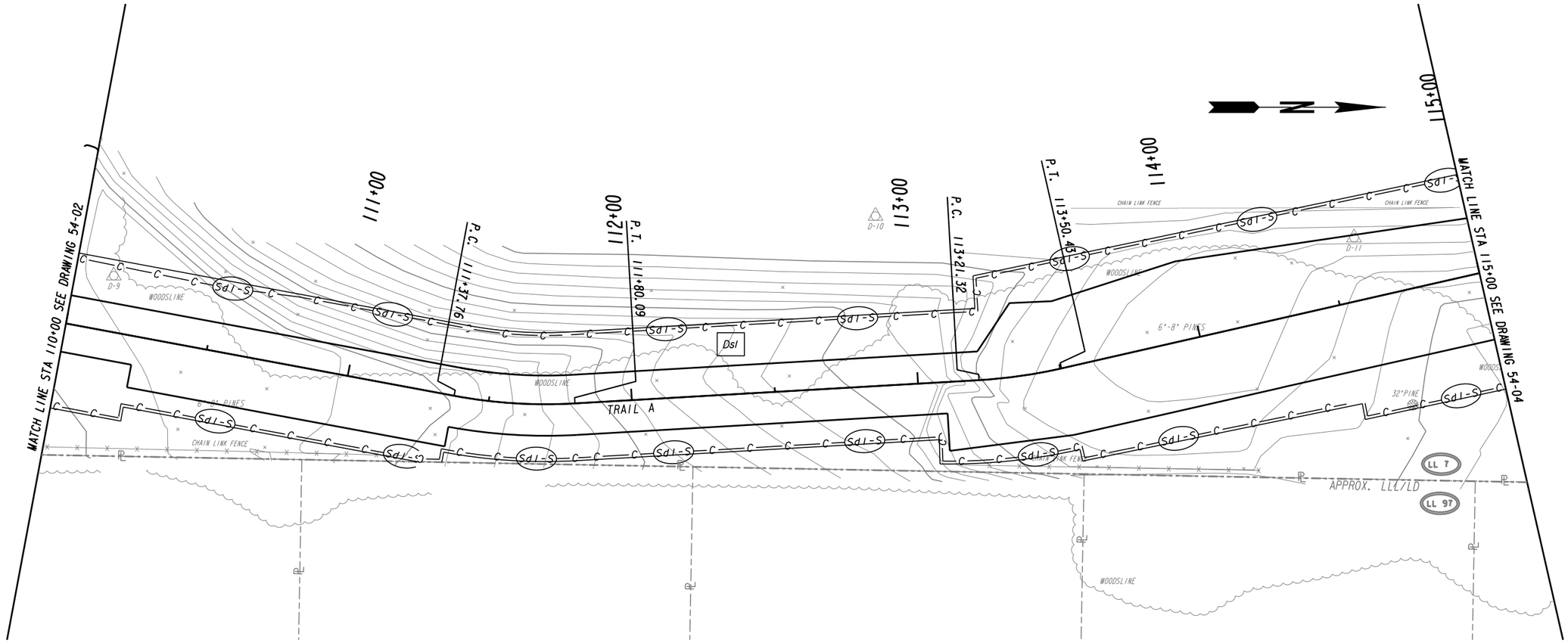
SCALE IN FEET
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REVISION DATES

BMP LOCATION DETAILS
PHASE 1A
SR 54 MULTI-USE TRAIL & BRIDGE

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7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
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EASEMENT FOR CONSTR OF DRIVES	ORANGE BARRIER FENCE

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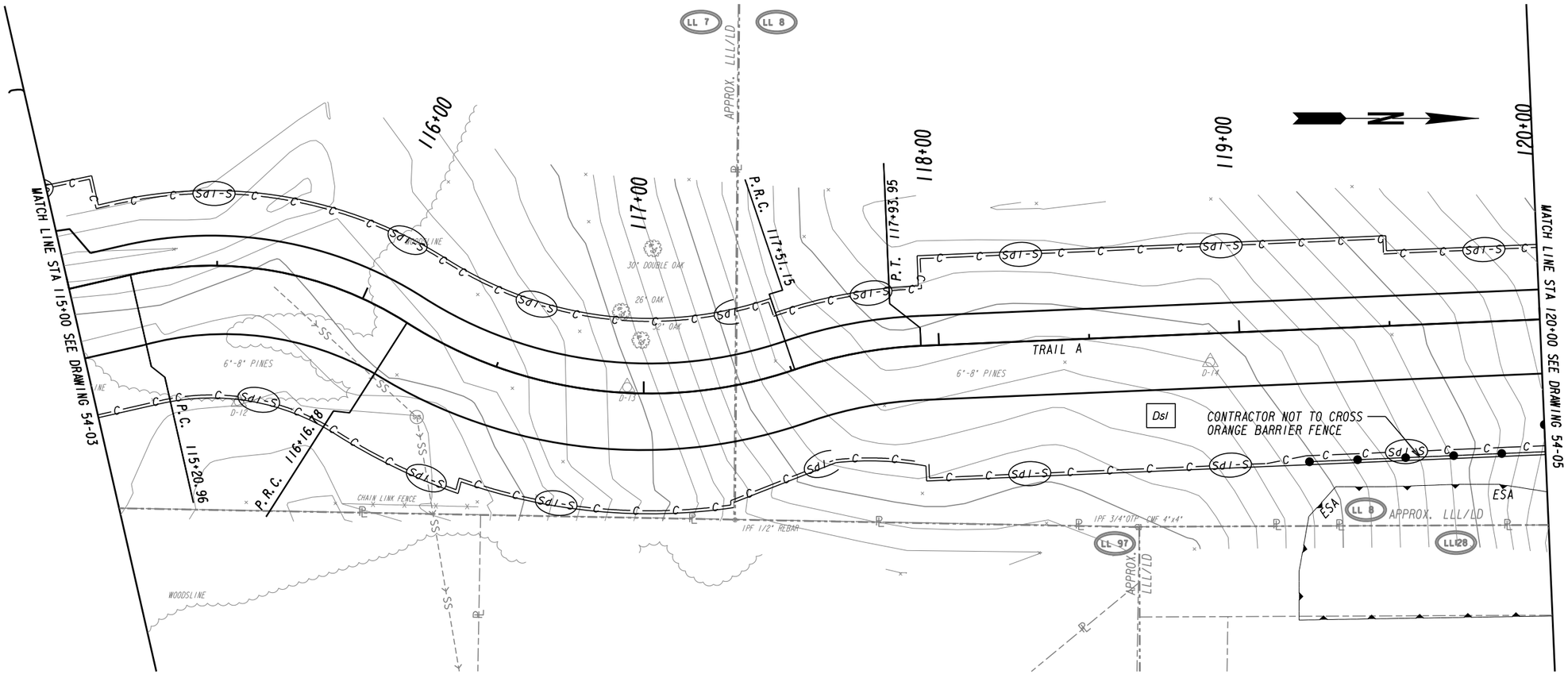
SCALE IN FEET
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REVISION DATES		

BMP LOCATION DETAILS
PHASE 1A
SR 54 MULTI-USE TRAIL & BRIDGE

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7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
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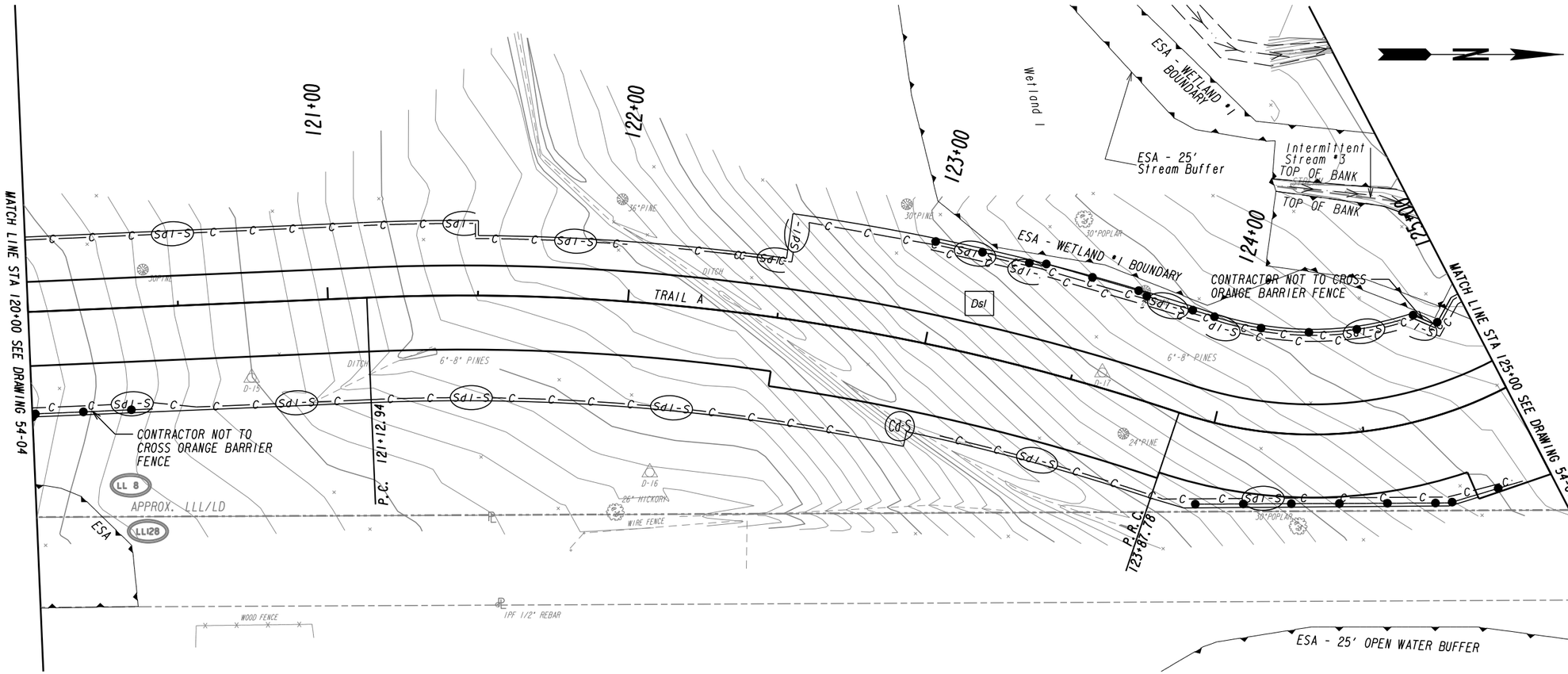
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REVISION DATES

BMP LOCATION DETAILS
PHASE 1A
SR 54 MULTI-USE TRAIL & BRIDGE

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7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
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EASEMENT FOR CONSTR OF DRIVES

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ORANGE BARRIER FENCE

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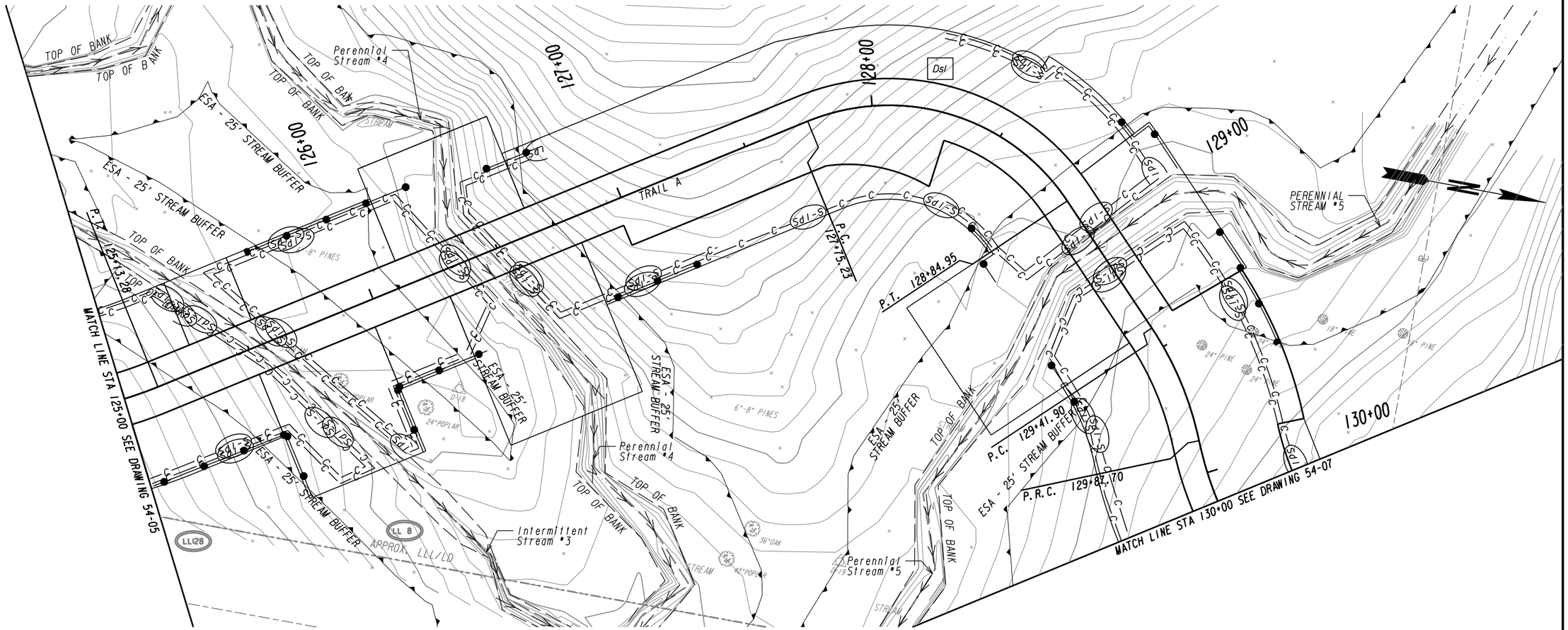
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REVISION DATES

BMP LOCATION DETAILS
PHASE 1A
SR 54 MULTI-USE TRAIL & BRIDGE

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7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
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CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
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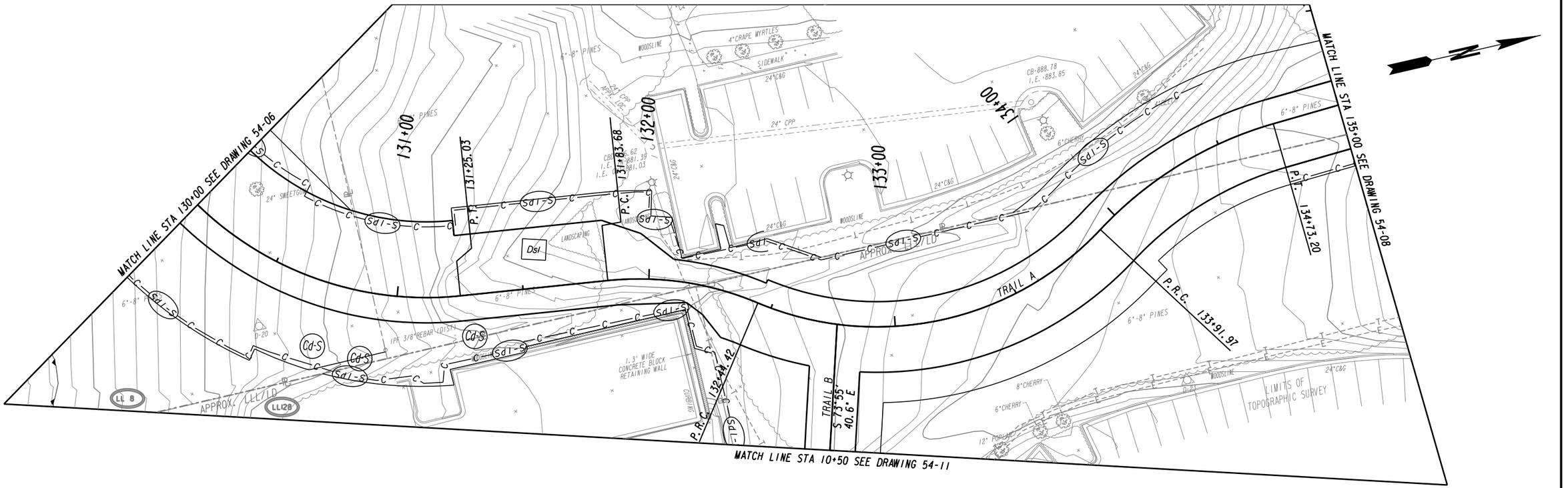
SCALE IN FEET
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REVISION DATES

BMP LOCATION DETAILS
PHASE 1A
SR 54 MULTI-USE TRAIL & BRIDGE

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7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
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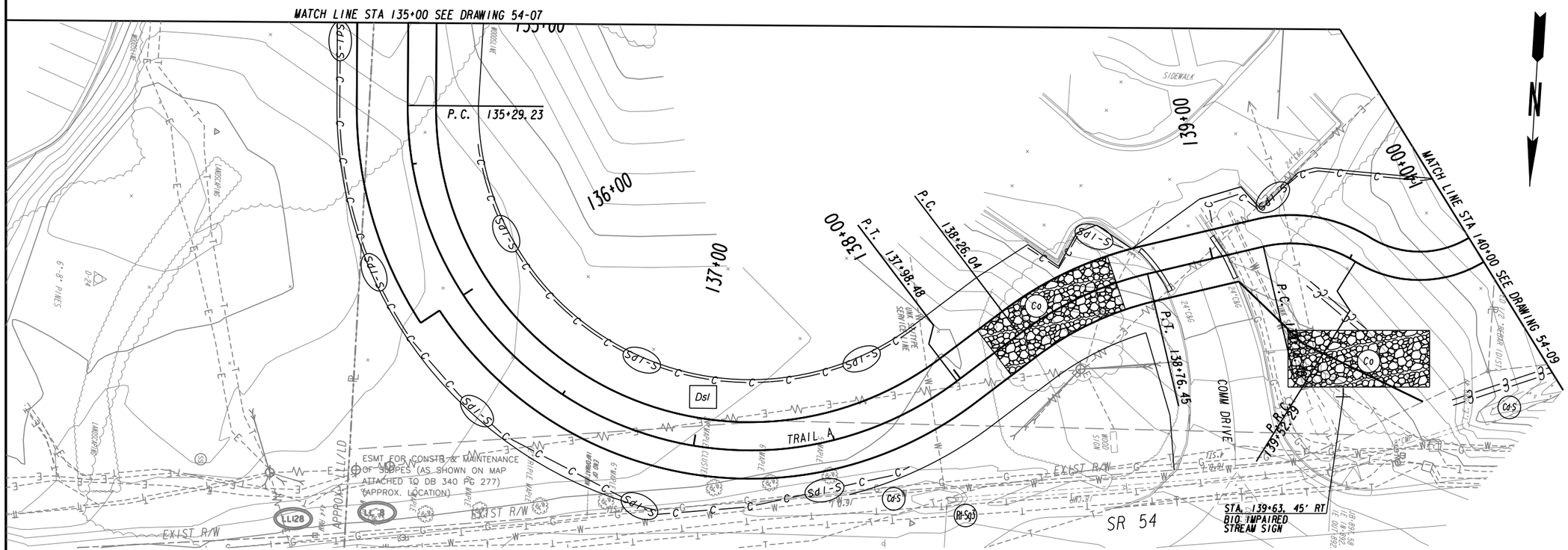
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REVISION DATES		

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PHASE 1A
SR 54 MULTI-USE TRAIL & BRIDGE

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7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
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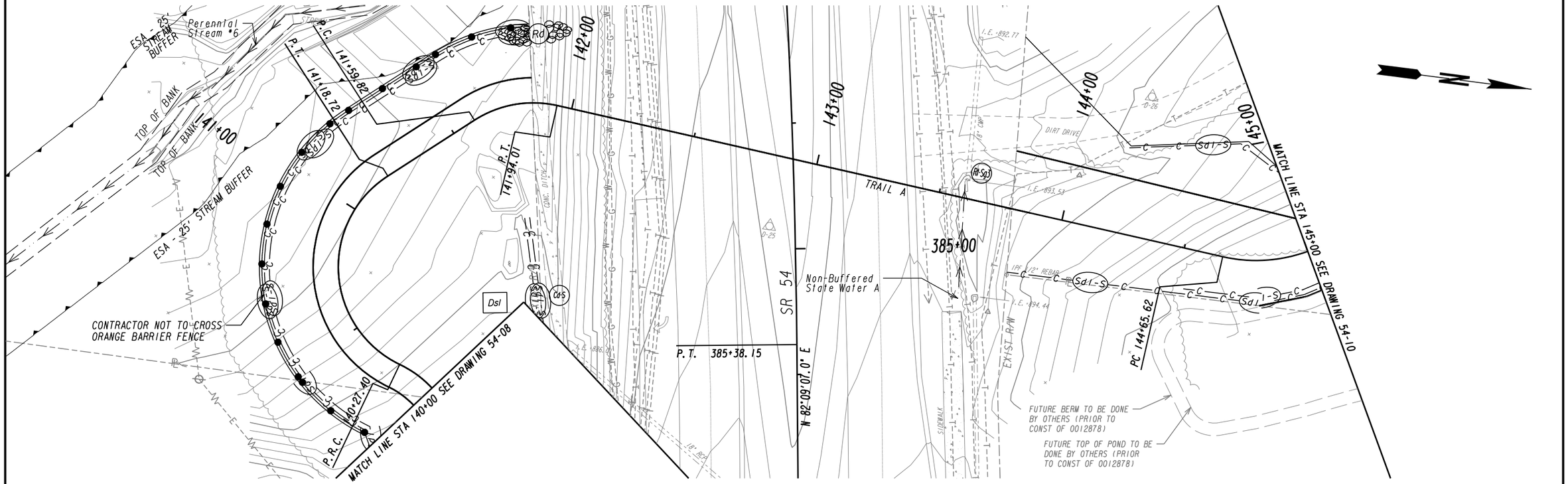
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REVISION DATES

BMP LOCATION DETAILS
PHASE 1A
SR 54 MULTI-USE TRAIL & BRIDGE

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7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
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EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
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ORANGE BARRIER FENCE

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REVISION DATES

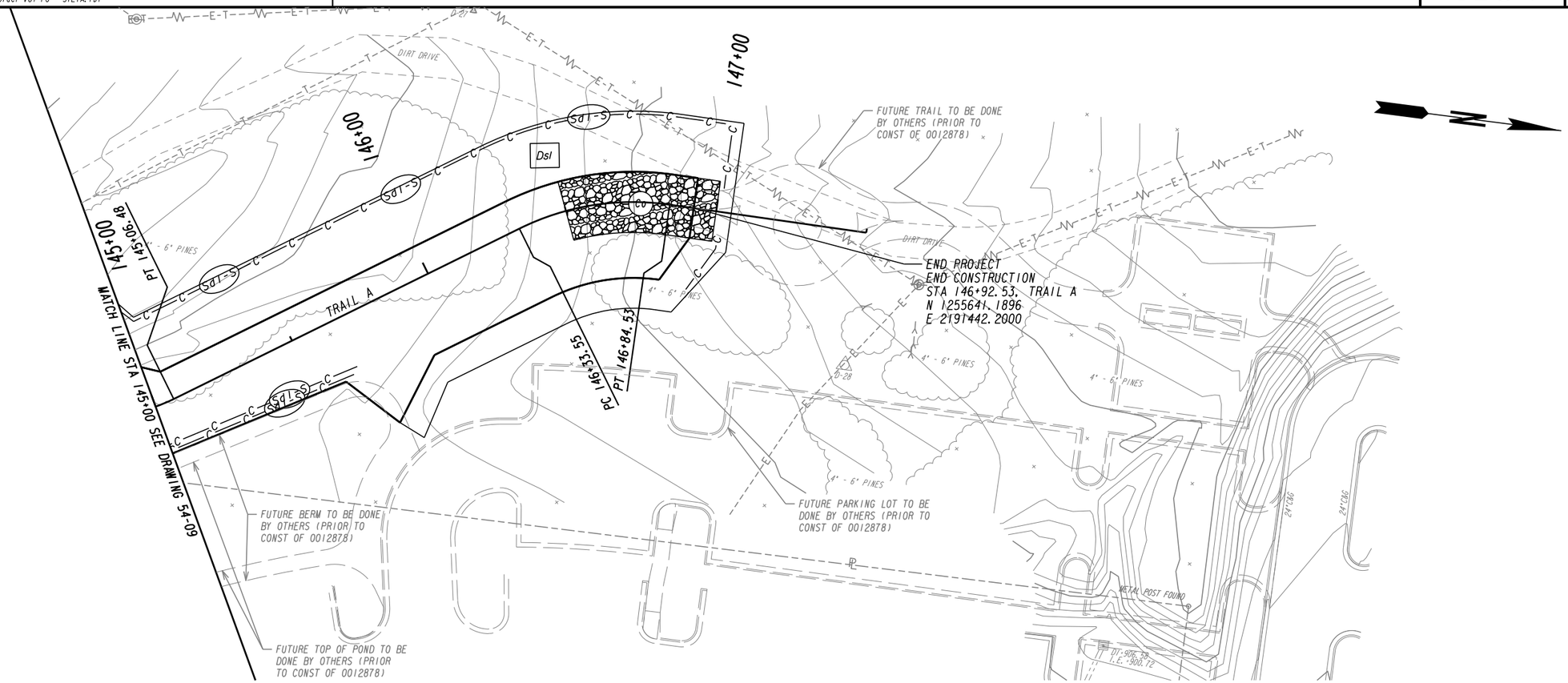
BMP LOCATION DETAILS

PHASE 1A

SR 54 MULTI-USE TRAIL & BRIDGE

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7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
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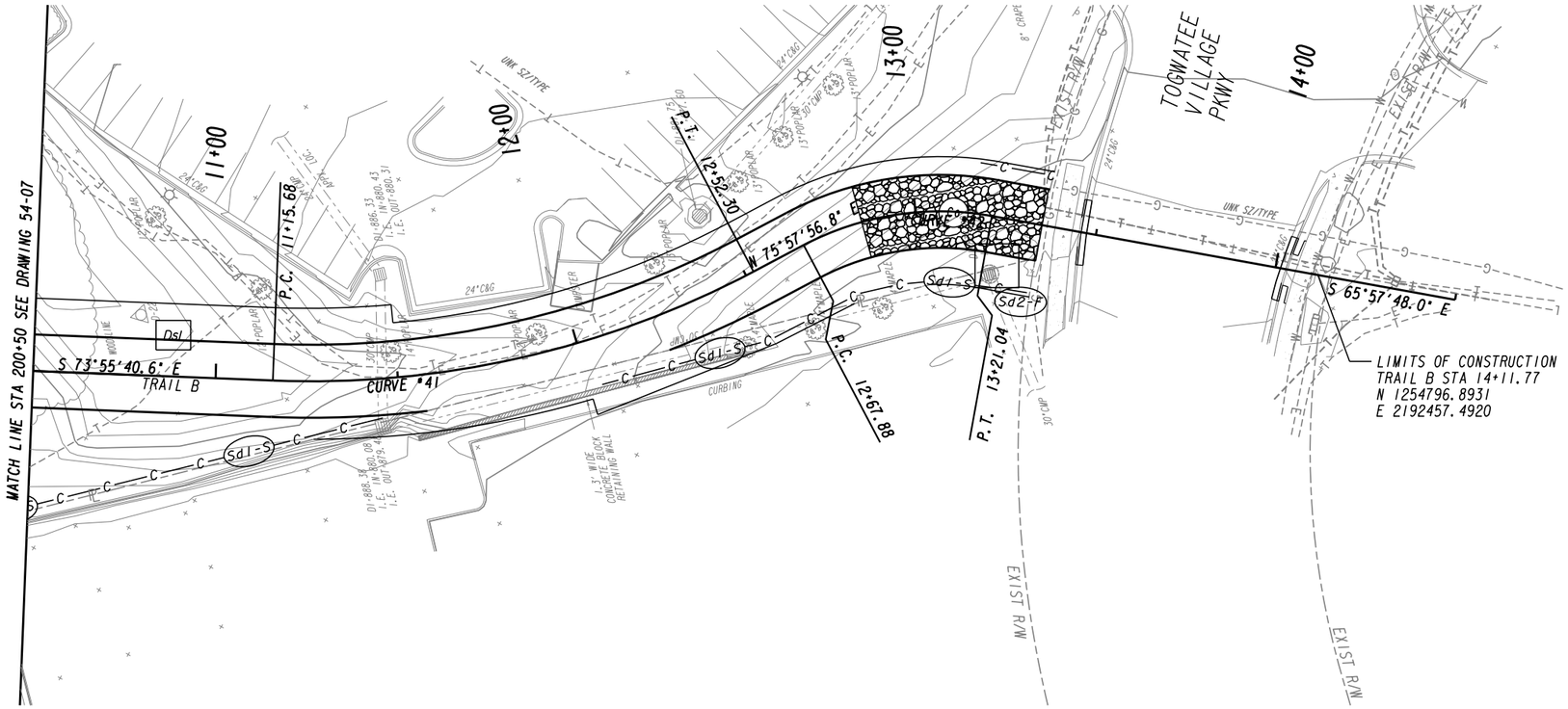
SCALE IN FEET
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REVISION DATES

BMP LOCATION DETAILS
PHASE 1A
SR 54 MULTI-USE TRAIL & BRIDGE

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7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
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ORANGE BARRIER FENCE

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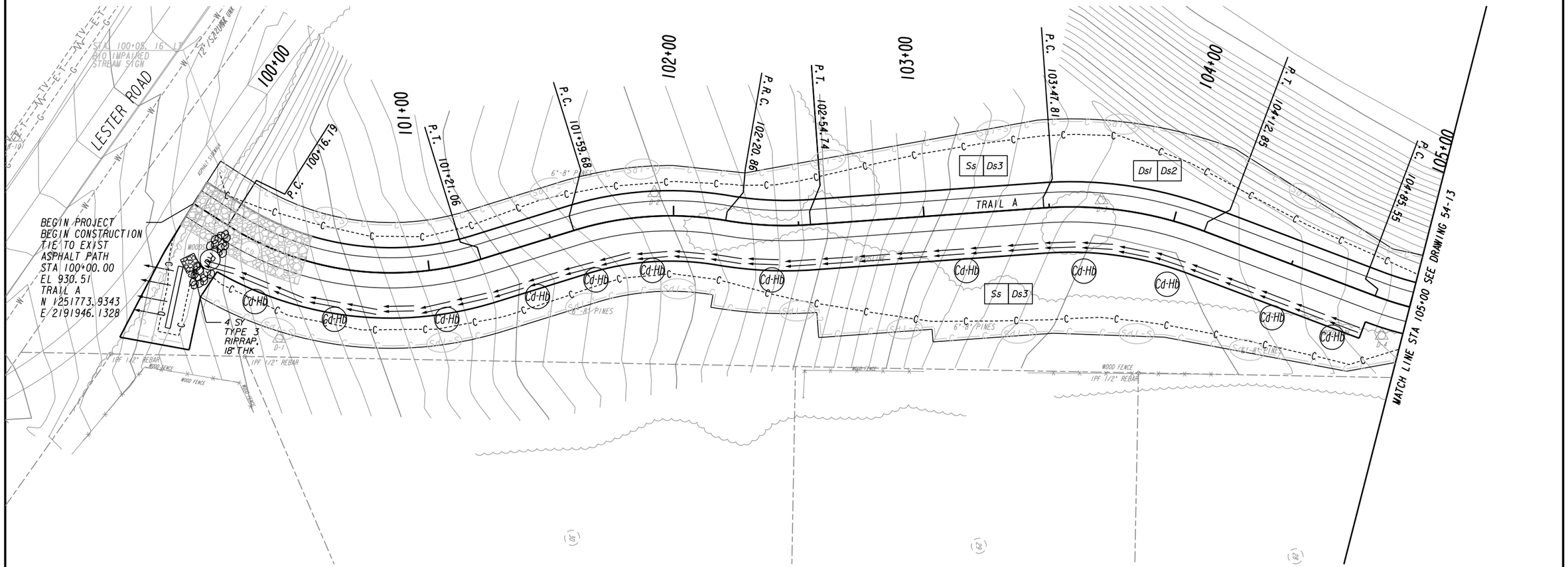
SCALE IN FEET
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REVISION DATES

BMP LOCATION DETAILS
PHASE 1A
SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
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VERIFIED:		DATE:		

7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
EASEMENT FOR CONSTR OF DRIVES	ORANGE BARRIER FENCE

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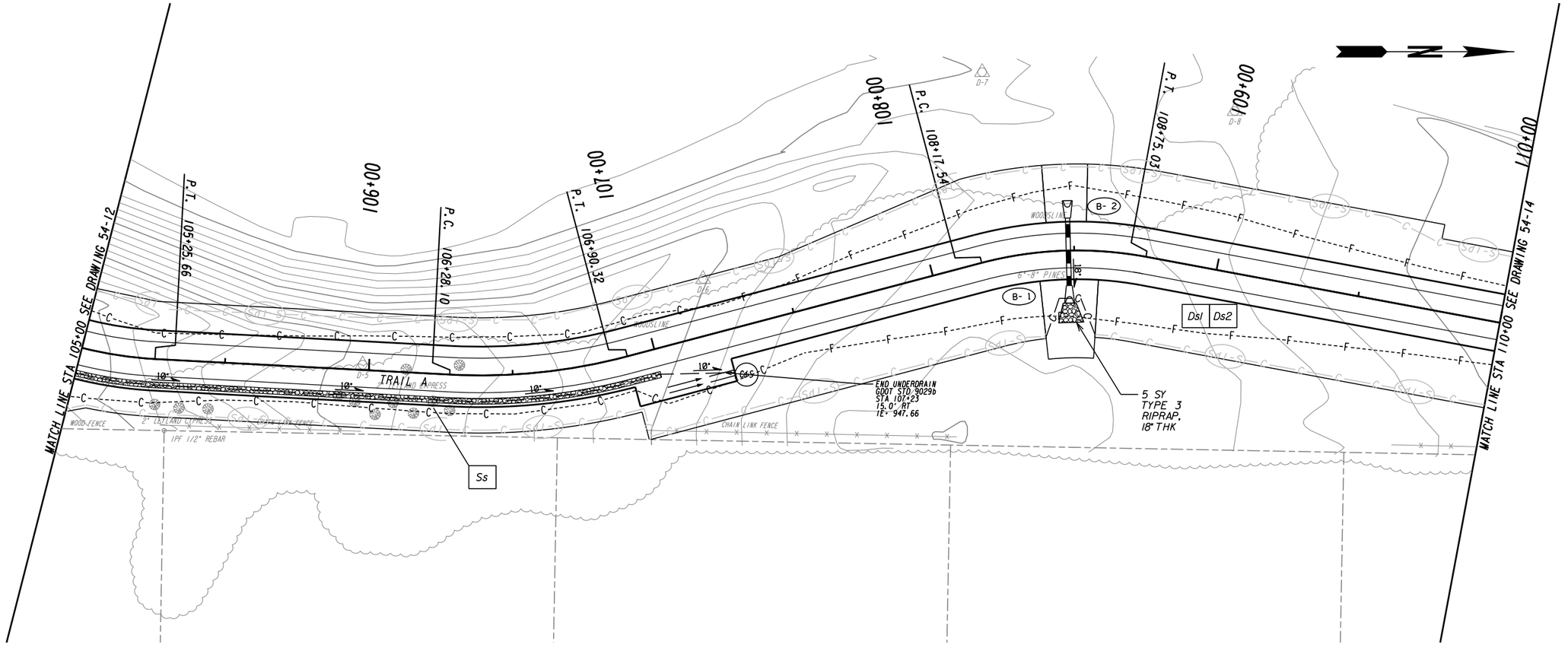
REVISION DATES		

BMP LOCATION DETAILS
PHASE I

SR 54 MULTI-USE TRAIL & BRIDGE

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CORRECTED:		DATE:		54-0012
VERIFIED:		DATE:		

7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
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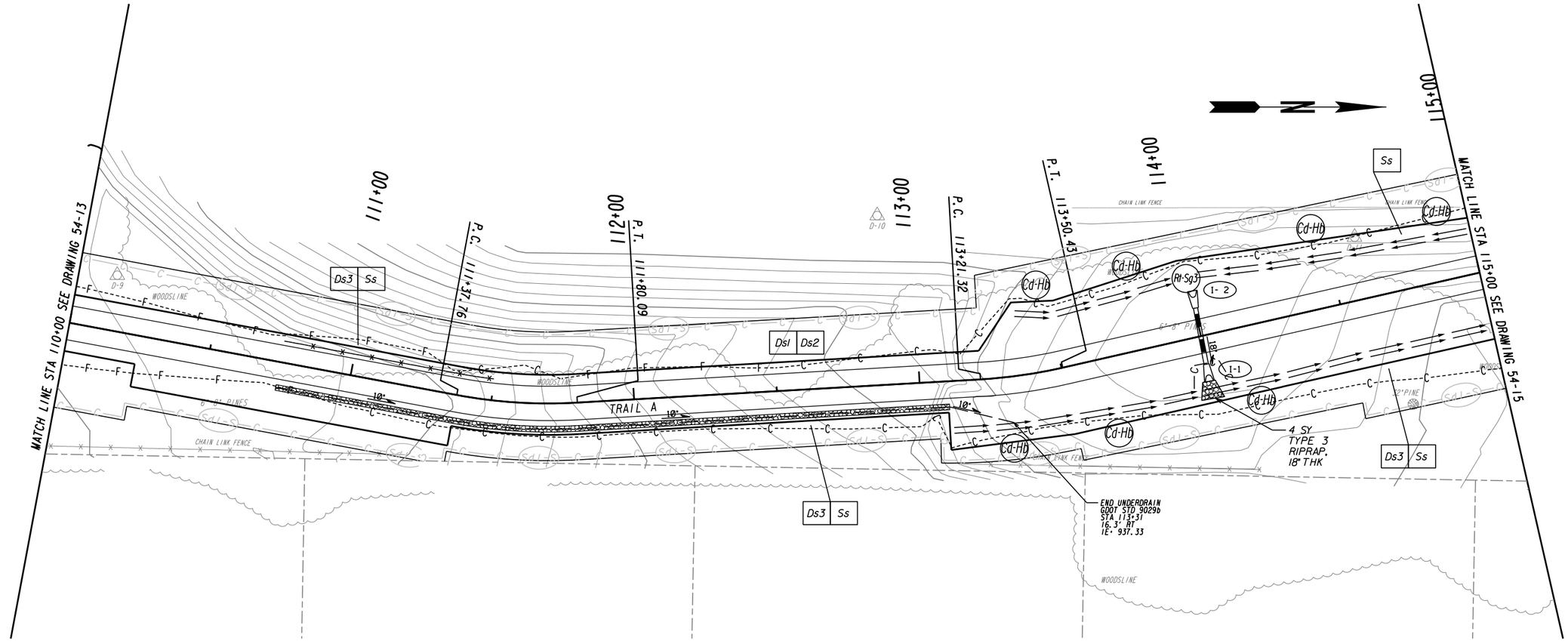
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REVISION DATES

BMP LOCATION DETAILS
PHASE I
SR 54 MULTI-USE TRAIL & BRIDGE

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CORRECTED:		DATE:		54-0013
VERIFIED:		DATE:		

7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
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EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
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REVISION DATES

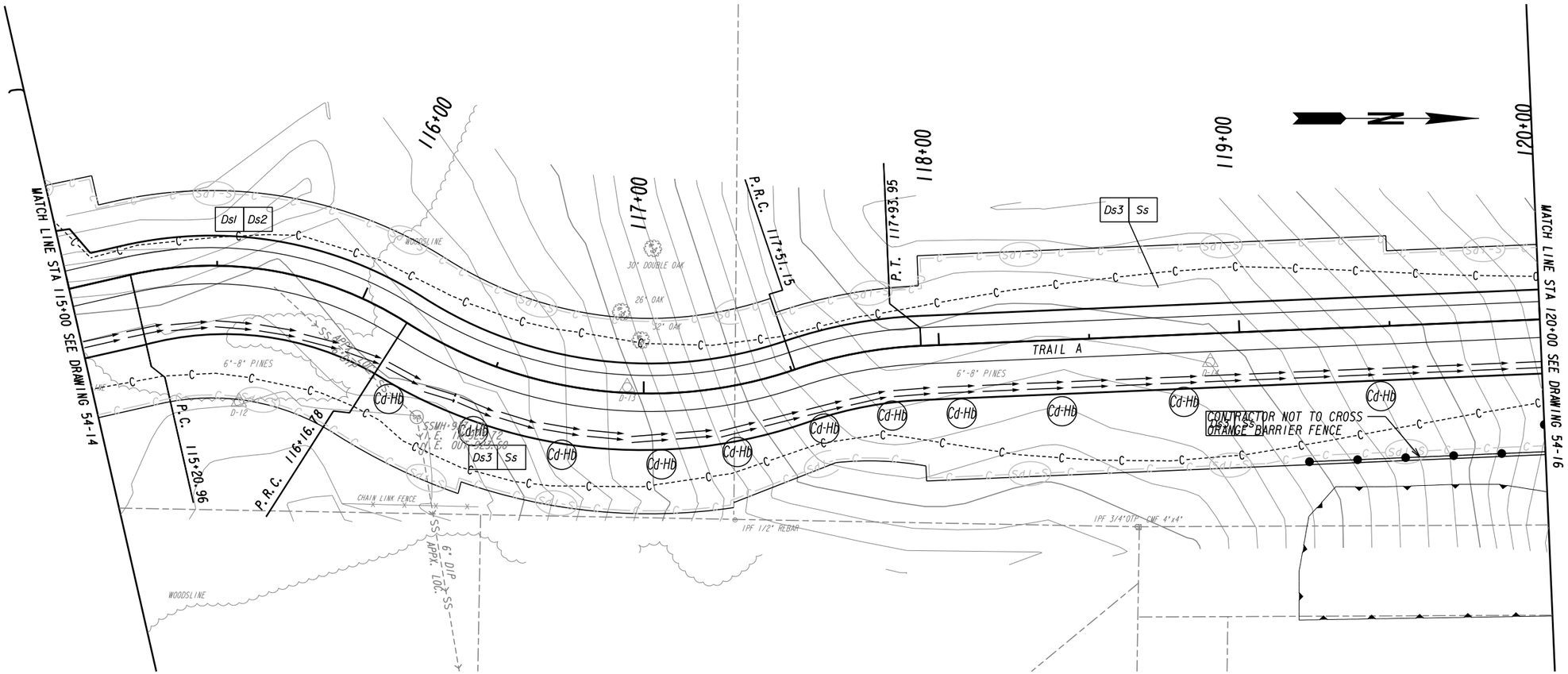
BMP LOCATION DETAILS

PHASE 1

SR 54 MULTI-USE TRAIL & BRIDGE

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BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0014
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7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
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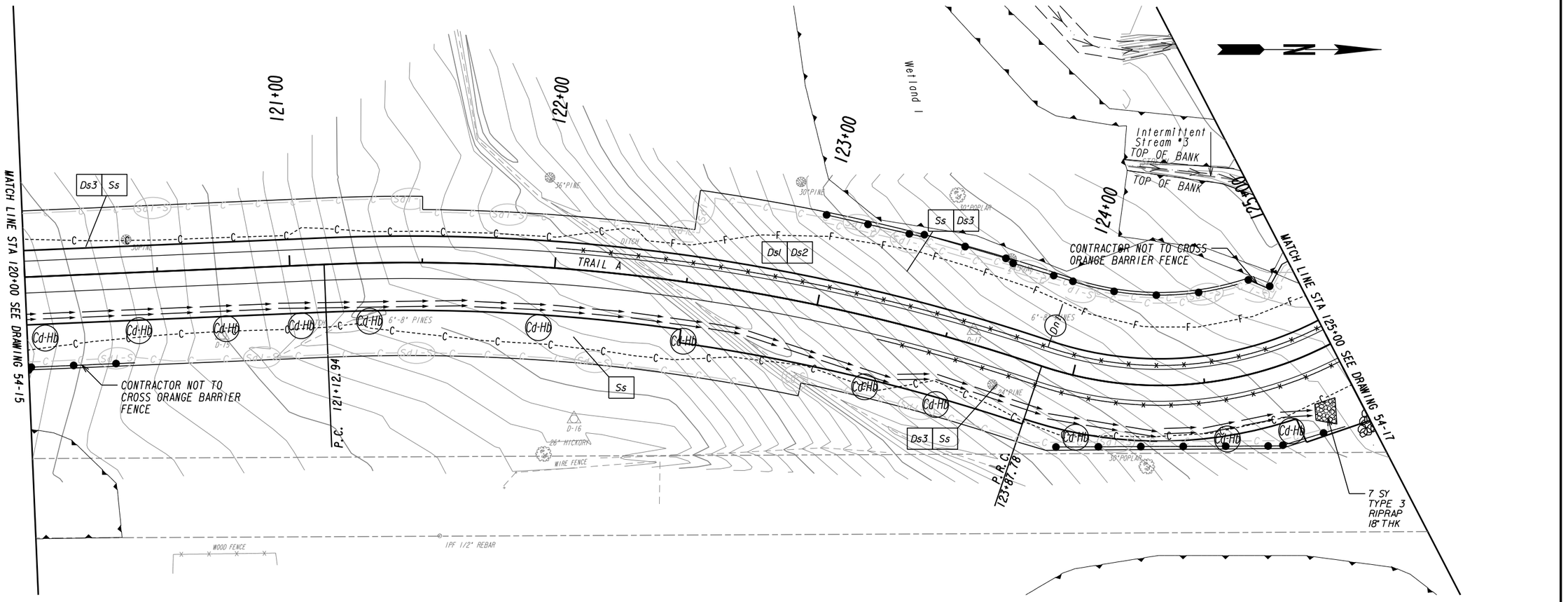
SCALE IN FEET
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REVISION DATES

BMP LOCATION DETAILS
PHASE I
SR 54 MULTI-USE TRAIL & BRIDGE

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7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
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REVISION DATES

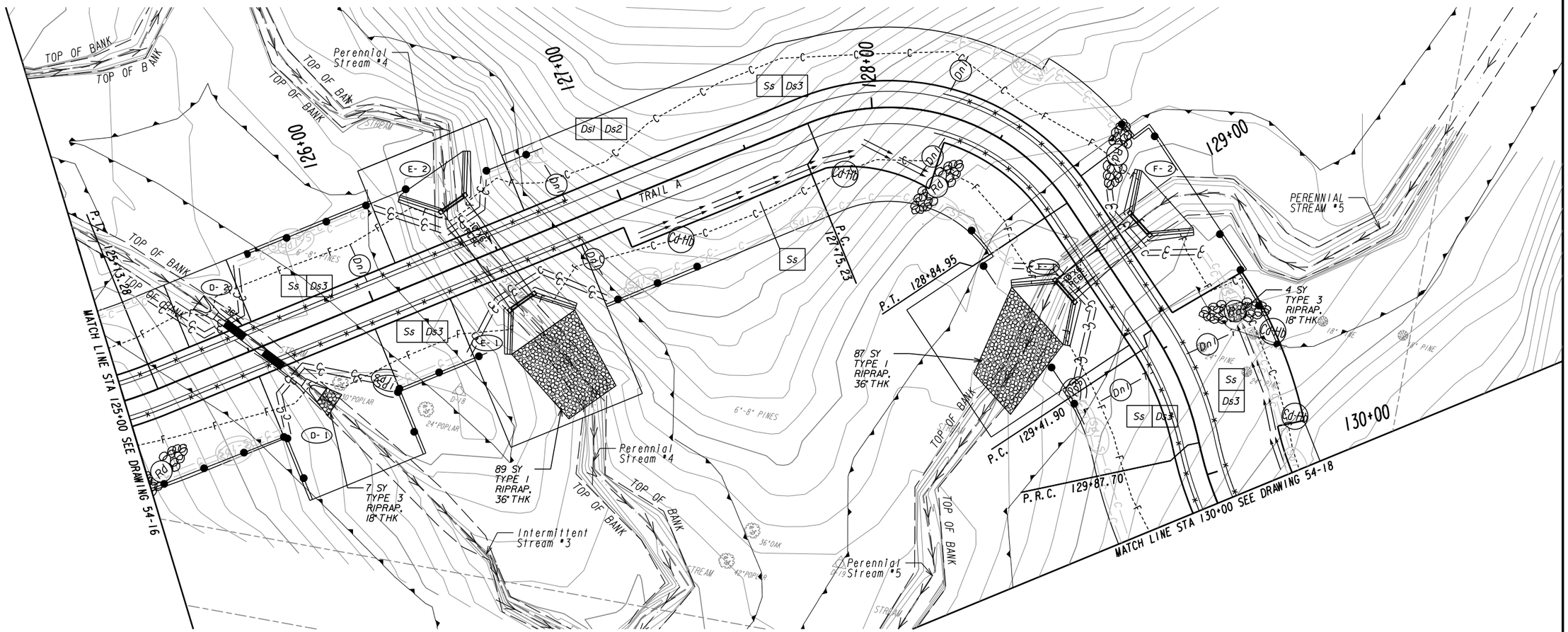
BMP LOCATION DETAILS

PHASE 1

SR 54 MULTI-USE TRAIL & BRIDGE

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CORRECTED:		DATE:		54-0016
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7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
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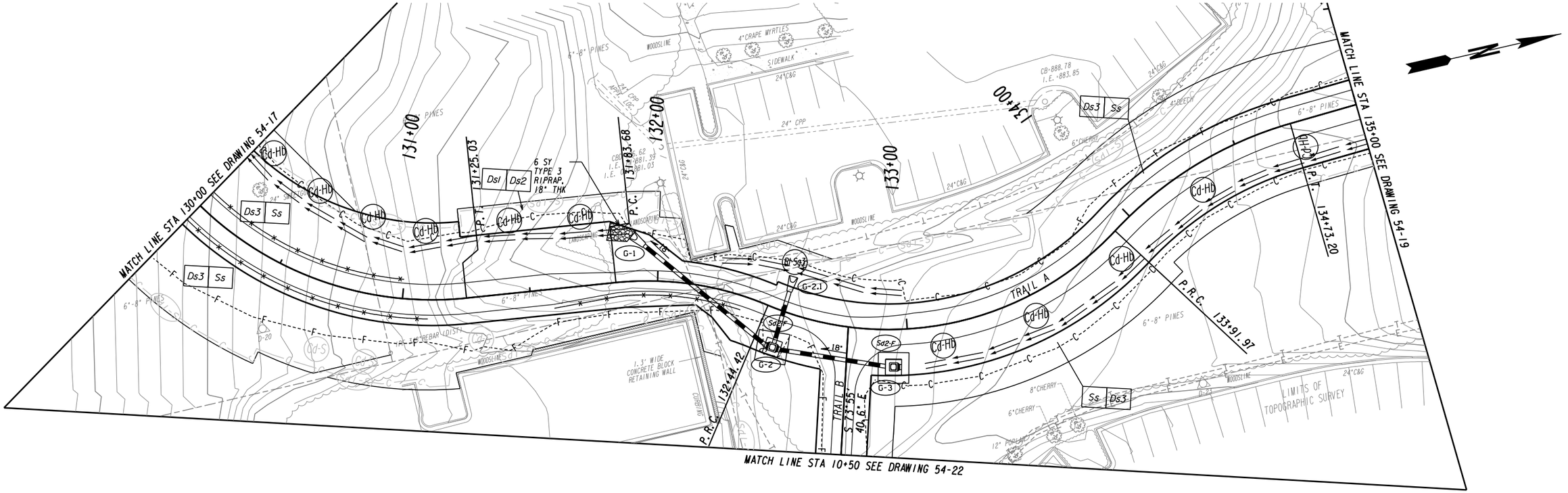
SCALE IN FEET
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REVISION DATES

BMP LOCATION DETAILS
PHASE 1
SR 54 MULTI-USE TRAIL & BRIDGE

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7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
EASEMENT FOR CONSTR OF DRIVES	ORANGE BARRIER FENCE

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

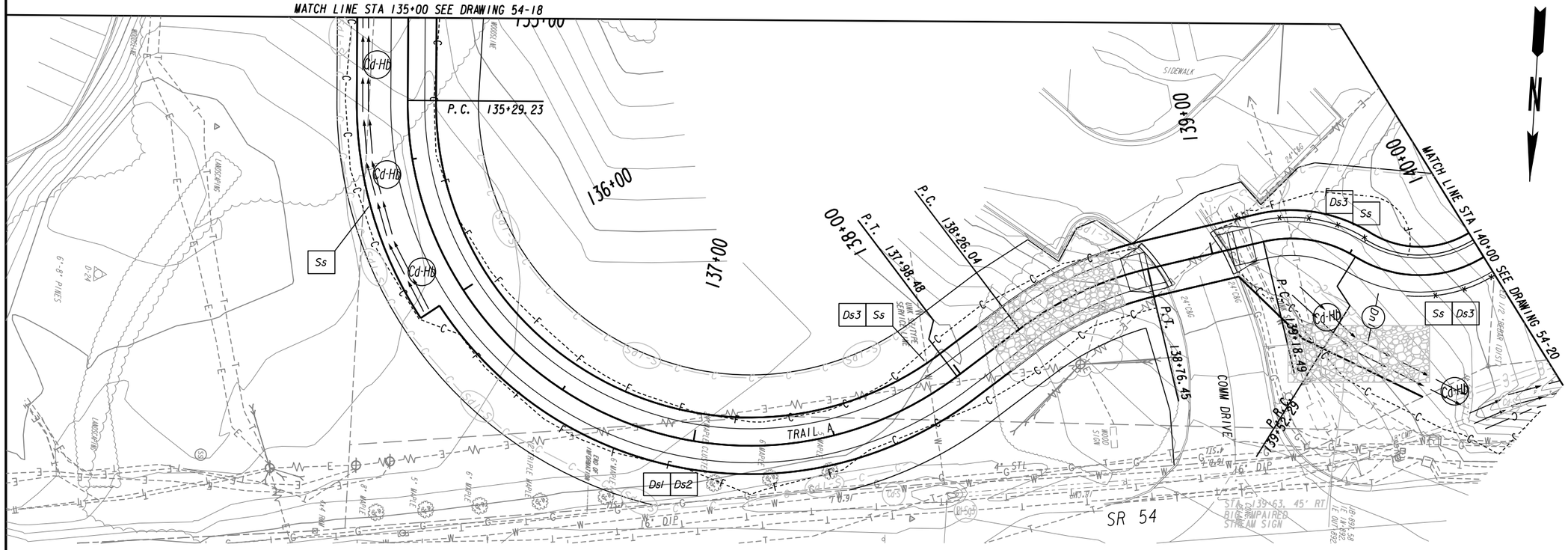
SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
PHASE I
SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0018
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
EASEMENT FOR CONSTR OF DRIVES	ORANGE BARRIER FENCE

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

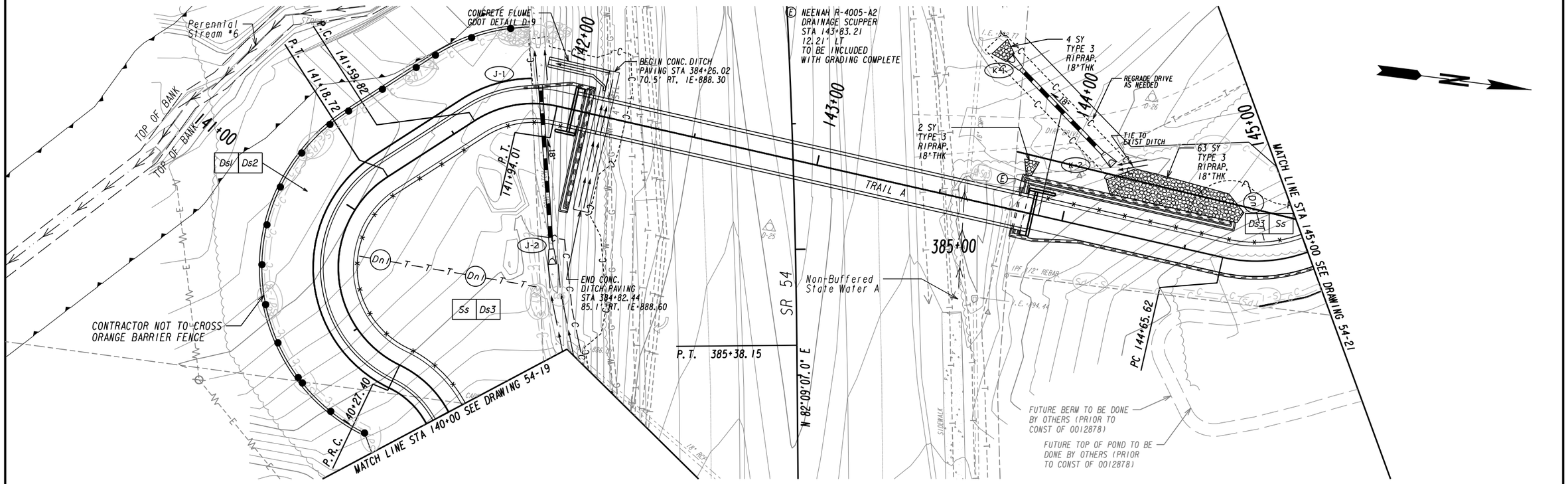
SCALE IN FEET
0 20 40 80

REVISION DATES		

BMP LOCATION DETAILS
PHASE I
SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0019
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
ORANGE BARRIER FENCE

GEORGIA DEPARTMENT OF TRANSPORTATION

AECOM

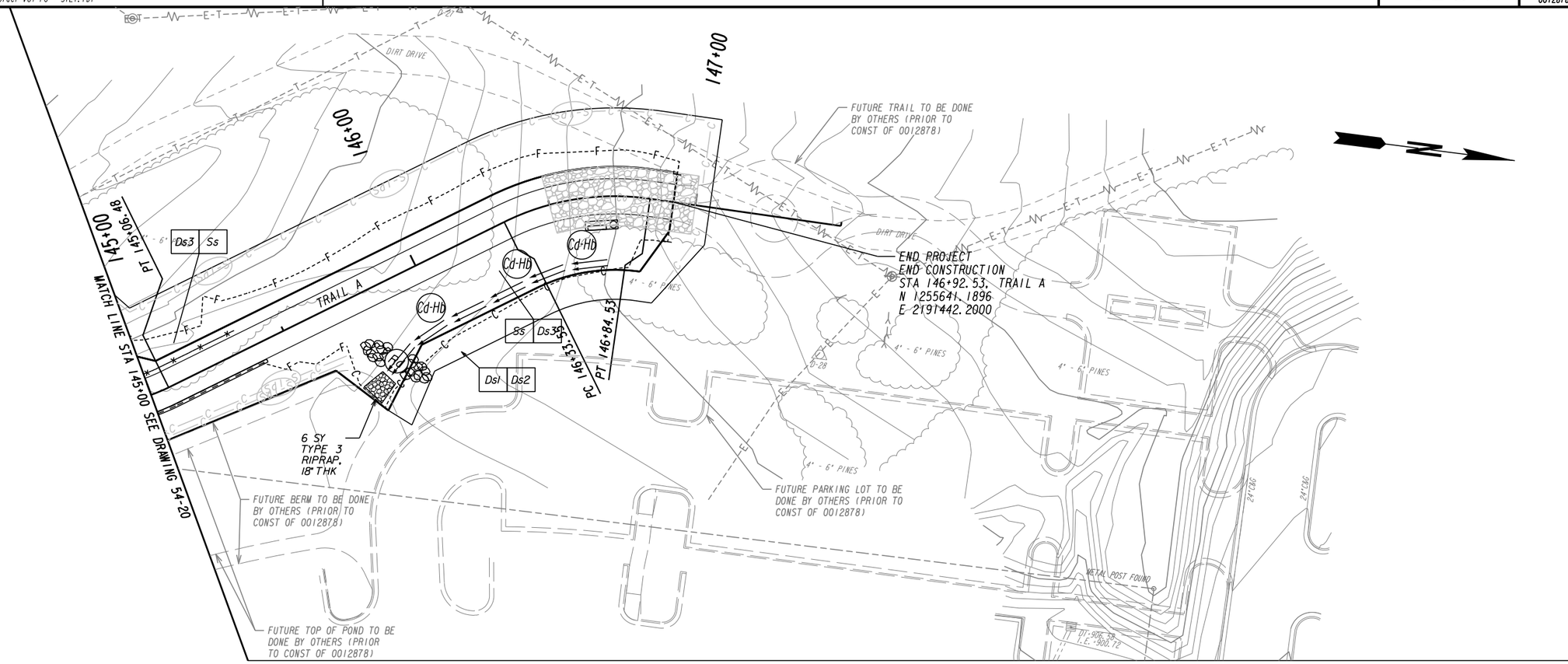
SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
PHASE I
SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0020
VERIFIED:		DATE:		

7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
ORANGE BARRIER FENCE

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

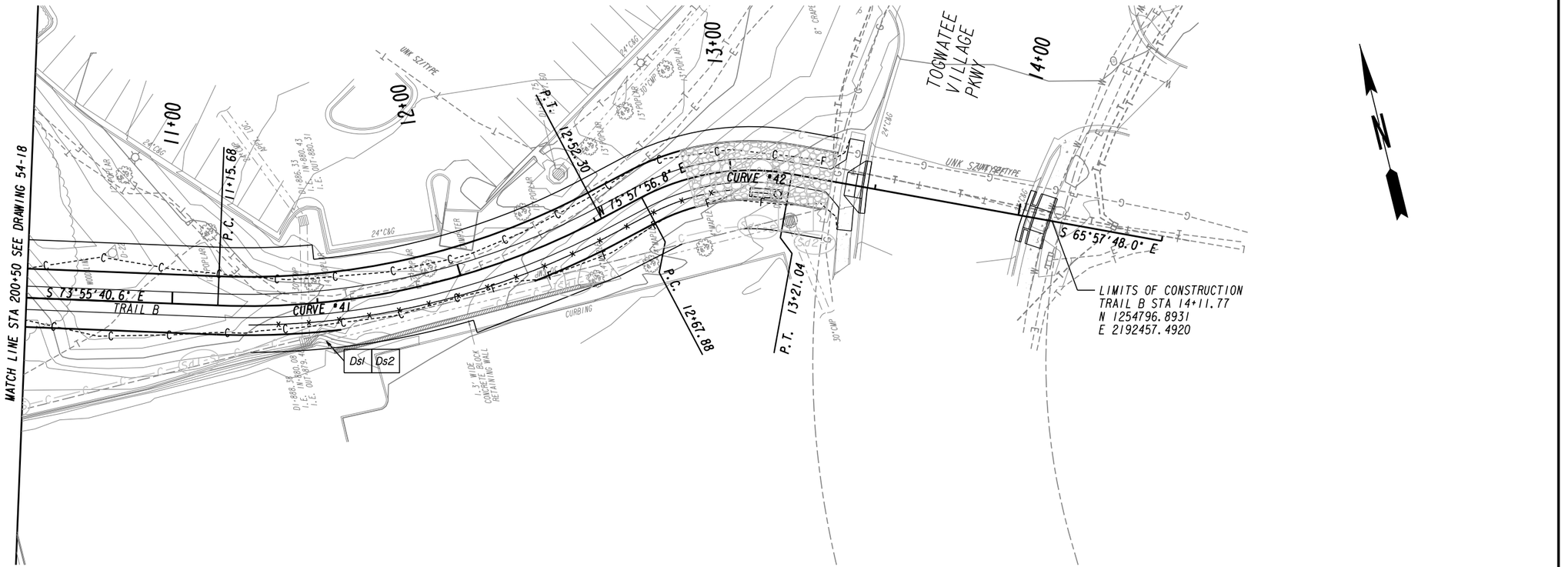
SCALE IN FEET
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REVISION DATES

BMP LOCATION DETAILS
PHASE I
SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0021
VERIFIED:		DATE:		

7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
ORANGE BARRIER FENCE

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

SCALE IN FEET
0 20 40 80

REVISION DATES

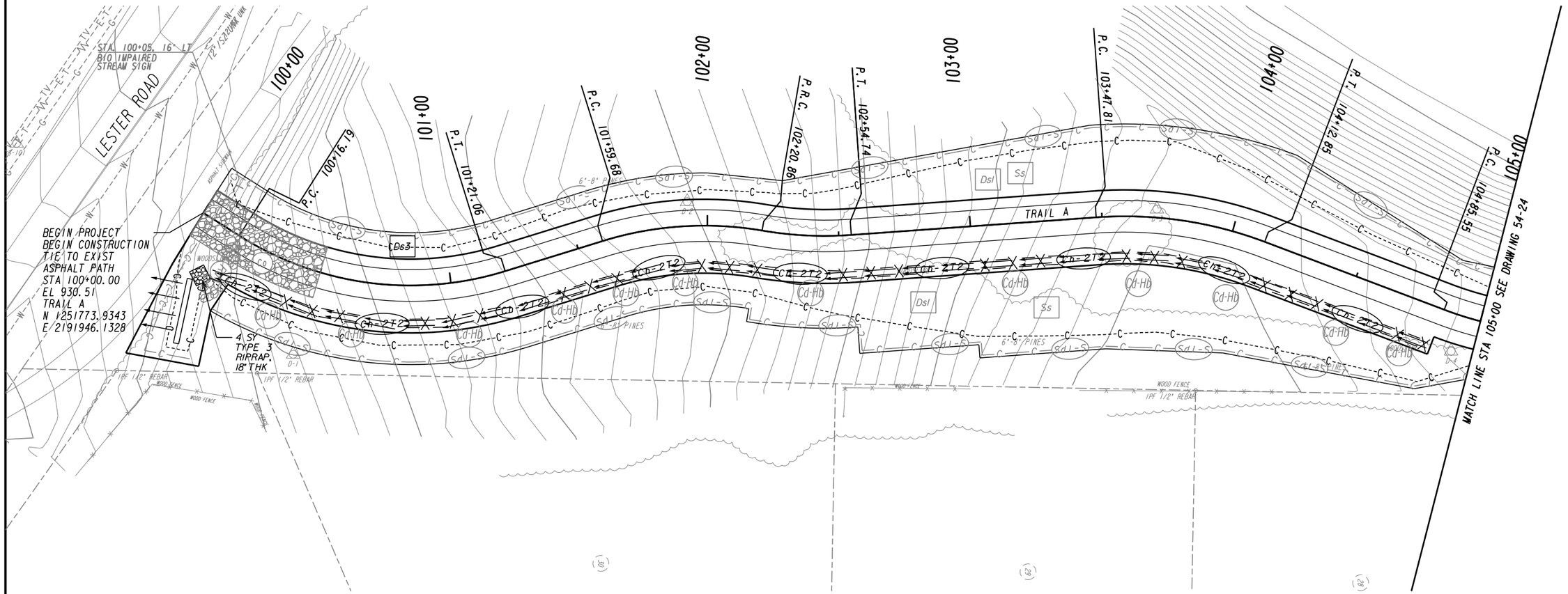
BMP LOCATION DETAILS

PHASE I

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0022
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
EASEMENT FOR CONSTR OF DRIVES	ORANGE BARRIER FENCE

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

SCALE IN FEET
0 20 40 80

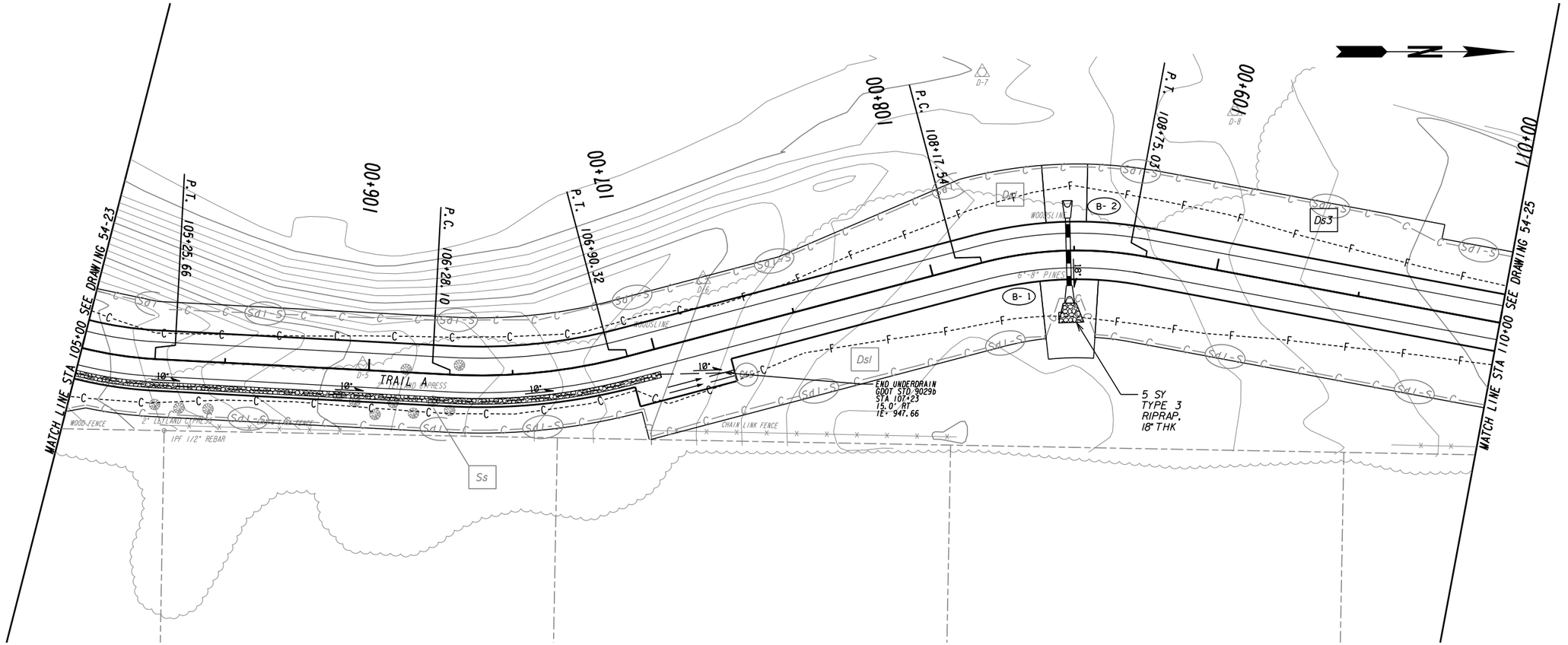
REVISION DATES		

BMP LOCATION DETAILS
PHASE 2

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0023
VERIFIED:		DATE:		

7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
EASEMENT FOR CONSTR OF DRIVES	ORANGE BARRIER FENCE

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

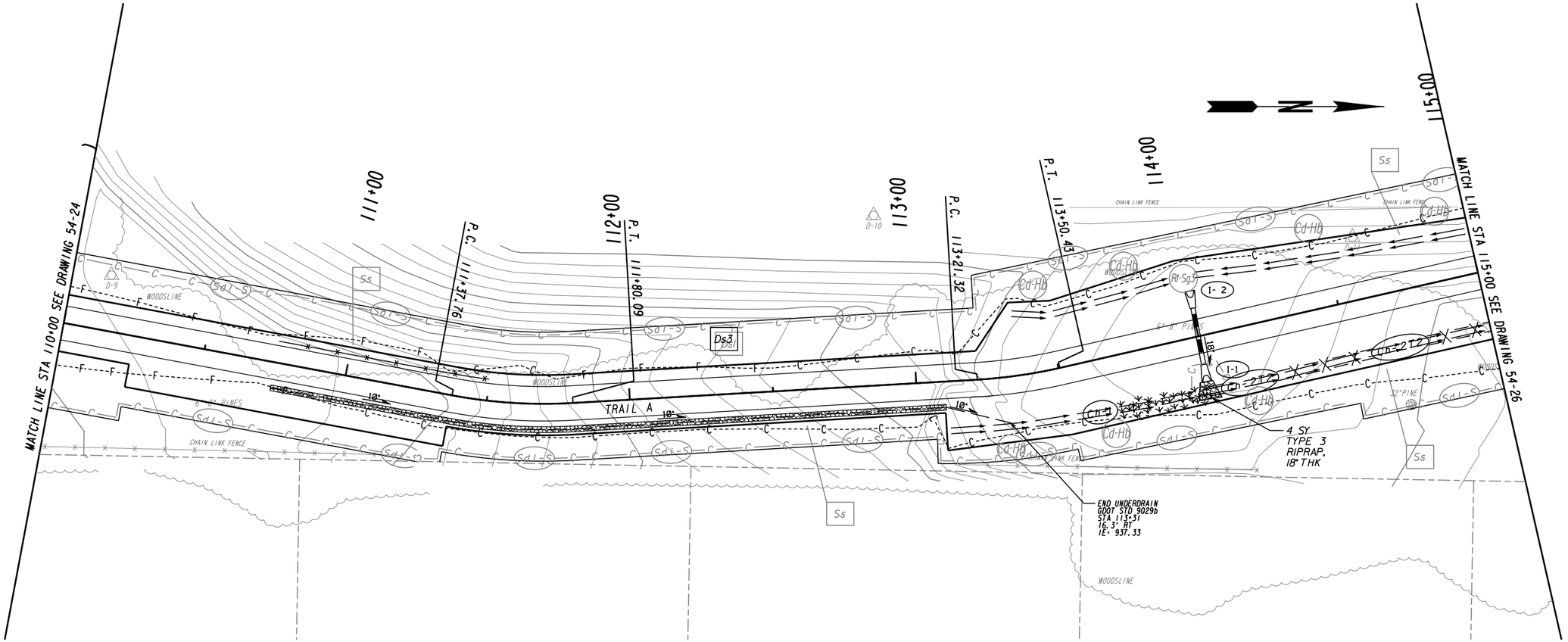
SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
PHASE 2
SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0024
VERIFIED:		DATE:		

7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
ORANGE BARRIER FENCE

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

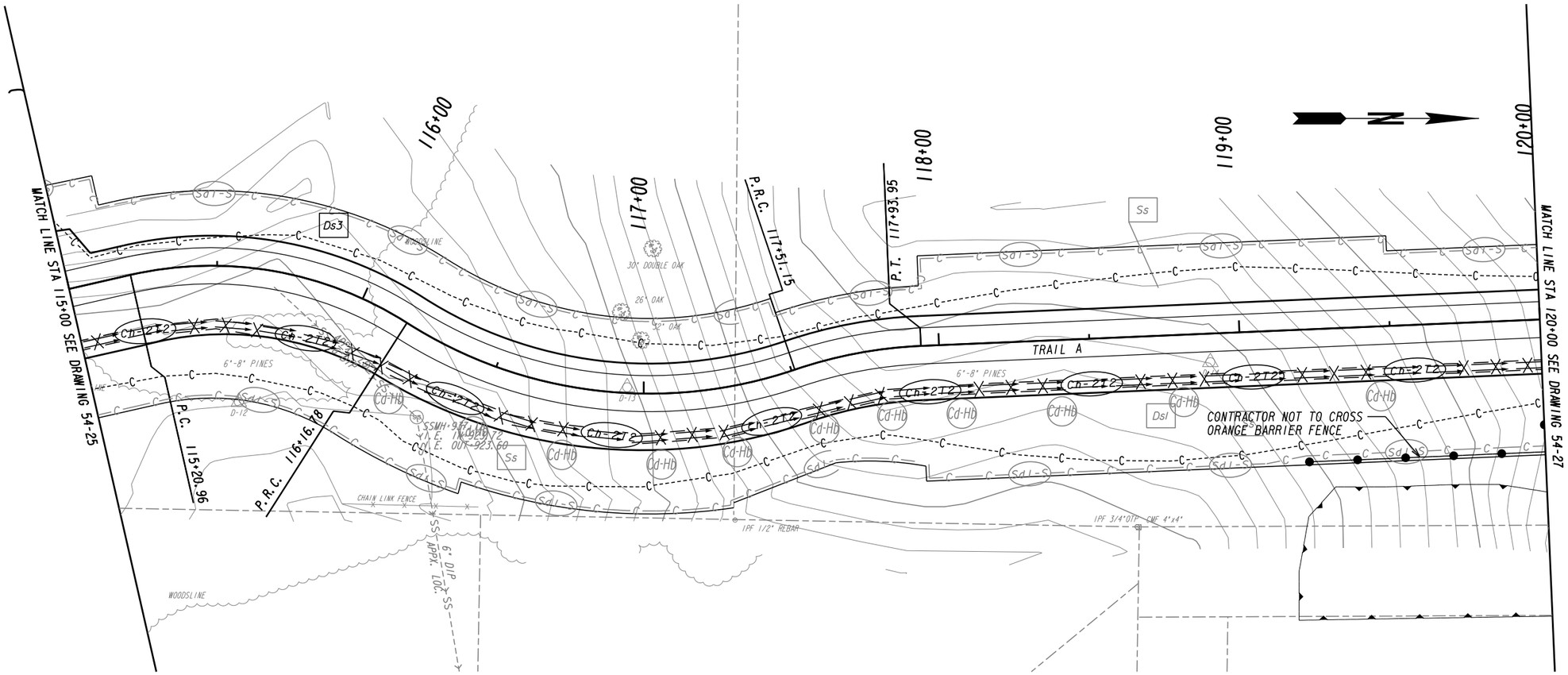
SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
PHASE 2
SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0025
VERIFIED:		DATE:		

7/31/2015 GPLN



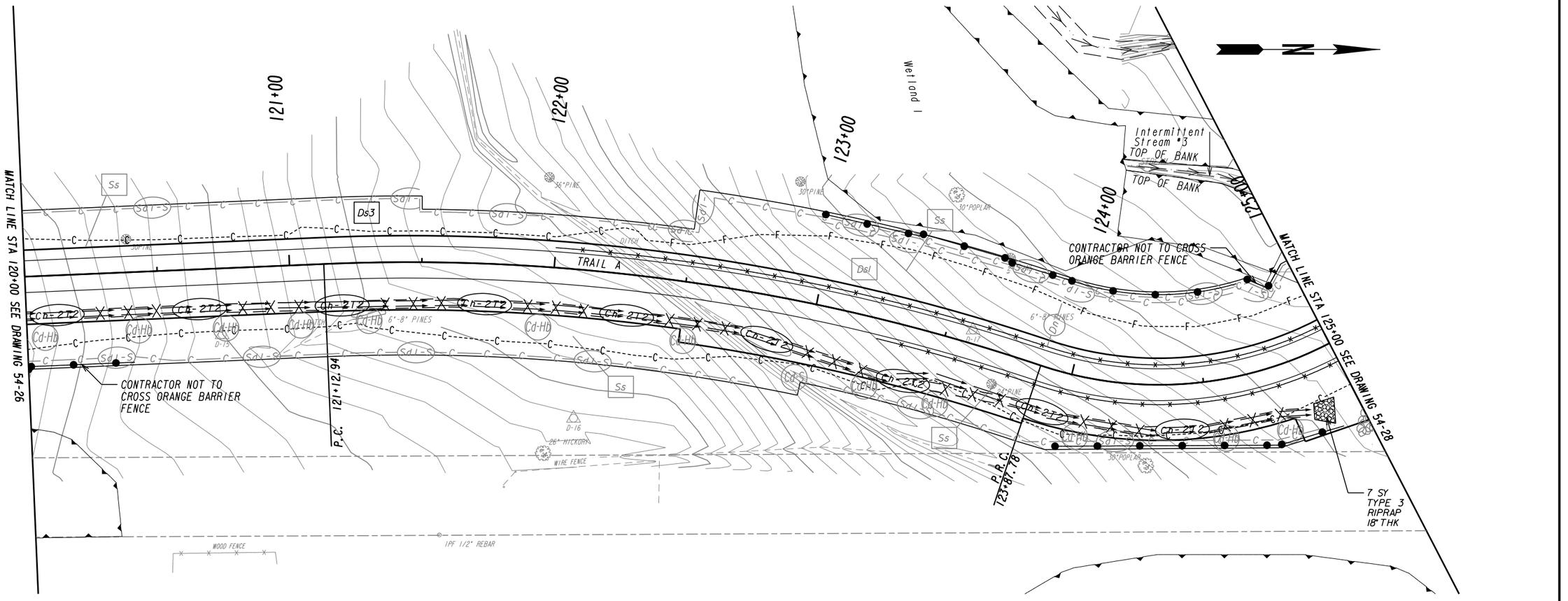
PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA	**GEORGIA** DEPARTMENT OF TRANSPORTATION	AECOM SCALE IN FEET 0 20 40 80
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA		
CONSTRUCTION LIMITS	LIMIT OF ACCESS		
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS		
EASEMENT FOR CONSTR OF SLOPES	SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS		
EASEMENT FOR CONSTR OF DRIVES	ORANGE BARRIER FENCE		

REVISION DATES		

BMP LOCATION DETAILS
PHASE 2
SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0026
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
ORANGE BARRIER FENCE

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

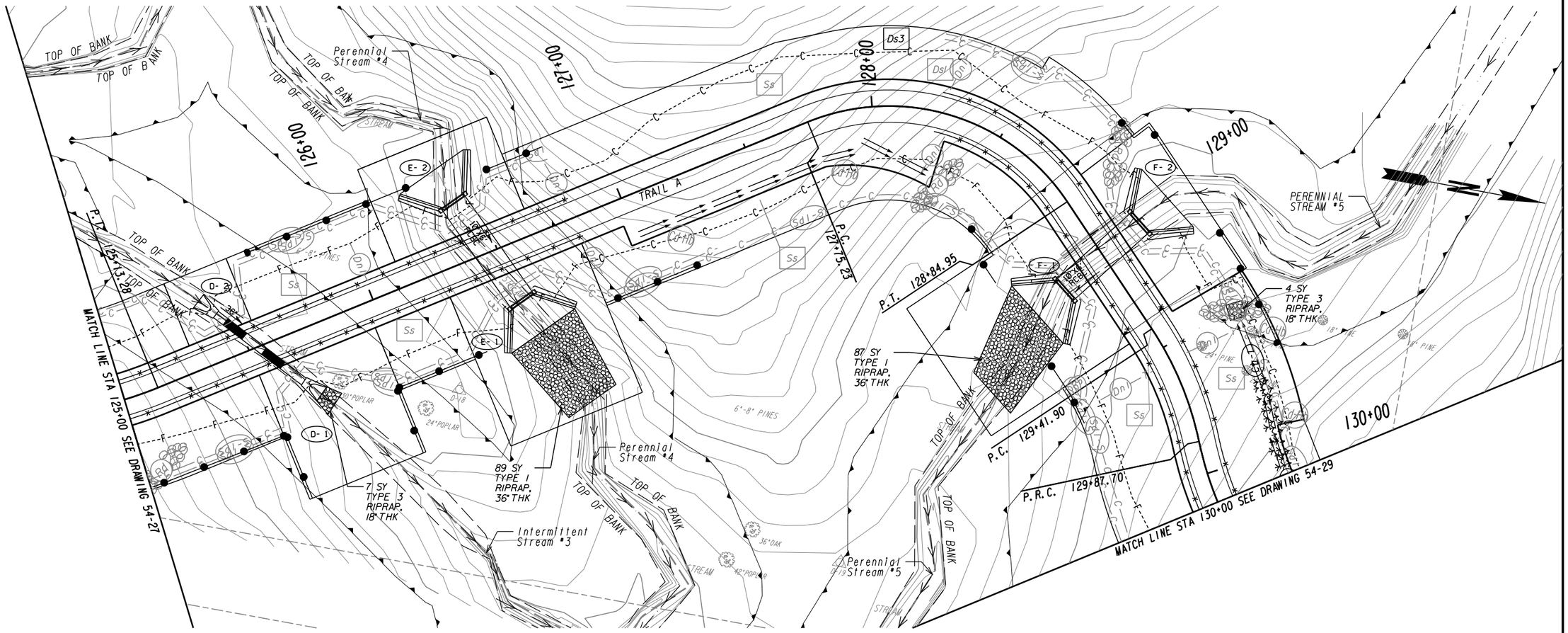
SCALE IN FEET
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REVISION DATES

BMP LOCATION DETAILS
PHASE 2
SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0027
VERIFIED:		DATE:		

7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
EASEMENT FOR CONSTR OF DRIVES	ORANGE BARRIER FENCE

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

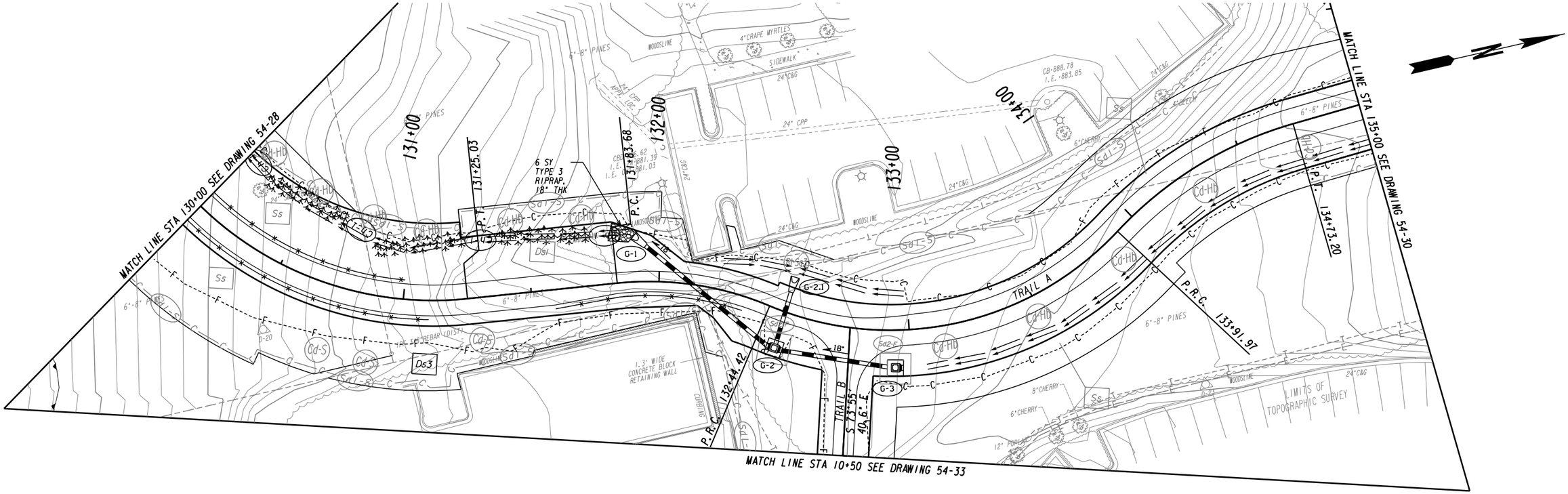
SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
PHASE 2
SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0028
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
ORANGE BARRIER FENCE

GEORGIA
DEPARTMENT OF TRANSPORTATION

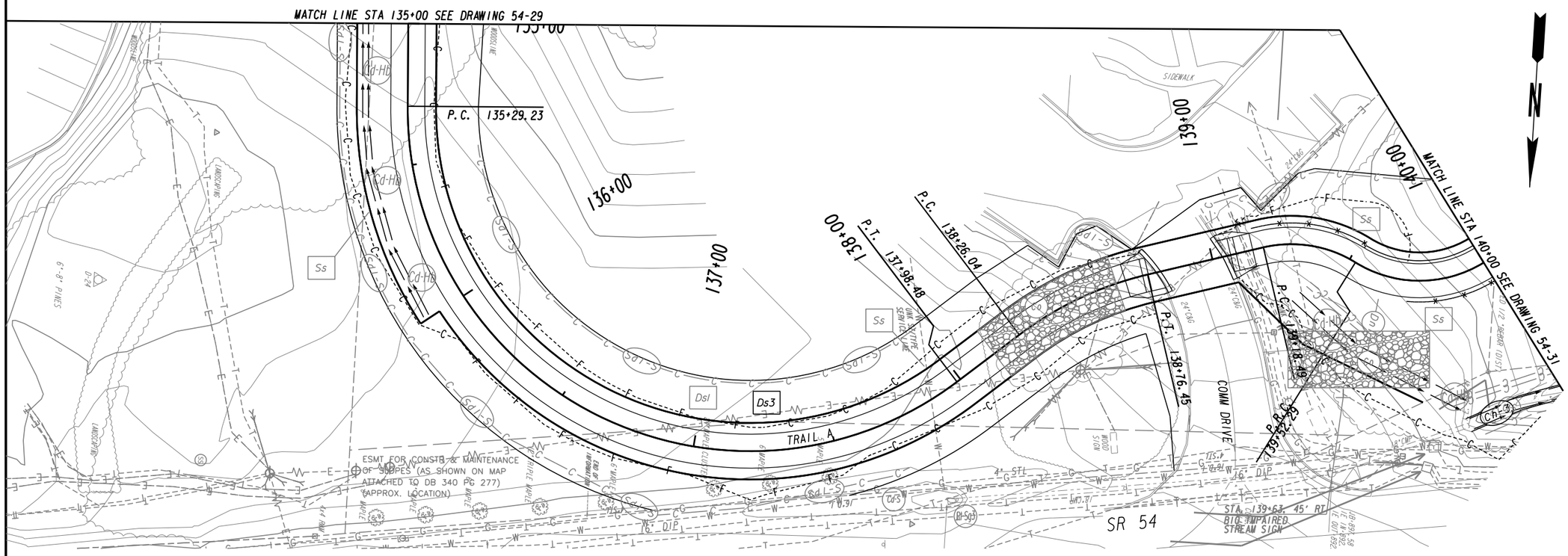
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SCALE IN FEET
0 20 40 80

REVISION DATES		

BMP LOCATION DETAILS
PHASE 2
SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0029
VERIFIED:		DATE:		



PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF SLOPES	SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
EASEMENT FOR CONSTR OF DRIVES	ORANGE BARRIER FENCE

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

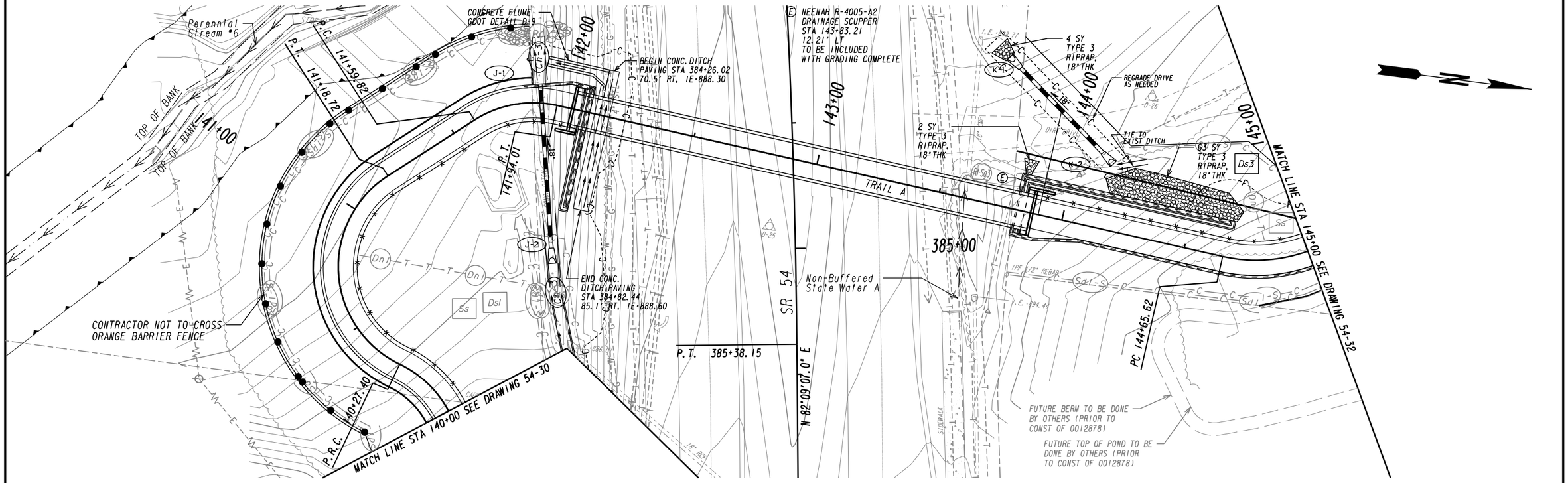
SCALE IN FEET
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REVISION DATES		

BMP LOCATION DETAILS
PHASE 2
SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0030
VERIFIED:		DATE:		

7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
ORANGE BARRIER FENCE

GEORGIA DEPARTMENT OF TRANSPORTATION

AECOM

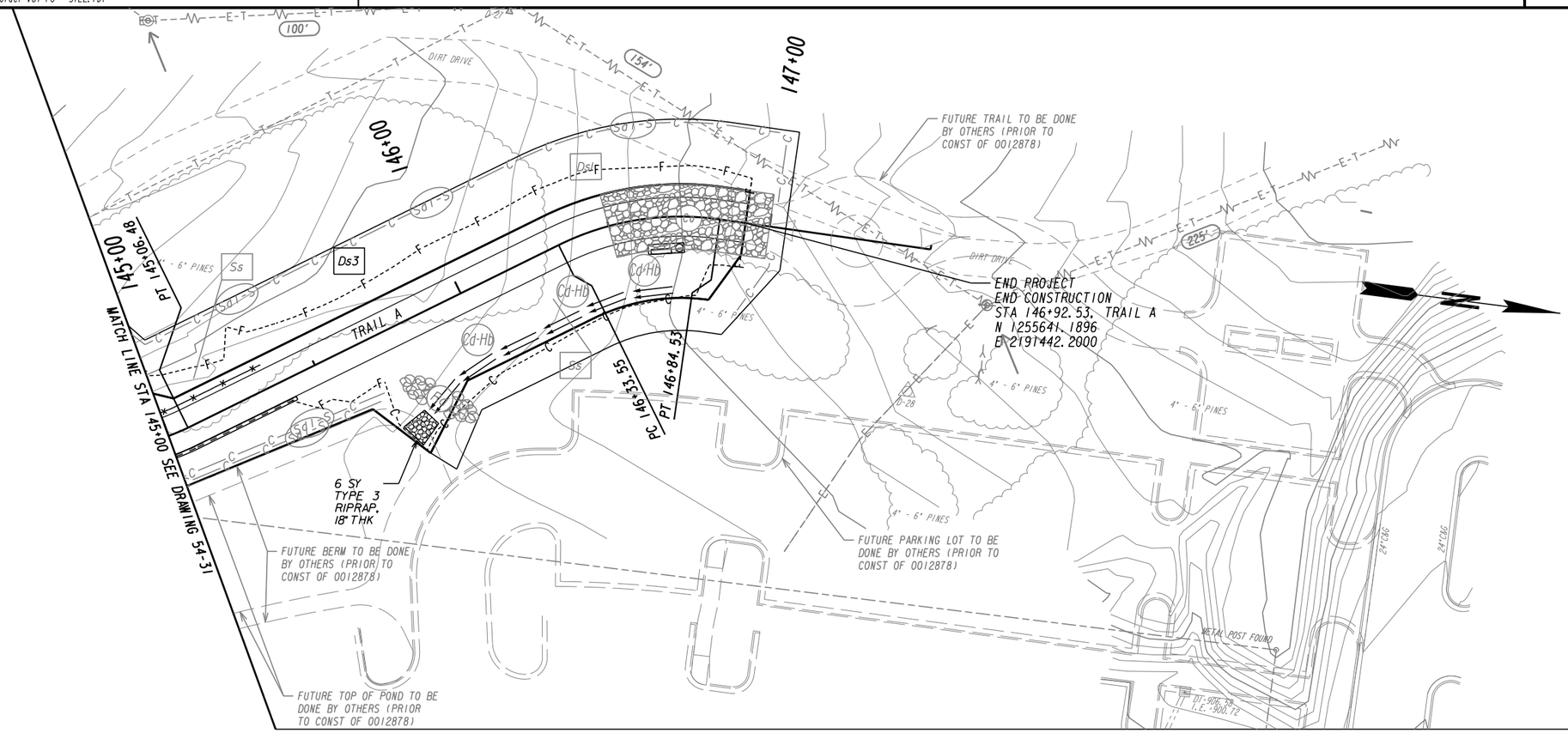
SCALE IN FEET
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REVISION DATES

BMP LOCATION DETAILS
PHASE 2
SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0031
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
ORANGE BARRIER FENCE

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

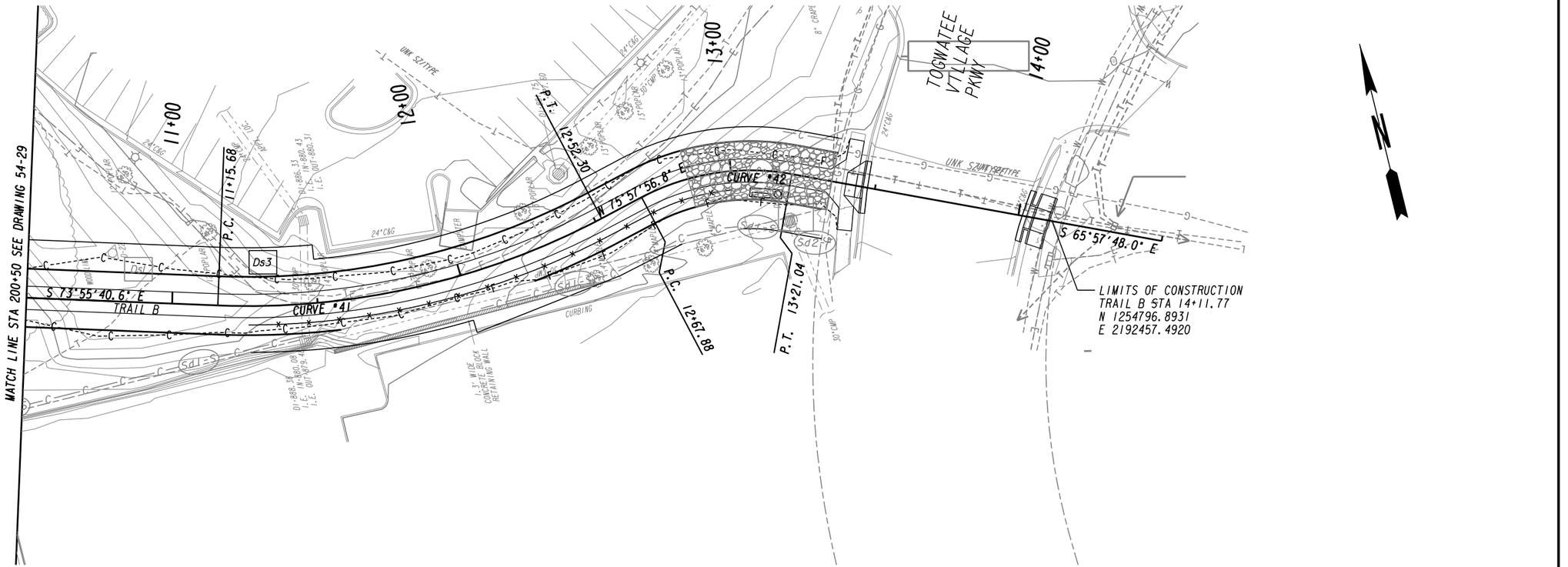
SCALE IN FEET
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REVISION DATES

BMP LOCATION DETAILS
PHASE 2
SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		54-0032
VERIFIED:		DATE:		

7/31/2015 GPLN



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONST. RESTRICTIONS
ORANGE BARRIER FENCE

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

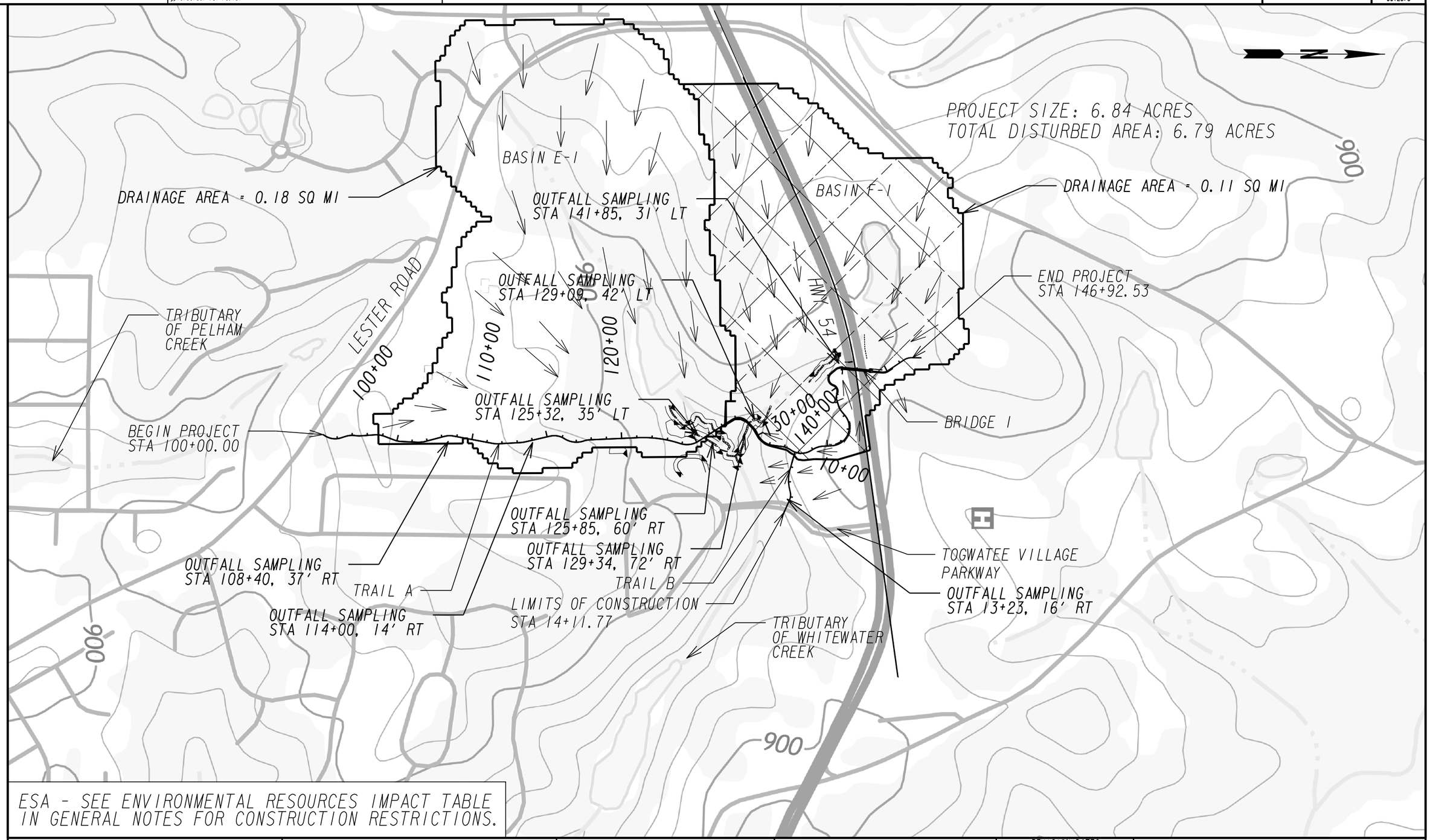
SCALE IN FEET
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REVISION DATES

BMP LOCATION DETAILS
PHASE 2
SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		54-0033
CORRECTED:		DATE:		
VERIFIED:		DATE:		

7/31/2015 GPLN



ESA - SEE ENVIRONMENTAL RESOURCES IMPACT TABLE IN GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS.

GEORGIA
DEPARTMENT OF TRANSPORTATION

AECOM

SCALE IN FEET
0 300 600 1200

REVISION DATES		

WATERSHED MAP SITE MONITORING PLAN

SR 54 MULTI-USE TRAIL & BRIDGE

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		55-0001
VERIFIED:		DATE:		