

CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	###	###

[illegible][illegible]

 200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413 MARIETTA, GA 30062 PHONE: (770) 971-5407 FAX: (770) 971-0620 THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF CROY ENGINEERING, LLC. NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT WRITTEN PERMISSION AND CONSENT.	REVISION DATES		FAYETTE COUNTY	
			SR 85 AT HWY 85 CONNECTOR	
			INTERSECTION IMPROVEMENTS	
			INDEX	DRAWING NO.
				02-01

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

REVISION DATES			FAYETTE COUNTY	
			SR 85 AT HWY 85 CONNECTOR INTERSECTION IMPROVEMENTS	
			REVISION SUMMARY	DRAWING NO.
				03-01

5/14/2024 10:35 AM USER: Wyant.Raney P:\Marietta 1866 Fayette County\1866.048 SR 85 at Hwy 85 Connector\Engineering\Design\1866.048g_Cover etc.dwg

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PROJECT GENERAL NOTES:

TOTAL SITE AREA: 3.25 AC
TOTAL AREA TO BE DISTURBED: 3.25 AC

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD AND SUPPLEMENTAL SPECIFICATIONS, CURRENT EDITION.
2. ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON PLANS, AND ARE NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON PLANS WILL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY UNDER THIS REQUIREMENT. "EXISTING UTILITY FACILITIES" MEANS ANY UTILITY THAT EXISTS ON THE PROJECT IN ITS ORIGINAL, RELOCATED OR NEWLY INSTALLED POSITION.
3. THE FOLLOWING UTILITIES HAVE FACILITIES IN THE PROJECT AREA:

1. AGL RESOURCES – SOUTHERN CO.
CHRIS BRITTIAN (770) 570–8292

2. AT&T – D SOUTHEAST NETWORK
ANDRE WALTON (404) 218–4468

3. COMCAST
REGGIE ARNEY (678) 878–5541

4. COWETA–FAYETTE EMC
STEVE JONES (678) 488–8834

5. FAYETTE WATER
JAMES ROSSER (770) 320–6020
4. INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB–SECTION 107.07 OF THE GEORGIA STANDARD SPECIFICATIONS.
5. RIGHT–OF–WAY MARKERS IN RESIDENTIAL LAWN AND DEVELOPED COMMERCIAL AREAS SHALL BE PLACED FLUSH WITH THE FINISHED SURFACE.
6. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND TO DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. CONCRETE AND ASPHALT MATERIALS REMOVED FROM THE PROJECT SITE MAY NOT BE PLACED IN FILL LOCATIONS THAT FALL WITHIN EASEMENT OR RIGHT–OF–WAY AREAS.
7. PERFORATED UNDERDRAIN SHALL BE PLACED IN AREAS WHERE WET CONDITIONS EXIST IN THE SUBGRADE AS REQUIRED OR AS DIRECTED BY THE ENGINEER.
8. STRUCTURES, TREES, SHRUBS AND OTHER PLANT MATERIAL THAT FALL WITHIN THE RIGHT–OF–WAY AND EASEMENT LIMITS, BUT OUTSIDE THE LIMITS OF CONSTRUCTION, SHALL NOT BE DISTURBED UNLESS DIRECTED BY THE ENGINEER.
9. THE CONTRACTOR SHALL OBSERVE ALL APPLICABLE LOCAL, STATE AND FEDERAL SAFETY REGULATIONS REGARDING PIPE INSTALLATION IN TRENCHES. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.
10. METAL PIPES UNDERNEATH THE TRAVEL WAY MUST BE REMOVED OR FILLED WITH FLOWABLE FILL. THE COST FOR REMOVAL OF PIPES SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE PER LUMP SUM OR IN THE PRICE BID FOR FLOWABLE FILL PER CUBIC YARD.
11. IN AREAS WHERE NEW PAVEMENT OR PAVEMENT WIDENING IS REQUIRED, SAW CUT OF EXISTING PAVEMENT WILL BE REQUIRED IN ACCORDANCE WITH SECTION 411 OF THE GEORGIA STANDARD SPECIFICATIONS AND WILL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE". THE SAW CUT SHALL BE AS CLOSE TO THE EDGE OF PAVEMENT AS POSSIBLE.
12. ALL RETAINING WALLS SHALL HAVE ASHLAR STONE FORM LINER OR OTHER FORM LINER AS DIRECTED. THIS APPLIES TO ALL RETAINING WALL FACES EXPOSED TO PUBLIC VIEW. ALL RETAINING WALL EXPOSED FACES SHALL HAVE ANTI–GRAFFITI COATING. THE ASHLAR FINISH AND ANTI–GRAFFITI COATING SHALL BE INCLUDED IN THE PRICE OF THE WALL.
13. ALL DRIVEWAYS SHALL BE MAINTAINED DURING CONSTRUCTION. ALL DRIVEWAYS TO BE CONSTRUCTED SHALL BE REPLACED IN KIND I.E. ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE ETC. ANY OTHER DRIVEWAY MATERIAL OR SPECIALIZED DRIVEWAY WILL NOT BE REPLACED IN KIND (I.E. PAVERS) AND WILL BE REPLACED WITH ASPHALT OR CONCRETE. ALL EARTH OR GRAVEL DRIVES SHALL BE PAVED WITH ASPHALT TO THE RIGHT–OF–WAY LIMIT OR TIE–IN POINT. DRIVEWAYS SHALL BE PAVED AS FOLLOWS:

ASPHALTIC DRIVES:

- RESIDENTIAL – 1–1/2" ASPH. CONC. 12.5 MM SUPERPAVE, 165 LB/SY
- 6" GRADED AGGREGATE BASE

- COMMERCIAL – 1–1/2" ASPH. CONC. 12.5 SUPERPAVE, 165 LB/SY
- 2" ASPH. CONC. 19MM SUPERPAVE, 220 LB/SY
- 6" GRADED AGGREGATE BASE

CONCRETE DRIVES:

- RESIDENTIAL – 6" CONCRETE VALLEY GUTTER
- 4" CONCRETE DRIVEWAY

- COMMERCIAL – 8" CONCRETE VALLEY GUTTER
- 6" CONCRETE DRIVEWAY

PROJECT GENERAL NOTES CONT'D:

14. ALL CONCRETE SIDEWALKS AND WHEEL CHAIR RAMPS LOCATED IN THE RADIUS RETURN SHALL BE 8" THICK.
15. LUMP–SUM TRAFFIC CONTROL: THE PRICE BID FOR LUMP–SUM TRAFFIC CONTROL SHALL INCLUDE THE COST OF STAGED CONSTRUCTION, MAINTENANCE OF TRAFFIC (INCLUDING AGGREGATE SURFACE COURSE), INSTALLATION AND REMOVAL OF ALL TEMPORARY SIGNAGE, INTERIM PAVEMENT MARKINGS, BARRICADES, AND OTHER INTERIM TRAFFIC CONTROL DEVICES NECESSARY FOR THE CONSTRUCTION AND MAINTENANCE OF THE PROJECT. DEVICES UTILIZED ON THE PROJECT SHALL BE IN COMPLIANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION AND SECTION 150. ALL DEVICES, SIGNS, POSTS, BARRICADES, ETC SHALL BE FROM THE GDOT QUALIFIED PRODUCTS LIST (QPL). ALL DEVICES SHALL BE CRASHWORTHY UNDER AASHTO AND NCHRP 350 REQUIREMENTS. THE ENGINEER MAY DIRECT THAT ADDITIONAL DEVICES AND MARKINGS BE ADDED TO THE TRAFFIC CONTROL PLAN. THE COST OF NOMINAL ITEMS ADDED BY THE ENGINEER SHALL BE INCLUDED IN LUMP–SUM TRAFFIC CONTROL EXCEPT FOR THE ADDITION OF A CHANGEABLE MESSAGE SIGN(S). THE CONTRACT UNIT PRICE WILL BE PAID FOR A CHANGEABLE MESSAGE SIGN(S) OR A UNIT PRICE WILL BE DETERMINED WHEN A CHANGEABLE MESSAGE SIGN(S) IS NOT INCLUDED IN THE CONTRACT.
16. DETOURS IN THE PLANS: SUGGESTED DETOURS SHOWN IN THE PLANS ARE FOR INFORMATION ONLY. CONTRACTOR SHALL SUBMIT ON SITE AND OFF SITE DETOURS, AS PER SPECIAL PROVISION 150 TRAFFIC CONTROL, FOR REVIEW AND APPROVAL. THE COST OF MAINTENANCE, GRADING, TEMPORARY DRAINAGE, TEMPORARY SIGNAGE, TEMPORARY MARKINGS AND TEMPORARY DEVICES SHALL BE INCLUDED IN LUMP–SUM TRAFFIC CONTROL. THE COST OF STONE BASE (GAB) AND THE PLACEMENT OF THE TYPICAL PAVEMENT SECTION, TEMPORARY BARRIERS, ATTENUATORS, TEMPORARY GUARDRAIL, AND ANCHORS, IF NEEDED, WILL BE PAID AT CONTRACT UNIT PRICES. IF NO PAY ITEM IS SET UP FOR THE AFOREMENTIONED ITEMS FOR DETOURS THEN, IF REQUIRED, WILL BE INCLUDED IN LUMP SUM TRAFFIC CONTROL, AND IT WILL NOT BE MEASURED SEPARATELY FOR PAYMENT. ANY UNIT PRICES SET UP WILL INCLUDE INSTALLATION AND REMOVAL. PERMANENT DEVICES, TO BE INCORPORATED INTO THE FINAL WORK, MAY BE USED FOR INTERIM/TEMPORARY DUTIES PROVIDED THE PERMANENT DEVICES ARE NOT DAMAGED DURING THE INTERIM USAGE. THE COST FOR REPLACEMENT OF DAMAGED COMPONENTS SHALL BE AT THE CONTRACTOR'S EXPENSE.
- DETOURS NOT SHOWN IN THE PLANS (DETOURS PROPOSED BY THE CONTRACTOR): THE COST TO INSTALL, MAINTAIN AND REMOVE ANY DETOUR SHALL BE INCLUDED IN THE PRICE BID FOR LUMP–SUM TRAFFIC CONTROL. THE COST OF GRADING, PAVEMENT, SIGNING, MARKINGS, TEMPORARY DEVICES, TEMPORARY CONCRETE BARRIERS, ATTENUATORS, TEMPORARY GUARDRAIL AND ANCHORS, ETC SHALL BE INCLUDED IN THE PRICE BID FOR LUMP–SUM TRAFFIC CONTROL. DETOURS NOT SHOWN IN THE PLANS WILL NOT BE ELIGIBLE TO BE PAID AT CONTRACT UNIT PRICES.
17. ALL CUT AND FILL SLOPES SHALL BE STABILIZED TO COMPLY WITH SECTION 161.3.05.B OF THE SPECIFICATIONS IN ORDER TO REDUCE THE POTENTIAL FOR EROSION. IF THE SEASON DOES NOT PERMIT PERMANENT GRASSING, TEMPORARY STRAW MULCH AND/OR TEMPORARY VEGETATION SHALL BE USED AS PER THE EROSION AND SEDIMENTATION POLLUTION CONTROL PLAN (ESPCP) OR AS DIRECTED BY THE ENGINEER.
18. EROSION CONTROL MEASURES SHALL BE INSTALLED TO BE IN COMPLIANCE WITH THE APPROVED EROSION AND SEDIMENTATION POLLUTION CONTROL PLAN (ESPCP). EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES THAT INVOLVE ENVIRONMENTAL SENSITIVE AREAS (ESA'S) AS DEFINED UNDER SECTION 107.23.F OF THE SPECIFICATIONS AND THE ESPCP. IN GENERAL, EROSION CONTROL ITEMS SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBING ACTIVITIES AND SHALL BE MAINTAINED AT ALL TIMES.
19. CONTRACTOR TO MAINTAIN ACCESS TO ALL MULTI–USE PATHS DURING CONSTRUCTION AND TO COORDINATE WITH FAYETTE CO.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, RELOCATING, AND MAINTAINING THE PROPERTY OWNER'S MAILBOX TO AN AREA OUTSIDE CONSTRUCTION LIMITS DURING THE LIFE OF THE CONTRACT. THE LOCATION OF THE BOX SHOULD BE CONVENIENT TO BOTH THE MAIL CARRIER AND THE PATRON, YET NOT INTERFERE WITH PROPOSED WORK. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONFER WITH THE POST OFFICE SERVING THE AREA. ALL COSTS INCURRED FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS.

21. AN N.O.I. (NOTICE OF INTENT) IS REQUIRED FOR THIS PROJECT. THE DISTURBED AREA IS 3.25 ACRES.
22. ATTENTION IS CALLED TO SECTION 149.3, CONSTRUCTION REQUIREMENTS, CONTRACTOR IS REQUIRED TO TAKE THREE–POINT LEVELS ON WIDENING AND RECONSTRUCTION PROJECTS AND OBTAIN THE ENGINEER'S APPROVAL OF THE "BEST FIT" PROFILE AND CROSS SLOPE, TO MINIMIZE LEVELING REQUIREMENTS OF THE EXISTING ROADWAY. THE CONTRACTOR MUST GET THE ENGINEER'S APPROVAL OF THE PROPOSED BEST FIT BEFORE BEGINNING WIDENING AND RECONSTRUCTION. COST FOR SURVEY WORK TO BE INCLUDED IN GRADING COMPLETE OR OTHER ITEMS, NO SEPARATE PAYMENT SHALL BE MADE.
23. ALL ROADWAY DRAINAGE PIPES SHALL BE REINFORCED CONCRETE.
24. CONTRACTOR TO PROVIDE PRE–CONSTRUCTION PHOTOS OF ALL DRIVEWAYS TO PROJECT ENGINEER PRIOR TO CONSTRUCTION. PHOTOS MAY BE DIGITAL.
25. ALL EXISTING STORM DRAIN PIPES INCLUDING BOX CULVERTS WITHIN THE CONSTRUCTION LIMITS SHALL BE CLEANED PRIOR TO COMPLETION OF PROJECT. COST TO BE INCLUDED IN GRADING COMPLETE.
26. ALL GRASSED MEDIANS, LANDSCAPED AREAS BETWEEN THE BACK OF CURB AND SIDEWALK AND TO SHOULDER BREAK POINT SHALL BE SODDED WITH TIFTUF BERMUDA SOD. ALL COST ASSOCIATED WITH THIS REQUIREMENT SHALL BE INCLUDED IN THE PRICE BID FOR 700–9000 SOD.

PROJECT GENERAL NOTES CONT'D:

27. ALL EXISTING PEDESTRIAN FACILITIES, INCLUDING ACCESS TO TRANSIT STOPS, SHALL BE MAINTAINED. WHERE PEDESTRIAN ROUTES ARE CLOSED, ALTERNATE ROUTES SHALL BE PROVIDED. WHEN EXISTING PEDESTRIAN FACILITIES ARE DISRUPTED, CLOSED, OR RELOCATED WITHIN THE LIMITS OF THE PROJECT, THE TEMPORARY PEDESTRIAN FACILITIES SHALL BE DETECTABLE AND SHALL INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITIES (PER LATEST MUTCD). COST FOR CONSTRUCTING AND MAINTAINING TEMPORARY PEDESTRIAN FACILITIES SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE.
28. THE ROADWAY FINAL SURFACE COURSE JOINTS MUST MATCH THE PROPOSED LANE EDGES AS SHOWN IN THE PAVEMENT MARKING PLANS.

MAINTENANCE OF TRAFFIC GENERAL NOTES:

1. ALL ITEMS NECESSARY FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR "TRAFFIC CONTROL".
2. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. LATEST EDITION.
3. ALL SIGNS SHALL HAVE TYPE [I] RETROREFLECTIVE SHEETING UNLESS OTHERWISE NOTED.
4. IN RESIDENTIAL AREAS, TEMPORARY AND PERMANENT SIGNS SHALL BE LOCATED ON OR AS CLOSE AS POSSIBLE TO PROPERTY LINES.
5. EXISTING TRAFFIC SIGNS SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. MAINTENANCE CONSTRUCTION RELATED TRAFFIC CONTROL DEVICES.
6. THE WORK–SITE TRAFFIC CONTROL SUPERVISOR (WTCS) SHALL BE RESPONSIBLE FOR THE ELIMINATION OF ANY CONFLICTING PAVEMENT MARKINGS. THE WTCS SHALL NOT USE "BLACK OUT PAINT" TO ERADICATE CONFLICTING MARKINGS, THE ENGINEER SHALL MAKE THE FINAL DETERMINATION WHETHER THE CONFLICTING MARKINGS HAVE BEEN ADEQUATELY ELIMINATED.
7. TEMPORARY TRAFFIC BARRIERS SHALL HAVE A TWO (2') FEET MINIMUM OFFSET FROM THE EDGE OF ANY TRAVEL LANE, ONLY TRAFFIC DRUMS, MEETING THE MINIMUM REQUIREMENTS OF THE MUTCD AND SECTION 150, AND TEMPORARY BARRIERS THAT ARE CRASHWORTHY SHALL BE USED ADJACENT TO TRAVEL LANES, UNLESS PRIOR APPROVAL IS GRANTED BY FAYETTE COUNTY. THE TEMPORARY BARRIERS CAN NOT BE PLACED LESS THAN TWO (2') FEET FROM THE EDGE OF THE TRAVEL LANE. THE USE OF TYPE 1 AND 11 BARRICADES AND TRAFFIC CONES IS PROHIBITED.
8. TRAFFIC DRUMS MEETING THE MINIMUM REQUIREMENTS OF THE MUTCD AND SECTION 150 SHALL BE USED FOR CHANNELIZATION OF TRAFFIC IN ALL TRAFFIC SHIFTS, FOR ANY WORK ZONE, THE MAXIMUM DRUM SPACING, IN FEET, SHALL BE THE DESIGN OR POSTED SPEED LIMIT, WHICHEVER IS LESS. BASED ON FIELD CONDITIONS, THE MAXIMUM SPACING OF THE TRAFFIC DRUMS MAY NEED TO BE FURTHER REDUCED.
9. ALL TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED BY THE CONTRACTOR SO AS NOT TO INTERFERE WITH SIGHT DISTANCES ALONG ANY ADJACENT SIDE ROAD OR DRIVEWAY.
10. FAYETTE COUNTY RESERVES THE RIGHT TO MODIFY THIS MAINTENANCE OF TRAFFIC PLAN AS FIELD CONDITIONS WARRANT. IF ADDITIONAL TRAFFIC CONTROL DEVICES ARE REQUIRED, THESE SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE COUNTY.
11. TEMPORARY TRAFFIC CONTROL PLANS MUST BE SUBMITTED BY THE CONTRACTOR TO FAYETTE COUNTY PUBLIC WORKS DEPARTMENT, FOR INFORMATION CALL (770) 320–6010.
12. REFLECTORIZED TYPE 3 BARRICADES SHALL BE USED AT THE ACTUAL LOCATION OF TOTAL ROAD CLOSURE. EACH BARRICADE SHALL HAVE TWO TYPE 'A' LIGHTS AND ONE R11–2 (ROAD CLOSED) SIGN ATTACHED.
13. ALL M4–9 SIGNS SHALL HAVE ADVISORY BLADES (INSTALLED ABOVE THE "DETOUR" SIGN) IDENTIFYING THE CLOSED STREET THAT THE DETOUR ROUTE SERVES.
14. CHANGEABLE MESSAGE SIGNS, INFORMING MOTORISTS OF LANE AND/OR ROAD CLOSURES AND/OR TRAFFIC SHIFTS SHALL BE INSTALLED A MINIMUM OF 2 WEEKS PRIOR TO THE ROAD CLOSURE. THESE SIGNS SHALL BE INSTALLED AT OR AS NEAR AS POSSIBLE TO THE ROAD CLOSURE (SEE SPECIFICATIONS BELOW):

(ROAD NAME) WILL BE CLOSED TO THRU TRAFFIC
FROM (SIDE ROAD) TO (SIDE ROAD)
FROM (DATE) THRU (DATE)
(REASON FOR CLOSURE)
FOR INFO CALL (770) 320–6010

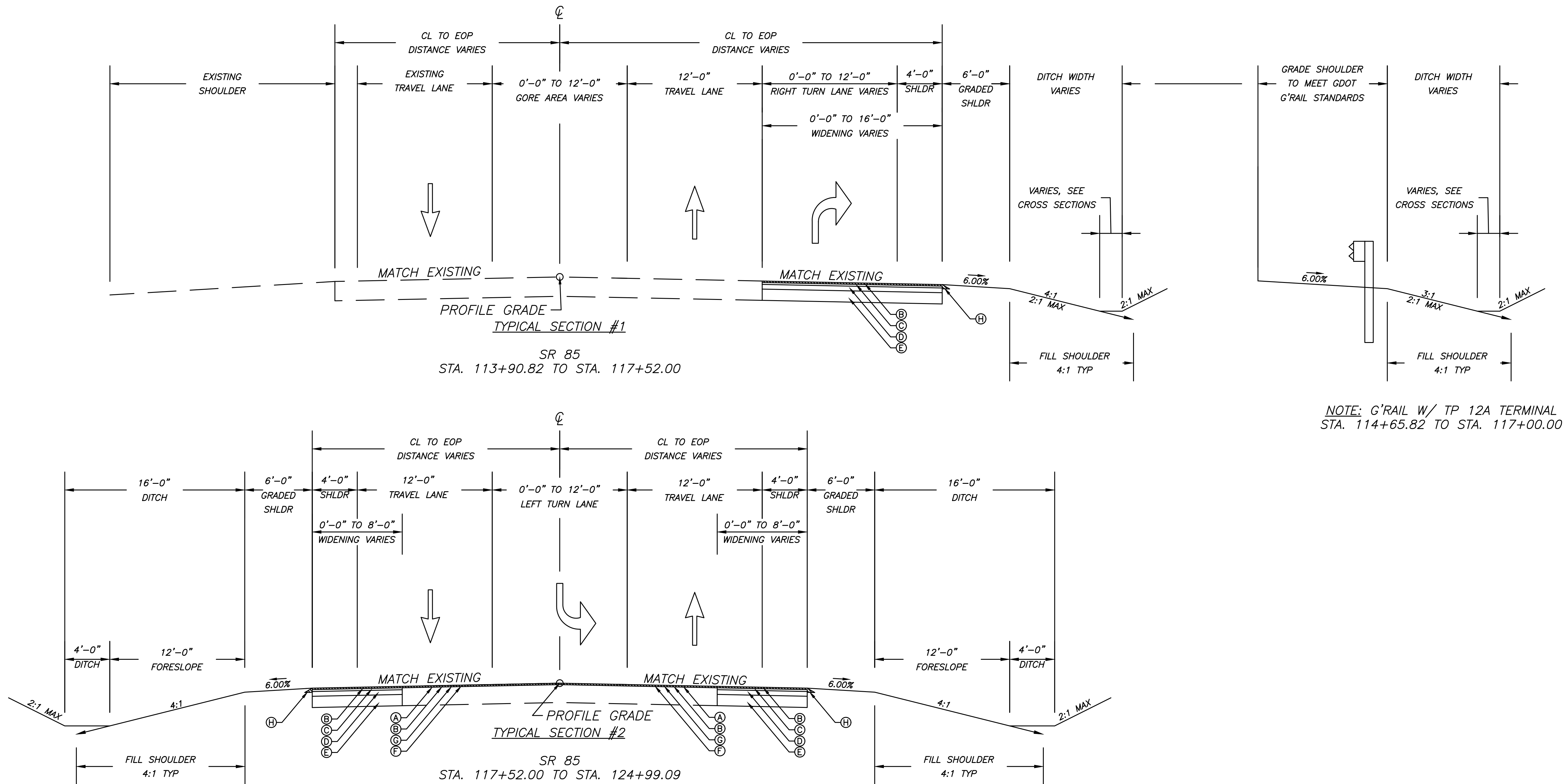
15. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PREPARE A MAINTENANCE OF TRAFFIC PLAN FOR APPROVAL BY FAYETTE COUNTY BEFORE STARTING CONSTRUCTION. PAYMENT SHALL BE INCLUDED IN THE PRICE FOR TRAFFIC CONTROL. THE CONTRACTOR SHALL CONSTRUCT THE PROJECT IN PHASES TO ADHERE TO THE RESTRICTED ROAD CLOSURE DATES AND AS STATED IN THE SPECIFICATIONS.

16. THE CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS TO ALL DRIVEWAYS AT ALL TIMES.

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				GENERAL NOTES	
				04–01	

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- (A) MILL ASPH CONC PVMT, 1 1/2 IN DEPTH
- (B) 1.5" RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (165 LB/SY)
- (C) 2" RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
- (D) 5" RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (550 LB/SY)
- (E) GR AGGR BASE CRS, 12 INCH, INCL MATL
- (F) RECYCLED ASPH CONC PATCHING, INCL BITUM MATL & H LIME (AS REQUIRED)
- (G) RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME
- (H) PAVEMENT EDGE TREATMENT ASPHALT AND CONCRETE PAVEMENT, GDOT STD P-7

N.T.S.



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REVISION DATES

FAYETTE COUNTY

SR 85 AT HWY 85 CONNECTOR
INTERSECTION IMPROVEMENTS

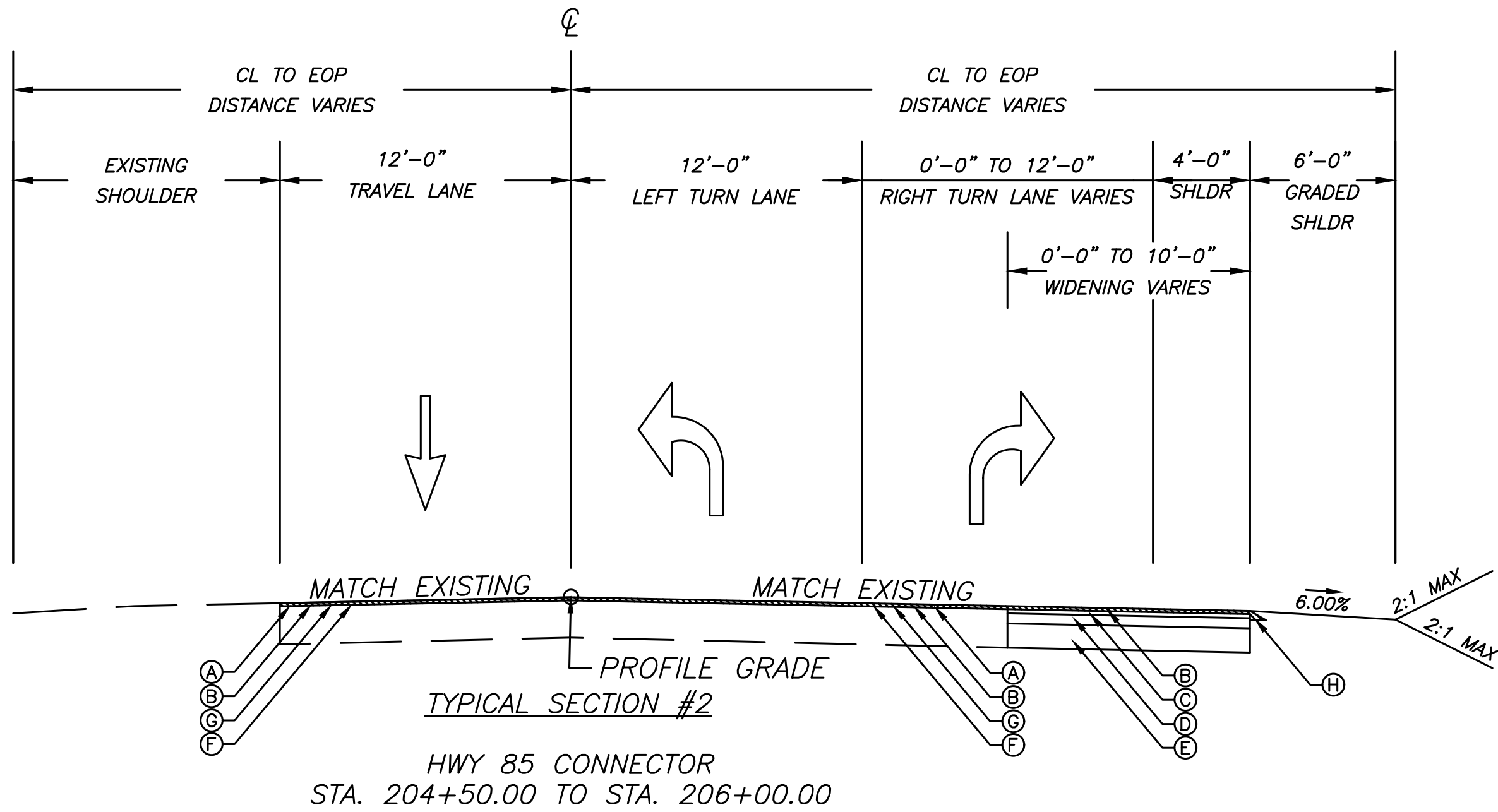
TYPICAL SECTIONS

DRAWING NO.

05-01

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ROADWAY ITEMS													
LOCATION	GR AGGR BASE CRS, 12 INCH, INCL MATL	MILL ASPHALT CONC. PWT. 1 1/2 IN DEPTH	*RECYCLED ASPH CONC PATCHING, INCL BITUM MATL & H LINE	*RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LINE	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LINE	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LINE	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LINE	TACK COAT	CONC SIDEWALK, 4 IN.	CONC SIDEWALK, 8 IN.	CONC CURB & GUTTER, 8 IN X 24 IN, TP 2	CONCRETE MEDIAN, 7 1/2 IN	*SAWED JOINTS IN EXIST. PAVEMENTS— PCC
	SY	SY	TN	TN	TON	TON	TON	GAL	SY	SY	LF	SY	LF
TOTAL	1338	3549	80	50	404	148	368	379	54	31	106	21	1520

*AS DIRECTED BY THE ENGINEER

GRADING COMPLETE
LUMP SUM

CONCRETE RIGHT-OF-WAY MARKERS GA. STD. 9003
TOTAL 2 EA

DRIVEWAY QUANTITIES					
LOCATION	*AGGR SURF CRS	GR AGGR BASE CRS, 6 INCH, INCL MATL	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LINE	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LINE	TACK COAT
	TN	SY	TN	TN	GAL
TOTAL	20	119	10	13	12

TRAFFIC CONTROL
LUMP SUM

TEMPORARY EROSION CONTROL									
LOCATION	TEMPORARY GRASSING	MULCH— DISTURBED AREA	AGRICULTURAL LIME	FERTILIZER MIXED GRADE	TEMPORARY SILT FENCE TP C	MAINTENANCE OF TEMPORARY SILT FENCE TP C	CONSTRUCT & REMOVE INLET SEDIMENT TRAP	MAINTENANCE OF INLET SEDIMENT TRAP	CONSTRUCT & REMOVE BALED STRAW CHECK DAMS
	AC	TN	TN	TN	LF	LF	EA	EA	LF
TOTAL	2	12	6	1	538	269	5	5	200

TRAFFIC STRIPE		
DESCRIPTION	UNIT	QUANTITY
		THERMOPLASTIC
5” SOLID WHITE	LF	2564
5” SOLID YELLOW	LF	790
24” SOLID WHITE	LF	49
8” SOLID WHITE	LF	942
5” SKIP WHITE(2’SEG, 6”GAP)	GLF	200
18” SKIP WHITE(2’SEG, 2’GAP)	GLF	50
TRAF STRIPING, WHITE	SY	275
TRAF STRIPING, YELLOW	SY	573

RAISED PAVEMENT MARKERS (EACH)			
LOCATION	REFLECTIVE—RAISED		
	YELLOW	CLEAR	CLEAR/ RED
	TYPE 1	TYPE 2	TYPE 3
TOTAL	88	0	30

PERMANENT EROSION CONTROL						
LOCATION	STN DUMPED RIP RAP TP 3, 18 IN.	PERMANENT GRASSING	AGRICULTURAL LIME	FERTILIZER MIXED GRADE	FERTILIZER NITROGEN CONTENT	PLASTIC FILTER FABRIC
	SY	AC	TN	TN	LB	SY
TOTAL	23	2	2	2	100	23

RUMBLE STRIPS	
DESCRIPTION	QUANTITY (GLM)
CENTERLINE	1
EDGE LINE	1

ARROWS (EACH)	
DESCRIPTION	QUANTITY
	THERMOPLASTIC
TYPE 2	4

NOTE:
ALL ARROWS
SHALL BE
WHITE UNLESS
OTHERWISE
SPECIFIED. SEE
PLANS FOR
LOCATION.

GUARDRAIL			
LOCATION	GUARDRAIL ANCHORAGE, TP 1	GUARDRAIL ANCHORAGE, TP 12	GUARDRAIL, TP W
	EA	EA	LF
TOTAL	1	1	182



200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 871-5407 FAX: (770) 871-0620

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REVISION DATES

FAYETTE COUNTY

SR 85 AT HWY 85 CONNECTOR
INTERSECTION IMPROVEMENTS

SUMMARY OF QUANTITIES

DRAWING NO.

06-01

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CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	###	###

DRAINAGE ITEMS								
STRUCTURE NUMBER	LOCATION	18" STORM DRAIN PIPE, H 1-10	24" STORM DRAIN PIPE, H 1-10	18" SIDE DRAIN PIPE, H 1-10	FLARED END SECTION 18 IN, STORM DRAIN	SAFETY END SECTION 18 IN, SIDE DRAIN, 4:1 SLOPE	SAFETY END SECTION 24 IN, STORM DRAIN, 4:1 SLOPE	ADJUST MANHOLE TO GRADE
		LF	LF		LF	EA	EA	EA
A LINE								
EX A1	STA. 113+19.01 R							
EX A2	STA. 114+31.51 R							1
EX A3	STA. 116+99.28 R							1
EX A4	STA. 119+10.87 R		212					
A5	STA. 119+32.40 R		22				1	
B LINE								
B1	STA. 120+37.52 L			25		1		
B2	STA. 120+62.50 L					1		
C LINE								
C1	STA. 123+17.79 R			25		1		
C2	STA. 123+42.44 R					1		
TOTAL		#	234	50	#	4	1	2

NOTE:
SAFETY END SECTIONS AND FLARED
END SECTIONS ARE TO BE CONCRETE

STANDARD SIGNS											
LOCATION	HIGHWAY SIGNS				HIGHWAY SIGNS				POSTS		
	SIGN CODE	TP 1 MATL. REFL. SHEETING TP 9			SIGN CODE	TP 1 MATL. REFL. SHEETING TP 11			LENGTH (FT)	TYPE 7	
		SIZE	QTY	SQ. FT		SIZE	QTY	SQ. FT		QTY	TOTAL LENGTH
SR 85											
112+41 RT					W3-3	36 X 36	1	9.00	13	1	13
					W16-9P	24 X 12	1	2.00			
112+41 LT					W3-3	36 X 36	1	9.00	13	1	13
					W16-9P	24 X 12	1	2.00			
118+28 LT					OM4-1	18 X 18	1	2.25	13	1	13
118+34 LT					OM4-1	18 X 18	1	2.25	13	1	13
118+47 RT					R1-2	36 X 36	1	9.00	13	1	13
124+25 RT					W3-3	36 X 36	1	9.00	13	1	13
					W16-9P	24 X 12	1	2.00			
124+25 LT					W3-3	36 X 36	1	9.00	13	1	13
					W16-9P	24 X 12	1	2.00			
SR 85 CONNECTOR											
205+32 RT	R560-5	18 X 24	1	3.00					12	1	12
205+38 LT					R1-2	36 X 36	1	9.00	13	1	13
205+58 RT	R560-5	18 X 24	1	3.00					12	1	12
TOTALS				6.00				66.50			128

CROY

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413

MARIETTA, GA 30062

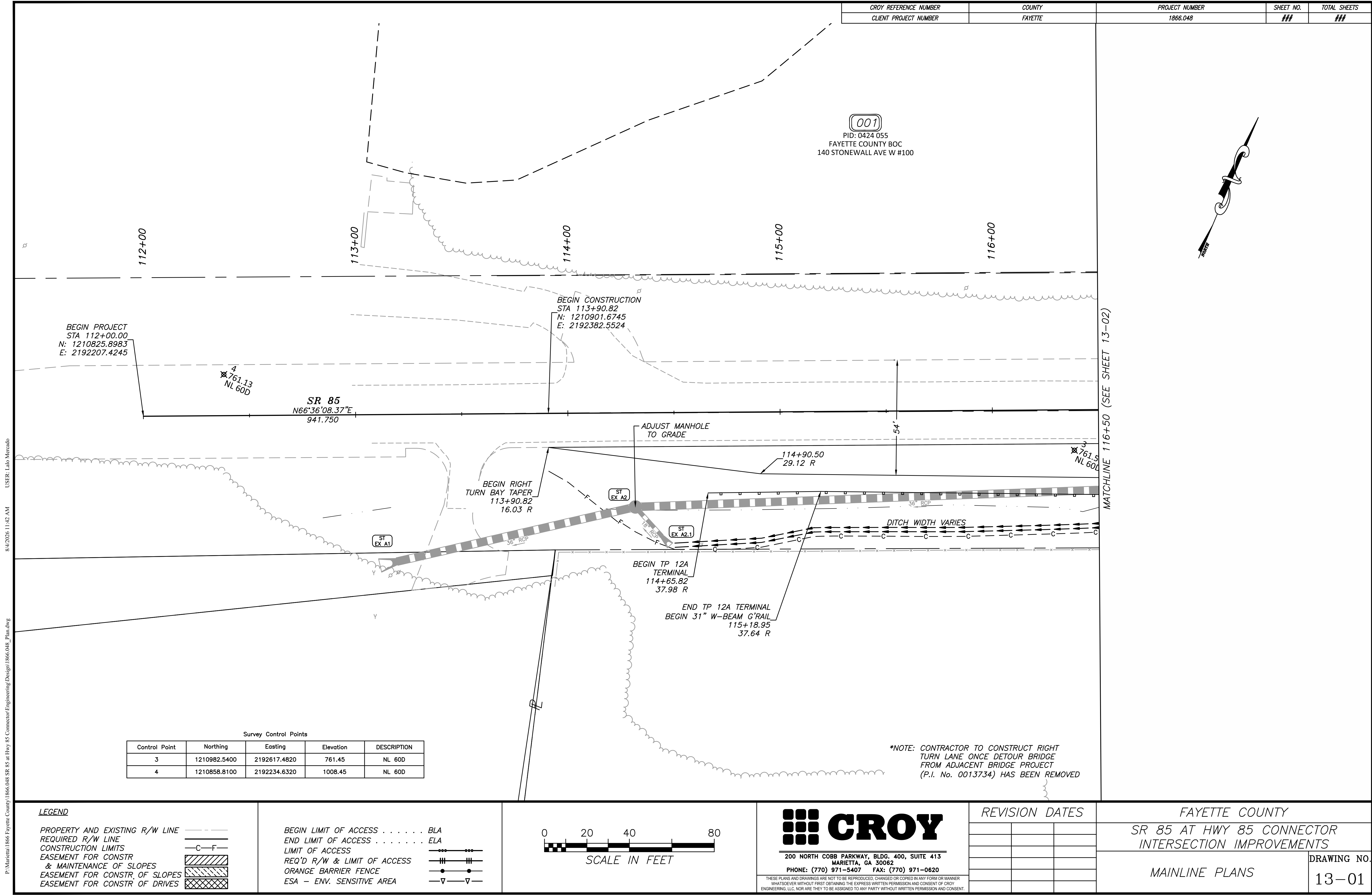
PHONE: (770) 871-5407 FAX: (770) 971-0620

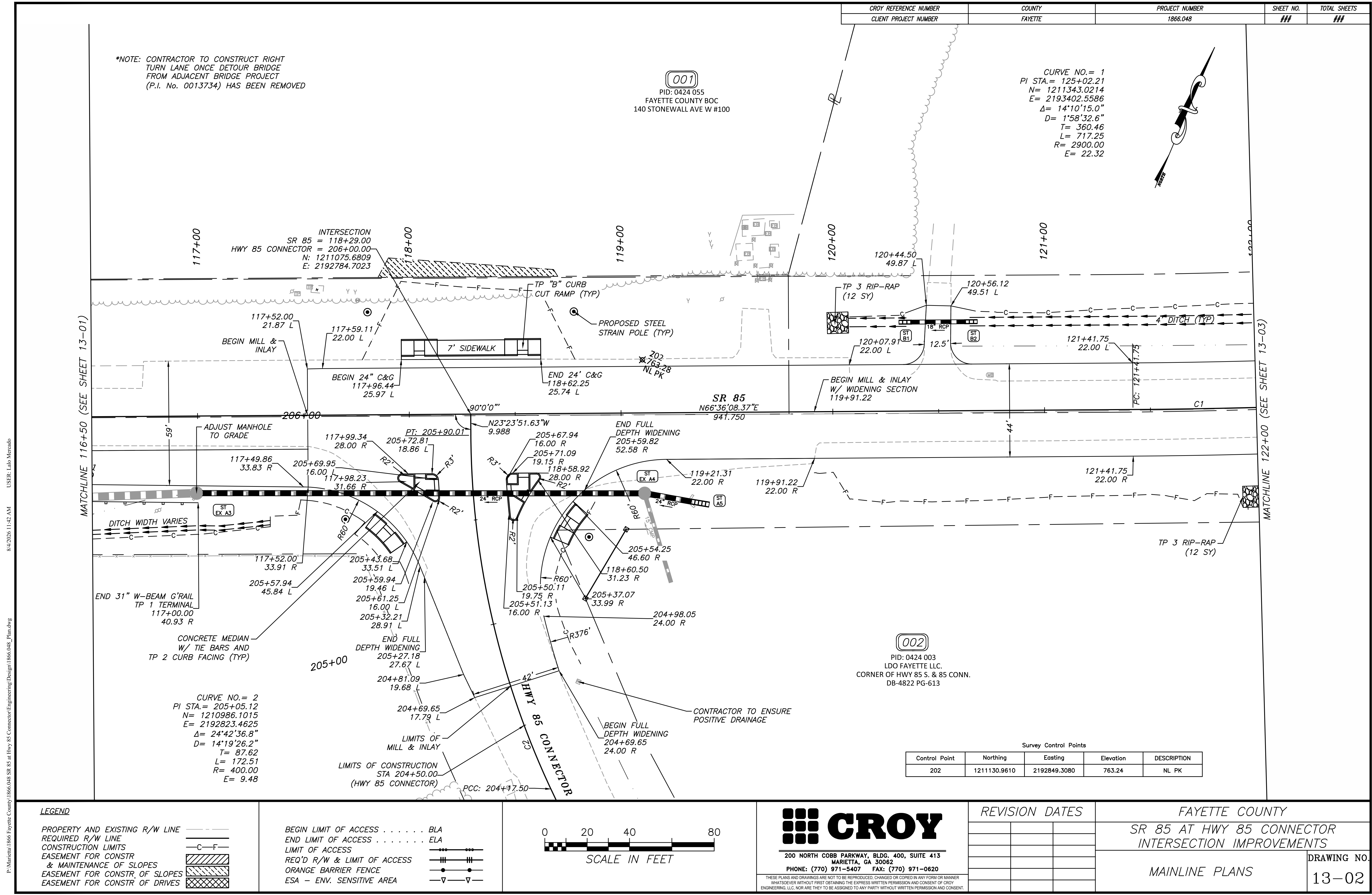
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REVISION DATES			FAYETTE COUNTY	
			SR 85 AT HWY 85 CONNECTOR INTERSECTION IMPROVEMENTS	
			SUMMARY OF QUANTITIES	DRAWING NO.
				06-02





*NOTE: CONTRACTOR TO CONSTRUCT RIGHT TURN LANE ONCE DETOUR BRIDGE FROM ADJACENT BRIDGE PROJECT (P.I. No. 0013734) HAS BEEN REMOVED

001
PID: 0424 055
FAYETTE COUNTY BOC
140 STONEWALL AVE W #100

CURVE NO.= 1
PI STA.= 125+02.21
N= 1211343.0214
E= 2193402.5586
Δ= 14°10'15.0"
D= 1°58'32.6"
T= 360.46
L= 717.25
R= 2900.00
E= 22.32

Survey Control Points				
Control Point	Northing	Easting	Elevation	DESCRIPTION
202	1211130.9610	2192849.3080	763.24	NL PK

LEGEND

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
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA



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REVISION DATES

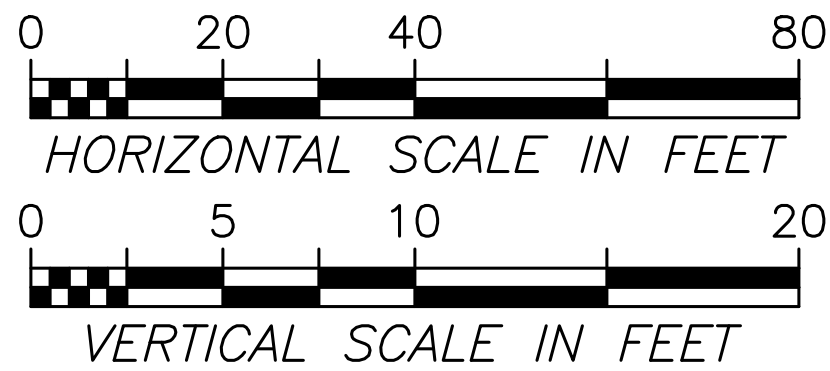
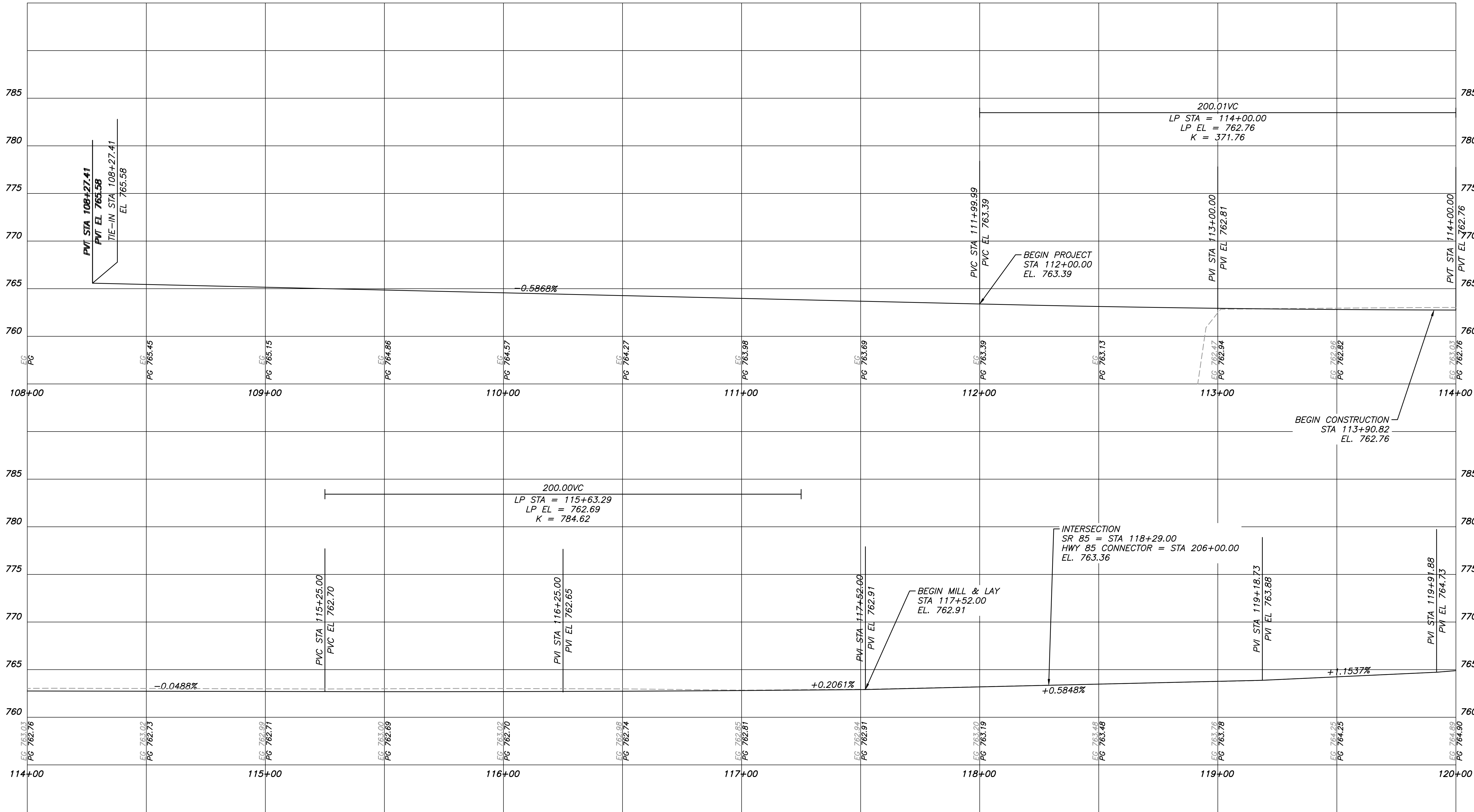
FAYETTE COUNTY
SR 85 AT HWY 85 CONNECTOR
INTERSECTION IMPROVEMENTS

MAINLINE PLANS

DRAWING NO.
13-02

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CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	###	###





CROY

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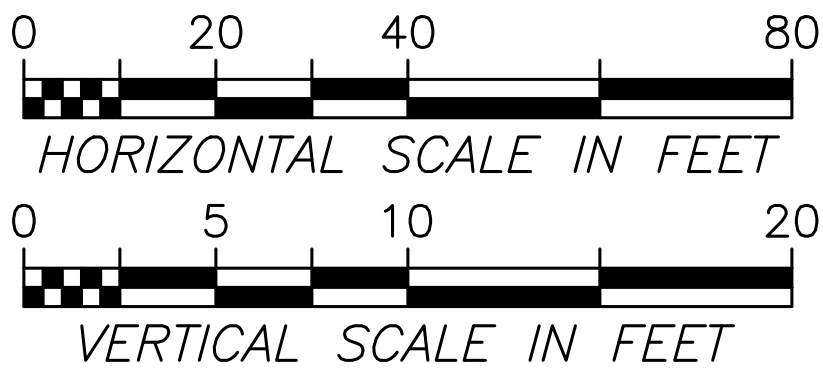
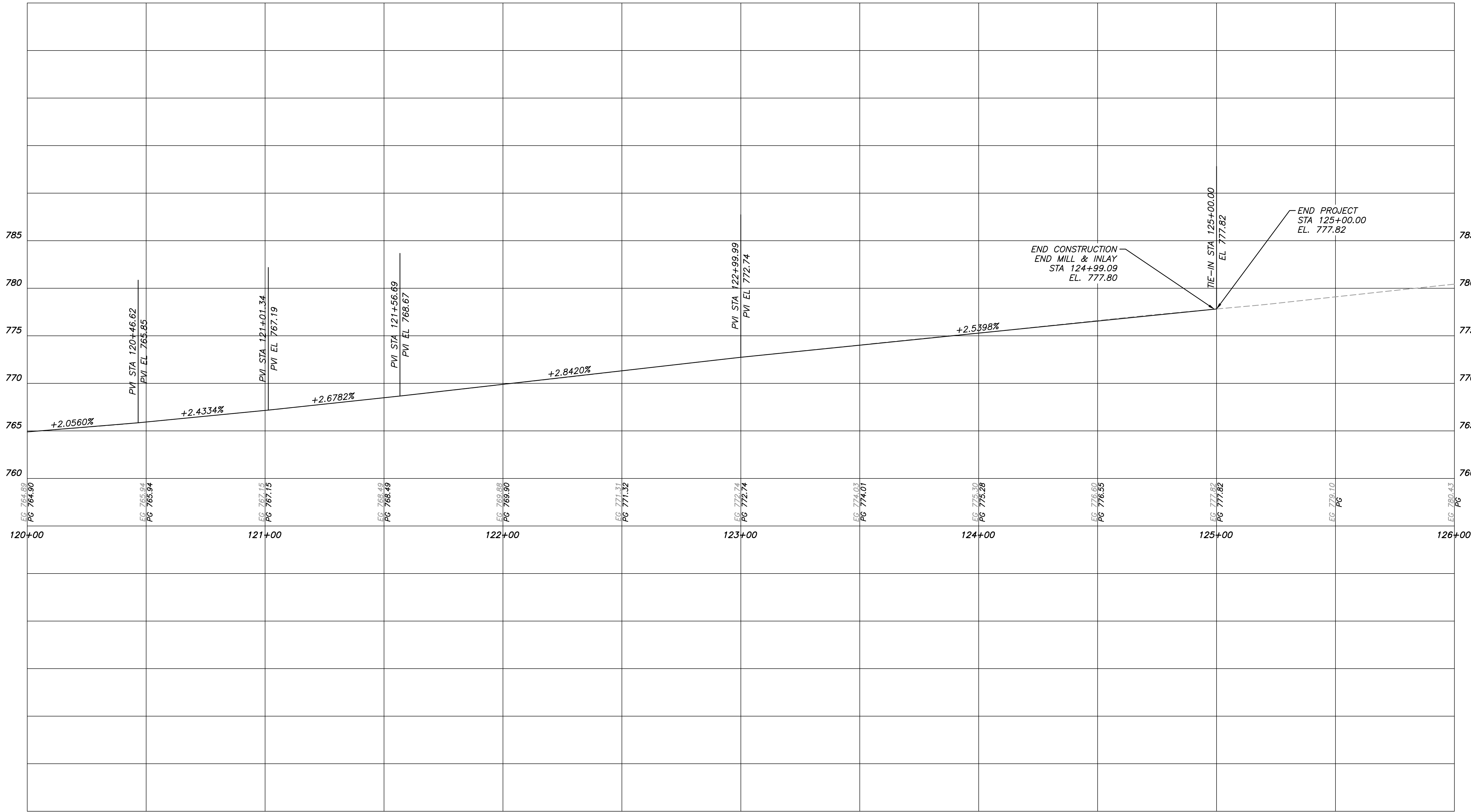
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REVISION DATES		

FAYETTE COUNTY	
SR 85 AT HWY 85 CONNECTOR INTERSECTION IMPROVEMENTS	
MAINLINE PROFILE (SR 85)	DRAWING NO. 15-01

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CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	###	###





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REVISION DATES		

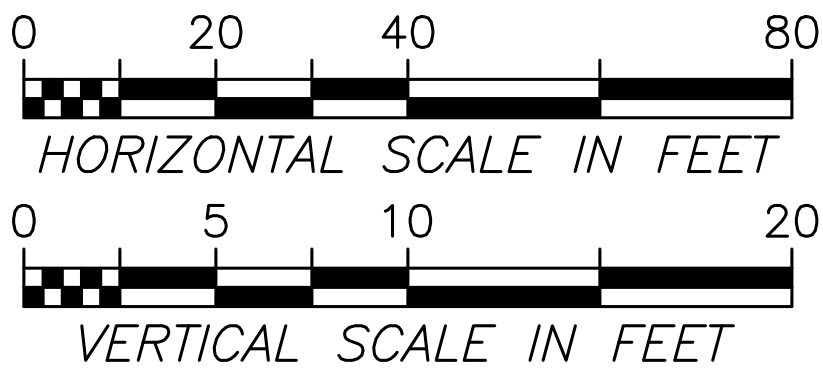
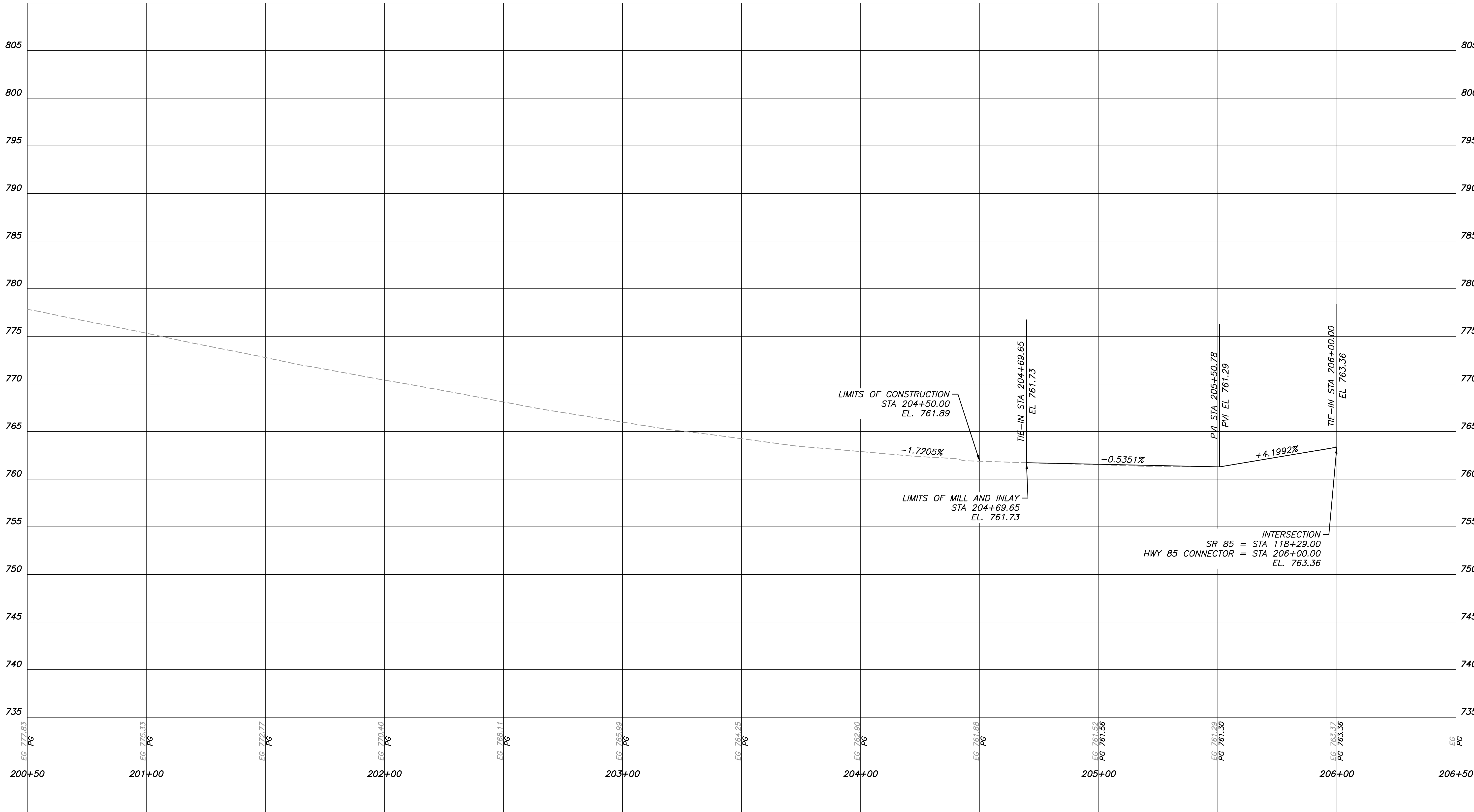
FAYETTE COUNTY
SR 85 AT HWY 85 CONNECTOR
INTERSECTION IMPROVEMENTS

MAINLINE PROFILE (SR 85)

DRAWING NO.
15-02

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CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	###	###





CROY

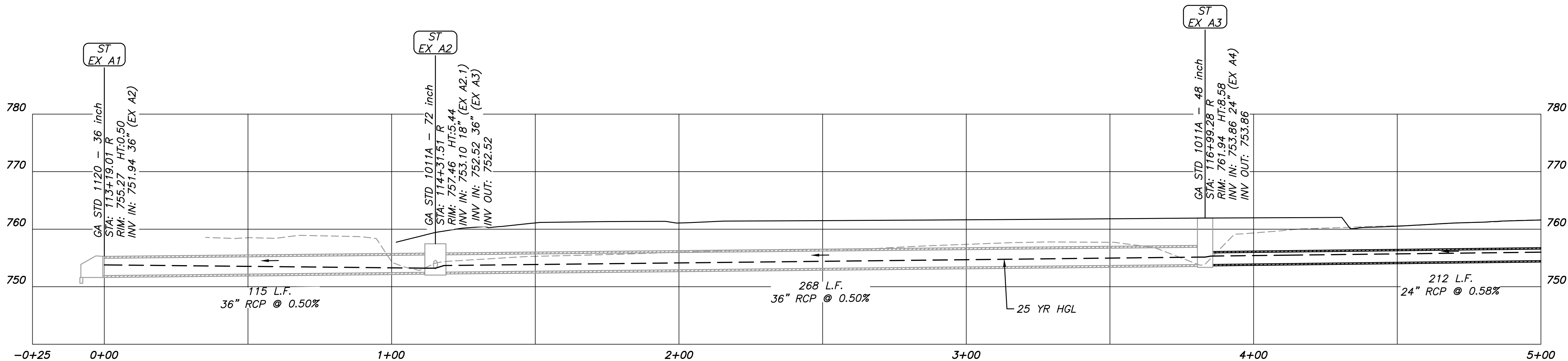
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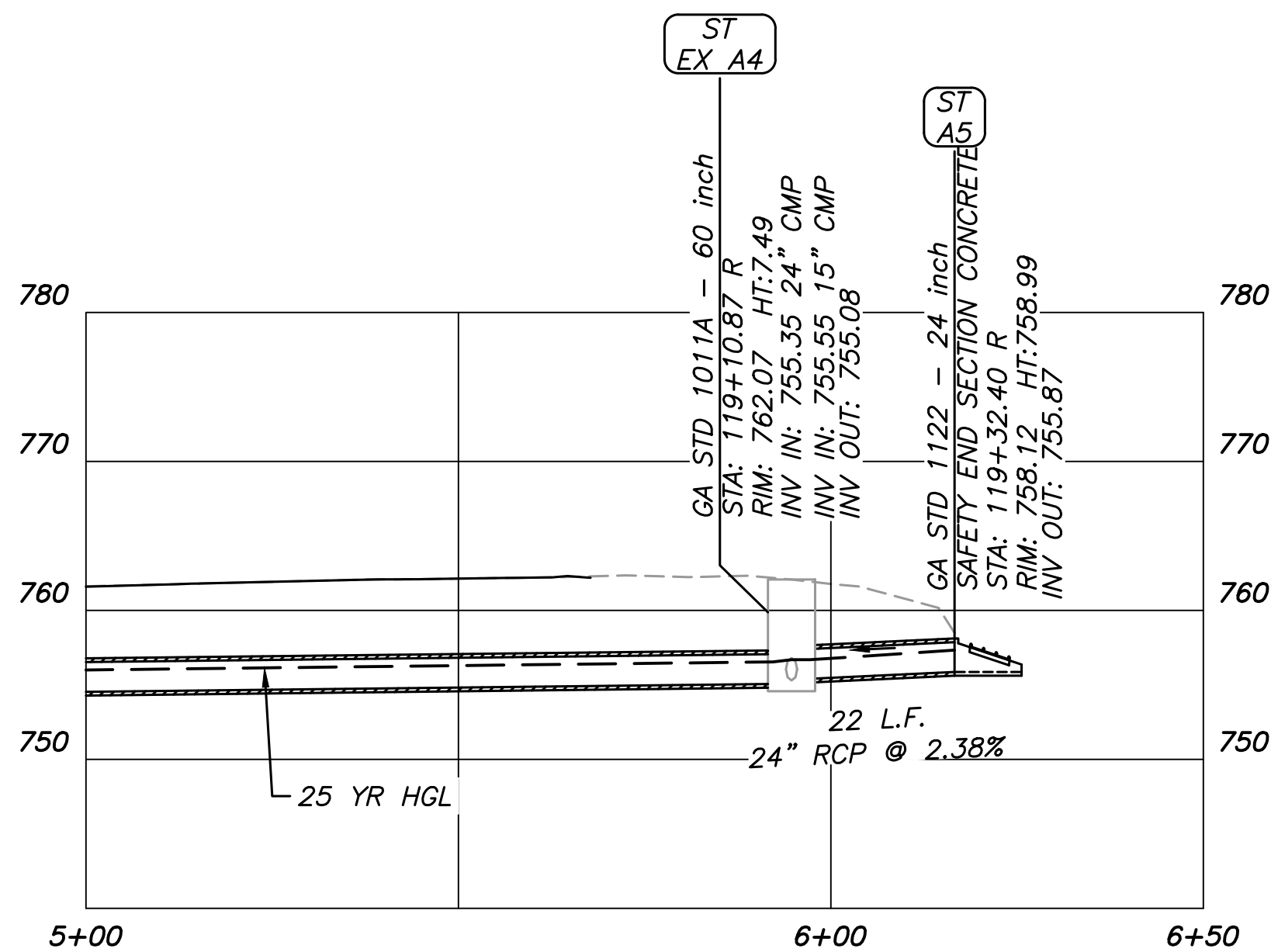
REVISION DATES		

FAYETTE COUNTY	
SR 85 AT HWY 85 CONNECTOR INTERSECTION IMPROVEMENTS	
CROSSROAD PROFILE (HWY 85 CONNECTOR)	DRAWING NO. 16-01

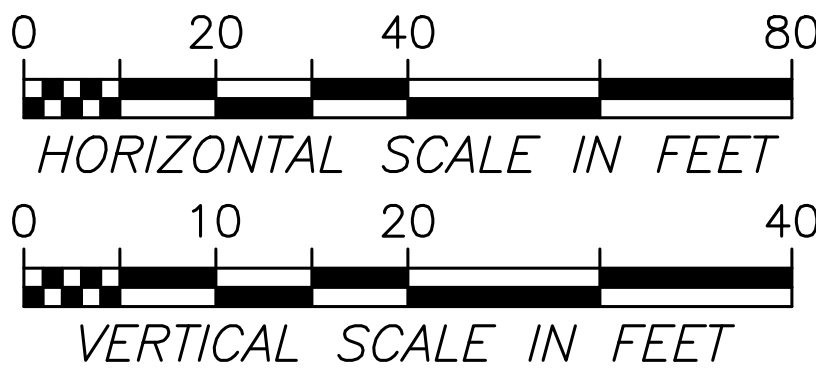
CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	###	###



EX A1 < EX A3



EX A4 < A5



200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413

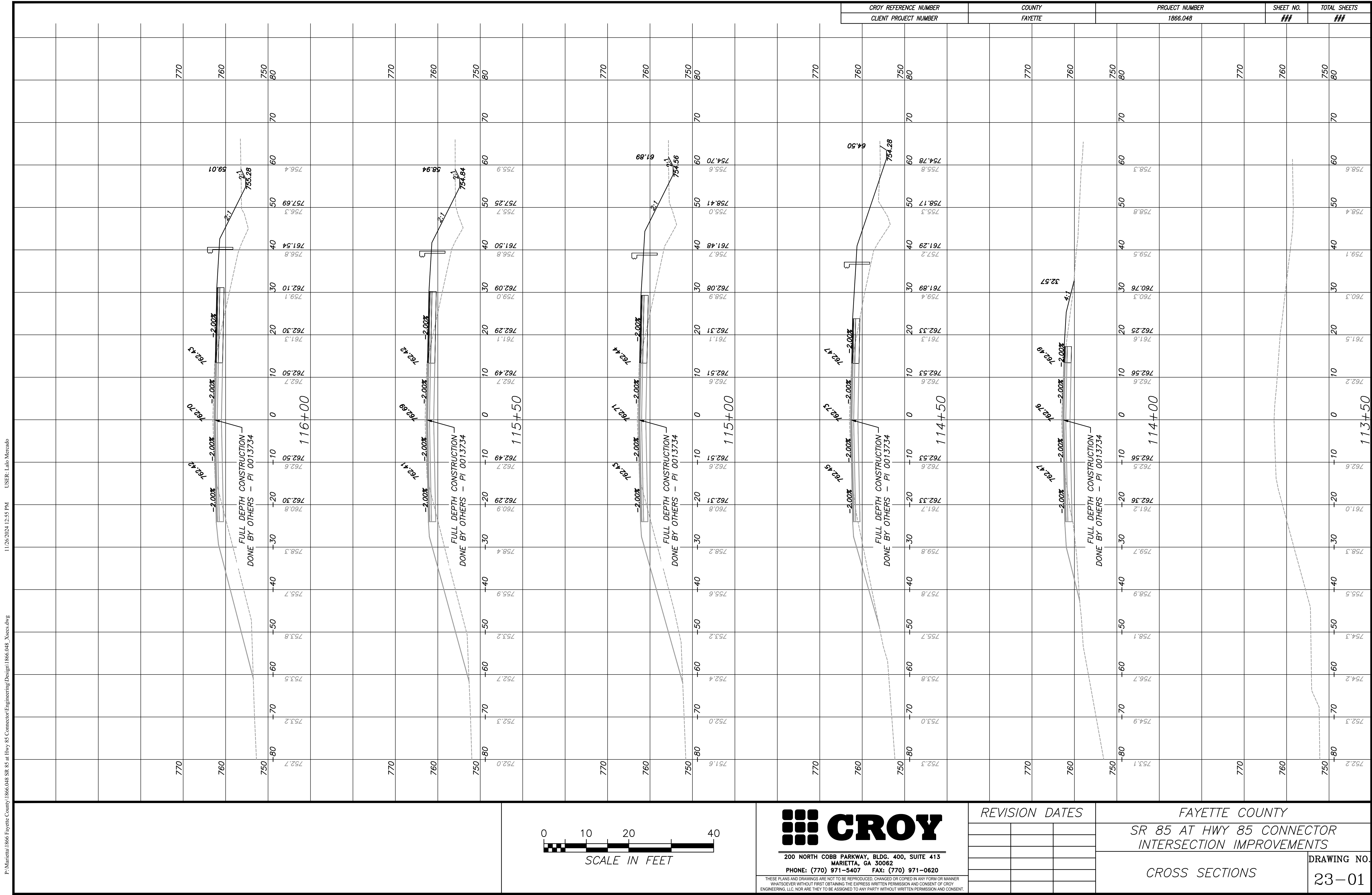
MARIETTA, GA 30062

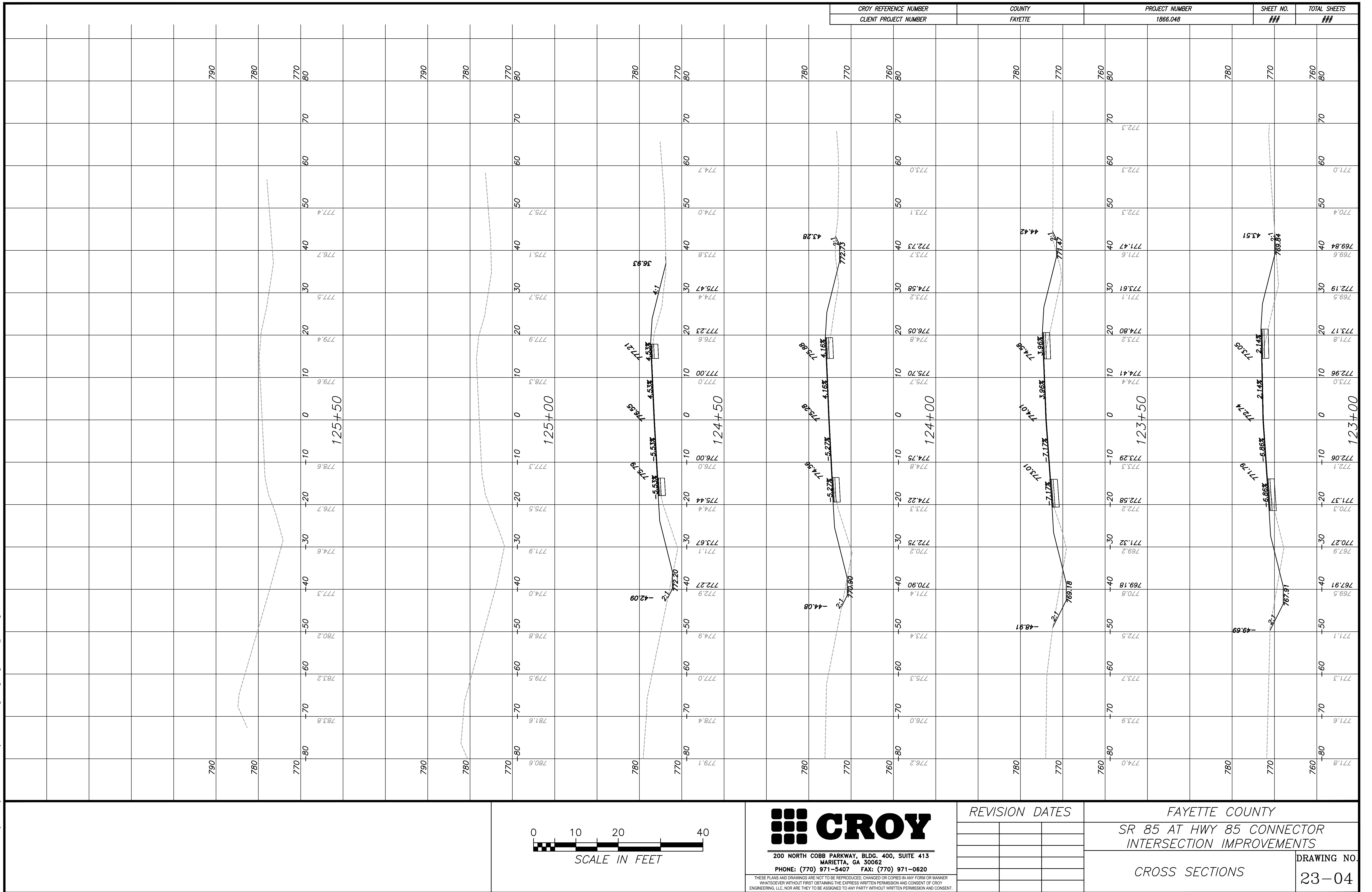
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REVISION DATES		

FAYETTE COUNTY	
SR 85 AT HWY 85 CONNECTOR INTERSECTION IMPROVEMENTS	
STORM PROFILES	DRAWING NO.
	22-01

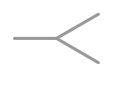




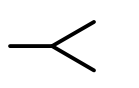
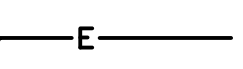
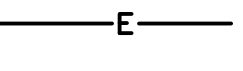
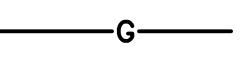
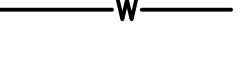
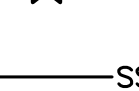
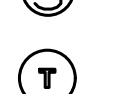
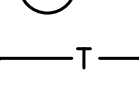
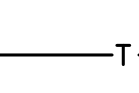
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CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	###	###

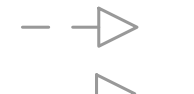
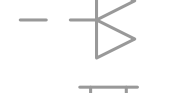
EXISTING UTILITIES

	EXISTING GUY WIRE
	EX. OH ELECTRIC
	EX POWER POLE
	EX TRANSFORMER
	EX. UG ELECTRIC
	EX GAS LINE
	EX GAS METER
	EX GAS VALVE
	EX WATER LINE
	EX FIRE HYDRANT
	EX WATER METER
	EX WATER VALVE
	EX SANITARY SEWER
	EX SS MANHOLE
	EX TELEPHONE MH
	EX OH TELEPHONE
	EX TELEPHONE POLE
	EX UG TELEPHONE
	EX LIGHT POLE
	EX PEDESTRIAN POLE
	EX TRAFFIC BOX
	EX WATER VALVE

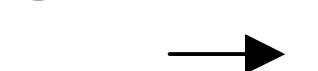
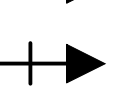
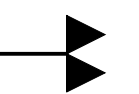
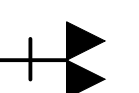
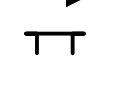
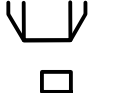
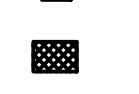
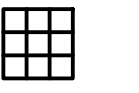
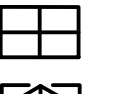
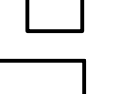
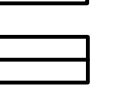
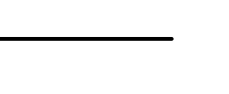
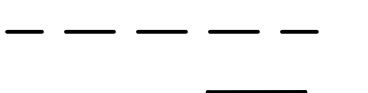
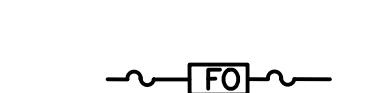
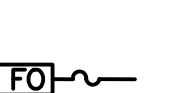
PROPOSED UTILITIES

	PROPOSED GUY WIRE
	PROP. OH ELECTRIC
	PROP. POWER POLE
	PROP. TRANSFORMER
	PROP. UG ELECTRIC
	PROP. GAS LINE
	PROP. GAS METER
	PROP. GAS VALVE
	PROP. WATER LINE
	PROP. FIRE HYDRANT
	PROP. WATER METER
	PROP. WATER VALVE
	PROP. SANITARY SEWER
	PROP. SS MANHOLE
	PROP. TELEPHONE MH
	PROP. OH TELEPHONE
	PROP. TELEPHONE POLE
	PROP. UG TELEPHONE

EXISTING SIGNAL

	CONTROLLER CABINET
	STRAIN POLE
	MAST ARM
	TIMBER POLE
	STREET LIGHT
	3 SECTION HEAD
	5 SECTION HEAD
	OVERHEAD SIGN
	PEDESTAL POLE
	PED SIGNAL HEAD
	CURB CUT RAMP
	PULLBOX, TP 1
	PULLBOX, TP 2
	PULLBOX, TP 3
	PULLBOX, TP 4
	PULLBOX, TP 5
	6x6 PULSE LOOP
	6x18 CALL LOOP
	6x40 PRESENCE LOOP (DIPOLE)
	6x40 PRESENCE LOOP (QUADRUPOLE)
	CONDUIT
	RAILROAD CONTROLLER
	SIGN POST
	AERIAL FIBER OPTIC CABLE
	SPLICE CLOSURE

PROPOSED SIGNAL

	CONTROLLER CABINET
	STRAIN POLE
	MAST ARM
	TIMBER POLE
	DOWN GUY
	LUMINAIRE
	3 SECTION HEAD
	3 SECTION HEAD W/ BACKPLATE
	5 SECTION HEAD
	5 SECTION HEAD W/ BACKPLATE
	OVERHEAD SIGN
	PEDESTAL POLE
	PED SIGNAL HEAD
	CURB CUT RAMP – (See ADA Detail)
	PULLBOX, TP 1
	PULLBOX, TP 2
	PULLBOX, TP 3
	PULLBOX, TP 4
	PULLBOX, TP 5
	6x6 PULSE LOOP
	6x18 CALL LOOP
	6x40 PRESENCE LOOP (DIPOLE)
	6x40 PRESENCE LOOP (QUADRUPOLE)
	CONDUIT
	AERIAL SPAN
	RAILROAD CONTROLLER
	SIGN POST
	UNDERGROUND FIBER OPTIC CABLE
	AERIAL FIBER OPTIC CABLE
	VIDEO DETECTION ZONE
	IVDS CAMERA



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REVISION DATES

FAYETTE COUNTY

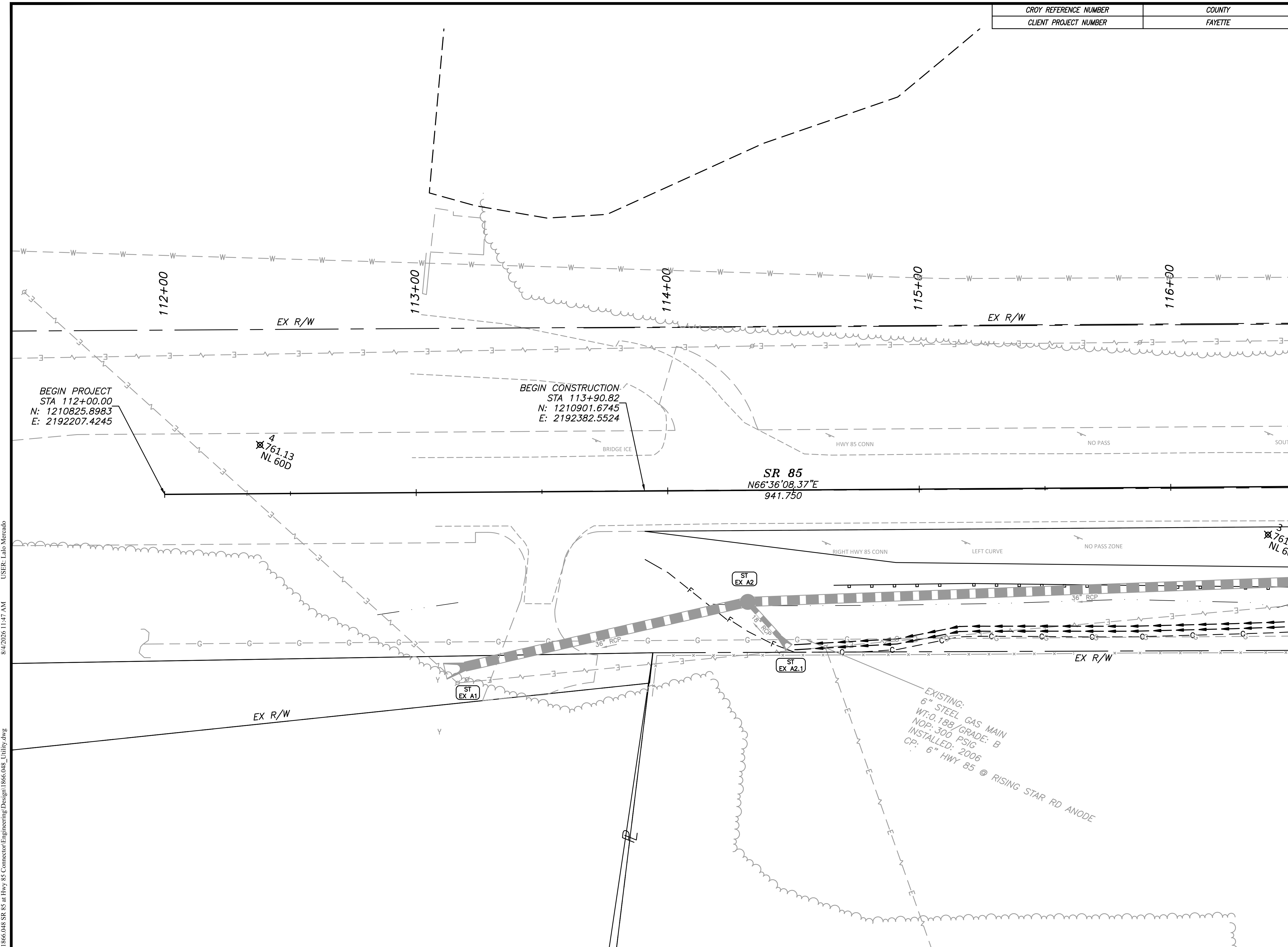
SR 85 AT HWY 85 CONNECTOR
INTERSECTION IMPROVEMENTS

UTILITY PLAN LEGEND

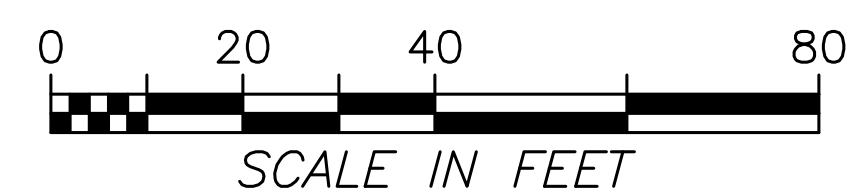
DRAWING NO.

24-00

CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	###	###



BEGIN LIMIT OF ACCESS	BLA	
END LIMIT OF ACCESS	ELA	
LIMIT OF ACCESS		
REQ'D R/W & LIMIT OF ACCESS		
ORANGE BARRIER FENCE		
ESA - ENV. SENSITIVE AREA		



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REVISION DATES		

FAYETTE COUNTY

SR 85 AT HWY 85 CONNECTOR
INTERSECTION IMPROVEMENTS

UTILITY PLANS

DRAWING NO.

24-01

USER: Lalo Mercado

8/4/2026 11:47 AM

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MATCHLINE 116+50 (SEE SHEET 24-02)

CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	##	##

CURVE NO.= 1
 PI STA.= 125+02.21
 N= 1211343.0214
 E= 2193402.5586
 Δ= 14°10'15.0"
 D= 1°58'32.6"
 T= 360.46
 L= 717.25
 R= 2900.00
 E= 22.32

END CONSTRUCTION
 STA 124+99.09
 N: 1211361.6031
 E: 2193390.1323

END PROJECT
 STA 125+00.00
 N: 1211362.0633
 E: 2193390.9147

SR 85
 C1

EXISTING:
 6" STEEL GAS MAIN
 W/O 188' GRADE: B
 NOP: 300 PSIG
 INSTALLED: 2006
 CP: 6" HWY 85 @ RISING STAR RD ANODE

LEGEND

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
 ORANGE BARRIER FENCE
 ESA - ENV. SENSITIVE AREA



CROY

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 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620

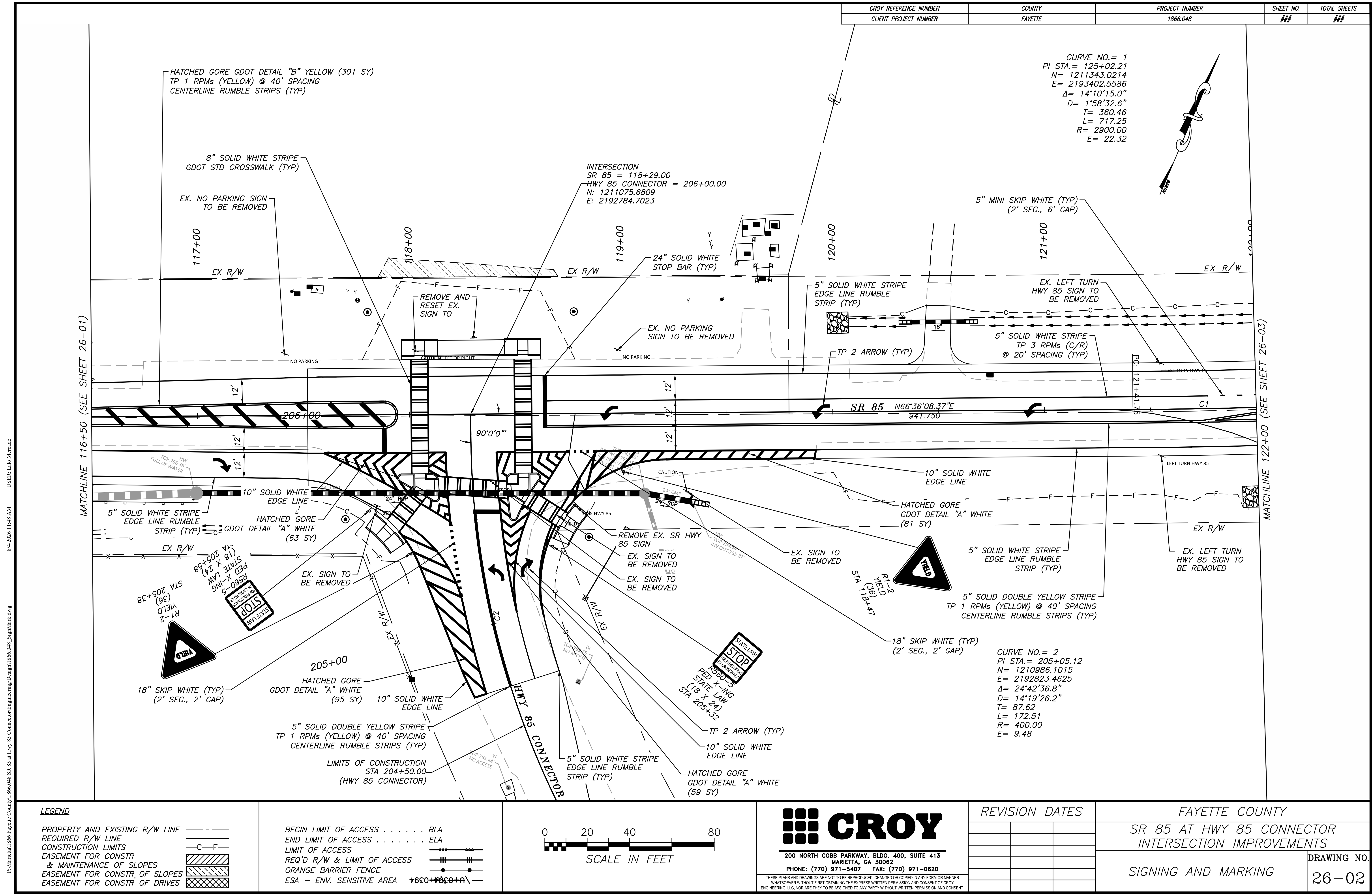
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 WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF CROY
 ENGINEERING, LLC. NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT WRITTEN PERMISSION AND CONSENT.

REVISION DATES

FAYETTE COUNTY
 SR 85 AT HWY 85 CONNECTOR
 INTERSECTION IMPROVEMENTS

UTILITY PLANS

DRAWING NO.
 24-03



CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	##	##

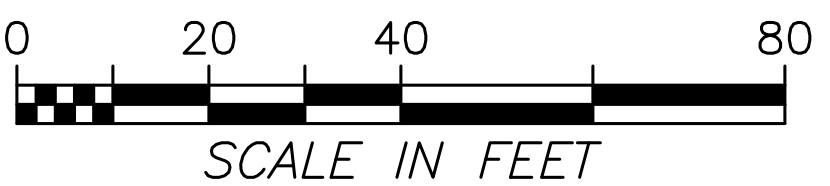
CURVE NO.= 1
PI STA.= 125+02.21
N= 1211343.0214
E= 2193402.5586
Δ= 14°10'15.0"
D= 1°58'32.6"
T= 360.46
L= 717.25
R= 2900.00
E= 22.32

CURVE NO.= 2
PI STA.= 205+05.12
N= 1210986.1015
E= 2192823.4625
Δ= 24°42'36.8"
D= 14°19'26.2"
T= 87.62
L= 172.51
R= 400.00
E= 9.48

LEGEND

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
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA



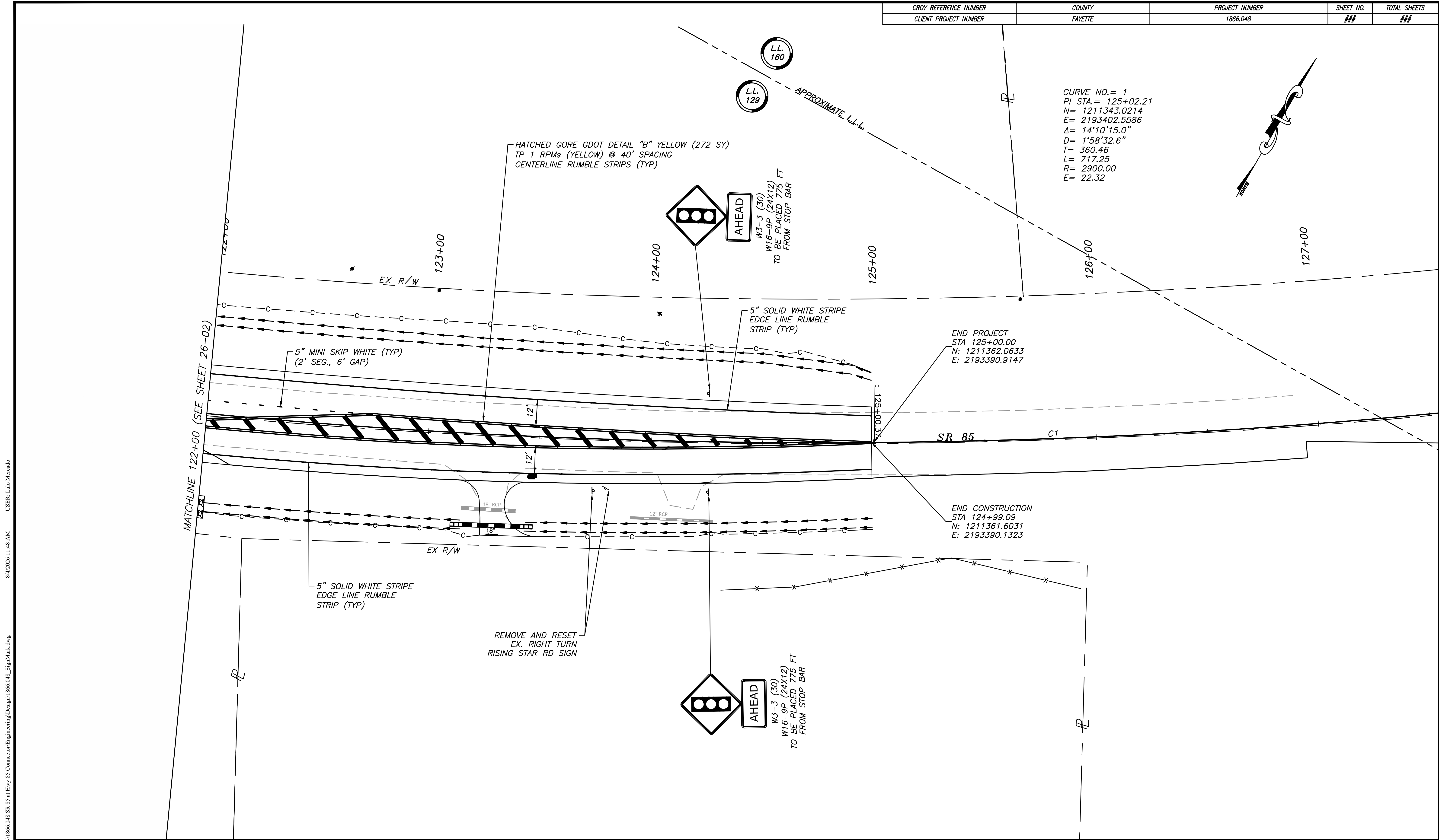
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MARIETTA, GA 30062
PHONE: (770) 871-5407 FAX: (770) 971-0620

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REVISION DATES

FAYETTE COUNTY	
SR 85 AT HWY 85 CONNECTOR INTERSECTION IMPROVEMENTS	
SIGNING AND MARKING	DRAWING NO. 26-02



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CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	###	###

CURVE NO. = 1
PI STA. = 125+02.21
N= 1211343.0214
E= 2193402.5586
Δ= 14°10'15.0"
D= 1°58'32.6"
T= 360.46
L= 717.25
R= 2900.00
E= 22.32

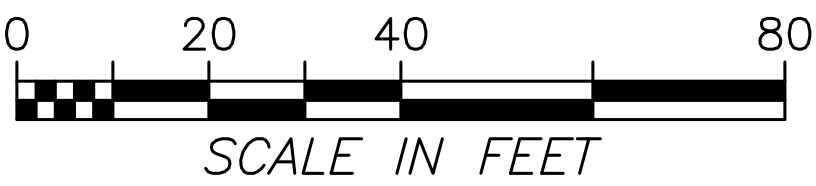
END PROJECT
STA 125+00.00
N: 1211362.0633
E: 2193390.9147

END CONSTRUCTION
STA 124+99.09
N: 1211361.6031
E: 2193390.1323

LEGEND

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
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA



CROY
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REVISION DATES

FAYETTE COUNTY
SR 85 AT HWY 85 CONNECTOR
INTERSECTION IMPROVEMENTS

SIGNING AND MARKING

DRAWING NO.
26-03

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CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	###	###

TRAFFIC SIGNAL GENERAL NOTES:

1. THE COMPLETE SIGNAL INSTALLATION, MODIFICATION AND/OR REBUILD SHALL CONFORM TO ALL APPROPRIATE PARTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES CURRENT EDITION INCLUDING SUBSEQUENT PUBLISHED RULINGS.
2. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL INSTALLATION WORK. THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN THE CURRENT GDOT SPECIFICATIONS AND/OR SPECIAL PROVISIONS.
3. ALL INSTALLATION MATERIALS AND METHODS SHALL COMPLY WITH THE CURRENT GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS AND SPECIAL PROVISIONS.
4. THE CONTRACTOR SHALL MAINTAIN EXISTING COMMUNICATIONS DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COMMUNICATION ADJUSTMENTS, INCLUDING TEMPORARY SUPPORT POLE LOCATION(S) REQUIRED BY THE PROJECT DURING THE INTERIM PERIOD THROUGH INSTALLATION OF NEW SIGNAL EQUIPMENT. AT NO TIME SHALL THE CONTRACTOR CAUSE ANY PART OF THE COMMUNICATIONS TO BE INOPERABLE. ANY NECESSARY INTERRUPTION IN COMMUNICATION OR OPERATION DUE TO CONSTRUCTION MUST BE APPROVED BY GDOT TRAFFIC ENGINEER OR HIS/HER DESIGNEE.
5. THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES IN THE VICINTY OF NEW TRAFFIC SIGNAL POLES, CONDUIT, AND PULL BOXES BEFORE INSTALLATION. MINOR SHIFTS (UP TO A MAXIMUM OF FIVE (5) FEET) IN THE LOCATION OF NEW SIGNAL POLES, CONDUIT, AND PULL BOXES, SHALL BE AT THE DISCRETIONOF THE GDOT TRAFFIC ENGINEER.
6. PROVIDE A MINIMUM OF 10’ CLEARANCE BETWEEN POWER LINES AND CONCRETE STRAIN POLES. RAISE POWER LINES IF NECESSARY.
7. POLE FOUNDATIONS SHALL CONFORM TO GDOT STANDARD CAISSON DETAILS FOR SITE SOIL STRENGTH. FOUNDATIONS SHALL BE ENLARGED AS NECESSARY TO COMPENSATE FOR INFERIOR OR FILL SOIL.
8. SIGNAL HEADS SHALL BE ERECTED TO PROVIDE AT LEAST 17 TO 19 FEET CLEARANCE FROM BOTTOM OF SIGNAL HEADS TO TOP OF ROAD SURFACE AND A MINIMUM OF 8 FEET MEASURED HORIZONTALLY BETWEEN CENTERS OF SIGNAL HEADS.
9. WHERE SIGNAL AND PEDESTRIAN HEADS ARE INDICATED TO BE INSTALLED OR REPLACED THIS SHALL INCLUDE ANY AND ALL HARDWARE TO COMPLETE THE INSTALLATION.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NEW GUYS ON EXISTING UTILITY TIMBER POLES WHEN ATTACHING SPAN WIRE OR INTERCONNECT CABLE TO THE POLES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
11. THE GDOT DISTRICT SIGNAL SUPERVISOR (770-387-3632) MUST BE CONTACTED THREE (3) DAYS IN ADVANCE OF SETTING THE CONCRETE STRAIN POLES TO VERIFY LOCATION AND CONDUIT PLACEMENT.
12. INSTALLATION IS TO BE CHECKED AND ACCEPTED BY THE GDOT TRAFFIC ENGINEER OR HIS/HER DESIGNEE PRIOR TO FINAL ACCEPTANCE.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND MAINTAIN CONTROL OF THE SIGNAL UNTIL FINAL ACCEPTANCE OF THE SIGNAL BY GEORGIA DEPARTMENT OF TRANSPORTATION.
14. ALL TRAFFIC SIGNAL EQUIPMENT SHOULD BE ON THE GDOT APPROVED QUALIFIED PRODUCTS LIST (QPL).
15. TRAFFIC SIGNAL HEADS ARE REQUIRED WITH L.E.D. (ITE STANDARD) MODULES.

16. PEDESTRIAN SIGNAL HEADS SHALL BE L.E.D. (ITE STANDARD) PEDESTRIAN AND COUNTDOWN (16” X 18” TYPE W/OVERLAPPING FULLY POPULATED HAND AND MAN + COUNTDOWN) AND SHALL BE INSTALLED FOR ALL PEDESTRIAN SIGNAL HEADS.
17. GROUNDING SHALL BE 5 OHMS OR LESS.
18. CONNECT POWER SERVICE TO CABINET WITH 1 INCH RIGID CONDUIT.
19. MATERIALS LISTED FOR SIGNAL INSTALLATION ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL DETERMINE THE MATERIALS AND QUANTITIES REQUIRED FOR THE COMPLETE AND ACCEPTED INSTALLATION.
20. THE SIGNAL CONTRACTOR IS RESPONSIBLE FOR RELOCATIONS OF ANY FIBER OPTIC CABLES ASSOCIATED WITH THIS PROJECT, INCLUDING POWER SERVICE TO SIGNAL EQUIPMENT.
21. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY CONDITIONS PRIOR TO ANY CONSTRUCTION. DAMAGE TO EXISTING UTILITY LINES RESULTING FROM THE CONTRACTOR NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
22. THE CONTRACTOR SHALL ADHERE TO THE CALL BEFORE YOU DIG LAW BY CALLING THE UNDERGROUND PROTECTION CENTER AT GEORGIA811 BEFORE BEGINNING CONSTRUCTION.
23. THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES TO PROVIDE APPROPRIATE CLEARANCES FROM UTILITIES.
24. STRUCTURAL CERTIFICATION FOR THE EXISTING WOOD POLE TO ALSO SUPPORT THE SIGNAL EQUIPMENT TO BE PROVIDED TO GDOT PRIOR TO CONSTRUCTION.

PROPOSED SIGNAL

- ☒ CONTROLLER CABINET
- ⦿ STRAIN POLE
- ===== MAST ARM
- TIMBER POLE
- < DOWN GUY
- ~ LUMINAIRE
- 3 SECTION HEAD
- + 3 SECTION HEAD W/ BACKPLATE
- +→ 4 SECTION (FYA) HEAD W/ BACKPLATE
- ⌈ OVERHEAD SIGN
- ⦿ PEDESTAL POLE
- ⦿ PED SIGNAL HEAD
- ⌋ CURB CUT RAMP – (See ADA Detail)
- PULLBOX, TP 1
- PULLBOX, TP 2
- ▢ PULLBOX, TP 3
- ▤ PULLBOX, TP 4
- ▥ PULLBOX, TP 5
- ▧ 6x6 RADAR DETECTION ZONE
- ▨ 6x40 PRESENCE RADAR DETECTION ZONE
- ===== CONDUIT
- - - - AERIAL SPAN
- └ SIGN POST



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				SR 85 AT HWY 85 CONNECTOR INTERSECTION IMPROVEMENTS	
				SIGNAL PLAN	DRAWING NO. 27-01

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USER: Lalo Mercado

** FOR INFORMATION ONLY **

LIST OF MATERIALS TRAFFIC SIGNAL INSTALLATION NO.1		
MATERIALS	UNIT	QUANTITY
NON-NEMA CABINET, CONTROLLER ASSEMBLIES		
A. CABINET ASSEMBLY, MODEL 332A W AUXILLIARY OUTPUT FILE	EACH	1
B. SWITCH PACK (LOAD SWITCH)	EACH	12
C. DC ISOLATOR	EACH	3
D. 2010 ECLIP CONFLICT MONITOR. EXTENDED FEATURES	EACH	1
E. 2070 CONTROLLER W/ CURRENT GDOT OPERATING SOFTWARE	EACH	1
F. 2-CHANNEL LOOP DETECTOR	EACH	4
G. 332 CABINET BASE	EACH	1
H. 332 CABINET WORKPADS	EACH	2
LOOP / PED DETECTOR LEAD-IN WIRE		
A. 3 PAIR,18 AWG	REEL	3
SIGNAL CABLE		
B. 7-CONDUCTOR, (14 AWG)	REEL	3
ONE-WAY, 3-SECTION, 12" , LED, TRAFFIC SIGNAL HEAD. PLASTIC	EACH	6
ONE-WAY, 4-SECTION, 12" , LED, TRAFFIC SIGNAL HEAD. PLASTIC	EACH	1
BACK PLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD-2" RETROREFLECTIVE TP	EACH	6
BACK PLATE FOR ONE-WAY, 4-SECTION, 12" SIGNAL HEAD-2" RETROREFLECTIVE TP	EACH	1
ONE-WAY I-SECTION, 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP, 9" HIGH NUMBERS & 12" SYMBOLS	EACH	6
PEDESTRIAN PUSH BUTTON STATION ASSEMBLY		
A. 9"X15", PUSH BUTTON STATION, ONE-WAY, WITH ADAPTERS TO EXTEND FOR 9"X15" SIGNS	EACH	6
PEDESTRIAN SIGN		
A. 9"X15", RIO-3E, (L)EFT OR (R)IGHT, STANDARD	EACH	6
PEDESTAL POLE, 10 FT W/ DECORATIVE BASE	EACH	4
HARDWARE FOR TOP-OF-POLE, ONE-WAY BRACKET ASSEMBLY	EACH	2
HARDWARE FOR TOP-OF-POLE, TWO-WAY BRACKET ASSEMBLY	EACH	2
PULLBOX, TYPE 2	EACH	11
PULLBOX, TYPE 3	EACH	3
CONDUIT, NONMETAL, TP 2, 1"	LIN FT	150
CONDUIT, NONMETAL, TP 2, 2"	LIN FT	190
CONDUIT, NONMETAL, TP 3, 2"	LIN FT	1110
CONDUIT, RIGID, 1"	LIN FT	80
OVERHEAD SIGNS		
A. D3-1 #1 (HWY 85 CONNECTOR)	EACH	1
B. D3-1 #2 (SR 85)	EACH	2
C. R10-5A (LEFT-TURN YIELD)	EACH	1
MISC. MAT'L TO COMPLETE INSTALLATION NO.1	LUMP	1

NOTE:
MATERIALS LISTED FOR SIGNAL INSTALLATION ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL DETERMINE THE MATERIALS AND QUANTITIES REQUIRED FOR THE COMPLETE AND ACCEPTED INSTALLATION.

CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	###	###

332 CABINET INPUT ASSIGNMENT

SLOT		1	2	3	4	5	6	7	8	9	10	11	12	13	14
UPPER INPUT FILE															
CHANNEL 1	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD		2-CH				2-CH						DC ISO	DC ISO	DC ISO
	C1 PIN	56	39	63	47	58	41	65	49	60		80	67	68	81
	FUNCTION		L2										0 2 PED	0 6 PED	FLASH
CHANNEL 2	FIELD TERM	TB2 1,2	TB2 5,6	TB2 9,10	TB4 1,2	TB4 5,6	TB4 9,10	TB6 1,2	TB6 5,6	TB6 9,10			TB8 4,6	TB8 7,9	N/C
	C1 PIN	56	43	76	47	58	45	78	49	62		53	69	70	82
	FUNCTION													0 8 PED	STOP TIME
	FIELD TERM	TB2 3,4	TB2 7,8	TB2 11,12	TB4 3,4	TB4 7,8	TB4 11,12	TB6 3,4	TB6 7,8	TB6 11,12			TB8 5,6	TB8 8,9	N/C
LOWER INPUT FILE															
CHANNEL 1	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
	CARD	2-CH	2-CH				2-CH								
	C1 PIN	55	40	64	48	57	42	66	50	59		54	71	72	51
	FUNCTION	L5	L6				L8								
CHANNEL 2	FIELD TERM	TB3 1,2	TB3 5,6	TB3 9,10	TB5 1,2	TB5 5,6	TB5 9,10	TB7 1,2	TB7 5,6	TB7 9,10			TB9 4,6	TB9 7,9	TB9 10,12
	C1 PIN	55	44	77	48	57	46	79	50	61		75	73	74	52
	FUNCTION														
	FIELD TERM	TB3 3,4	TB3 7,8	TB3 11,12	TB5 3,4	TB5 7,8	TB5 11,12	TB7 3,4	TB7 7,8	TB7 11,12			TB9 5,6	TB9 8,9	TB9 11,12

PAY ITEM			
ITEM NO.	DESCRIPTION	UNITS	QUANTITY
639-2002	STEEL WIRE STRAND CABLE, 3/8 IN	LIN FT	400
639-3004	STEEL STRAIN POLE, TP IV	EACH	4
647-1000	TRAFFIC SIGNAL INSTALLATION NO.1	LUMP	1
647-2141	PULLBOX, PB-4	EACH	1
682-9950	DIRECTIONAL BORE, DESC: 3 IN	LIN FT	820
682-9950	DIRECTIONAL BORE, DESC: 5 IN	LIN FT	80



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REVISION DATES

FAYETTE COUNTY

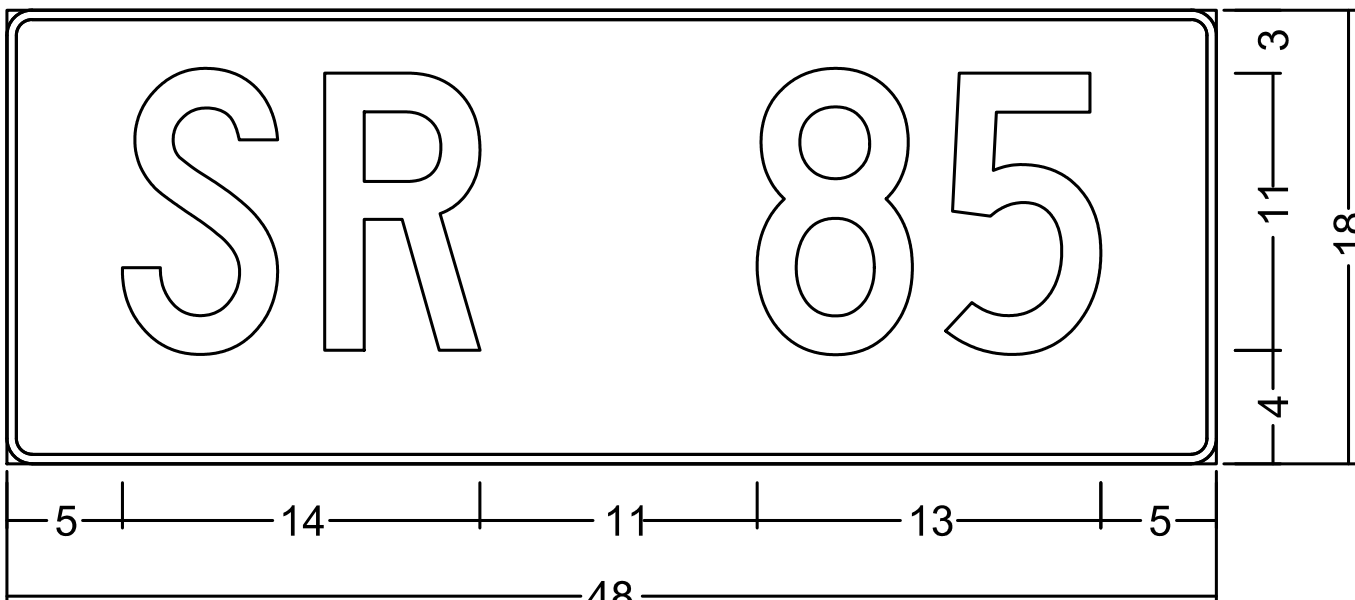
SR 85 AT HWY 85 CONNECTOR INTERSECTION IMPROVEMENTS

SIGNAL PLAN

DRAWING NO.
27-03

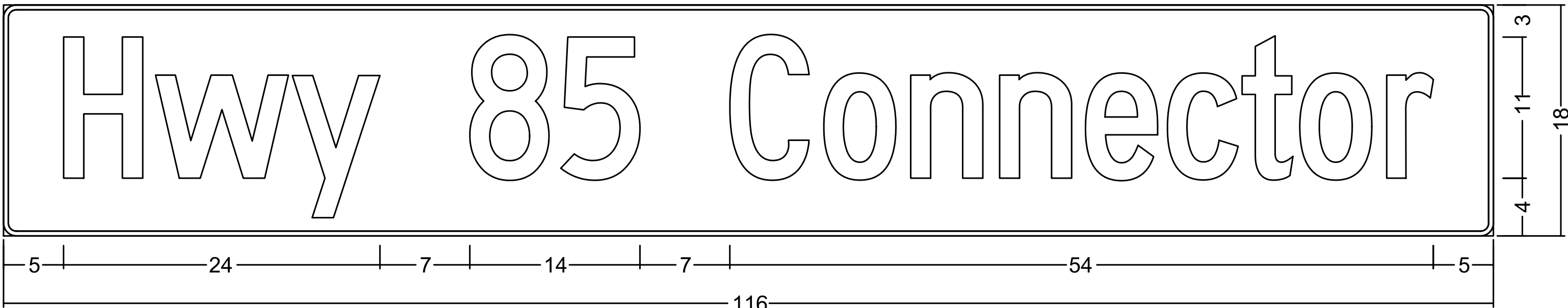
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CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	##	##



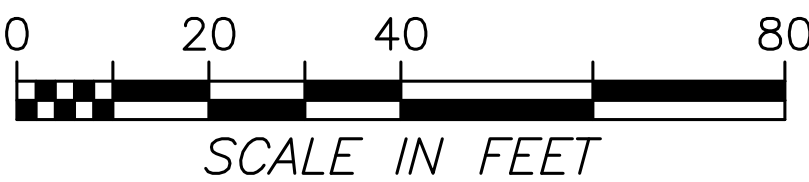
1" Radius, 0" Border, White on, Green;
"SR 85", C 2K;

D3-1 (1 REQ'D)



1" Radius, 0" Border, White on, Green;
"Hwy", C 2K 70% spacing; "85", C 2K 70% spacing; "Connector", C 2K 70% spacing;

D3-1 (2 REQ'D)





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REVISION DATES

FAYETTE COUNTY
SR 85 AT HWY 85 CONNECTOR
INTERSECTION IMPROVEMENTS

SIGNAL PLAN

DRAWING NO.
27-04

	CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
	CLIENT PROJECT NUMBER	FAYETTE	1866.048	##	##

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD: Towaliga SWCD

Project Name: SR 85 at SR 85 Connector Improvement;Address: SR 85 AT HWY 85 Connector, Fayette county, Georgia

Local Issuing Authority: Fayette

Date on Plans: December 2nd, 2024

Name & email of person filling out checklist:

Lalo Mercado, amercado@croyeng.com

Plan		TO BE SHOWN ON ES&PC PLAN	Plan		TO BE SHOWN ON ES&PC PLAN				
Page #	Y/N		Page #	Y/N					
51-01	Yes	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)	51-02	Yes	29 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).				
50-01	Yes	2 Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)	51-03	Yes	30 Provide complete requirements of inspections and record keeping by the primary permittee. *				
50-01	Yes	3 The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.	51-03	Yes	31 Provide complete requirements of Sampling Frequency and Reporting of sampling results. *				
50-01	Yes	4 Provide the name, address, email address, and phone number of primary permittee.	51-03	Yes	32 Provide complete details for Retention of Records as per Part IV.F. of the permit. *				
51-01	Yes	5 Note total and disturbed acreages of the project or phase under construction.	51-03	Yes	33 Description of analytical methods to be used to collect and analyze the samples from each location. *				
50-01	Yes	6 Provide the GPS locations of the beginning and end of the infrastructure project. Give the Latitude and Longitude in decimal degrees.	51-03	Yes	34 Appendix B rationale for NTU values at all outfall sampling points where applicable. *				
50-01	Yes	7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.	55-01	Yes	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. *				
51-02	Yes	8 Descriptions of the nature of construction activity and existing site conditions.	51-02	Yes	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. *				
50-01	Yes	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.	54%	Yes	37 Graphic scale and North arrow.				
55-01	Yes	10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.	55-01	Yes	38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: <table><tr><td>Existing Contours</td><td>USGS 1": 2000 Topographical Sheets</td></tr><tr><td>Proposed Contours</td><td>1": 400' Centerline Profile</td></tr></table>	Existing Contours	USGS 1": 2000 Topographical Sheets	Proposed Contours	1": 400' Centerline Profile
Existing Contours	USGS 1": 2000 Topographical Sheets								
Proposed Contours	1": 400' Centerline Profile								
50-01	Yes	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.	51-03	No	39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.				
50-01	Yes	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. *	51-03	No	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. *				
50-01	Yes	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 the permit as applicable. *	51-03	No	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.				
51-02	Yes	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. *	55-01	Yes	42 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.				
51-03	Yes	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 wooded 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."	53-01	Yes	43 Delineation and acreage of contributing drainage basins on the project site.				
51-03	Yes	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.	55-01	Yes	44 Delineate on-site drainage and off-site watersheds using USGS 1": 2000' topographical sheets.				
51-02	Yes	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." *	53-01	Yes	45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.				
51-02	Yes	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." *	51-03	Yes	46 Storm drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.				
51-02	Yes	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."	51-02	Yes	47 Soil series for the project site and their delineation.				
51-02	Yes	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."	54%	Yes	48 The limits of disturbance for each phase of construction.				
51-02	Yes	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."	51-03	Yes	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 feasible, a written justification explaining this decision must be included in the Plan.				
51-03	No	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of a Biotri 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. *	54%	Yes	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.				
51-02	Yes	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. *	56-01	Yes	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.				
51-02	Yes	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. *	51-02	Yes	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.				
51-02	Yes	25 Provide BMPs for the remediation of all petroleum spills and leaks.							
51-02	Yes	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. *							
51-02	Yes	27 Description of practices to provide cover for building materials and building products on site. *							
51-02	Yes	28 Description of the practices that will be used to reduce the pollutants in storm water discharges. *							

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

Effective January 1, 2024



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REVISION DATES

FAYETTE COUNTY
SR 85 AT HWY 85 CONNECTOR
INTERSECTION IMPROVEMENTS

ESPCP GENERAL NOTES

DRAWING NO.

51-01

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. Admndments/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

- Install Check Dams where specified
- Install Type Sensitive Silt Fence where specified at disturbed areas.

INTERMEDIATE BMP

- Maintain Silt Fences.
- Maintain Check Dams.
- Install Sediment Traps for proposed storm structure Inlets.
- Install Stone Dropped Riprap at storm outlet structures specified on plans.
- Apply Temporary Mulching on the disturbed areas prior to final grading.
- Apply Temporary grassing on the disturbed areas prior to final grading.

FINAL BMP

- Apply Permanent Grassing on disturbed areas.
- Maintain Stone Dropped Riprap

	M 1	M 2	M 3	M 4	M 5	M 6	M 7	M 8	M 9
INITIAL BMPs									
INTERMEDIATE BMPs									
FINAL BMPs									

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 overlapping. 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 BMPs are shown in the construction plans and in the ESPCP plan. The postconstruction BMPs for this project consist of detention ponds, bioretention basins, sand filter basins, bioslopes, enhanced dry/wet swales, vegetated swales/ditches, vegetation, permanent slope drains and/or flumes, riprap at pipe outlets for velocity dissipation and outlet stabilization, channel/ditch stabilization with turf reinforcing mats, slope stabilization matting, riprap and concrete ditch lining where necessary. The postconstruction BMPs will provide permanent stabilization of the site and prevent abnormal transportation of sediment and pollutants into receiving waters.

SOIL SERIES INFORMATION

A project-specific soil survey and geotechnical investigation was performed for this project and can be made available upon request. Soil characteristics have been given full consideration in the hydrologic analysis, the design of channels and linings, selection of temporary BMP's, design of energy dissipaters, and in the selection of permanent vegetation and fertilizers.

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

MAP UNIT SYMBOL:	MAP UNIT NAME:	SLOPE PERCENTAGES:	ACRES IN AOI:	PERCENT IN AOI:
AmB	Appling Sandy Loam	2–6	19.50	31.90%
CeB	Cecil Sandy Loam	2–6	34.10	55.80%
CeC	Cecil Sandy Loam	6–10	0.30	0.50%
CfC2	Cecil Sandy Loam	6–10	1.20	1.90%
GeB	Gwinnett Sandy Loam	2–6	0.00	0.10%
TS	Toccoa Sandy Loam	0–2	3.80	6.20%
W	Water	N/A	2.20	3.60%

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPs:

No alternative or additional BMPs will be used on this project.

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.

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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			SR 85 AT HWY 85 CONNECTOR INTERSECTION IMPROVEMENTS	
			DRAWING NO.	
			ESPCP GENERAL NOTES	
			51-02	

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SEDIMENT STORAGE

The site has a total disturbed area of 1.13 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 (yd³)	Total Storage Volume Provided (yd³)	Check Dams (3 yd³/each)		Inlet Sediment Traps (3.75 yd³/each)		Silt Fence (0.3 yd³/ft)	
					# of Devices	Total Volume (yd³)	# of Devices	Total Volume (yd³)	Length (ft)	Total Volume (yd³)
Outfall A	12.08	0.51	809.36	120.65	4	12	1	3.75	350	105
Outfall B	1.56	0.16	104.52	15.00	5	15	0	0	0	0
Outfall C	2.77	0.38	185.59	9.00	3	9	0	0	0	0
Total Sheet Flow	0.08	0.08	5.36	50.54	0	0	0	0	168	51

Justification:
Outfall A,B,& C – It is unfeasible for to meet the required 67 cubic yards of sediment storage within the confines of the available Right-of-Way for this interception improvement project. This is due to the linear nature of the disturbance, as well as an excess of off-site drainage flowing to the site from the large undisturbed drainage area that contributes to the roadside ditches, culverts, and side drains. Mitigation of this will be accomplished by adhering to a strict cleanout schedule and interval for each type of BMP used.

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.

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.

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

All outfalls are either located further than 1 linear mile upstream or outside of the watershed of an 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).

STATE-WATER BUFFER IMPACTS

State–water buffers, as defined by O.C.G.A. 12–7–1, are not 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.

CHANNEL PROTECTION

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

RIPRAP OUTLET PROTECTION

Structure #, Outfall ID#, or Station and Offset	Pipe Diameter Do (ft)	Q ₂₅ (ft³/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)	Downstrea m Width W2=Do+La (ft)	Average Stone Diameter d ₅₀ (ft)	Apron Thickness D (ft)	Riprap Type (Type 3 or Type 1)	Quantity (yd²)
B - 1	1.5	6.1	1.77	TW<0.5 Do	10.00	10.00	10.00	0.67	1.50	Type 3	12
C - 1	1.5	5.5	4.29	TW<0.5 Do	10.00	10.00	10.00	0.67	1.50	Type 3	12

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 2.21 acres.											Representative Sampling Scheme				
SAMPLING INFORMATION											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 (mi²)	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
1	113+13.24, 70.58' RT	Whitewater Creek	3	Outfall	77.1	N/A	Warm	50	N/A	End of Ditch	Road Widening	0.51	0.022	2	A
2	119+97.62, 41.79' LT	Whitewater Creek	3	Outfall	77.1	N/A	Warm	50	N/A	End of Ditch	Road Widening	0.16	0.027	2	B
3	121+92.64, 42.03' RT	Whitewater Creek	3	Outfall	77.1	N/A	Warm	50	N/A	End of Ditch	Road Widening	0.38	0.027	2	C

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.



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REVISION DATES

FAYETTE COUNTY

SR 85 AT HWY 85 CONNECTOR
INTERSECTION IMPROVEMENTS

ESPCP GENERAL NOTES

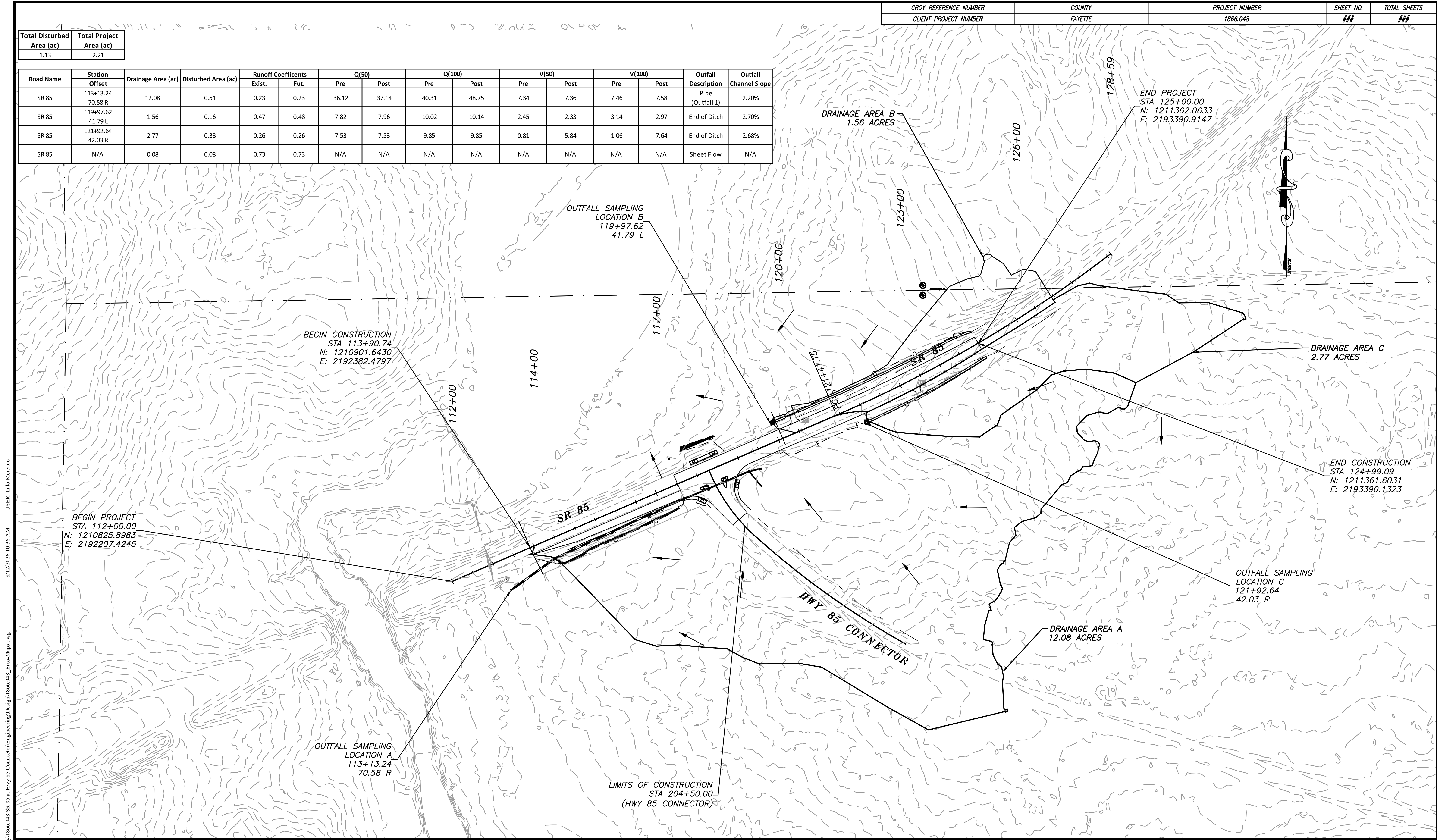
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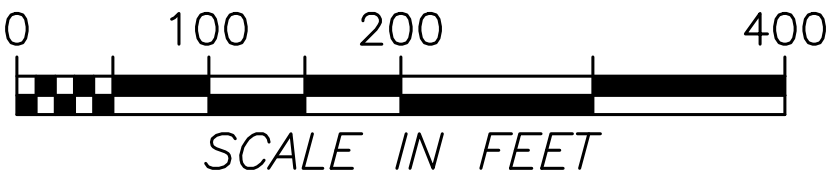
CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	##	##

Total Disturbed Area (ac)	Total Project Area (ac)
1.13	2.21

Road Name	Station Offset	Drainage Area (ac)	Disturbed Area (ac)	Runoff Coefficients		Q(50)		Q(100)		V(50)		V(100)		Outfall Description	Outfall Channel Slope
				Exist.	Fut.	Pre	Post	Pre	Post	Pre	Post	Pre	Post		
SR 85	113+13.24 70.58 R	12.08	0.51	0.23	0.23	36.12	37.14	40.31	48.75	7.34	7.36	7.46	7.58	Pipe (Outfall 1)	2.20%
SR 85	119+97.62 41.79 L	1.56	0.16	0.47	0.48	7.82	7.96	10.02	10.14	2.45	2.33	3.14	2.97	End of Ditch	2.70%
SR 85	121+92.64 42.03 R	2.77	0.38	0.26	0.26	7.53	7.53	9.85	9.85	0.81	5.84	1.06	7.64	End of Ditch	2.68%
SR 85	N/A	0.08	0.08	0.73	0.73	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Sheet Flow	N/A



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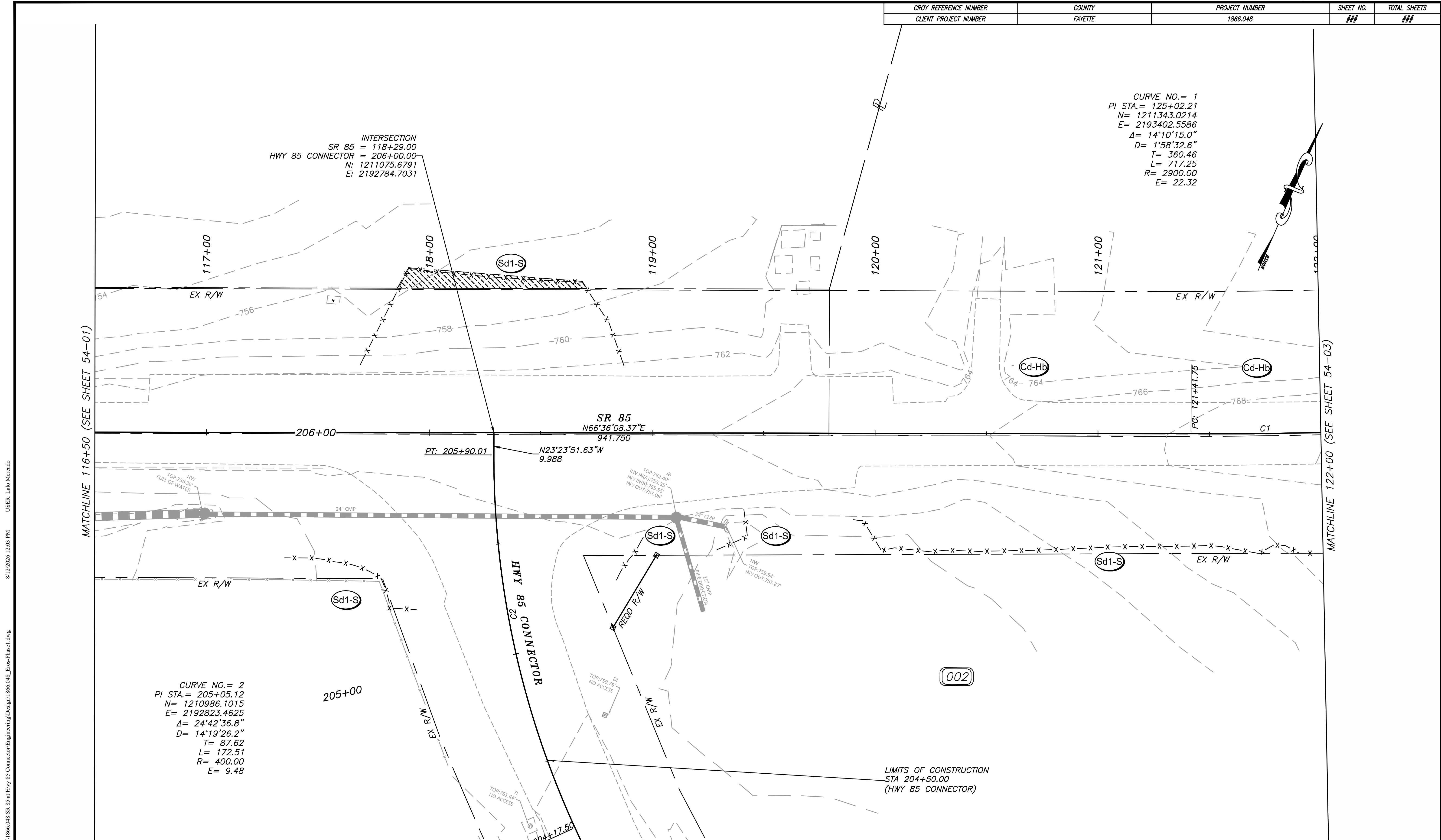
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 871-5407 FAX: (770) 971-0620

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REVISION DATES		

FAYETTE COUNTY	
SR 85 AT HWY 85 CONNECTOR INTERSECTION IMPROVEMENTS	
EROSION CONTROL DRAINAGE AREA MAP	DRAWING NO. 53-01

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CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	##	##

CURVE NO.= 1
PI STA.= 125+02.21
N= 1211343.0214
E= 2193402.5586
 Δ = 14°10'15.0"
D= 1°58'32.6"
T= 360.46
L= 717.25
R= 2900.00
E= 22.32

INTERSECTION
SR 85 = 118+29.00
HWY 85 CONNECTOR = 206+00.00
N: 1211075.6791
E: 2192784.7031

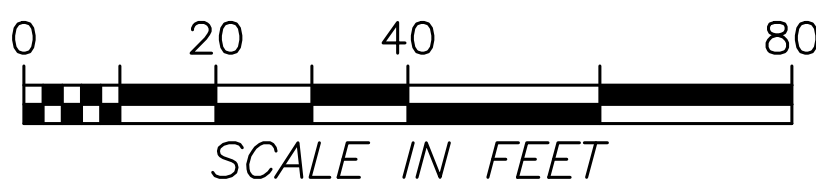
CURVE NO.= 2
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N= 1210986.1015
E= 2192823.4625
 Δ = 24°42'36.8"
D= 14°19'26.2"
T= 87.62
L= 172.51
R= 400.00
E= 9.48

LIMITS OF CONSTRUCTION
STA 204+50.00
(HWY 85 CONNECTOR)

LEGEND

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
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA



200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 871-5407 FAX: (770) 971-0620

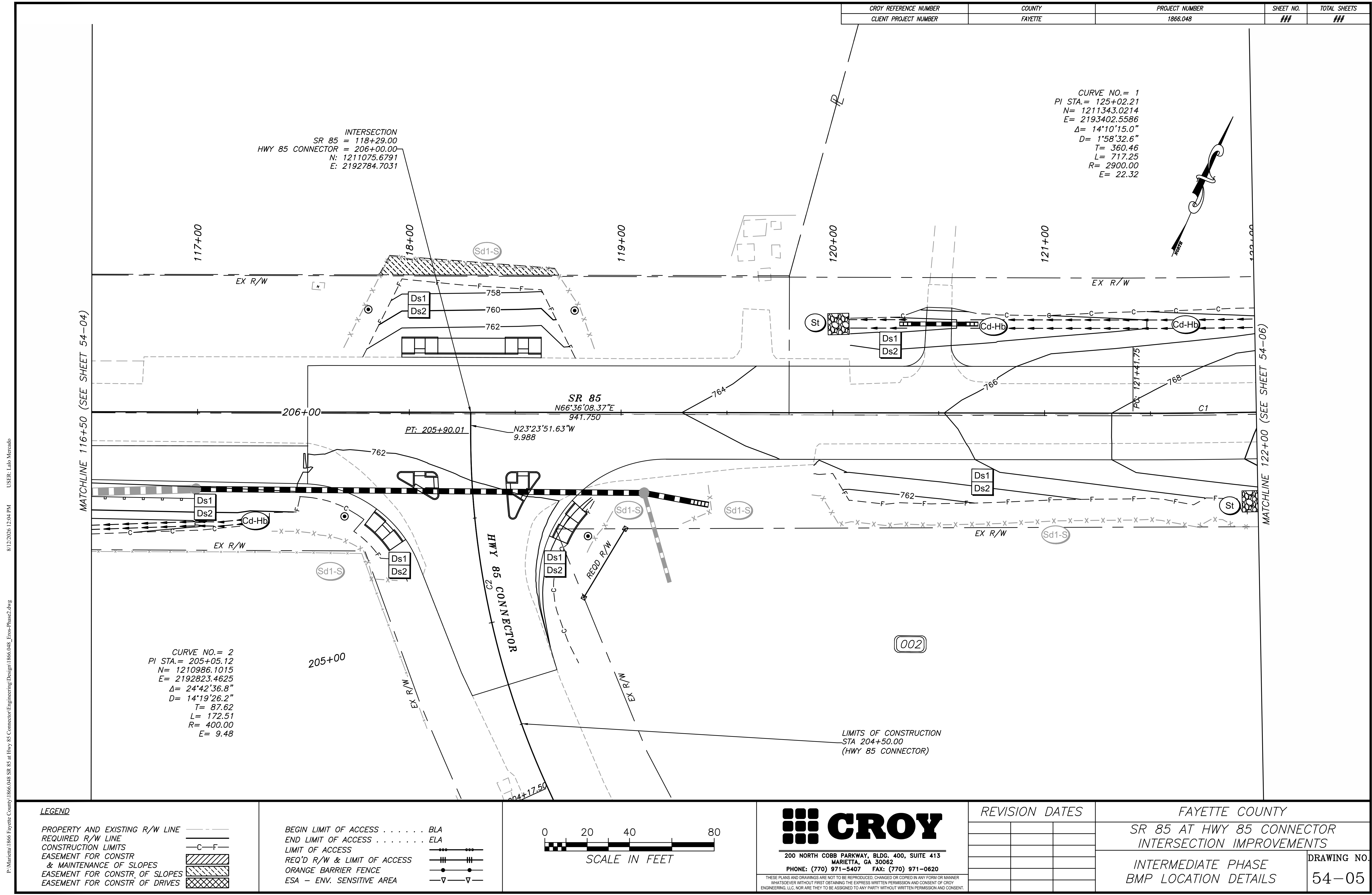
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REVISION DATES

FAYETTE COUNTY
SR 85 AT HWY 85 CONNECTOR
INTERSECTION IMPROVEMENTS

INITIAL PHASE
BMP LOCATION DETAILS

DRAWING NO.
54-02



CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	###	###

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E= 2193402.5586
Δ= 14°10'15.0"
D= 1°58'32.6"
T= 360.46
L= 717.25
R= 2900.00
E= 22.32

INTERSECTION
SR 85 = 118+29.00
HWY 85 CONNECTOR = 206+00.00
N: 1211075.6791
E: 2192784.7031

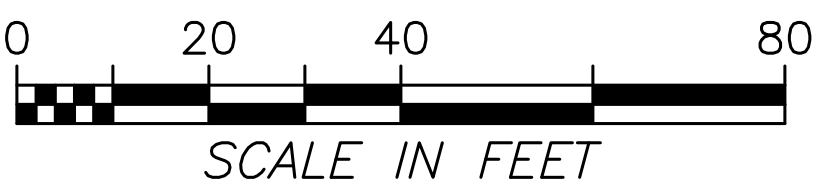
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PI STA.= 205+05.12
N= 1210986.1015
E= 2192823.4625
Δ= 24°42'36.8"
D= 14°19'26.2"
T= 87.62
L= 172.51
R= 400.00
E= 9.48

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8/12/2026 12:04 PM
USER: Lalo Mercado

LEGEND

- 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
- ORANGE BARRIER FENCE
- ESA - ENV. SENSITIVE AREA



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REVISION DATES

FAYETTE COUNTY

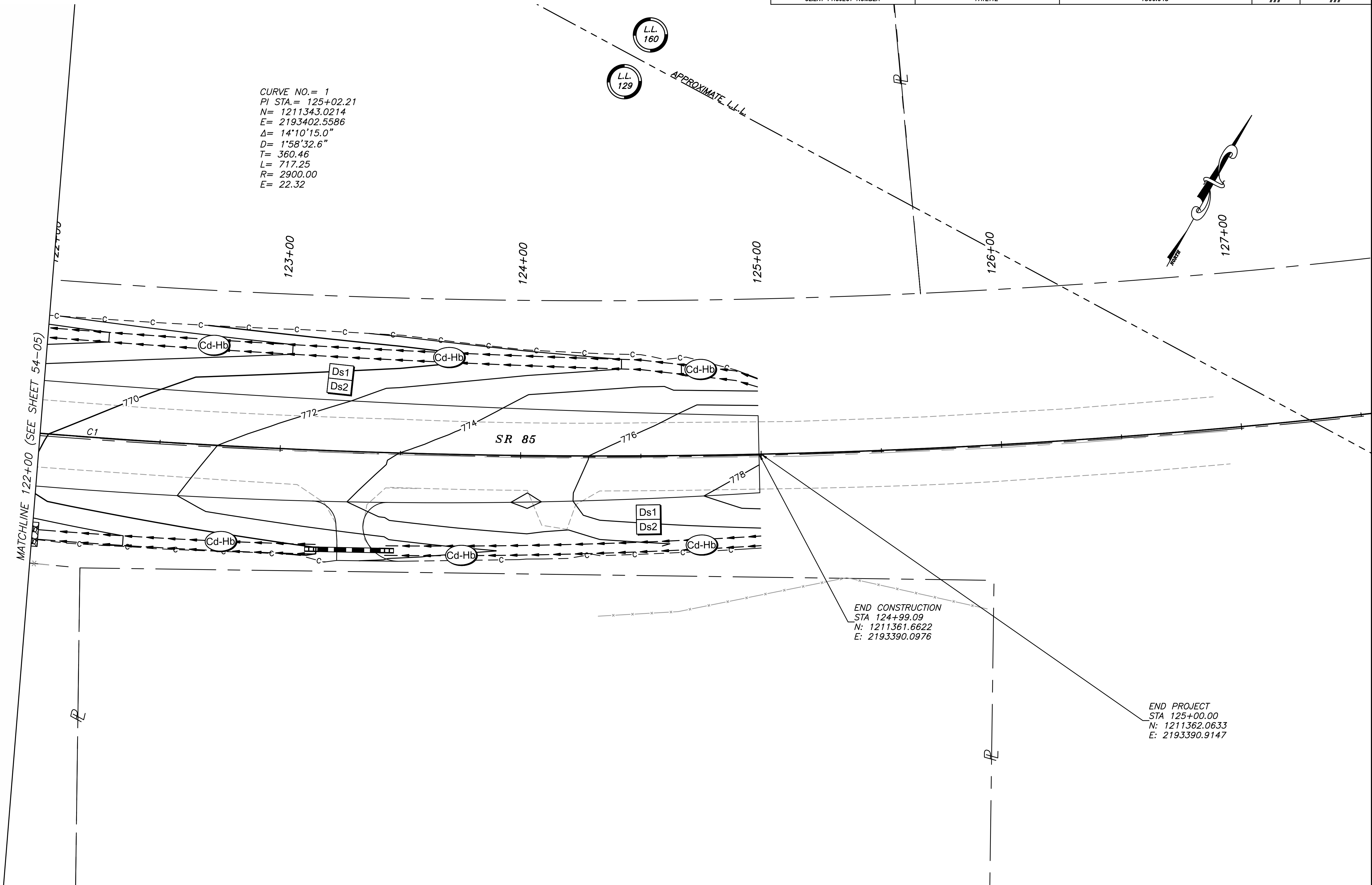
SR 85 AT HWY 85 CONNECTOR
INTERSECTION IMPROVEMENTS

INTERMEDIATE PHASE
BMP LOCATION DETAILS

DRAWING NO.
54-05

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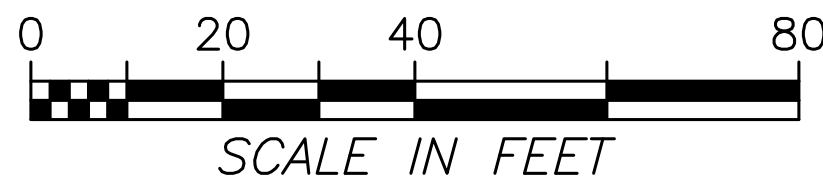
CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	##	##



LEGEND

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
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA



CROY

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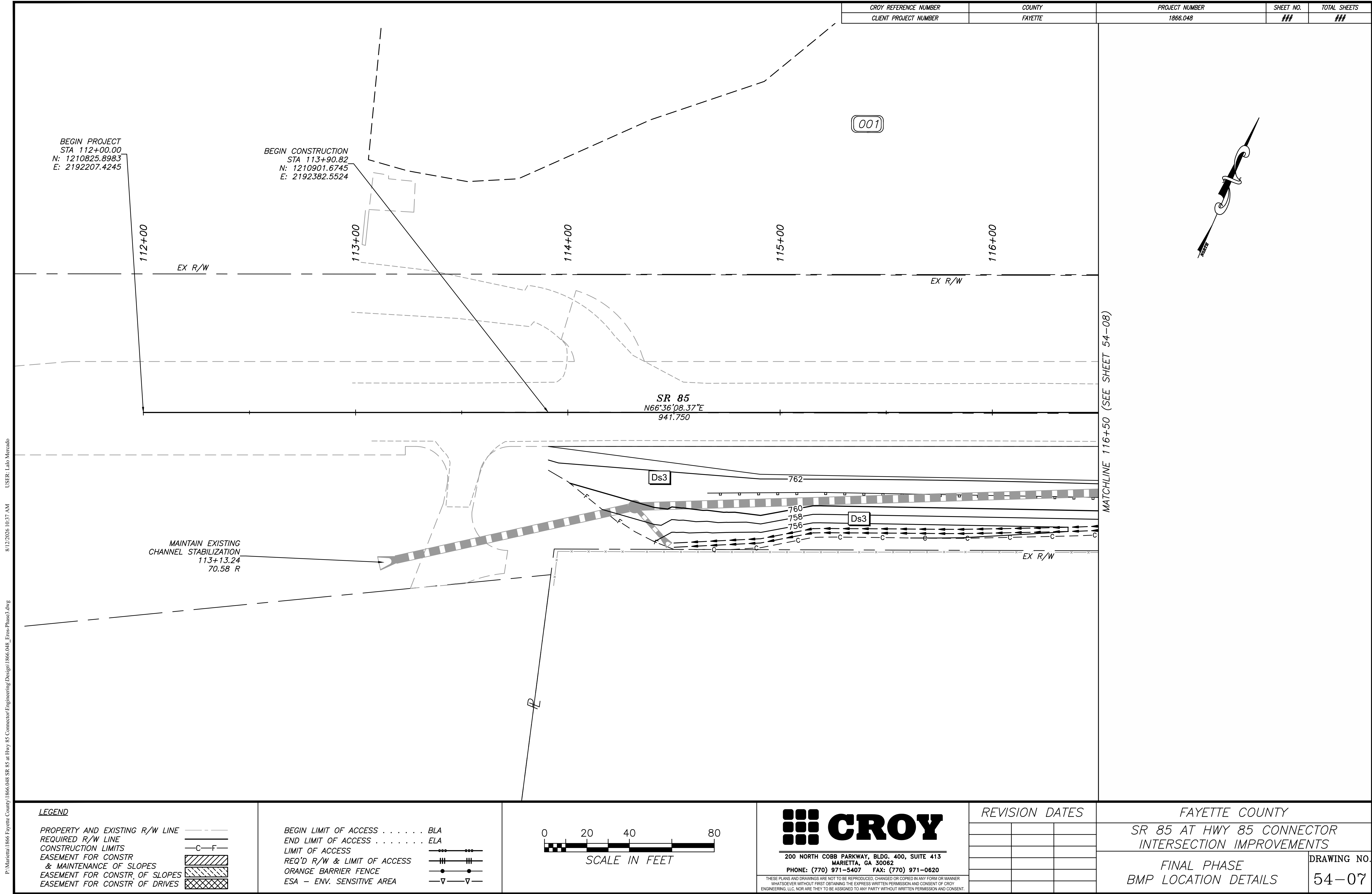
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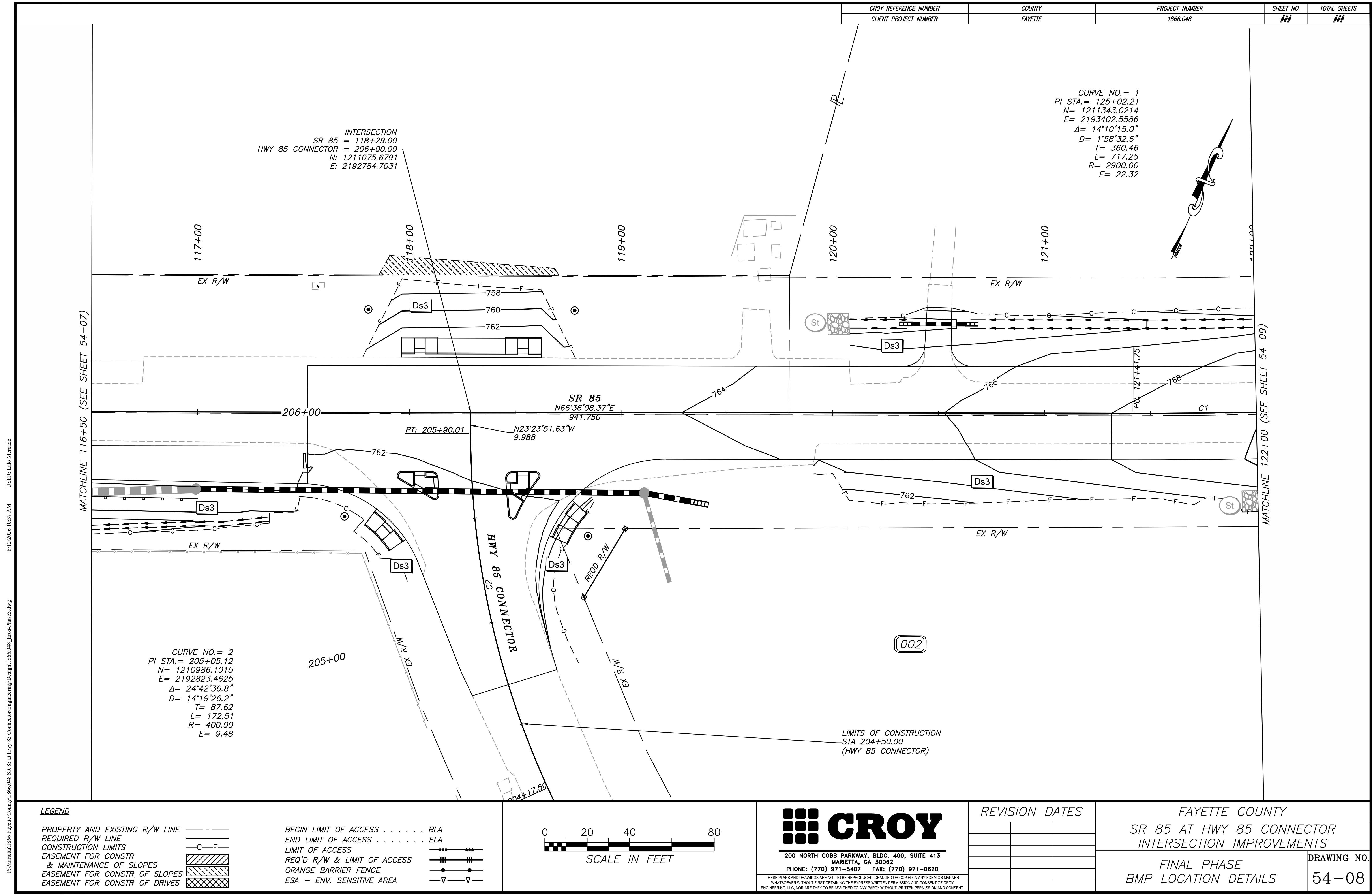
REVISION DATES

FAYETTE COUNTY
SR 85 AT HWY 85 CONNECTOR
INTERSECTION IMPROVEMENTS

INTERMEDIATE PHASE
BMP LOCATION DETAILS

DRAWING NO.
54-06





CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	###	###

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N= 1211343.0214
E= 2193402.5586
Δ= 14°10'15.0"
D= 1°58'32.6"
T= 360.46
L= 717.25
R= 2900.00
E= 22.32

INTERSECTION
SR 85 = 118+29.00
HWY 85 CONNECTOR = 206+00.00
N: 1211075.6791
E: 2192784.7031

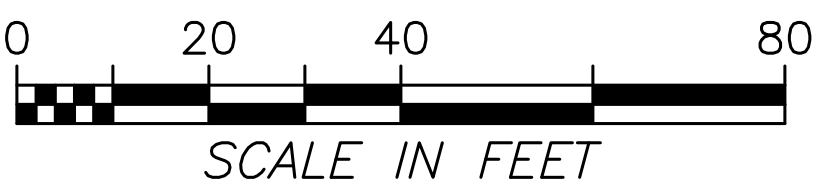
CURVE NO.= 2
PI STA.= 205+05.12
N= 1210986.1015
E= 2192823.4625
Δ= 24°42'36.8"
D= 14°19'26.2"
T= 87.62
L= 172.51
R= 400.00
E= 9.48

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LEGEND

- 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
- ORANGE BARRIER FENCE
- ESA - ENV. SENSITIVE AREA



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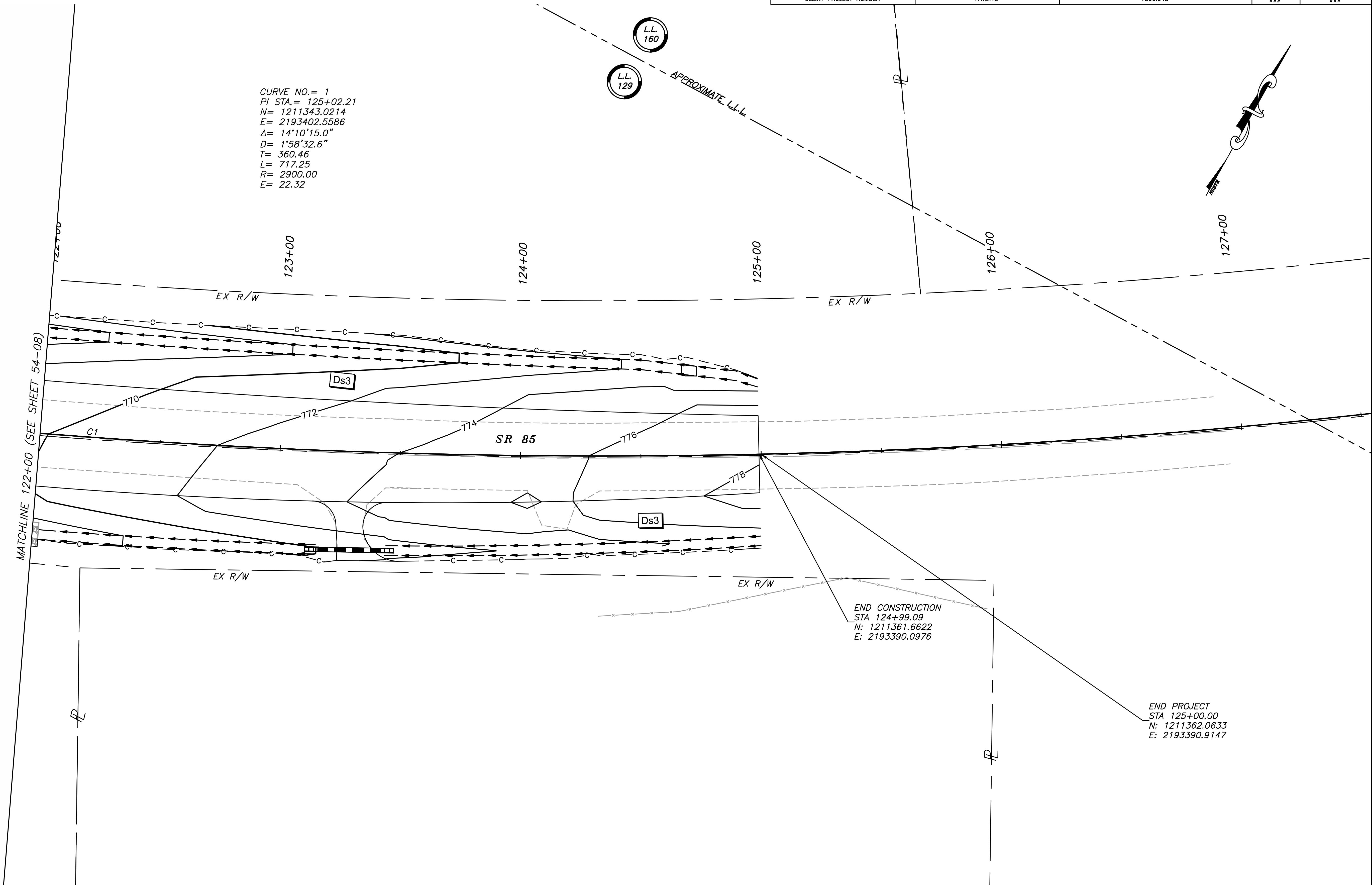
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REVISION DATES

FAYETTE COUNTY	
SR 85 AT HWY 85 CONNECTOR INTERSECTION IMPROVEMENTS	
FINAL PHASE BMP LOCATION DETAILS	DRAWING NO. 54-08

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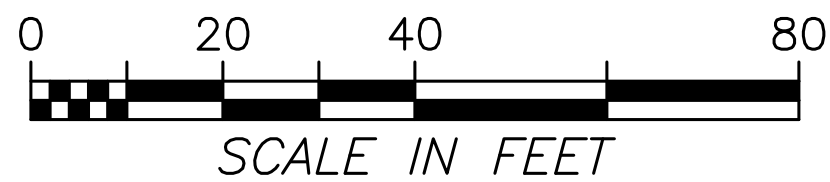
CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	###	###



LEGEND

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
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA



CROY

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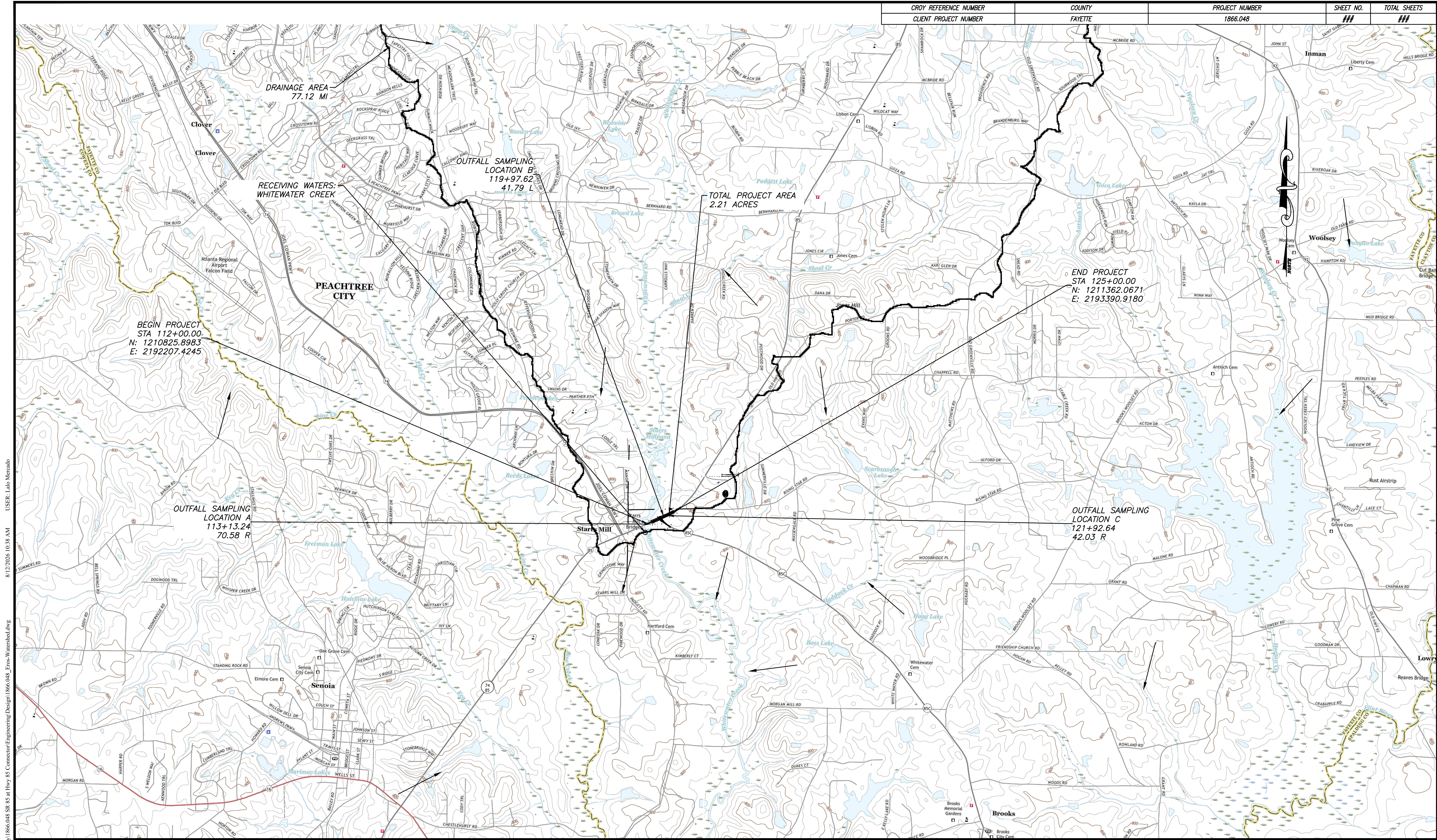
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REVISION DATES

FAYETTE COUNTY
SR 85 AT HWY 85 CONNECTOR
INTERSECTION IMPROVEMENTS

FINAL PHASE
BMP LOCATION DETAILS

DRAWING NO.
54-09



NOTES:

- ALL PROJECT OUTFALLS DRAIN TO AND ARE WITHIN ONE LINEAR MILE OF WHITEWATER CREEK.
- ENTIRE UPSTREAM WATERSHED FOR WHITEWATER CREEK NOT SHOWN DUE TO SIZE (77.12 SQ. MI.).

0 2000 4000 8000

SCALE IN FEET

CROY

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 871-5407 FAX: (770) 971-0620

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REVISION DATES	

FAYETTE COUNTY

SR 85 AT HWY 85 CONNECTOR INTERSECTION IMPROVEMENTS

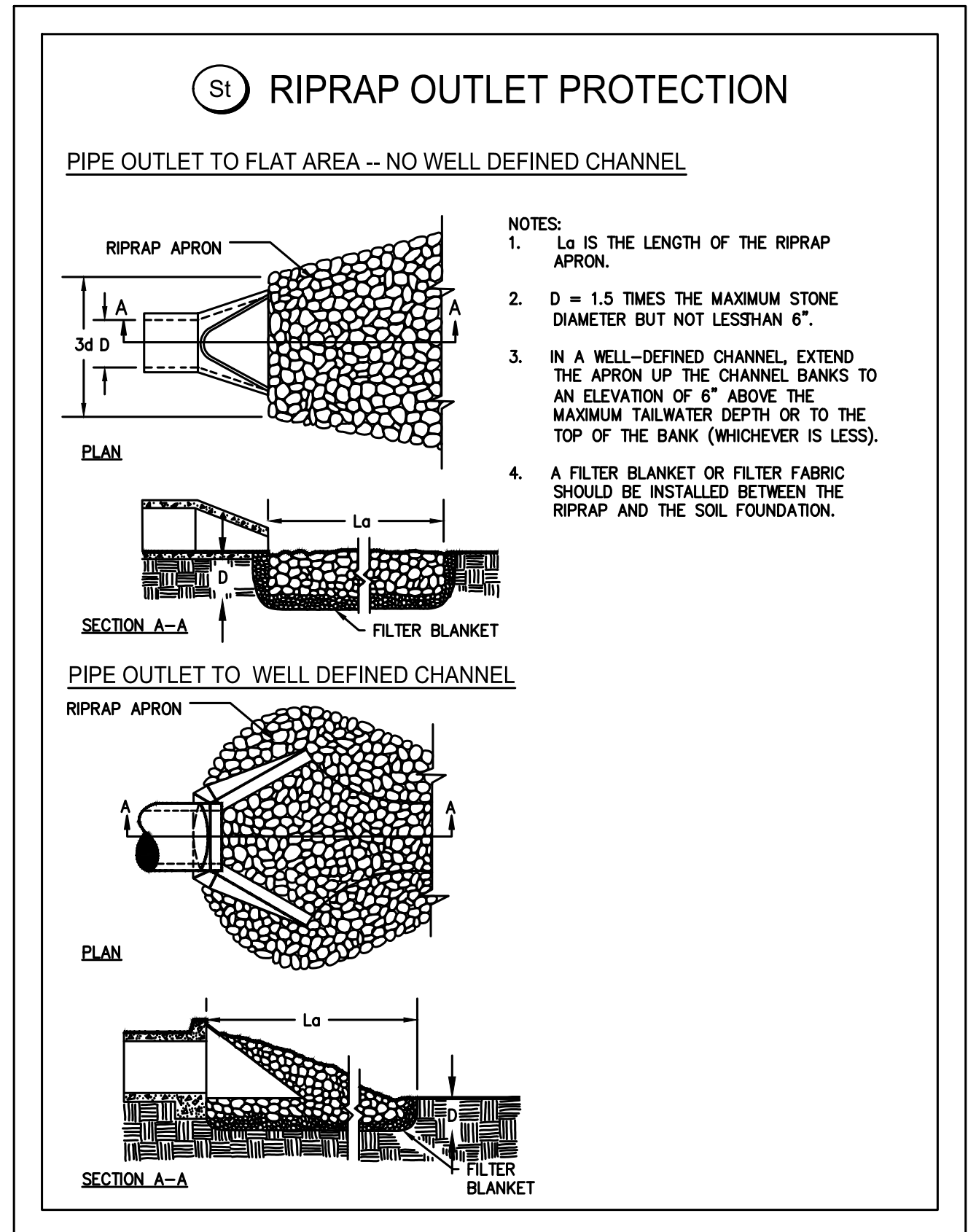
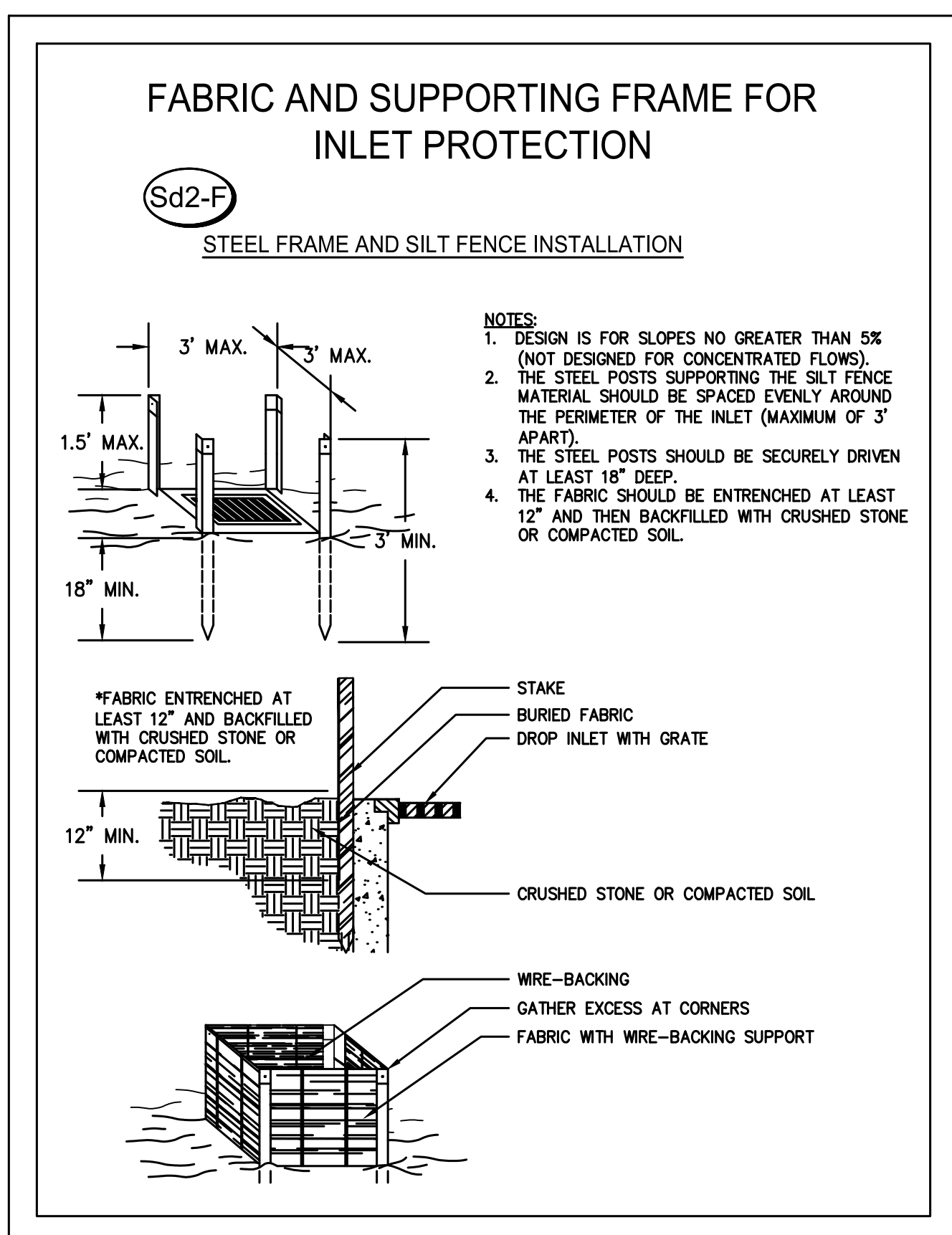
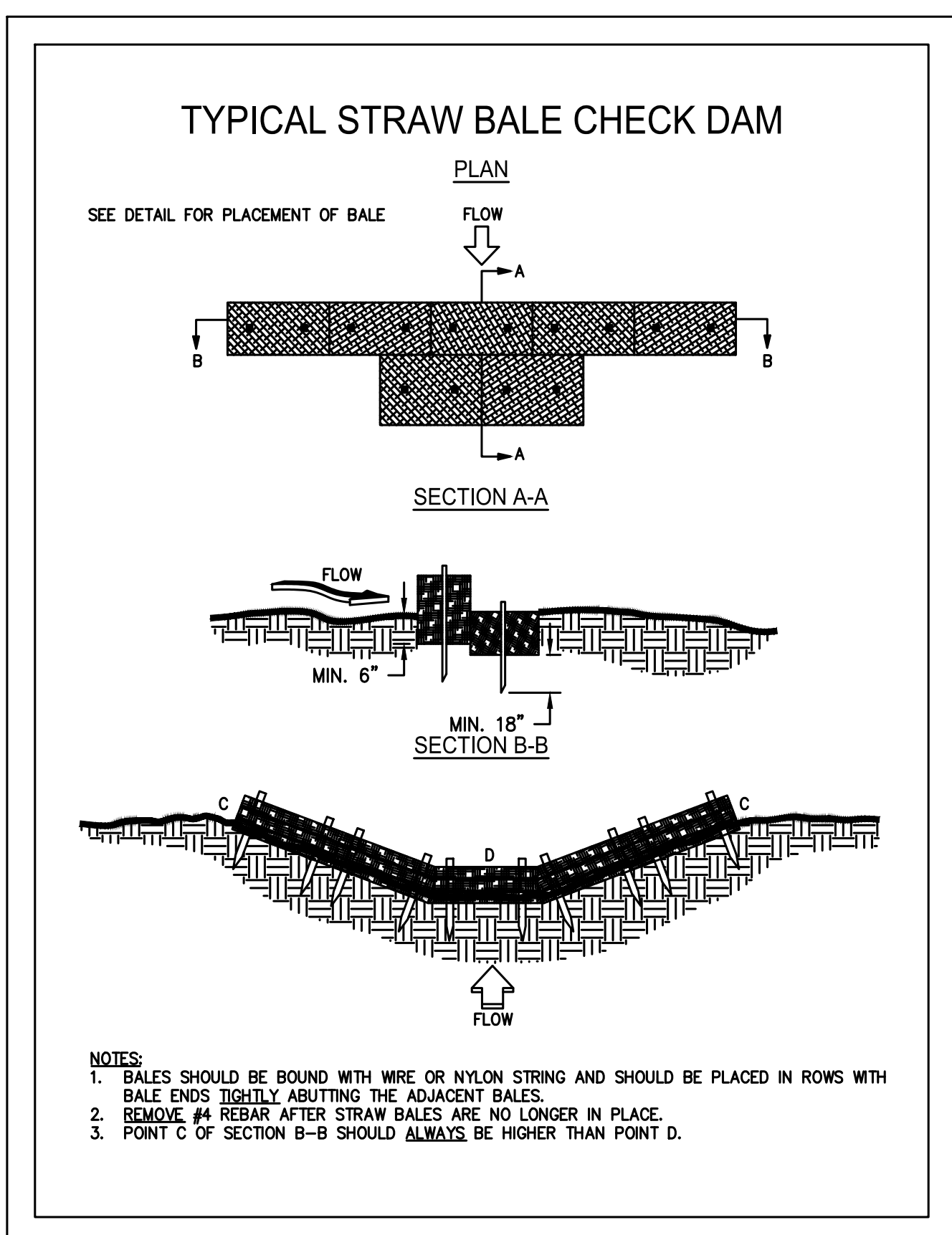
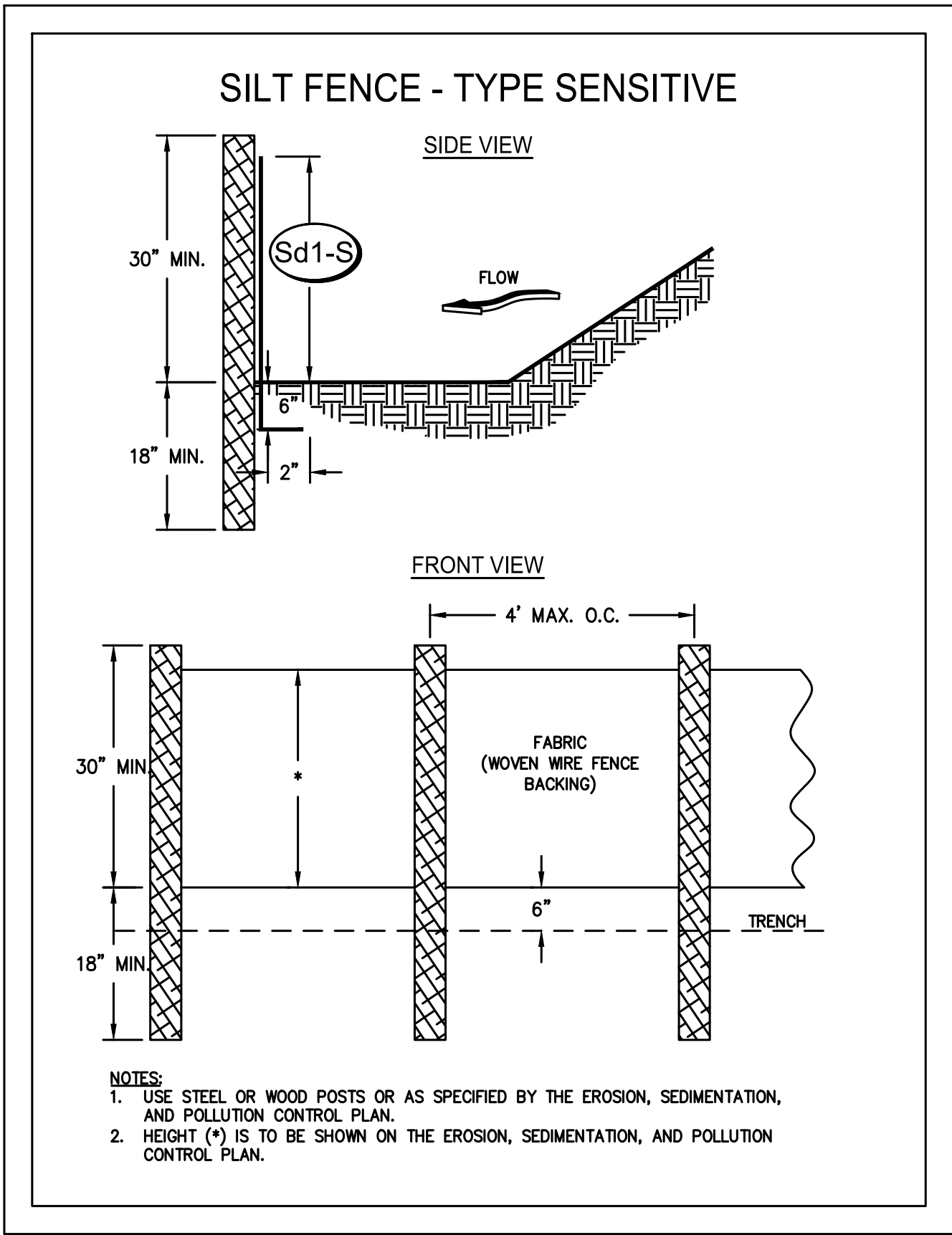
ESPCCP – WATERSHED MAP

DRAWING NO.

55-01

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CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	##	##



CROY

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REVISION DATES			FAYETTE COUNTY	
			SR 85 AT HWY 85 CONNECTOR INTERSECTION IMPROVEMENTS	
			ESPCP STANDARDS AND DETAILS	DRAWING NO.
				56-01

Ds1

Disturbed Area Stabilization

(WITH MULCHING ONLY)

SPECIFICATIONS

N.T.S.

Mulching Without Seeding

This standard applied to grades or cleared areas where seedlings may not have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a mulch cover.

Site Preparation

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

Mulching Materials

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

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

Applying Mulch

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

- Dry straw or hay mulch and wood chips shall be applied uniformly by hand or by mechanical equipment.
- If the area will eventually be covered with perennial vegetation, 20-30 pounds of nitrogen per acre in addition to the normal amount shall be applied to offset the uptake of nitrogen caused by the decomposition of the organic mulches.
- Apply polyethylene film on exposed materials.

Anchoring Mulch

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

Straw or hay mulch spread with special blower-type equipment may be anchored. Tackifiers, binders and hydraulic mulch with tackifier specifically designed for taking straw can be substituted for emulsified asphalt. Please refer to specification **Tackifiers and binders**. Plastic mesh or netting with mesh no larger than one inch by one inch shall be installed according to manufacturer's specifications.

- Netting of the appropriate size shall be used to anchor wood waste. Openings of the netting shall not be larger than the average size of the wood waste chips.
- Polyethylene film shall be anchor trenched at the top as well as incrementally as necessary.

Ds2

Disturbed Area Stabilization

(WITH TEMPORARY SEEDING)

N.T.S.

SPECIFICATIONS

Grading and Shaping

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

Seedbed Preparation

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

Lime and Fertilizer

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

Seeding

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

Mulching

Temporary vegetation can, in most cases, be established without the use of mulch provided there is little to no erosion potential. However, the use of mulch can often accelerate and enhance germination and vegetation establishment. Mulch without seeding should be considered for short term protection. Refer to **Ds1 - Disturbed Area Stabilization (With Mulching Only)**.

Irrigation

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

PLANT, PLANTING RATES, AND PLANTING DATES FOR TEMPORARY COVER OR COMPANION CROPS

SPECIES	BROADCAST RATES		PLANTING DATES FOR SOUTHERN PIEDMONT REGION												REMARKS
	PER ACRE	PER 1000 SQ. FT.	J	F	M	A	M	J	J	A	S	O	N	D	
BARLEY (Hordeum vulgare) alone in mixture	144 lbs. 24 lbs.	3.3 lbs. 0.6 lb.	J	F	M	A	M	J	J	A	S	O	N	D	14,000 seed per pound. Winterhardy. Use on productive soils.
LESPEDEZA, ANNUAL (Lespedeza striata) alone in mixture	40 lbs. 10 lbs.	0.9 lb. 0.2 lb.													200,000 seed per pound. May volunteer for several years. Use inoculant E.L.
LOVEGRASS, WEEPING (Hordeum vulgare) alone in mixture	4 lbs. 2 lbs.	0.1 lb. 0.05 lb.	J	F	M	A	M	J	J	A	S	O	N	D	1,500,000 seed per pound. May last for several years. Mix with Sericea lespedeza.
MILLET, BROWNTOP (Panicum fasciculatum) alone in mixture	40 lbs. 10 lbs.	0.9 lb. 0.2 lb.	J	F	M	A	M	J	J	A	S	O	N	D	137,000 seed per pound. Quick dense cover. Will provide too much competition in mixtures if seeded at high rates.
MILLET, PEARL (Pennisetum glaucum) alone	50 lbs.	1.1 lb.	J	F	M	A	M	J	J	A	S	O	N	D	88,000 seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures.
OATS (Avena sativa) alone in mixture	128 lbs. 32 lbs.	2.9 lbs. 0.7 lb.	J	F	M	A	M	J	J	A	S	O	N	D	13,000 seed per pound. Use on productive soils. Not as winterhardy as rye or barley.
RYE (Secale cereale) alone in mixture	168 lbs. 28 lbs.	3.9 lbs. 0.6 lb.	J	F	M	A	M	J	J	A	S	O	N	D	18,000 seed per pound. Quick cover. Drought tolerant and winterhardy.
RYEGRASS, ANNUAL (Lolium temulentum) alone	40 lbs.	0.9 lb.	J	F	M	A	M	J	J	A	S	O	N	D	227,000 seed per pound. Dense cover. Very competitive and is not to be used in mixtures.
SUDANGRASS (Sorghum Sudanese) alone	60 lbs.	1.4 lb.	J	F	M	A	M	J	J	A	S	O	N	D	35,000 seed per pound. Good on droughty sites. Not recommended for mixtures.
WHEAT (Triticum Aestivum) alone in mixture	180 lbs. 30 lbs.	4.1 lbs. 0.7 lb.	J	F	M	A	M	J	J	A	S	O	N	D	15,000 seed per pound.

Ds3

Disturbed Area Stabilization

(WITH PERMANENT VEGETATION)

N.T.S.

Seedbed Preparation

Seedbed preparation may not be required where hydraulic seeding and fertilizing equipment is to be used (but is strongly recommended for any seeding process, when possible). When conventional seeding is to be used, seedbed preparation will be done as follows:

Broadcast Plantings

- Tillage, at a minimum, shall adequately loosen the soil to a depth of 4 to 6 inches; alleviate compaction; incorporate lime and fertilizer; smooth and firm the soil; allow for the proper placement of seed, sprigs, or plants; and allow for the anchoring of straw or hay mulch if a disk is to be used.
- Tillage may be done with any suitable equipment.
- Tillage should be done on the contour where feasible.
- On slopes too steep for the safe operation of tillage equipment, the soil surface shall be pitted or trenched across the slope with appropriate hand tools to provide two places to 6 to 8 inches apart in which seed may lodge and germinate. hydraulic seeding may also be used.

Individual Plants

- Where individual plants are to be set, the soil shall be prepared by excavating holes, opening furrows, or dibble planting.
- For nursery stock plants, holes shall be large enough to accommodate roots without crowding.
- Where pine seedlings are to be planted, subsoil under the row 30 inches deep on the contour four to six months prior to planting. Subsoiling should be done when the soil is dry, preferably in August or September.

Inoculants

All legume seed shall be inoculated with appropriate nitrogen-fixing bacteria. The inoculant shall be a pure culture prepared specifically for the seed species and used within the dates on the container.

A mixing medium recommended by the manufacturer shall be used to bond the inoculant to the seed. For conventional seeding, use twice the amount of inoculant recommended by the manufacturer. For hydraulic seeding, four times the amount of inoculant recommended by the manufacturer shall be used.

All inoculated seed shall be protected from the sun and high temperatures and shall be planted the same day inoculated. No inoculated seed shall remain in the hydroseder longer than one hour.

Planting

- Hydraulic Seeding**
Mix the seed (inoculated if needed), fertilizer, and wood cellulose or wood pulp fiber mulch with water and apply in a slurry uniformly over the area to be treated. Apply within one hour after the mixture is made.
- Conventional Seeding**
Seeding will be done on a freshly prepared and firmed seedbed. For broadcast planting, use a cultipacker-seeder, drill, rotary seeder, other mechanical seeder, or hand seeding to distribute the seed uniformly over the area to be treated. Cover the seed lightly with 1/8 to 1/4 inch of soil for small seed and 1/2 to 1 inch for large seed when using a cultipacker or other suitable equipment.
- No-Till Seeding**
No-till seeding is permissible into annual cover crops when planting is done following maturity of the cover crop or if the temporary cover stand is sparse enough to allow adequate growth of the permanent (perennial) species. No-till seeding shall be done with appropriate no-till seeding equipment. The seed shall be evenly and uniformly distributed and planted at the proper depth.
- Individual Plants**
Shrubs, vines and sprigs may be planted with appropriate planters or hand tools. pine trees shall be planted manually in the subsoil furrows. Each plant shall be set in a manner that will avoid crowding the roots.
- Nursery stock plants shall be planted at the same depth or slightly deeper than they grew at the nursery. The tips of vines and sprigs must be at or slightly above the ground surface.
- Where individual holes are dug, fertilizer shall be placed in the bottom of the hole, two inches of soil shall be added and the plant shall be set in the hole.

Mulching

Mulch is required for all permanent vegetation applications. mulch applied to seeded areas shall achieve 75% to 100% soil cover. When selecting a mulch, design professionals should consider the mulch's functional longevity, vegetation establishment enhancement, and erosion control effectiveness. Select the mulching material from the following and apply as indicated:

- Dry straw or dry hay of good quality and free of weed seeds can be used. dry straw shall be applied at the rate of 2 tons per acre. Dry hay shall be applied at a rate of 2 1/2 tons per acre.
- Wood cellulose mulch or wood pulp fiber shall be used with hydraulic seeding. It shall be applied at the rate of 500 pounds per acre. Dry straw or dry hay shall be applied at the rate indicated above after hydraulic seeding.
- One thousand pounds of wood cellulose or wood pulp fiber, which includes a tackifier, shall be used with hydraulic seeding on slopes 1:4:1 or steeper.
- Sericea Lespedeza hay containing mature seed shall be applied at a rate of three tons per acre.
- Pine straw or pine bark shall be applied at a thickness not less than 3 inches for bedding purposes, other than Sericea Lespedeza in sufficient quantity may be used where ornamentals or other ground covers are planted. This is **NOT** appropriate for seeded areas.
- When using temporary erosion control blankets or block sod, mulch is not required.
- Bituminous treated roving may be applied on planted areas, slopes, in ditches or dry water-ways to prevent erosion. Bituminous treated roving shall be applied within 24 hours after an area has been planted. Application rates and materials must meet Georgia Department of Transportation specifications.

Wood cellulose and wood pulp fibers shall not contain germination or growth inhibiting factors. They shall be evenly distributed when agitated in water. The fibers shall contain a dye to allow visual metering and aid in uniform application during seeding.

Applying Mulch

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

Wood cellulose or wood pulp fiber mulch shall be applied uniformly with hydraulic seeding equipment.

Anchoring Mulch

- Anchor straw or hay mulch immediately after application by one of the following methods:
- Hay and straw mulch shall be pressed into the soil immediately after the mulch is spread. A special "pucker disk" or disk harrow with the disks set straight may be used. The disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disks shall be dull enough to press the mulch into the ground without cutting it, leaving much of it in an erect position. Mulch shall not be plowed into the soil.
 - Synthetic tackifiers, binders or hydraulic mulch specifically designed to tack straw, shall be applied in conjunction with or immediately after the mulch is spread. Synthetic tackifiers shall be mixed and applied according to manufacturer's specifications. All tackifiers, binders or hydraulic mulch specifically designed to tack straw should be verified nontoxic through EPA 2021-0 testing. Refer to **Tackifiers-Tac**.
 - Rye or wheat can be included with fall and winter plantings to stabilize the mulch. They shall be applied at a rate of one-quarter to one-half bushel per acre.
 - Plastic mesh or netting with mesh no larger than one inch by one inch may be needed to anchor straw or hay mulch on unstable soils and concentrated furrow areas. These materials shall be installed and anchored according to manufacturer's specifications.

Bedding Material

Mulch is used as a bedding material to conserve moisture and control weeds in nurseries, ornamental beds, around shrubs, and on bare areas on lawns.

Material	Depth
Grain Straw	4" TO 6"
Grass Hay	4" TO 6"
Pine Needles	3" TO 5"
Wood Waste	4" TO 6"

Irrigation

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

Topdressing

Topdressing will be applied on all temporary and permanent (perennial) species planted alone or in mixtures with other species. Recommended rates of application are listed in table 6-5.1.

Second Year and Maintenance Fertilization

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

Lime Maintenance Application

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

Use And Management

Mow Sericea Lespedeza only after frost to ensure that the seeds are mature. mow between November and march. Bermudagrass, Bahia grass and Tall Fescue may be mowed as desired. Maintain at least 6 inches of top growth under any use and management. Moderate use of top growth is beneficial after establishment.

Exclude traffic until the plants are well established. Because of the quail nesting season, mowing should not take place between may and September.

FERTILIZER REQUIREMENTS

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

PLANT, PLANTING RATES, AND PLANTING DATES FOR PERMANENT COVER

SPECIES	BROADCAST RATES		PLANTING DATES FOR SOUTHERN PIEDMONT REGION												REMARKS
	PER ACRE	PER 1000 SQ. FT.	J	F	M	A	M	J	J	A	S	O	N	D	
BAHIA, PENSACOLA (Paspalum notatum) alone or w/ temp. cover with other perennials	60 lbs.	1.4 lb.	J	F	M	A	M	J	J	A	S	O	N	D	166,000 seed per pound. Low growing. Seed forming. Slow to establish. Plant with a companion crop. Will spread into bermuda pastures and lawns. Mix with Sericea lespedeza or weeping lovegrass.
BAHIA, WILMINGTON (Paspalum notatum) alone or w/ temp. cover with other perennials	60 lbs.	1.4 lb.	J	F	M	A	M	J	J	A	S	O	N	D	1,787,000 seed per pound. Quick cover. Low growing and seed forming. Full sun. Good for athletic fields.
BERMUDA, COMMON (Cynodon dactylon) alone with other perennials	10 lbs.	0.2 lb.	J	F	M	A	M	J	J	A	S	O	N	D	Plant with winter annuals.
BERMUDA, COMMON (Cynodon dactylon) with temporary cover with other perennials	10 lbs.	0.2 lb.	J	F	M	A	M	J	J	A	S	O	N	D	Plant with tall fescue.
BERMUDA SPRIGS (Cynodon dactylon) Coastal, Common, or TR 44	40 cu. ft.	0.9 cu. ft.	J	F	M	A	M	J	J	A	S	O	N	D	A cubic foot contains approximately 6500 sprigs. A bushel contains 1.25 cubic feet or approximately 8000 sprigs.
CENTPEDE (Eranochloa ophiuroides)	Block sod only		J	F	M	A	M	J	J	A	S	O	N	D	Thoroughly establish in period. Drought resistant. Apply top dressing in spring following fall planting. See for every other plantings. Waterlightly in for weeks in autumn and winter.
CROWNVEITCH (Coronilla varia) with winter annuals or cool season grasses	15 lbs.	0.3 lb.	J	F	M	A	M	J	J	A	S	O	N	D	80,000 seed per pound. These growth. Drought resistant. Apply top dressing in spring following fall planting. See for every other plantings. Waterlightly in for weeks in autumn and winter.
FESCUE, TALL (Festuca arundinacea) alone with other perennials	50 lbs.	1.1 lb.	J	F	M	A	M	J	J	A	S	O	N	D	150,000 seed per pound. These growth. Drought resistant. Apply top dressing in spring following fall planting. See for every other plantings. Waterlightly in for weeks in autumn and winter.
LESPEDEZA, SERICA (Lespedeza cuneata) scarified unscarified seed-bearing hay	60 lbs. 75 lbs. 3 tons	1.4 lbs. 1.7 lbs. 138 lbs.	J	F	M	A	M	J	J	A	S	O	N	D	150,000 seed per pound. Whole hay, 2 to 3 years to become well established. Exceeds on floodlands. Inoculate seed with E.L. inoculant.
LESPEDEZA (Lespedeza virginica DC) or (Lespedeza cuneata G. Don) scarified unscarified	60 lbs. 75 lbs.	1.4 lbs. 1.7 lbs.	J	F	M	A	M	J	J	A	S	O	N	D	50,000 seed per pound. Height of growth is 14 to 16 inches. Drought resistant. Apply top dressing in spring following fall planting. See for every other plantings. Waterlightly in for weeks in autumn and winter.
LESPEDEZA, SHRUB (Lespedeza thumbergia) plants	3' x 3'		J	F	M	A	M	J	J	A	S	O	N	D	Provide wildlife food and cover.
LOVEGRASS, WEEPING (Eragrostis curvula) alone with other perennials	4 lbs.	0.1 lb.	J	F	M	A	M	J	J	A	S	O	N	D	1,500,000 seed per pound. Quick cover. Drought tolerant. Grows well with Sericea lespedeza on floodlands.
PANICGRASS ATLANTIC COASTAL (Panicum amarum var. amarulum)	20 lbs.	0.5 lb.	J	F	M	A	M	J	J	A	S	O	N	D	Grows well on coastal sand dunes. Harder areas, and paved pts. Provide winter cover for wildlife. Mix with Sericea lespedeza except on sand dunes.
RED CANARY GRASS (Phalaris arundinacea) alone with other perennials	50 lbs.	1.1 lb.	J	F	M	A	M	J	J	A	S	O	N	D	Grows similar to tall fescue.
SUNFLOWER, 'AZTEC' MAXIMILLIAM (Helianthus maximiliani)	10 lbs.	0.2 lb.	J	F	M	A	M	J	J	A	S	O	N	D	227,000 seed per pound. Mix with weeping lovegrass or other low-growing grasses or legumes.

DURABLE SHRUBS AND GROUND COVERS FOR PERMANENT COVER

Common Name	Scientific Name	Mature Height	Plant Spacing	Comments
Abelia	Abelia grandiflora	3-4 ft.	5 ft.	Also a prostrate form 2 feet high. Sun, semi-shade. Semi-evergreen.
Carolina Yellow Jessamine	Gelsemium sempervirens	low	3 ft.	Vine, Yellow, trumpet-like flowers. Hardy, one of best vines. Evergreen. Native to Georgia.
Carpet Blue	Ajuga reptans	2-4 in.	3 ft.	Needs good drainage, partial shade. Blue or white flowers. Evergreen.
Bearberry Cotoneaster	Cotoneaster dammeri	2-4 in.	5 ft.	White flowers, red fruit. Sun. Evergreen.
Ground Cover Cotoneaster	Cotoneaster salicifolius 'Repens'	1-2 ft.	5 ft.	White flowers, red fruit. Sun. Evergreen.
Rock Cotoneaster	Cotoneaster horizontalis	1-2 ft.	5 ft.	Semi-evergreen. Sun.
Virginia Creeper	Parthenocissus quinquefolia	low	3 ft.	Red in fall. Vine. Deciduous. Native to Georgia.
Daylily	Hemerocallis spp.	2-3 ft.	2 ft.	Many flower colors. Full sun. Very Hardy.
English Ivy	Hedera helix	low	3 ft.	Shade only. Climbs.
Compacta Holly	Ilex crenata 'Compacta'	3-4 ft.	5 ft.	Sun, semi-shade.
Chinese Holly	Ilex cornuta 'Rotunda'	3-4 ft.	5 ft.	Very durable. Sun, semi-shade.
Dwarf Burford Holly	Ilex burfordii 'Nana'	5-8 ft.	8 ft.	
Dwarf Yaupon Holly	Ilex vomitoria 'Nana'	3-4 ft.	5 ft.	Very durable, sun, semi-shade.
Repandens Holly	Ilex crenata 'Repandens'	2-3 ft.	5 ft.	Sun, semi-shade.
Andorra Juniper	Juniperus horizontalis 'Plumosa'	2-3 ft.	5 ft.	Excellent for slopes. Sun.
Andorra Juniper	Juniperus horizontalis 'Plumosa'	1-2 ft.	5 ft.	More compact than andorra.

LOCATION SKETCH



NOT TO SCALE
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.

FUNCTIONAL CLASS:
MINOR ARTERIAL

THIS PROJECT IS 100 % IN FAYETTE COUNTY IN CONG. DIST. NO. 3.

LAND LOTS: 129
LAND DISTRICT: 6

NOTE:
PROJECT TO BE CONSTRUCTED AS PER GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CONSTRUCTION OF TRANSPORTATION SYSTEMS, CURRENT EDITION, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION AND MODIFIED BY CONTRACT DOCUMENTS.

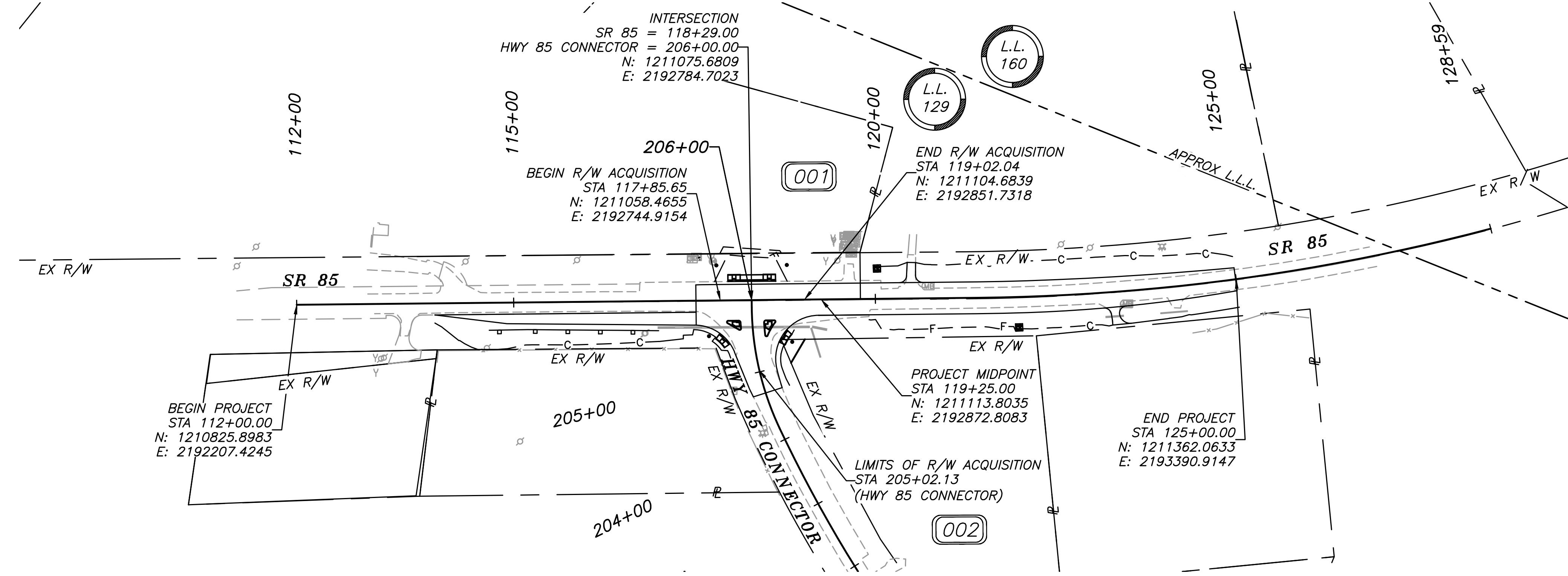
THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT 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.

FAYETTE COUNTY
RIGHT OF WAY PROPOSED
SR 85 AT HWY 85 CONNECTOR
INTERSECTION IMPROVEMENTS
PROJECT NO. 1866.048

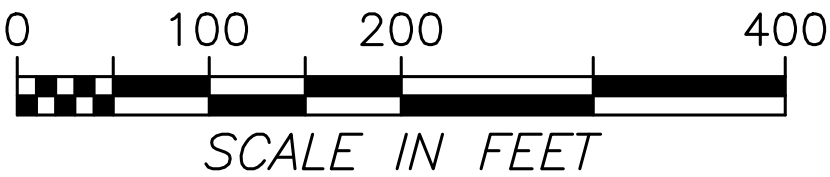
CONVENTIONAL SIGNS	
STATE OR COUNTY LINE	---
CITY LIMIT LINE	---
LAND LOT LINE	---
PROPERTY LINE	---
SURVEY OR BASE LINE	---
RIGHT OF WAY LINE	EXISTING

REQUIRED| LIMIT OF ACCESS | --- |
REQD R/W & LIMIT OF ACCESS	---
R/W MARKERS	---
FENCE	---
RAILROAD	---
POWER LINE	---
TELEPHONE LINE	---
POWER POLES	---
TELEPHONE OR TELEGRAPH POLES	---

PROJECT LOCATION



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

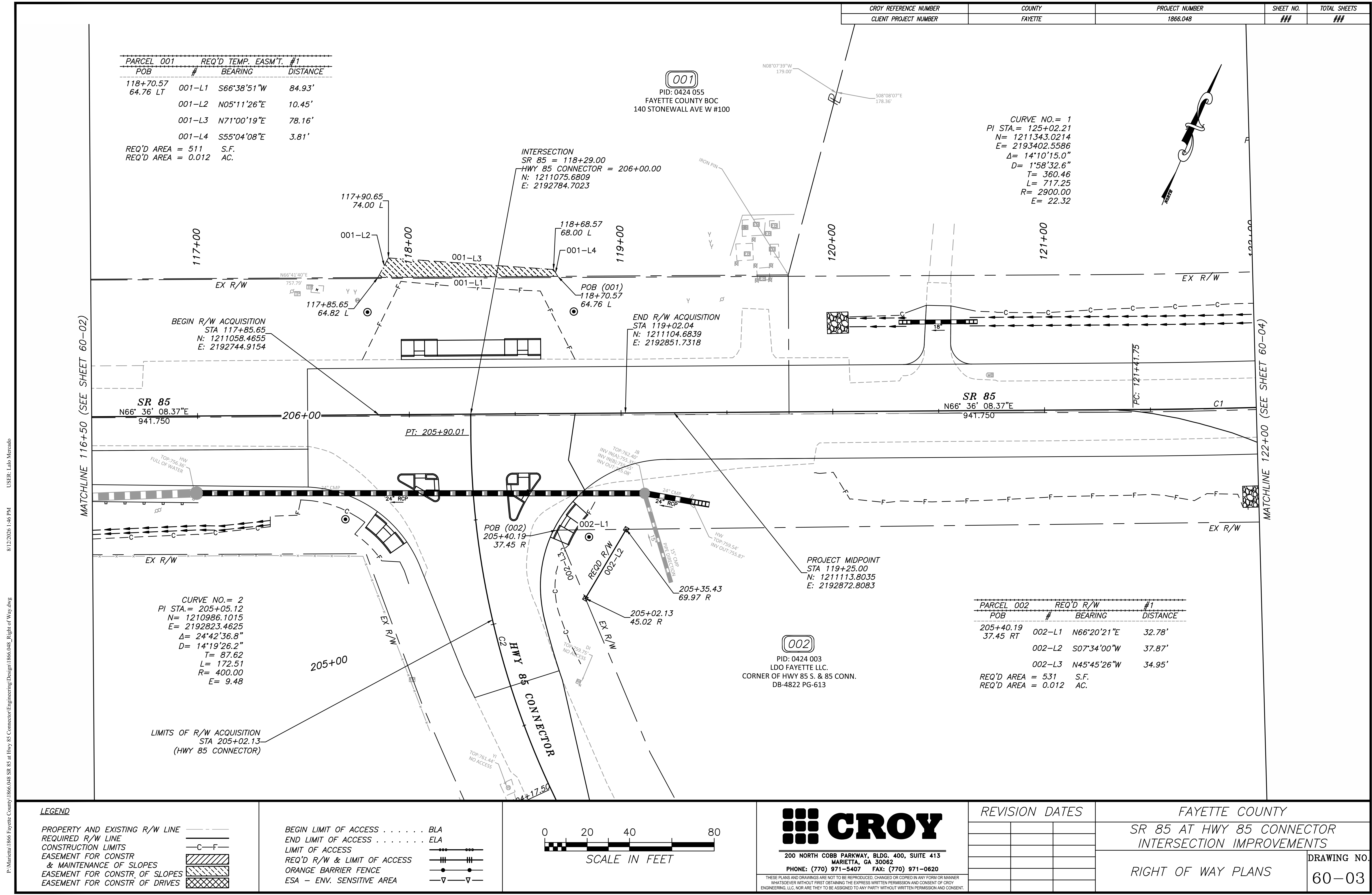


PLANS PREPARED BY: CHRIS RIDEOUT, P.E.
DESIGN

PLANS COMPLETED: 12/02/2024

REVISIONS	

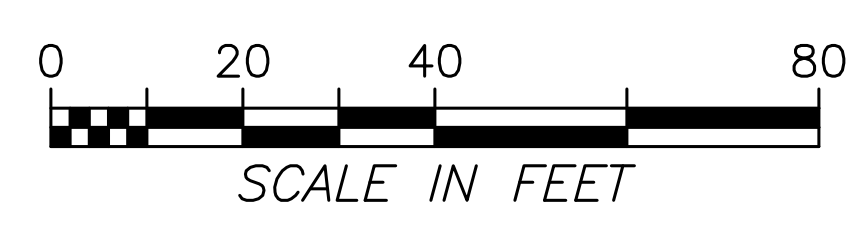
LENGTH OF RIGHT OF WAY PROJECT	COUNTY NO.
	113
NET LENGTH OF RIGHT OF WAY	MILES
NET LENGTH OF BRIDGES	0.117
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	0.000



P:\Marietta\1866 Fayette County\1866.048 SR 85 at Hwy 85 Connector\Engineering\Design\1866.048 Right of Way.dwg
8/12/2026 1:46 PM
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LEGEND	
PROPERTY AND EXISTING R/W LINE	---
REQUIRED R/W LINE	---
CONSTRUCTION LIMITS	-C-F-
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	---
ORANGE BARRIER FENCE	---
ESA - ENV. SENSITIVE AREA	---



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

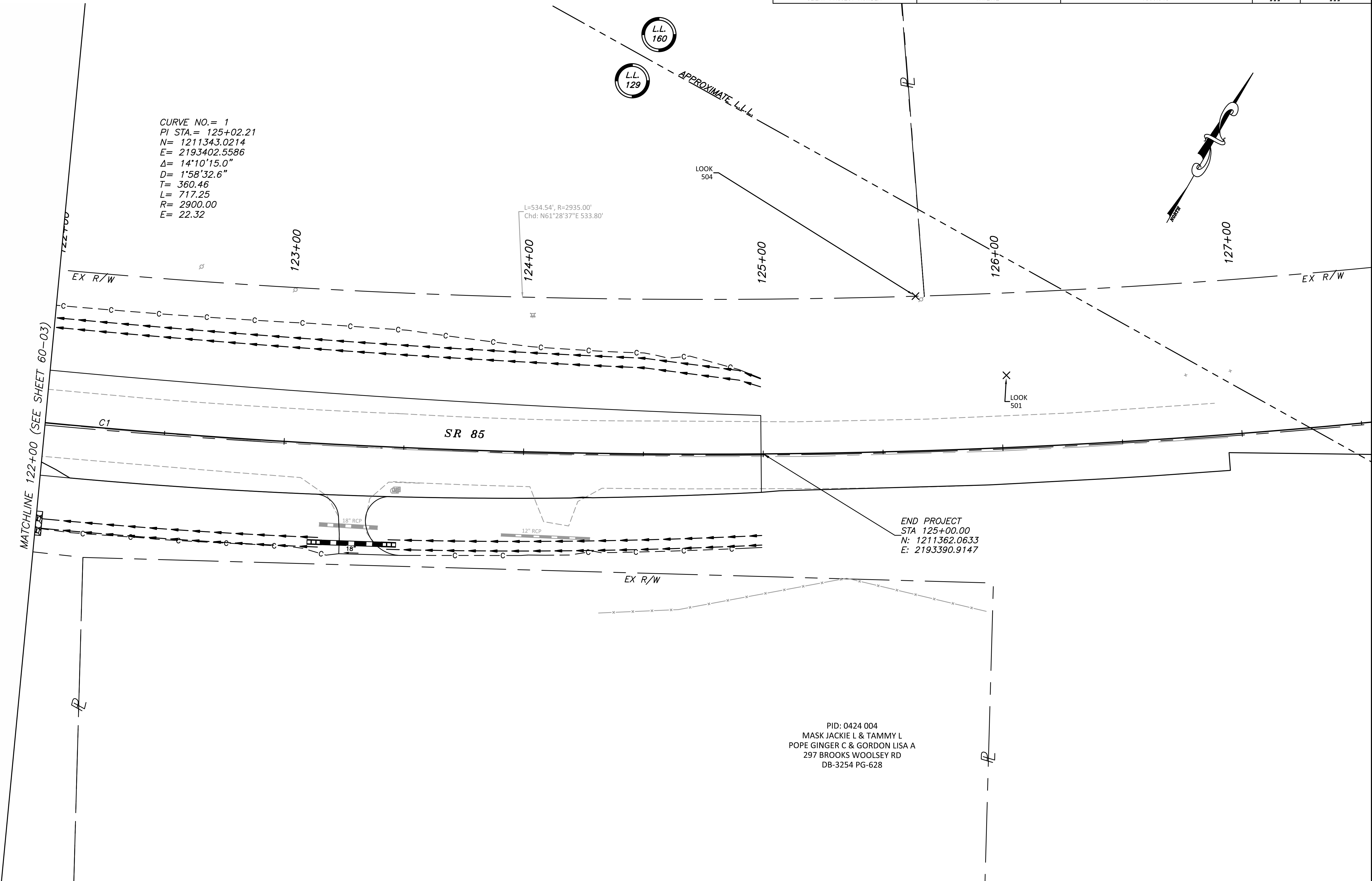
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REVISION DATES		

FAYETTE COUNTY	
SR 85 AT HWY 85 CONNECTOR INTERSECTION IMPROVEMENTS	
RIGHT OF WAY PLANS	DRAWING NO. 60-03

P:\Marietta\1866 Fayette County\1866.048 SR 85 at Hwy 85 Connector\Engineering\Design\1866.048 Right of Way.dwg 8/12/2026 1:46 PM USER: Lalo Mercado

CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CLIENT PROJECT NUMBER	FAYETTE	1866.048	##	##



LEGEND

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
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA



CROY

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
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REVISION DATES

FAYETTE COUNTY
SR 85 AT HWY 85 CONNECTOR
INTERSECTION IMPROVEMENTS

RIGHT OF WAY PLANS

DRAWING NO.
60-04