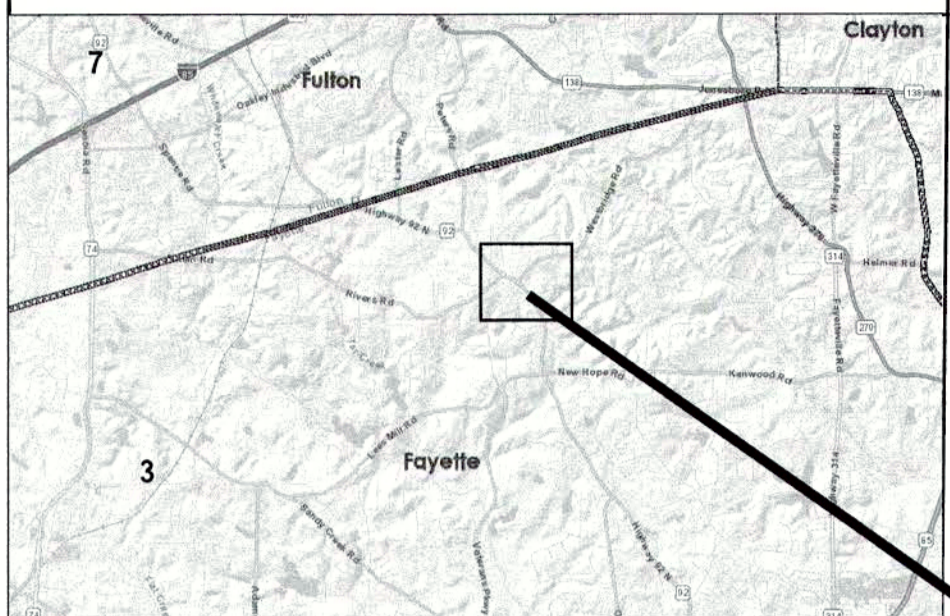


LOCATION SKETCH



NOT TO SCALE
 NOTE: THE COORDINATES LISTED ARE WEST ZONE GRID COORDINATES BASED ON THE GA. STATE PLANE COORDINATE SYSTEM OF 1985.
 HORIZONTAL DATUM : NAD 1983 MARN
 VERTICAL DATUM : NAVD 1988
 PROJECT UNITS: ENGLISH

PROJECT LOCATION

FAYETTE COUNTY BOARD OF COMMISSIONERS

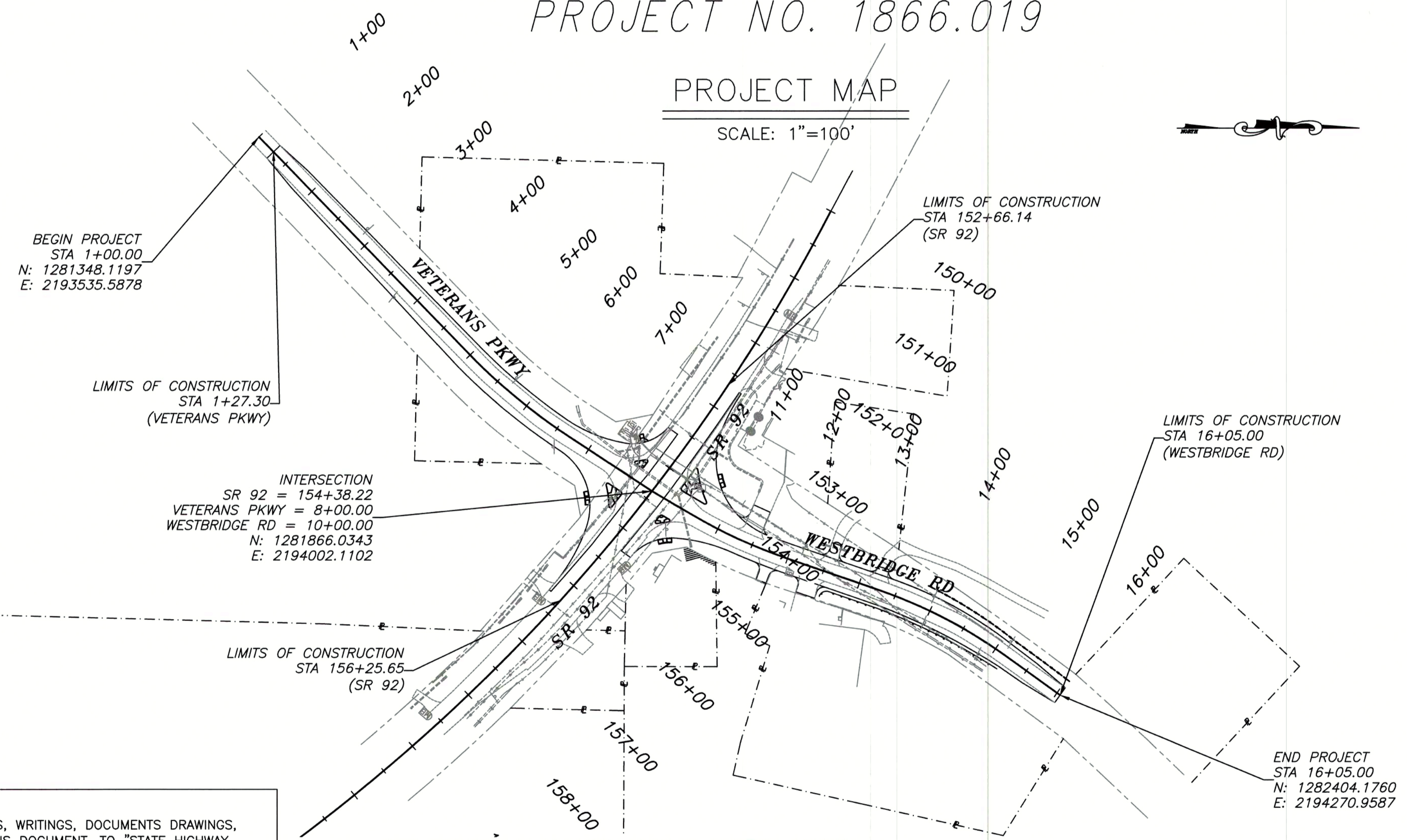
VETERANS PARKWAY AT SR 92



LAND LOT 256 OF THE 13TH DISTRICT,
 FAYETTE COUNTY, GEORGIA
 PROJECT PHASE: SIGNALIZATION
 FAYETTE COUNTY 2004 SPLOST PROJECT ID: R-5F
 PROJECT NO. 1866.019

PROJECT MAP

SCALE: 1"=100'



LENGTH OF PROJECT	COUNTY NO.
	113
NET LENGTH OF ROADWAY	MILES
NET LENGTH OF BRIDGES	0.00
NET LENGTH OF PROJECT	0.29
NET LENGTH OF EXCEPTIONS	0.00
GROSS LENGTH OF PROJECT	0.29

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

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS, OR IN ANY WAY 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 FAYETTE COUNTY IN ANY WAY. THE ATTENTION OF THE BIDDER IS SPECIFICALLY DIRECTED TO ARTICLES 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS OF THE DEPARTMENT OF TRANSPORTATION, FAYETTE COUNTY, FOR THE CONSTRUCTION OF ROADS AND BRIDGES, CURRENT EDITION, AND ANY MODIFICATIONS THEREOF, WHICH WILL BE A PART OF THIS CONTRACT.

ALL WORK TO BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE DEPARTMENT OF TRANSPORTATION OF GEORGIA, CURRENT EDITION, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION. - AND, AS MODIFIED BY CONTRACT DOCUMENTS.

THIS PROJECT IS LOCATED 100% IN FAYETTE COUNTY
 THIS PROJECT IS LOCATED 100% IN CONGRESSIONAL DISTRICT NO.13
 THIS PROJECT IS LOCATED 100% IN LAND DISTRICT 13

PROJECT DESIGNATION: SIGNALIZATION
 PDP CLASSIFICATION: N/A
 FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL

FEDERAL ROUTE NO. N/A
 STATE ROUTE NO. 92

PROJECT MIDPOINT
STA 7+63.31
N 1281825.7698
E 2193996.5795

PREPARED BY: _____
 DESIGN

UNDER THE SUPERVISION OF: CHRIS RIDEOUT, P.E.
 DESIGN



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



PLANS COMPLETED: 10/04/2019				
REVISIONS				
DATE	SHEET NO.	REQUESTED BY	GSWCC NO.	SIGNATURE

CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1866.019	FAYETTE	1866.019	###	###

PROJECT GENERAL NOTES:

TOTAL SITE AREA = 2.30 AC
TOTAL AREA TO BE DISTURBED = 0.95 AC

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH FAYETTE COUNTY STANDARDS AND THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD AND SUPPLEMENTAL SPECIFICATIONS, CURRENT EDITION.
- 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.
- THE FOLLOWING UTILITIES HAVE FACILITIES IN THE PROJECT AREA:
 - AT&T
ANDRE WALTON (404) 218-4468
 - COMCAST CABLE
ARNEY REGINALD (678) 878-5541
 - COWETA EMC
GUY BLANCHARD (770) 252-7486
 - ZAYO COMMUNICATIONS
RUSTY PERDIEU (678) 275-8288
 - FAYETTE WATER
JAMES MUNSTER (770) 320-6082
- INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE GEORGIA STANDARD SPECIFICATIONS.
- RIGHT-OF-WAY MARKERS IN RESIDENTIAL LAWN AND DEVELOPED COMMERCIAL AREAS SHALL BE PLACED FLUSH WITH THE FINISHED SURFACE.
- 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 THE EASEMENT AREAS. WITH THE PRIOR APPROVAL OF THE ENGINEER, THESE MATERIALS MAY BE PLACED WITHIN THE R/W PROVIDED THERE IS THREE (3') FEET OF MINIMUM COVER AND THERE ARE NO PLANS FOR THE FUTURE WIDENING OF THE ROADWAY.
- PERFORATED UNDERDRAIN SHALL BE PLACED IN AREAS WHERE WET CONDITIONS EXIST IN THE SUBGRADE AS DIRECTED BY THE ENGINEER.
- 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.
- 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.
- ALL EXISTING PIPE NO LONGER IN USE SHALL BE REMOVED UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER. REMOVAL OF PIPE SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".
- 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".
- 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.
- 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 - 4" CONCRETE DRIVEWAY PAVING
- 4" CRUSHER RUN, GAB, OR OTHER MATERIAL AS APPROVED BY ENGINEERING
- COMMERCIAL - 6" CONCRETE DRIVEWAY PAVING
- 4" CRUSHER RUN, GAB, OR OTHER MATERIAL AS APPROVED BY ENGINEERING

PROJECT GENERAL NOTES CONT'D:

- ALL CONCRETE SIDEWALKS AND WHEEL CHAIR RAMPS LOCATED IN THE RADIUS RETURN SHALL BE 8" THICKNESS.
- 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.
- 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.
- 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.
- 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. THE INSTALLATION OF THE EROSION CONTROL ITEMS MAY BE INSTALLED CONCURRENT WITH THE START OF THE LAND DISTURBING ACTIVITIES, IF ALLOWED BY THE ESPCP.
- SPRINKLER SYSTEMS TO BE HANDLED AS FOLLOWS:

CASE 1 - SYSTEMS WITHIN THE CONSTRUCTION LIMITS OWNED BY INDIVIDUALS OR PRIVATE COMPANIES ARE TO BE REMOVED TO THE BACK OF THE CONSTRUCTION LIMITS AND PLUGGED.

CASE 2 - SYSTEMS SHOWN BY THE PLANS TO BE REMOVED AND RELOCATED SHALL BE RELOCATED TO THE BACK OF THE SIDEWALK. COST SHALL BE INCLUDED IN PRICE BID FOR "GRADING COMPLETE".
- 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.
- AN N.O.I. (NOTICE OF INTENT) IS NOT REQUIRED FOR THIS PROJECT. THE DISTURBED AREA IS 0.95 ACRES.
- 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.
- ALL ROADWAY DRAINAGE PIPES SHALL BE REINFORCED CONCRETE. THE GDOT PIPE SELECTION CHART MAY ONLY BE USED FOR DRIVEWAY PIPES.
- CONTRACTOR TO PROVIDE PRE-CONSTRUCTION PHOTOS OF ALL DRIVEWAYS TO PROJECT ENGINEER PRIOR TO CONSTRUCTION. PHOTOS MAY BE DIGITAL.
- 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.

PROJECT GENERAL NOTES CONT'D:

- 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.
- THE ROADWAY FINAL SURFACE COURSE JOINTS MUST MATCH THE PROPOSED LANE EDGES AS SHOWN IN THE PAVEMENT MARKING PLANS.


MAINTENANCE OF TRAFFIC GENERAL NOTES:

- ALL ITEMS NECESSARY FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR "TRAFFIC CONTROL".
- ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION, AND ANY APPLICABLE FAYETTE COUNTY STANDARDS.
- ALL SIGNS SHALL HAVE TYPE III RETROREFLECTIVE SHEETING UNLESS OTHERWISE NOTED.
- IN RESIDENTIAL AREAS, TEMPORARY AND PERMANENT SIGNS SHALL BE LOCATED ON OR AS CLOSE AS POSSIBLE TO PROPERTY LINES.
- EXISTING TRAFFIC SIGNS SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. MAINTENANCE INCLUDES REPLACING DAMAGED AND STOLEN SIGNS, AND PERIODIC CLEANING OF EXISTING SIGNS AND CONSTRUCTION RELATED TRAFFIC CONTROL DEVICES.
- THE WORKSITE 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.
- 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 PUBLIC WORKS DEPARTMENT. THE TEMPORARY BARRIERS CANNOT BE PLACED LESS THAN TWO (2) FEET FROM THE EDGE OF THE TRAVEL LANE. THE USE OF TYPE I AND II BARRICADES AND TRAFFIC CONES IS PROHIBITED.
- 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.
- 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.
- FAYETTE COUNTY PUBLIC WORKS DEPARTMENT 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 OR GDOT.
- THE CONTRACTOR MUST OBTAIN A ROAD CLOSURE PERMIT FROM FAYETTE COUNTY PUBLIC WORKS DEPARTMENT A MINIMUM OF 3 WEEKS PRIOR TO ROAD CLOSURE. FOR INFORMATION CALL (770-320-6010).
- REFLECTORIZED TYPE 3 BARRICADES SHALL BE USED AT THE ACTUAL LOCATION OF TOTAL STREET CLOSURE. EACH BARRICADE SHALL HAVE TWO TYPE 'A' LIGHTS AND ONE R11-2 (ROAD CLOSED) SIGN ATTACHED.
- ALL M4-9 SIGNS SHALL HAVE ADVISORY BLADES (INSTALLED ABOVE THE "DETOUR" SIGN) IDENTIFYING THE CLOSED STREET THAT THE DETOUR ROUTE SERVES.
- INFORMATION SIGNS, INFORMING MOTORISTS OF THE ROAD CLOSURE 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)
(DATE) THRU (DATE)
(REASON FOR CLOSURE)
FOR INFO CALL (770-320-6010)

THESE SIGNS SHALL BE RETROREFLECTIVE SHEETING ON METAL, 4 INCH BLACK UPPER AND LOWER CASE LETTERING (SERIES 'B' OR WIDER) ON WHITE BACKGROUND.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PREPARE A MAINTENANCE OF TRAFFIC PLAN FOR APPROVAL BY FAYETTE COUNTY PUBLIC WORKS DEPARTMENT BEFORE STARTING CONSTRUCTION. PAYMENT SHALL BE INCLUDED IN THE PRICE FOR "TRAFFIC CONTROL". THE CONTRACTOR WILL NOT BE ALLOWED TO CLOSE THE ROAD DURING THE CONSTRUCTION OF THE PROJECT WITHOUT APPROVAL BY THE ENGINEER.
- NO LANE CLOSURES ARE ALLOWED BETWEEN 6-9AM AND 4-7PM WITHOUT PRIOR APPROVAL BY THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS TO ALL DRIVEWAYS AT ALL TIMES.

P:\Marietta\1866 Fayette County\1866.019 Veterans Pkwy at SR 92\Engineering\Design\1866.019_Cover.dwg 10/14/2019 4:18 PM USER: Ravi Vaahani



**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 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	

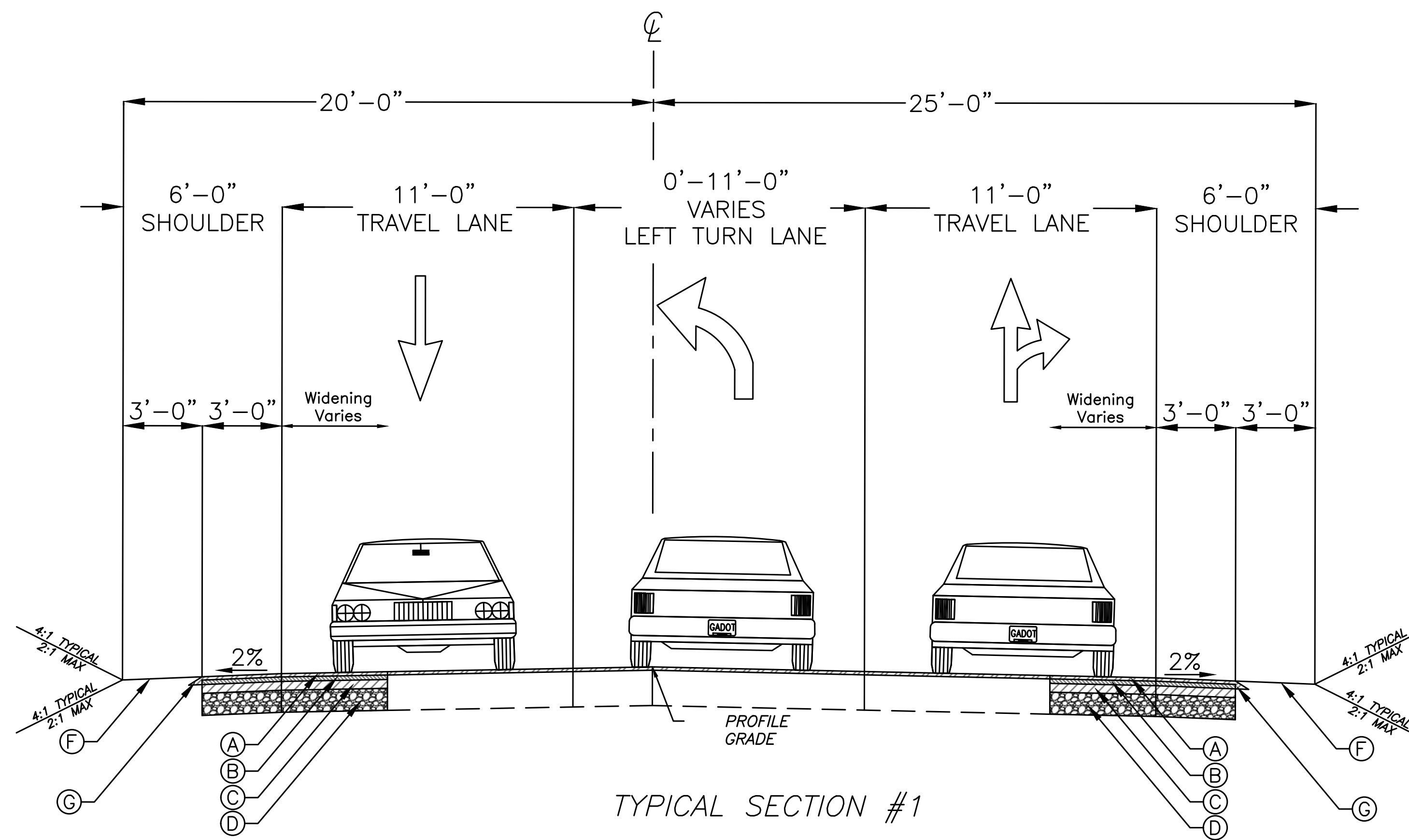
FAYETTE COUNTY

VETERANS PARKWAY AT SR 92

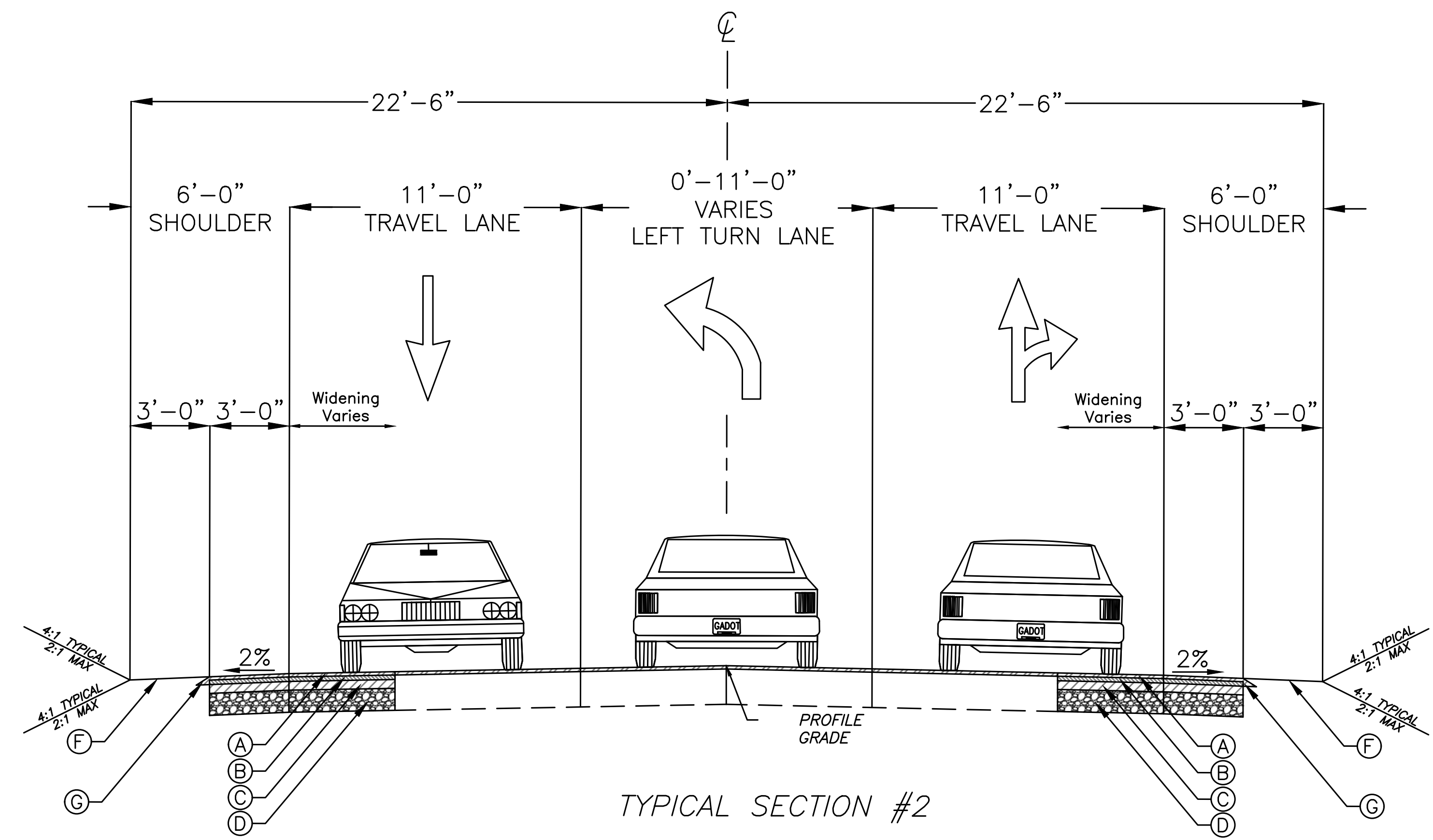
GENERAL NOTES

	DRAWING NO. 04-01
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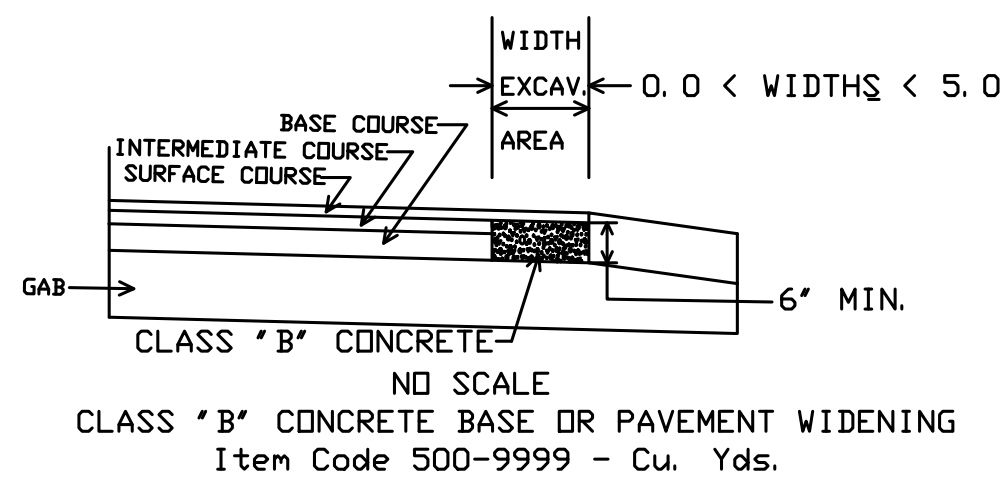
CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1866.019	FAYETTE	1866.019	###	###



VETERANS PARKWAY
STA. 01+27.27 TO STA. 06+43.66



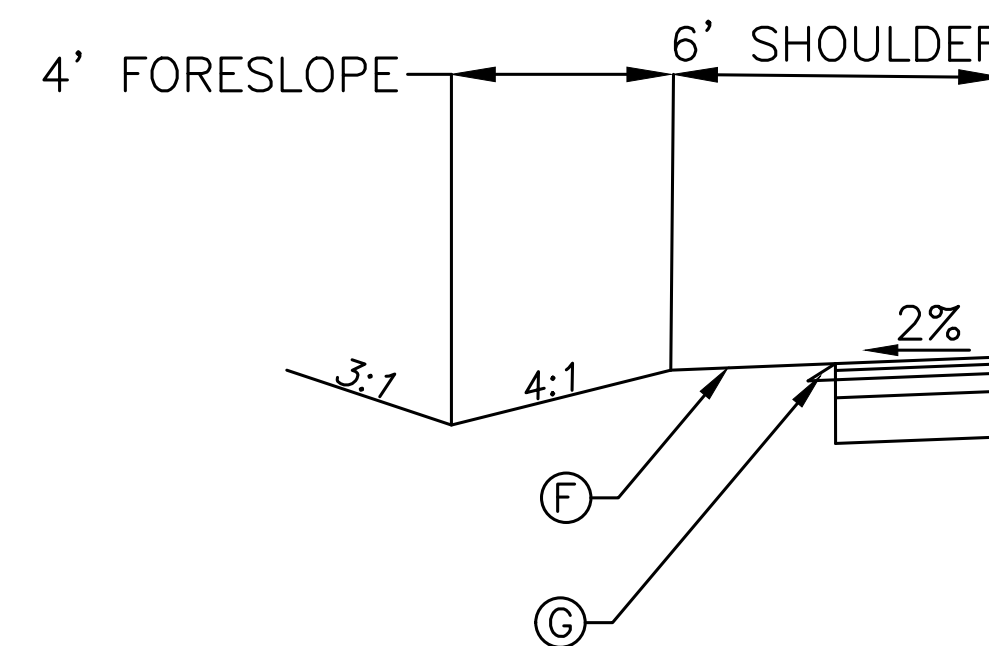
WESTBRIDGE ROAD
STA. 11+36.24 TO STA. 16+05.00



In excavated areas between the existing paving and new curb and gutter that are 5'-0" or less in width, Class "B" concrete shall be placed in lieu of the base and paving specified by the typical section. Payment will be made under "Class B Concrete Base and Pavement Widening".

In excavated areas greater than 5'-0" in width, the Contractor shall place base and paving as specified on the typical section.

CLASS "B" CONCRETE BASE OR WIDENING DETAIL



***LEFT SHOULDER ON WESTBRIDGE ROAD FROM STA. 14+00 TO 16+00 CONTRACTOR TO TIE DITCH INTO EX DITCH AT STA 14+00

- (A) 1.5" RECYCLED ASPHALTIC CONCRETE 12.5mm SUPERPAVE, INCL BITUM MATL & H LIME (165 LB/SY)
- (B) 2" RECYCLED ASPHALTIC CONCRETE 19 mm SUPERPAVE, INCL BITUM MATL & H LIME (220 LB/SY)
- (C) 4" RECYCLED ASPHALTIC CONCRETE 25 mm SUPERPAVE, INCL BITUM MATL & H LIME (440 LB/SY)
- (D) 10" GRADED AGGREGATE BASE
- (E) CLASS B CONC BASE FOR PAVEMENT WIDENING, MIN 10" THICK
- (F) PERMANENT GRASS
- (G) SEE GA STANDARD DETAIL P-7 FOR SAFETY EDGE TREATMENT

P:\Marietta\1866 Fayette County\1866.019 Veterans Pkwy at SR 92\Engineering\Design\1866.019_Typical.dwg 10/14/2019 4:18 PM USER: Ravi Vachhani

CROY

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
	VETERANS PARKWAY AT SR 92
	TYPICAL SECTIONS
	DRAWING NO. 05-01

CROY REFERENCE NUMBER 1866.019	COUNTY FAYETTE	PROJECT NUMBER 1866.019	SHEET NO. ###	TOTAL SHEETS ###
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ROADWAY ITEMS														
LOCATION	GR AGGR BASE CRS, 6 INCH, INCL MATL S.Y.	GR AGGR BASE CRS, 10 INCH, INCL MATL S.Y.	AGGR SURFACE CRS* TON	RECYCLED ASPH CONC PATCHING TON	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM TON	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM TON	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM TON	TACK COAT GAL	MILL ASPHALT CONC. PVMT, VARIABLE DEPTH S.Y.	CONCRETE MEDIAN, 7.5 IN. S.Y.	CURB CUT WHEELCHAIR RAMP, TP A EA	CURB CUT WHEELCHAIR RAMP, TP B EA	PVMT REINF FABRIC STRIPS, TP 2, 18 IN WIDE LF	CLASS B CONC, BASE OR PVMT WIDENING CY
VETERANS PKWY	22	1180	10	10	201	100	274		2121	31	1	1	1473	45
WESTBRIDGE RD	24	1345			276	139	278		1867	67		2	1357	16
TOTAL	46	2525	10	10	477	239	552		3988	98	1	3	2830	61

GRADING COMPLETE
LUMP SUM

TRAFFIC CONTROL
LUMP SUM

GUARDRAIL QUANTITIES			
LOCATION & SIDE	GUARDRAIL "W" BEAM	GUARDRAIL TERMINAL, TP 12A - 31", TANGENT, ENERGY ABSORBING	GUARDRAIL ANCHORAGE TP 1
	LF	EA	EA
STA 12+55 - 15+17 RT	198	1	1
TOTAL	198	1	1

TEMPORARY EROSION CONTROL							
LOCATION	MULCH-DISTURBED AREA	TEMPORARY SILT FENCE TP S	MAINTENANCE OF TEMPORARY SILT FENCE TP S	CONSTRUCT & REMOVE INLET SEDIMENT TRAP	MAINTENANCE OF INLET SEDIMENT TRAP	STONE CHECK DAMS	MAINTENANCE OF STONE CHECK DAMS
	TON	LIN. FT.	LIN. FT.	EACH	EACH	EACH	EACH
SUB-TOTAL	2	1839	1839	1	1	5	5
TOTAL	2	1839	1839	1	1	5	5

PERMANENT EROSION CONTROL					
LOCATION	STD DUMPED RIP RAP TP 3, 18 IN.	PERMANENT GRASSING	TEMPORARY GRASSING	AGRICULTURAL LIME	FERTILIZER MIXED GRADE
	SY	ACRE	ACRE	TON	TON
SUB-TOTAL	26	1	1	1	1
TOTAL	26	1	1	1	1

DRAINAGE ITEMS					
STRUCTURE NUMBER	LOCATION	18" STORM DRAIN PIPE, H 1-10	SAFETY END SECTION, 18 IN., STORM DRAIN, SLOPE 4:1	ADJUST MANHOLE TO GRADE	GDOT 9031U 18" PIPE COLLAR
		LIN. FT.	EACH	EACH	EACH
VETERANS PKWY				1	
WESTBRIDGE RD				2	
EX A4.1	10+77.71 RT				1
A4.2	10+83.20 RT	10	1		
PROJECT TOTALS		10	1	3	1

P:\Marietta\1866 Fayette County\1866.019 Veterans Pkwy at SR 92\Engineering\Design\Working Drawings\1866.019_Quantities.dwg 10/14/2019 4:18 PM USER: Ravi Vaachani



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
VETERANS PARKWAY AT SR 92

SUMMARY OF QUANTITIES

DRAWING NO.
06-01

STANDARD SIGNS													
LOCATION	HIGHWAY SIGNS				HIGHWAY SIGNS			POSTS					
	SIGN CODE	TP 1 MATL. REFL. SHEETING TP 3			SIGN CODE	TP 1 MATL. REFL. SHEETING TP 9		TYPE 7			TYPE 9		
		SIZE	QTY	SQ. FT		SIZE	QTY	SQ. FT	LENGTH (FT)	QTY	TOTAL LENGTH	LENGTH (FT)	QTY
VETERANS PKWY													
01+59 RT					W3-3	30" X 30"	1	6.25	14	1	14		
					W16-9P	24" X 12"	1	2.00					
05+89 LT	R2-1	24" X 30"	1	5.00					14	1	14		
07+27 RT	R560-5	24" X 30"	1	5.00					13	1	13		
07+32 LT					R1-2	36"X36"X36"	1	3.9	13	1	13		
07+52 RT					R1-2	36"X36"X36"	1	3.9	13	1	13		
07+55 RT	R2-1	24" X 30"	1	5.00					14	1	14		
07+58 LT	R560-5	24" X 30"	1	5.00					13	1	13		
WESTBRIDGE RD													
10+40 LT	R2-1	24" X 30"	1	5.00					14	1	14		
10+41 RT	R560-5	24" X 30"	1	5.00					13	1	13		
10+46 LT					R1-2	36"X36"X36"	1	3.9	13	1	13		
10+71 RT					R1-2	36"X36"X36"	1	3.9	13	1	13		
10+75 LT	R560-5	24" X 30"	1	5.00					13	1	13		
11+58 RT	R2-1	24" X 30"	1	5.00					14	1	14		
15+89 LT					W3-3	30" X 30"	1	6.25	14	1	14		
					W16-9P	24" X 12"	1	2.00					
TOTALS				40				32.1			272		45

TRAFFIC STRIPE		
DESCRIPTION	UNIT	QUANTITY
		THERMOPLASTIC
5" SOLID WHITE	LIN. FT.	2977
5" SOLID YELLOW	LIN. FT.	1447
24" SOLID WHITE	LIN. FT.	92
8" SOLID WHITE	LIN. FT.	1239
5" SKIP WHITE(2'SEG, 6"GAP)	GR. LIN. FT.	111
HATCH WHITE	SQ. YD.	567
HATCH YELLOW	SQ. YD.	374

ARROWS (EACH)	
DESCRIPTION	QUANTITY
	THERMOPLASTIC
TYPE 2	14
TYPE 3	6
REMOVE EXISTING	17

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

RAISED PAVEMENT MARKERS (EACH)			
DESCRIPTION	REFLECTIVE-RAISED		
	YELLOW	CLEAR	CLEAR/RED
	TYPE 1	TYPE 2	TYPE 3
VETERANS PKWY	12		14
WESTBRIDGE RD	12		14
SR 92	14		26
TOTAL	38	0	54

OVERHEAD SPAN WIRE SIGNS					
HIGHWAY SIGNS					
SIGN CODE	TP 2 MATL. REFL. SHEETING TP 9			OVERHEAD SIGN SHEET MATERIAL	
	SIZE	UNIT	QTY.	UNIT	QTY.
D3-1	18" X 42"	EA	2	SQ. FT.	10.5
D3-2	18" X 104"	EA	1	SQ. FT.	13
D3-3	18" X 100"	EA	1	SQ. FT.	12.5
D3-4	18" X 100"	EA	1	SQ. FT.	12.5
D3-5	18" X 104"	EA	1	SQ. FT.	13
TOTAL			6		61.5

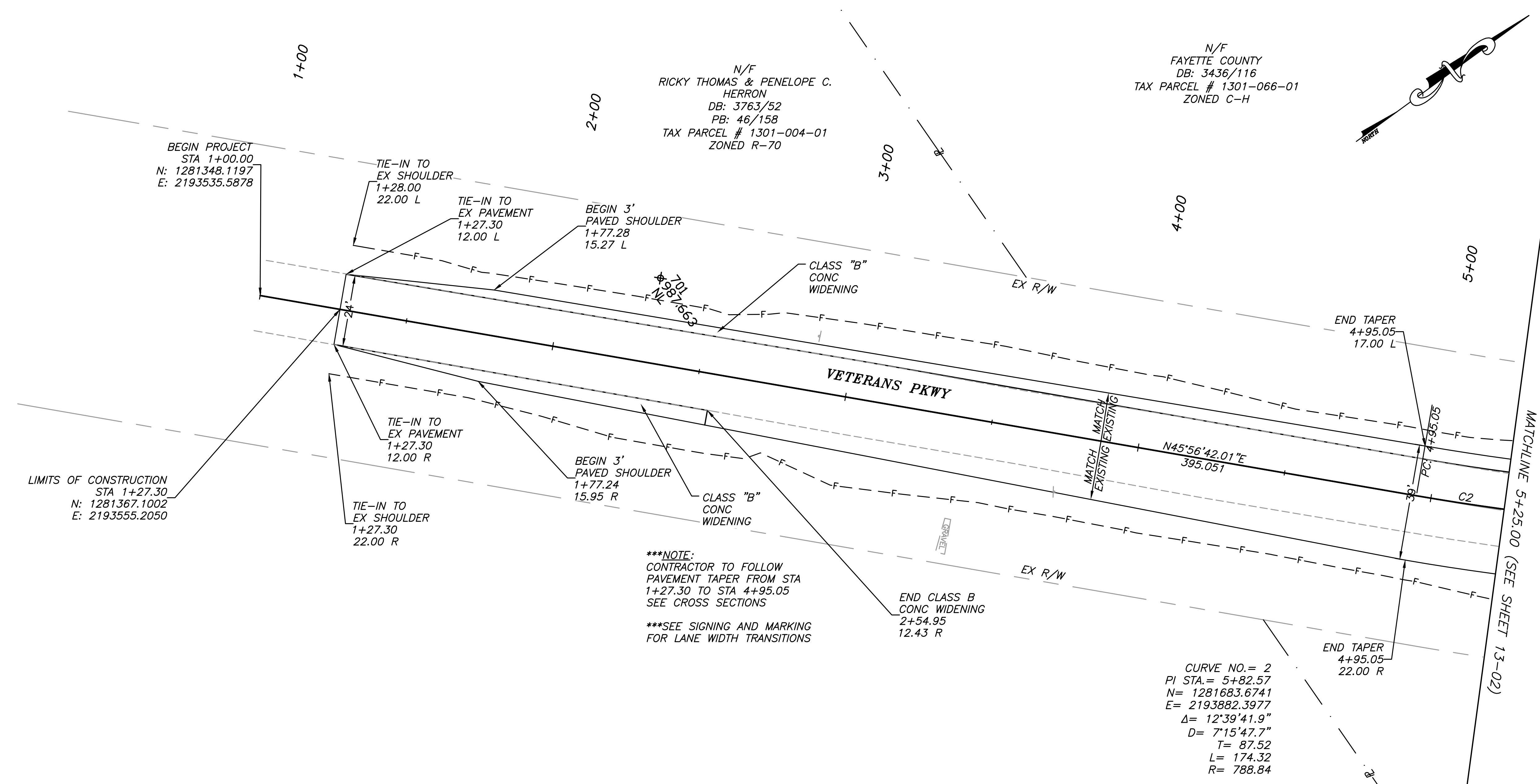
***SEE SHEET 27-02 FOR SIGNAL QUANTITIES

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REVISION DATES		

FAYETTE COUNTY	
VETERANS PARKWAY AT SR 92	
SUMMARY OF QUANTITIES	DRAWING NO. 06-02



Survey Control Points

Control Point	Northing	Easting	Elevation	DESCRIPTION
701	1281460.4400	2193610.3110	987.663	NL

***NOTE:
CONTRACTOR TO FOLLOW
PAVEMENT TAPER FROM STA
1+27.30 TO STA 4+95.05
SEE CROSS SECTIONS

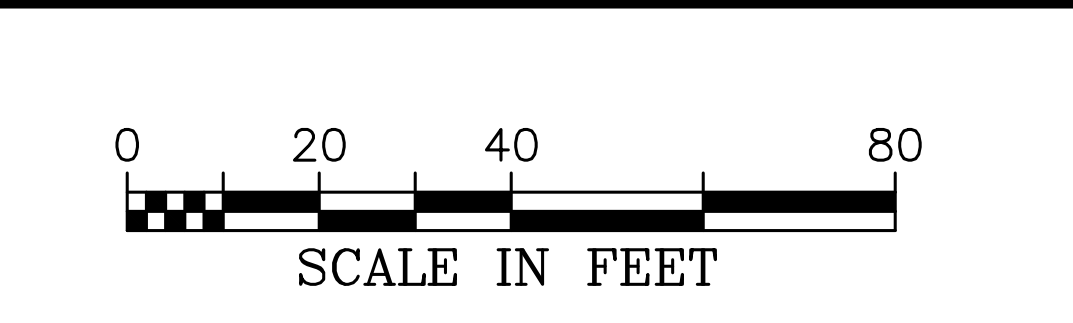
***SEE SIGNING AND MARKING
FOR LANE WIDTH TRANSITIONS

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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	—▽—▽—



CROY

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
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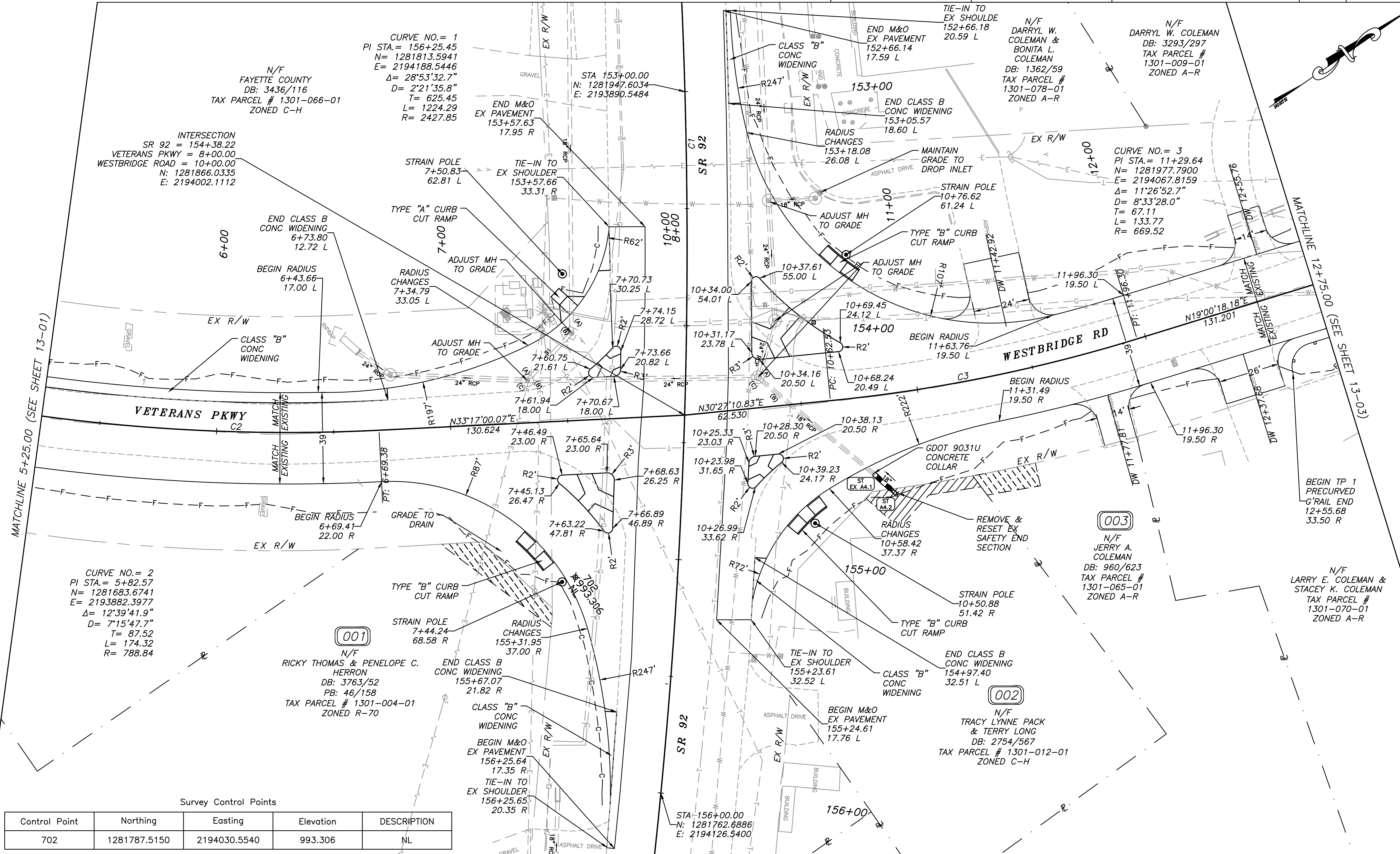
REVISION DATES

FAYETTE COUNTY

VETERANS PARKWAY AT SR 92

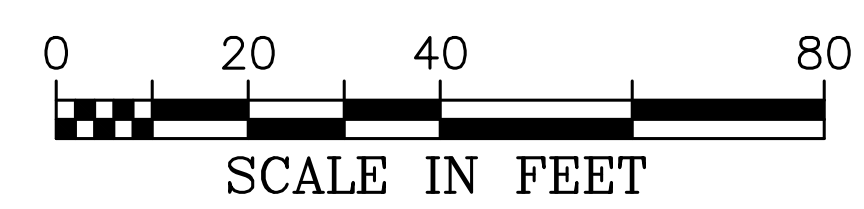
MAINLINE PLANS

DRAWING NO.
13-01



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	▨ ▩



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REVISION DATES

FAYETTE COUNTY

VETERANS PARKWAY AT SR 92

MAINLINE PLANS

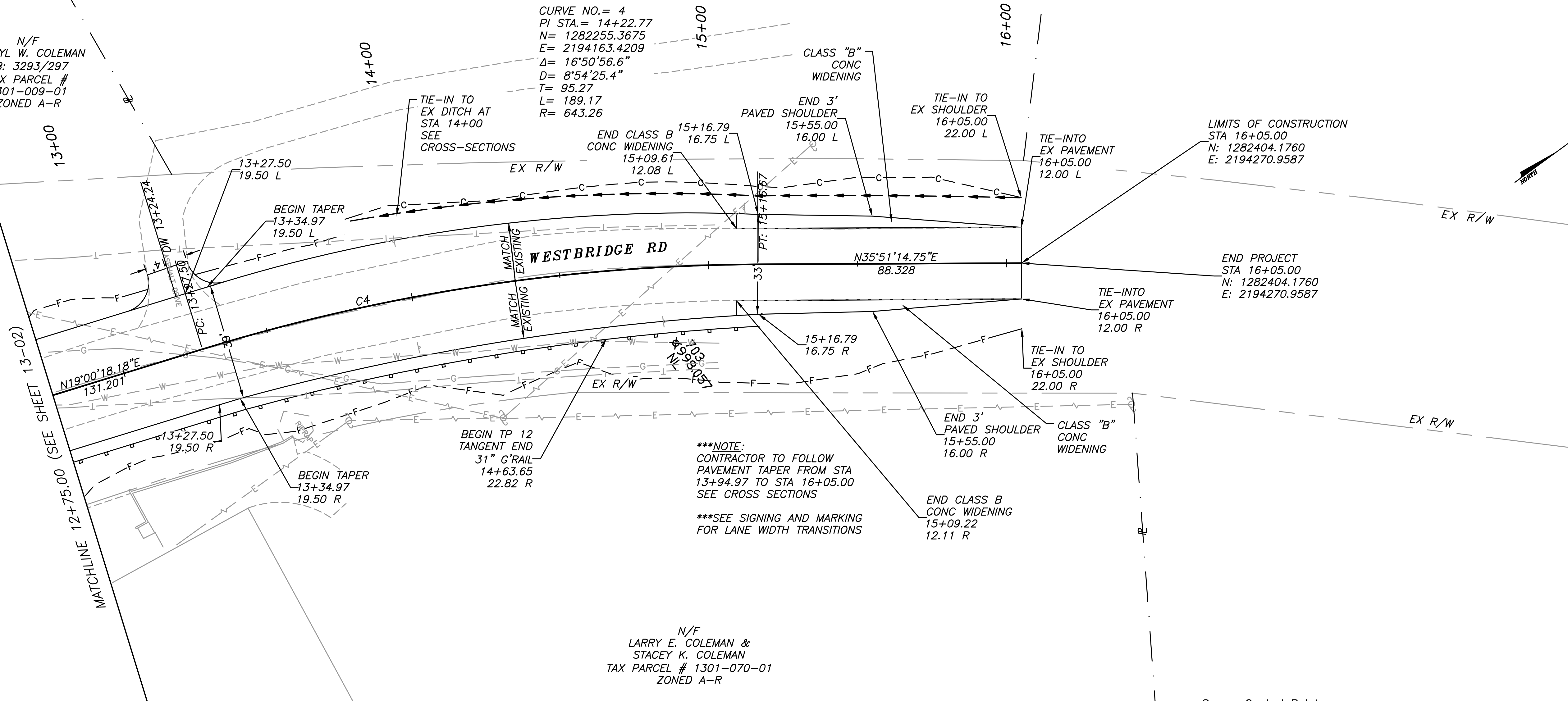
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N/F
DARRYL W. COLEMAN &
BONITA L. COLEMAN
DB: 1362/59
TAX PARCEL # 1301-078-01
ZONED A-R

N/F
DARRYL W. COLEMAN
DB: 3293/297
TAX PARCEL #
1301-009-01
ZONED A-R

CURVE NO.= 4
PI STA.= 14+22.77
N= 1282255.3675
E= 2194163.4209
Δ= 16°50'56.6"
D= 8°54'25.4"
T= 95.27
L= 189.17
R= 643.26



***NOTE:
CONTRACTOR TO FOLLOW
PAVEMENT TAPER FROM STA
13+94.97 TO STA 16+05.00
SEE CROSS SECTIONS

***SEE SIGNING AND MARKING
FOR LANE WIDTH TRANSITIONS

N/F
LARRY E. COLEMAN &
STACEY K. COLEMAN
TAX PARCEL # 1301-070-01
ZONED A-R

Survey Control Points

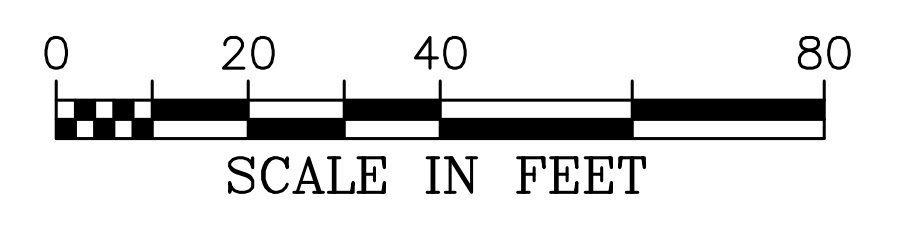
Control Point	Northing	Easting	Elevation	DESCRIPTION
703	1282294.6740	2194224.3200	998.057	NL

P:\Marietta\1866 Fayette County\1866.019 Veterans Pkwy at SR 92\Engineering\Design\1866.019_Plans.dwg 10/14/2019 4:19 PM USER: Ravi Vaahani

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

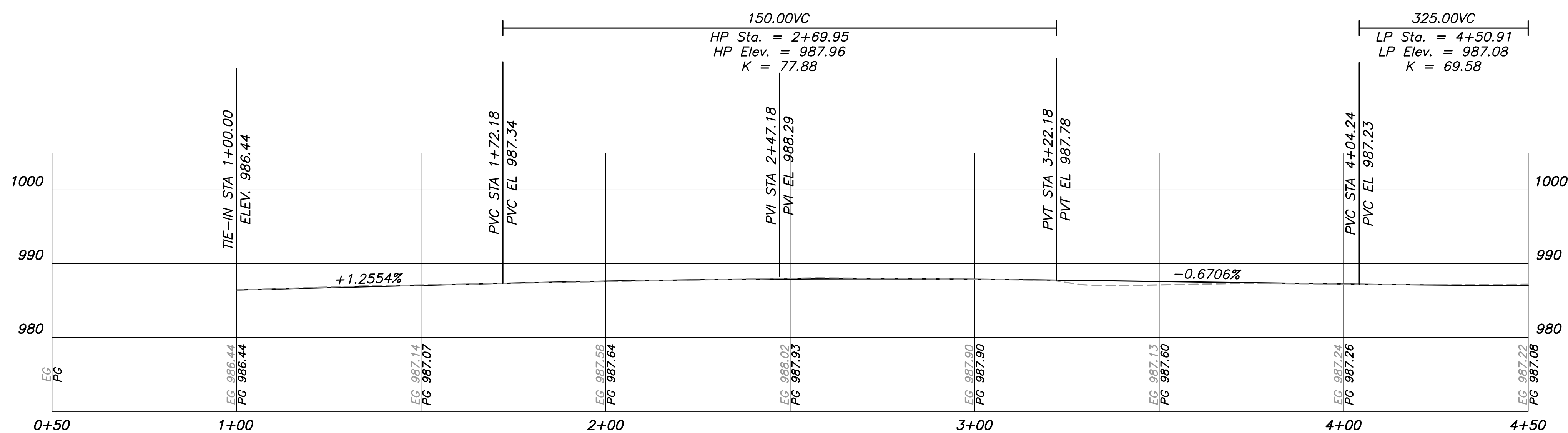


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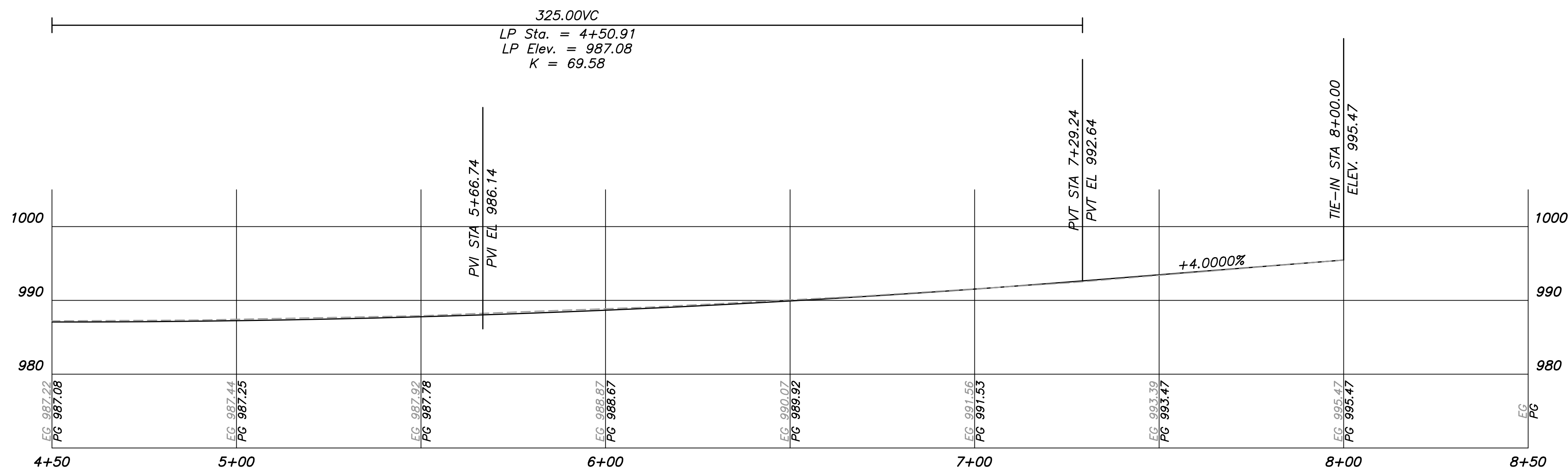
REVISION DATES	

FAYETTE COUNTY
VETERANS PARKWAY AT SR 92
DRAWING NO. 13-03
MAINLINE PLANS

CROY REFERENCE NUMBER 1866.019	COUNTY FAYETTE	PROJECT NUMBER 1866.019	SHEET NO. ###	TOTAL SHEETS ###
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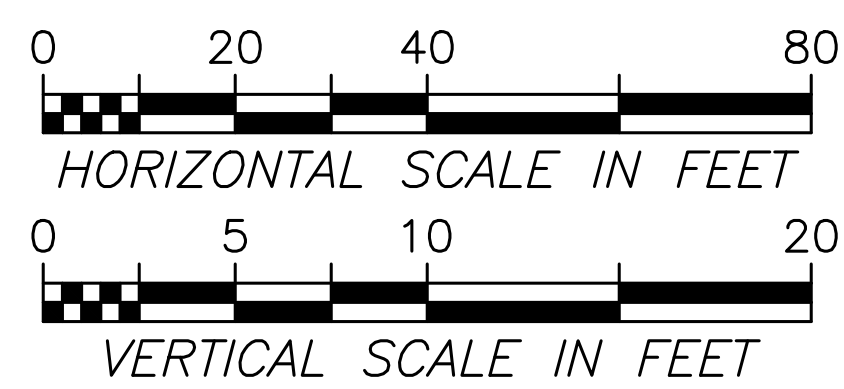


Veterans Pkwy



Veterans Pkwy (cont'd)

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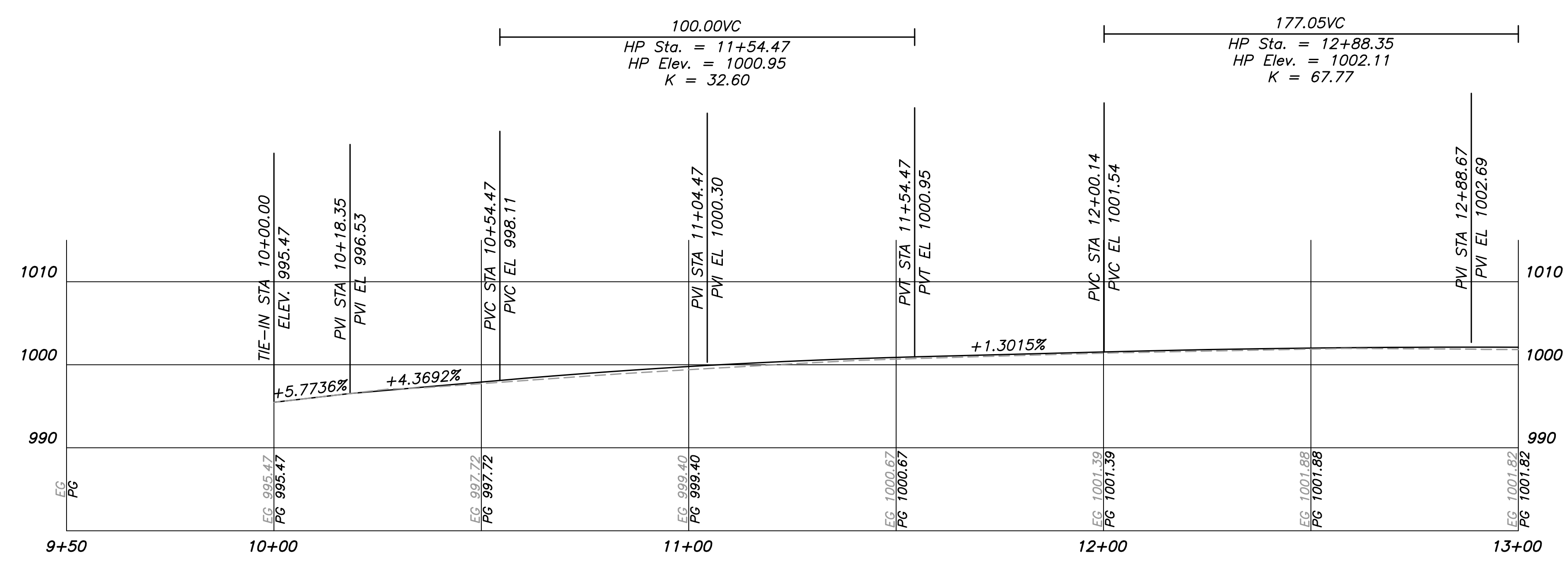


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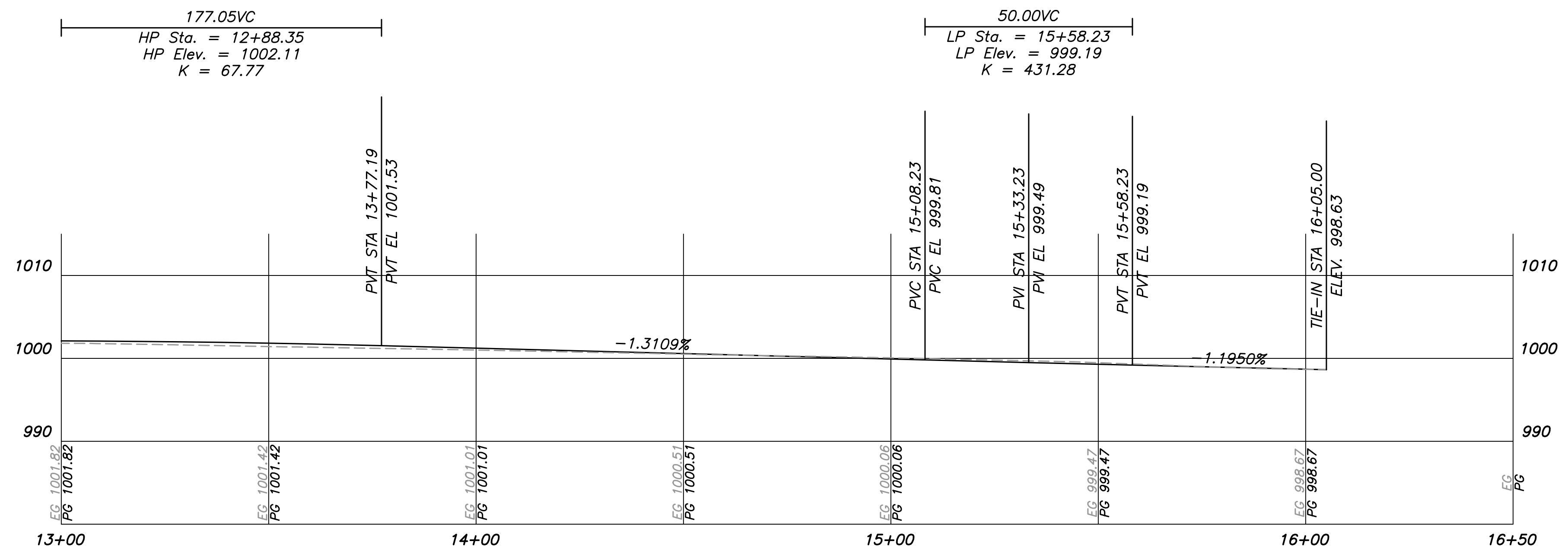
REVISION DATES	

FAYETTE COUNTY	
VETERANS PARKWAY AT SR 92	
MAINLINE PROFILES	DRAWING NO. 15-01

CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1866.019	FAYETTE	1866.019	###	###

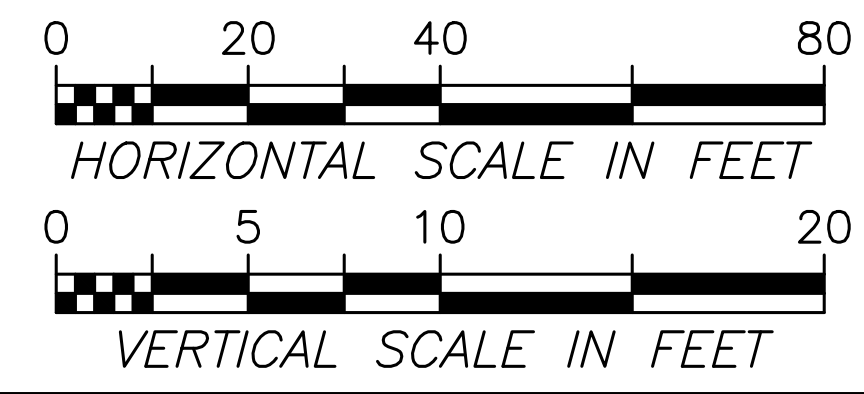


Westbridge Rd



Westbridge Rd (cont'd)

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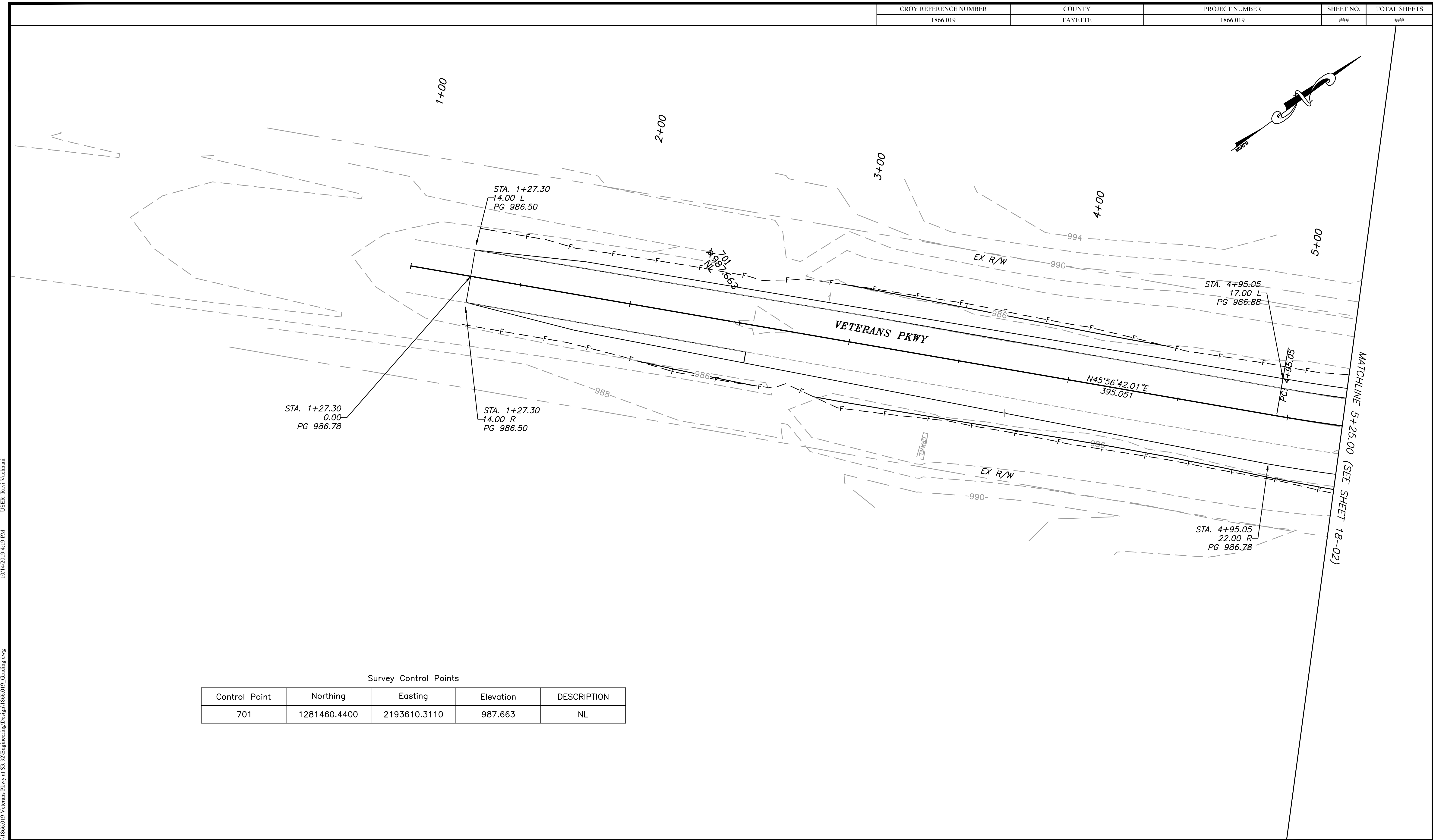


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REVISION DATES	

FAYETTE COUNTY	
VETERANS PARKWAY AT SR 92	
MAINLINE PROFILES	DRAWING NO. 15-02

CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1866.019	FAYETTE	1866.019	###	###



STA. 1+27.30
0.00
PG 986.78

STA. 1+27.30
14.00 R
PG 986.50

STA. 4+95.05
17.00 L
PG 986.88

STA. 4+95.05
22.00 R
PG 986.78

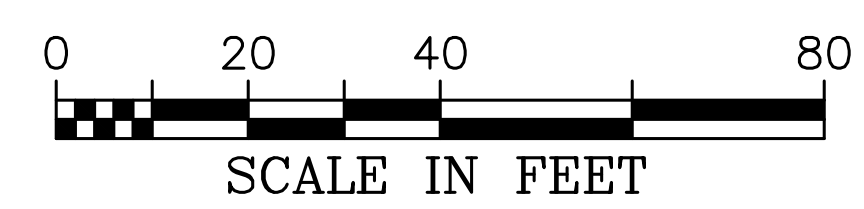
Survey Control Points

Control Point	Northing	Easting	Elevation	DESCRIPTION
701	1281460.4400	2193610.3110	987.663	NL

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		—▽—▽—▽—



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REVISION DATES

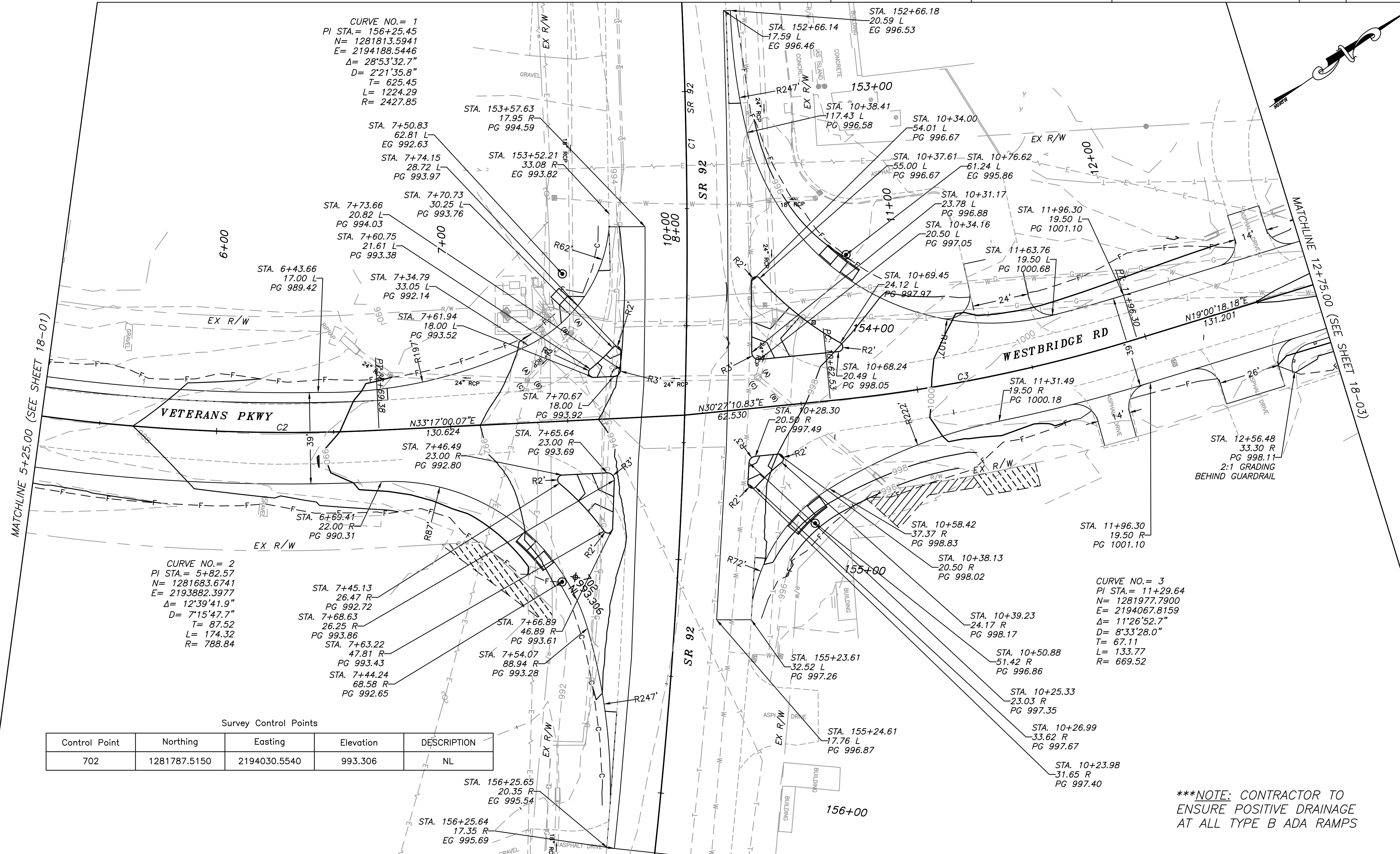
FAYETTE COUNTY

VETERANS PARKWAY AT SR 92

SPECIAL GRADING PLANS

DRAWING NO. 18-01

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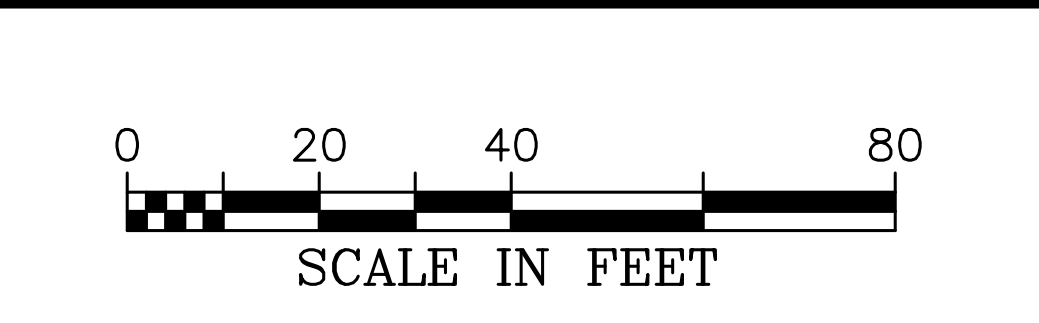
***NOTE: CONTRACTOR TO ENSURE POSITIVE DRAINAGE AT ALL TYPE B ADA RAMPS

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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	▧



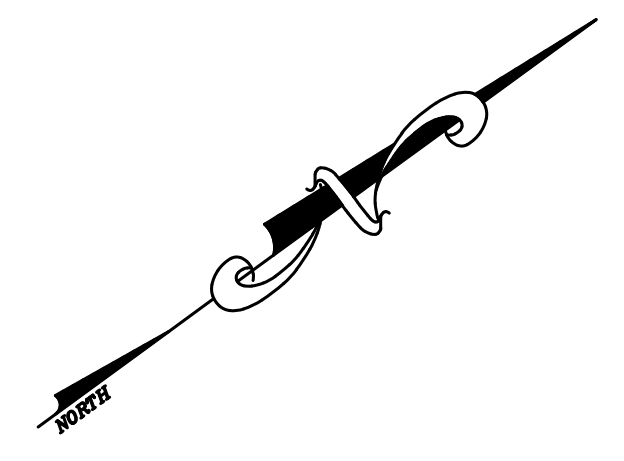
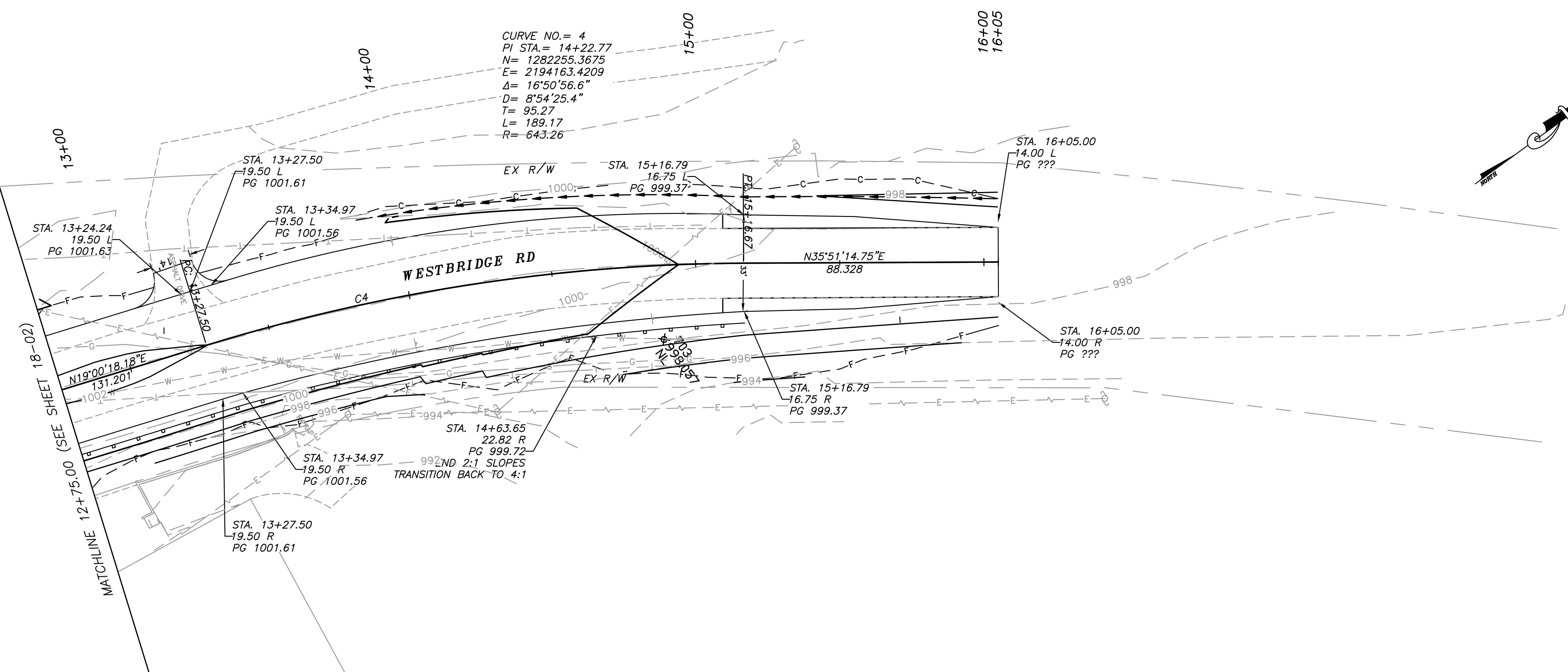
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REVISION	DATE	DESCRIPTION

FAYETTE COUNTY	
VETERANS PARKWAY AT SR 92	
SPECIAL GRADING PLANS	DRAWING NO. 18-02



Survey Control Points

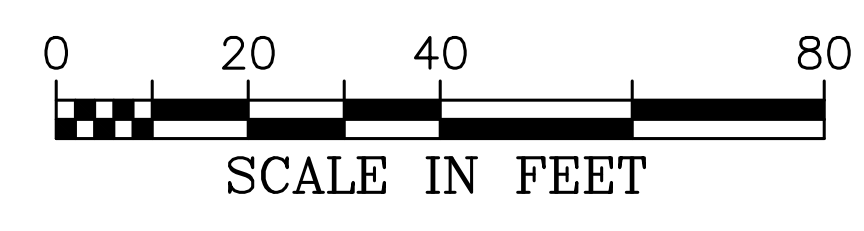
Control Point	Northing	Easting	Elevation	DESCRIPTION
703	1282294.6740	2194224.3200	998.057	NL

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 10/14/2019 4:20 PM
 USER: Ravi Vaishani

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	▽-▽-▽-▽



CROY

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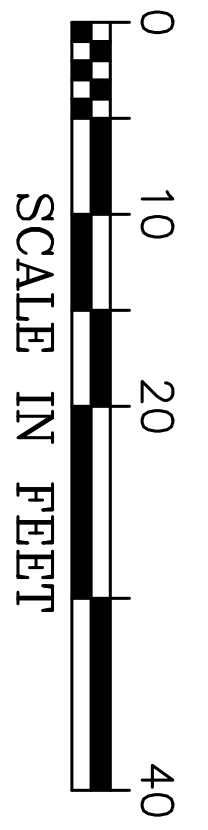
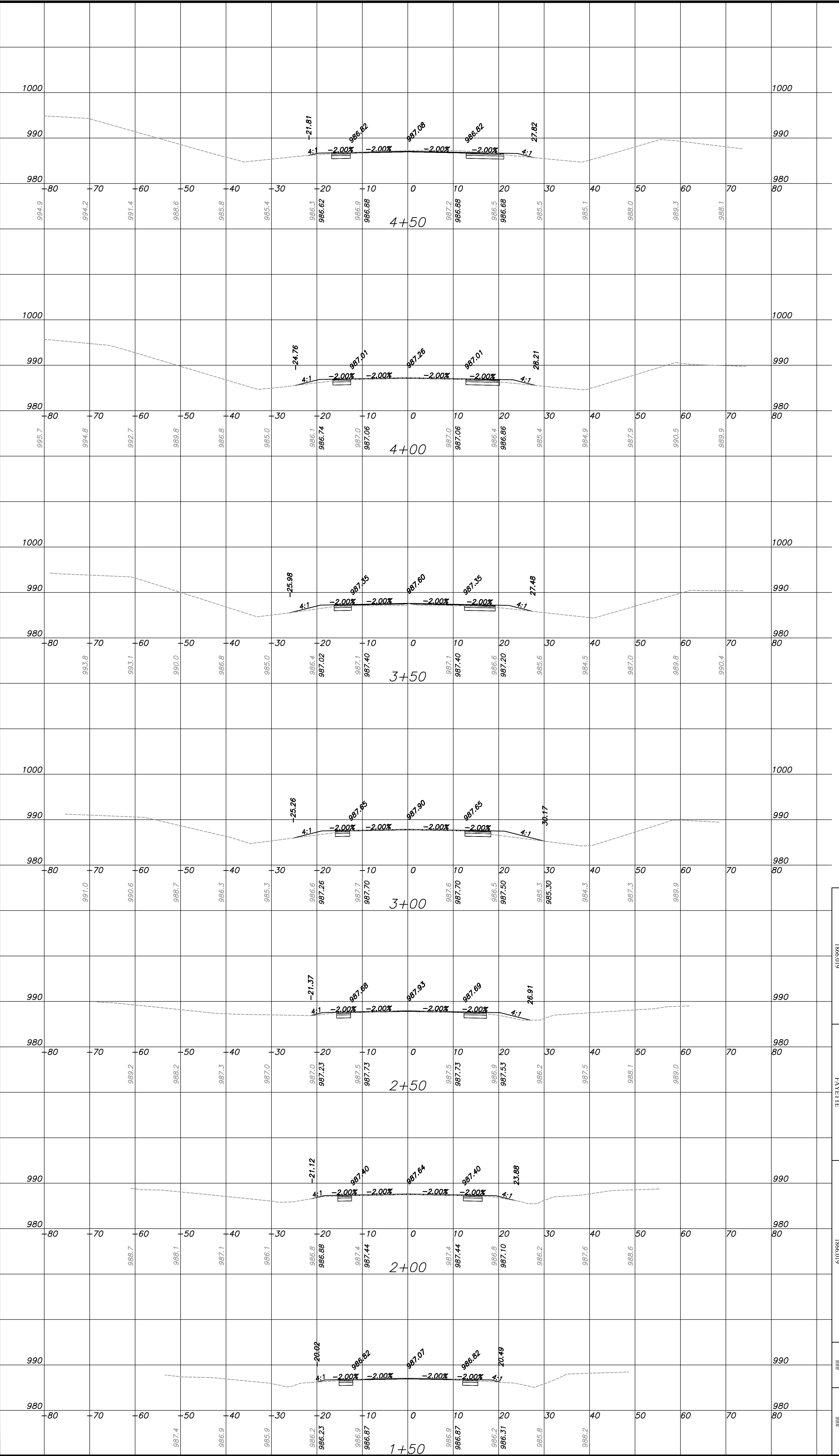
REVISION DATES

FAYETTE COUNTY

VETERANS PARKWAY AT SR 92

SPECIAL GRADING PLANS

DRAWING NO. 18-03



CROY

200 NORTH COBB PARKWAY, SUITE 400, SUITE 413
 Kennesaw, GA 30144
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FAYETTE COUNTY

VETERANS PARKWAY AT SR 92

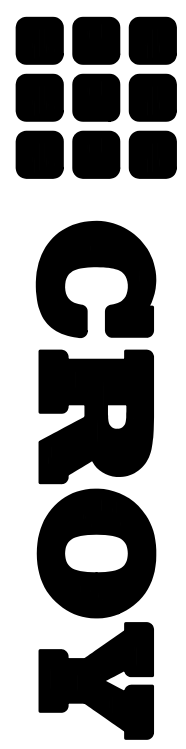
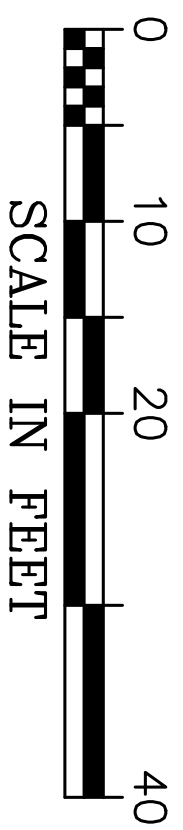
CROSS SECTIONS
VETERANS PKWY

DRAWING NO.
23-01

CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1866.019	FAYETTE	1866.019	###	###

REVISION DATES

***SEE SHEET 18-02
FOR GRADING THROUGH
INTERSECTION

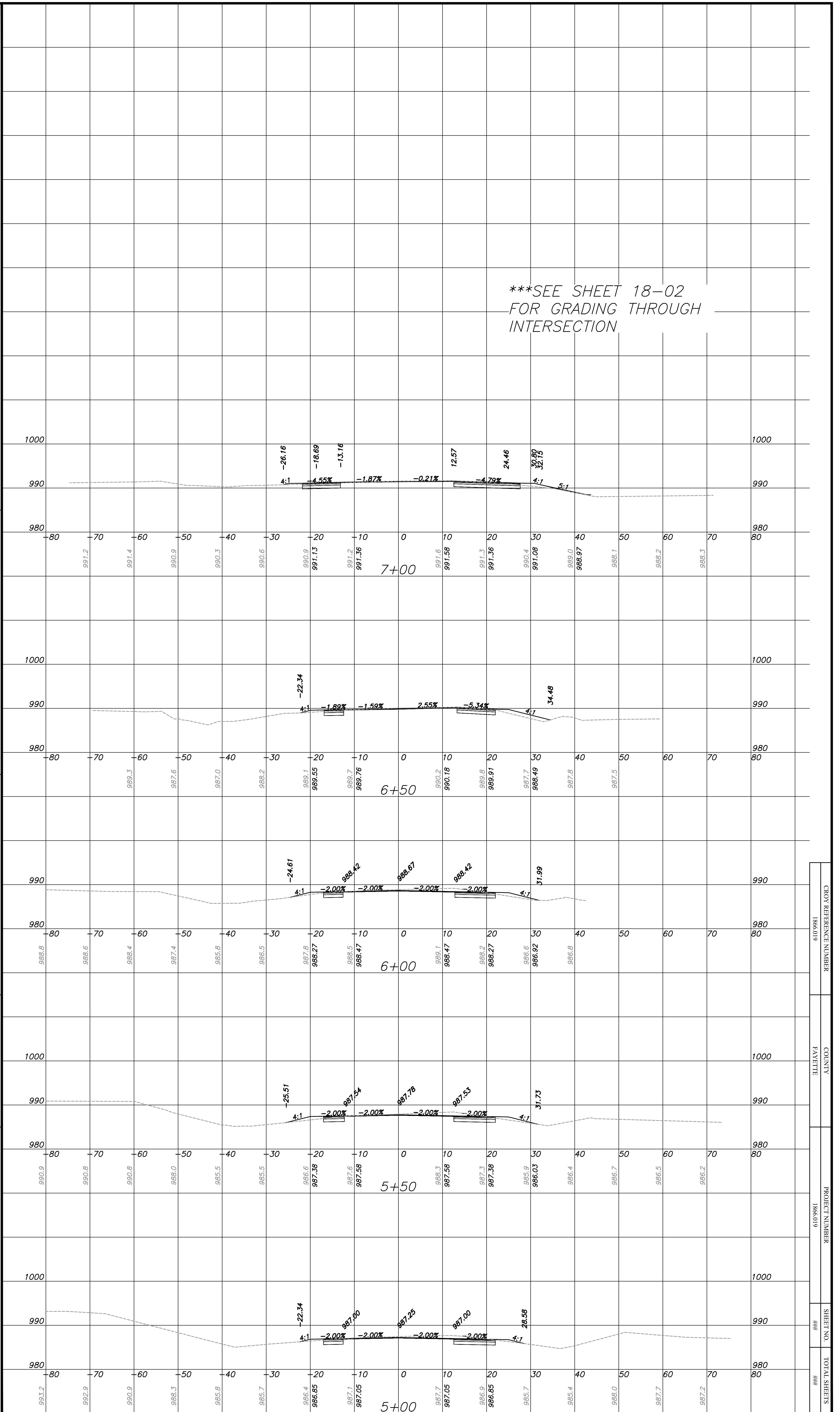


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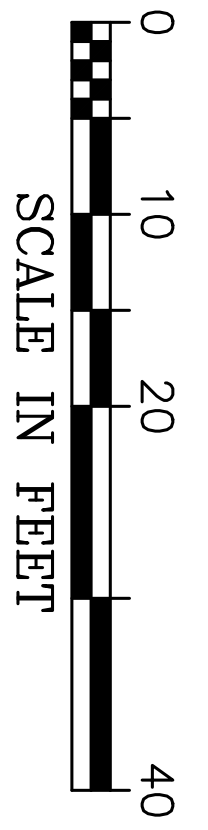
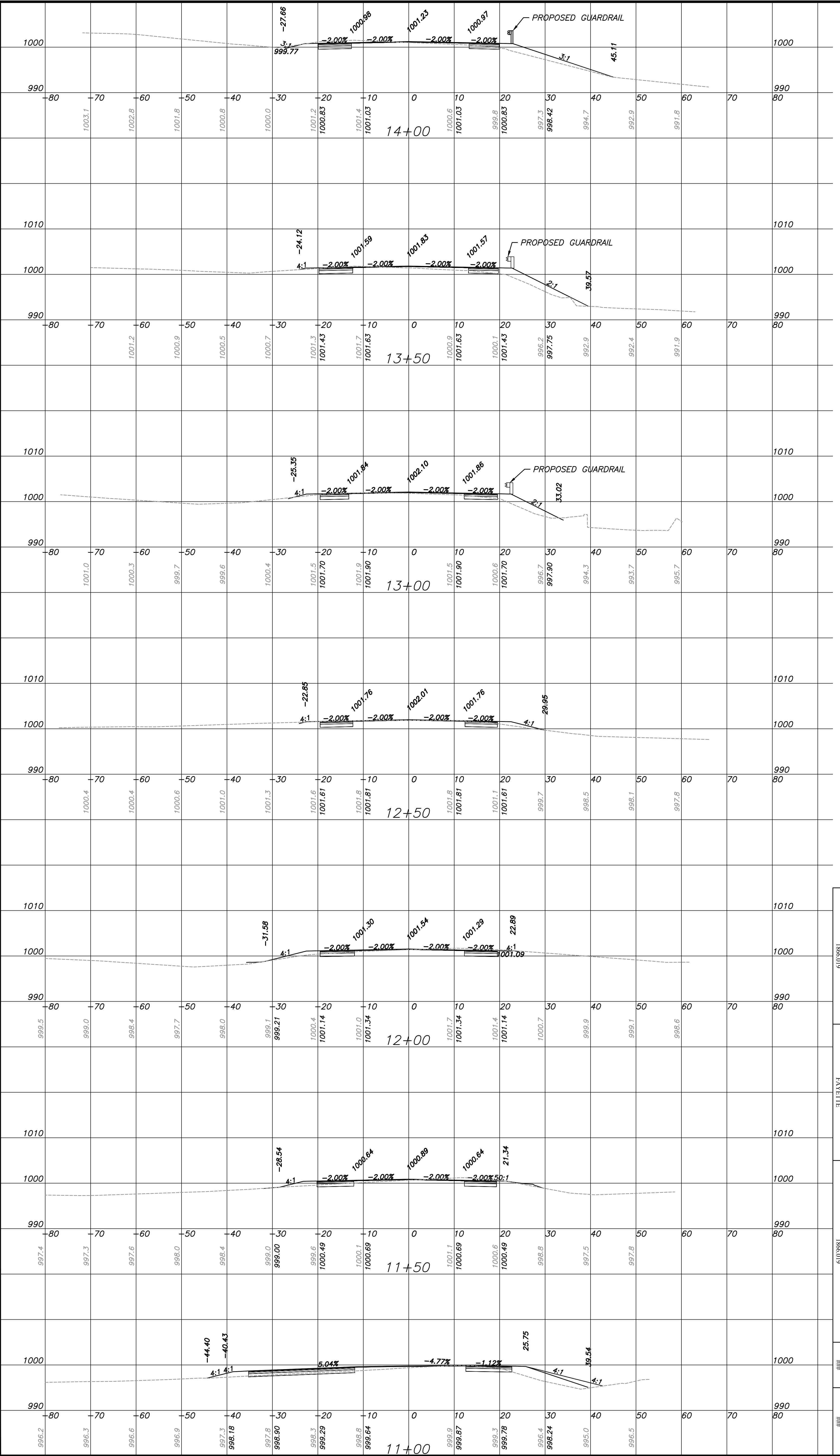
REVISION DATES

FAYETTE COUNTY
VETERANS PARKWAY AT SR 92
CROSS SECTIONS
VETERANS PKWY

DRAWING NO.
23-02



CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1866.019	FAYETTE	1866.019	##	##



200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
 ALPHARETTA, GA 30201
 PHONE: (770) 971-5407 OR FAX: (770) 971-0620

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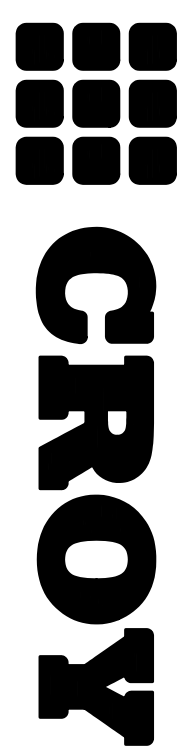
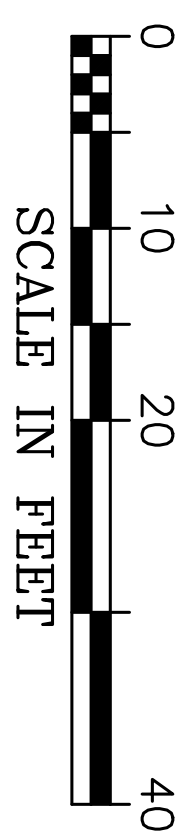
REVISION DATES

FAYETTE COUNTY
 VETERANS PARKWAY AT SR 92

CROSS SECTIONS
 WESTBRIDGE RD

DRAWING NO.
 23-03

CROY REFERENCE NUMBER	1866.019
COUNTY	FAYETTE
PROJECT NUMBER	1866.019
SHEET NO.	##
TOTAL SHEETS	##



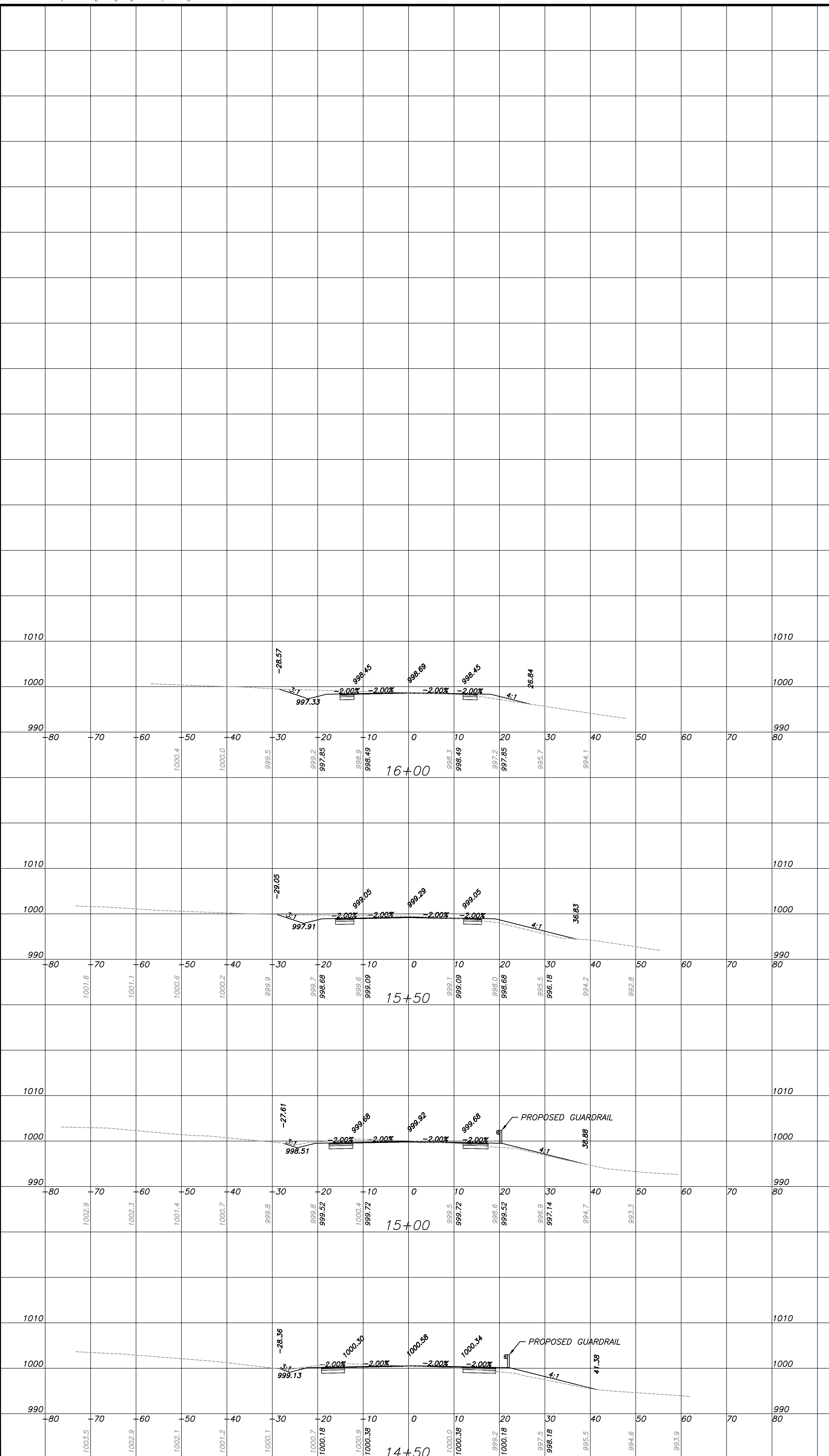
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REVISION DATES

FAYETTE COUNTY
 VETERANS PARKWAY AT SR 92

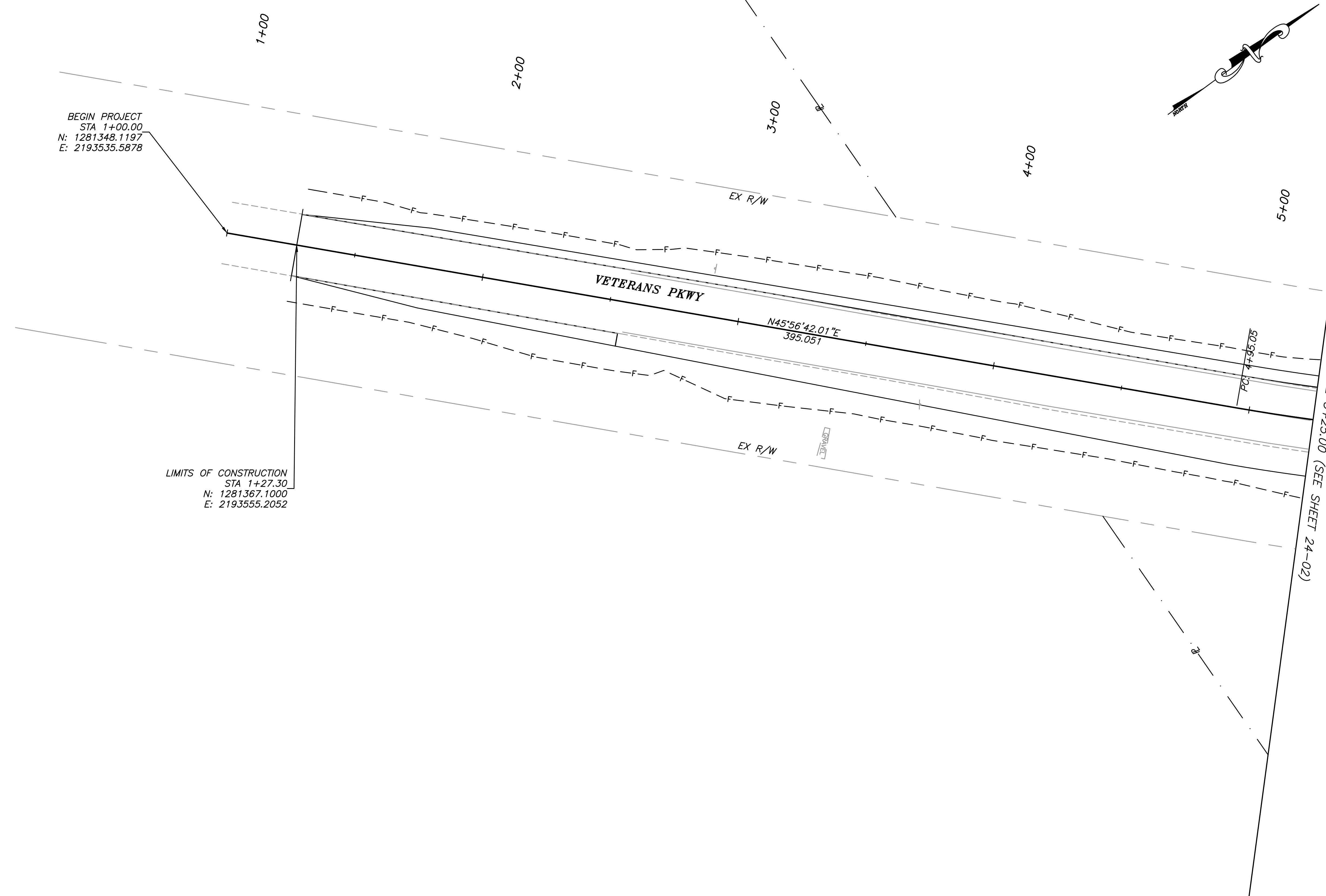
CROSS SECTIONS
 WESTBRIDGE RD

DRAWING NO.
 23-04



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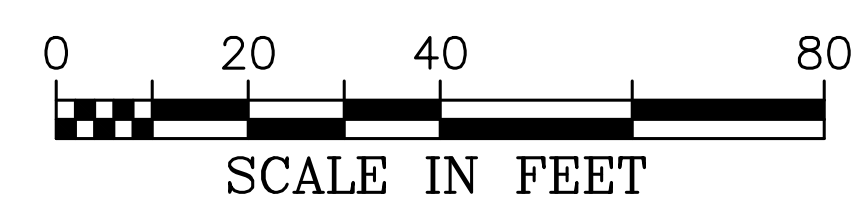
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1866.019	FAYETTE	1866.019	###	###



BEGIN PROJECT
 STA 1+00.00
 N: 1281348.1197
 E: 2193535.5878

LIMITS OF CONSTRUCTION
 STA 1+27.30
 N: 1281367.1000
 E: 2193555.2052

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CROY

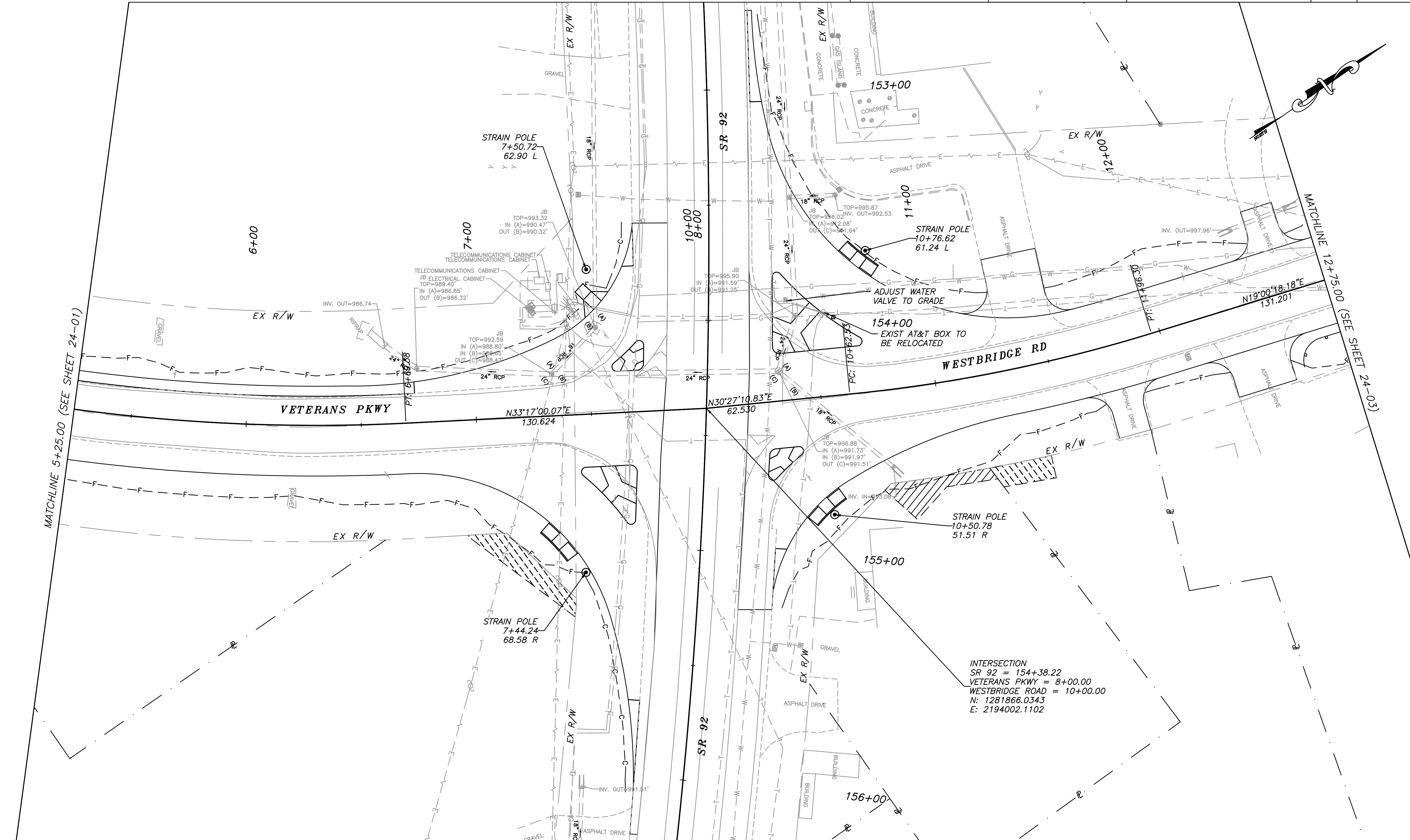
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REVISION DATES	

FAYETTE COUNTY	
VETERANS PARKWAY AT SR 92	
UTILITY PLANS	DRAWING NO. 24-01

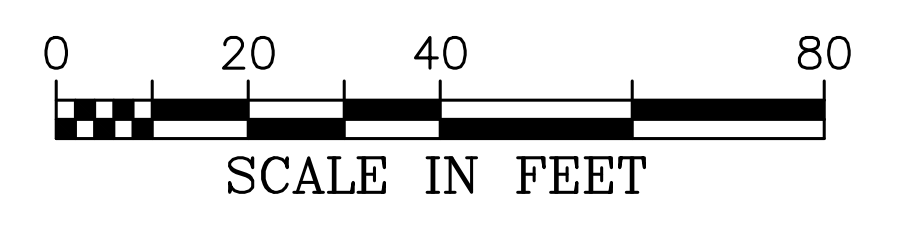
CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1866.019	FAYETTE	1866.019	###	###



MATCHLINE 5+25.00 (SEE SHEET 24-01)

MATCHLINE 12+75.00 (SEE SHEET 24-03)

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CROY

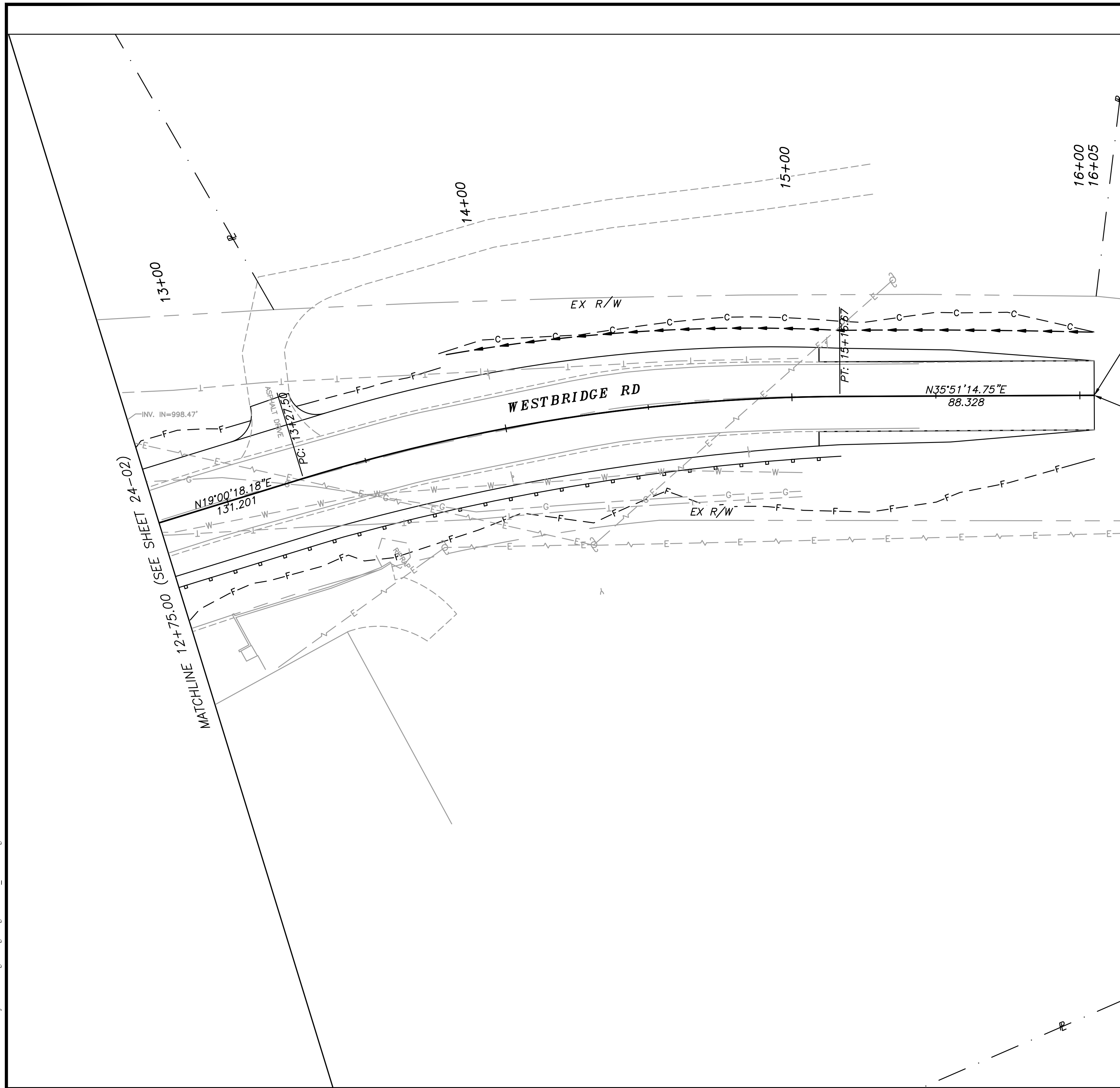
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REVISION DATES	

FAYETTE COUNTY	
VETERANS PARKWAY AT SR 92	
UTILITY PLANS	DRAWING NO. 24-02

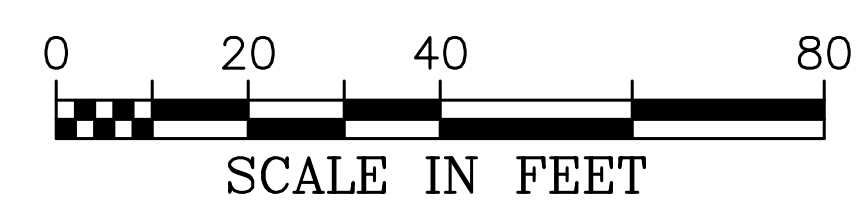
CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1866.019	FAYETTE	1866.019	###	###



LIMITS OF CONSTRUCTION
 STA 16+05.00
 N: 1282404.1760
 E: 2194270.9587

END PROJECT
 STA 16+05.00
 N: 1282404.1760
 E: 2194270.9587

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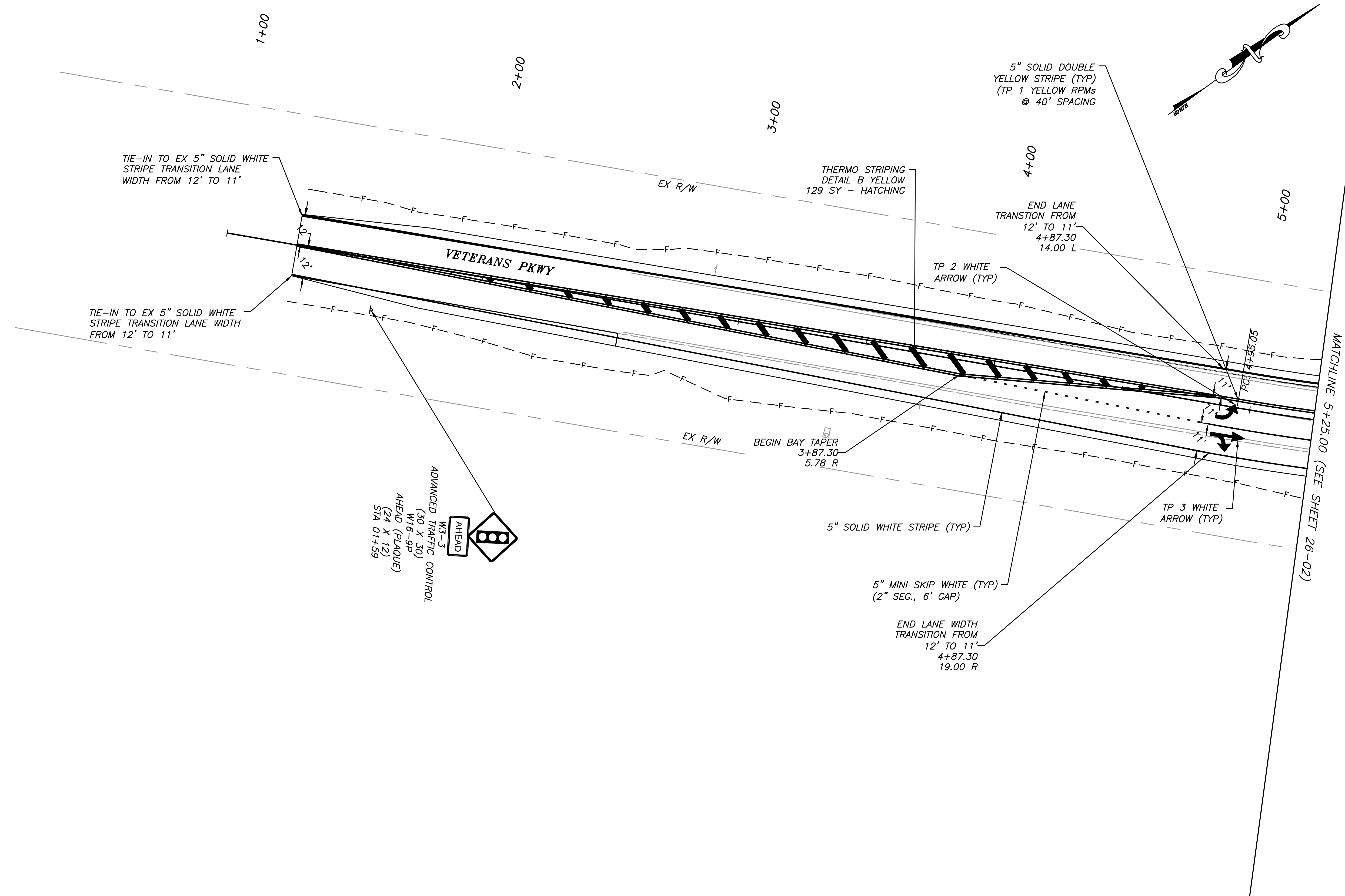


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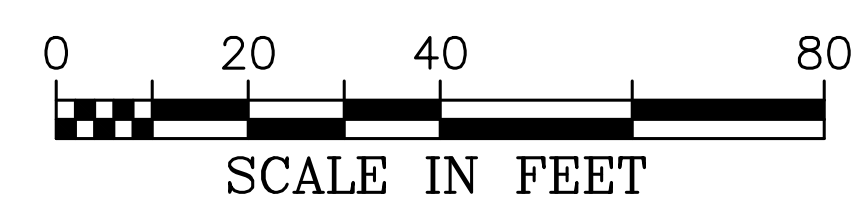
REVISION DATES		

FAYETTE COUNTY	
VETERANS PARKWAY AT SR 92	
UTILITY PLANS	DRAWING NO. 24-03

CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1866.019	FAYETTE	1866.019	###	###



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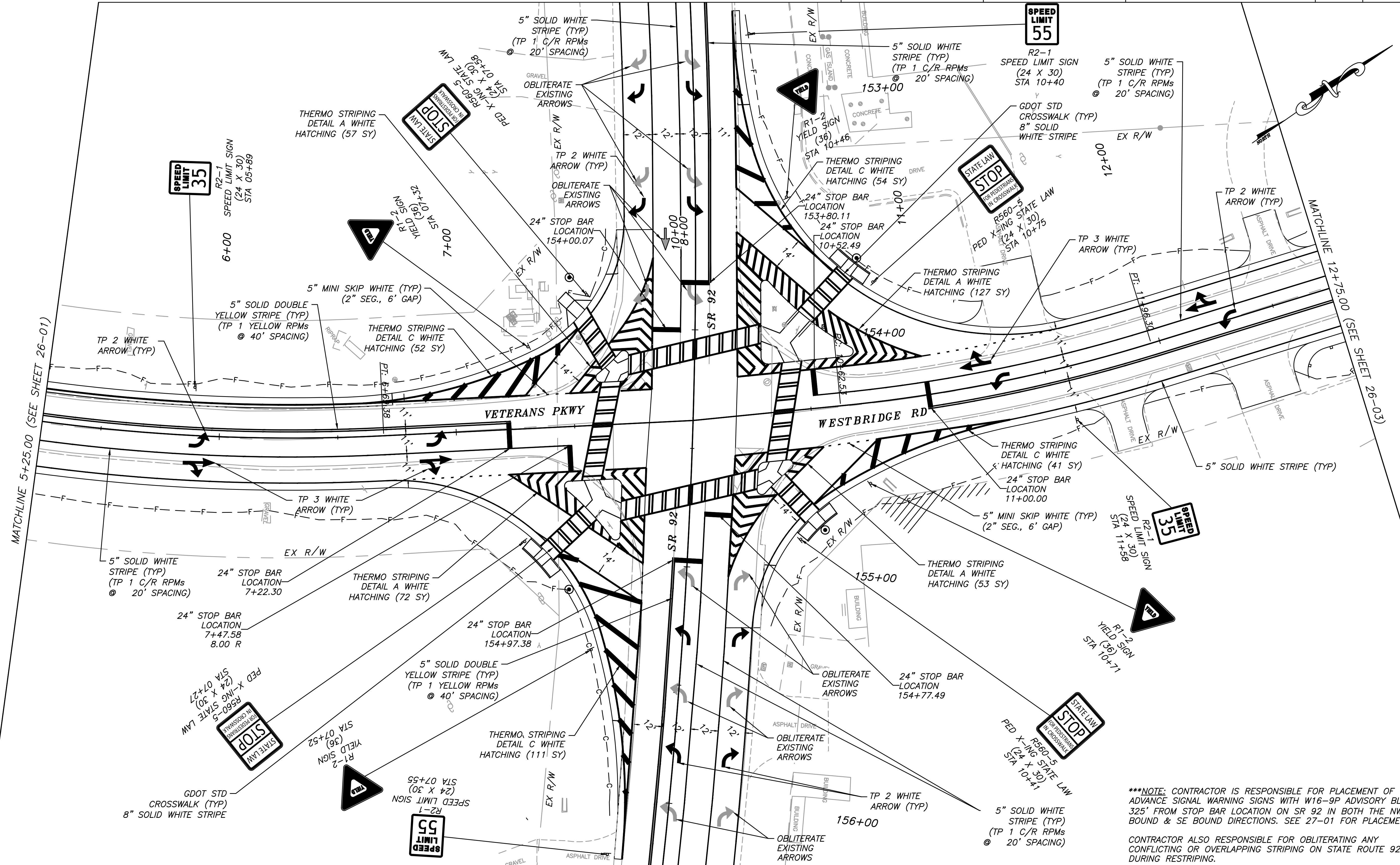
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REVISION DATES

FAYETTE COUNTY	
VETERANS PARKWAY AT SR 92	
SIGNING AND MARKING PLANS	DRAWING NO. 26-01

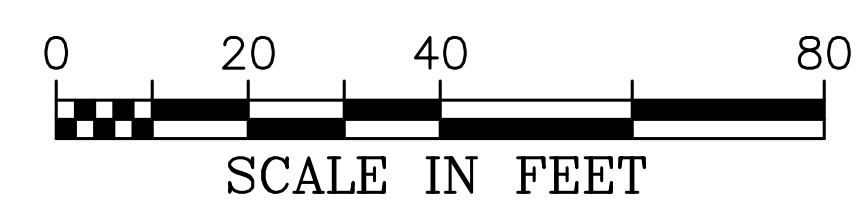


***NOTE: CONTRACTOR IS RESPONSIBLE FOR PLACEMENT OF W3-3 ADVANCE SIGNAL WARNING SIGNS WITH W16-9P ADVISORY BLADES 325' FROM STOP BAR LOCATION ON SR 92 IN BOTH THE NW BOUND & SE BOUND DIRECTIONS. SEE 27-01 FOR PLACEMENT

CONTRACTOR ALSO RESPONSIBLE FOR OBLITERATING ANY CONFLICTING OR OVERLAPPING STRIPING ON STATE ROUTE 92 DURING RESTRIPING.

MATCHLINE 5+25.00 (SEE SHEET 26-01)

MATCHLINE 12+75.00 (SEE SHEET 26-03)



CROY

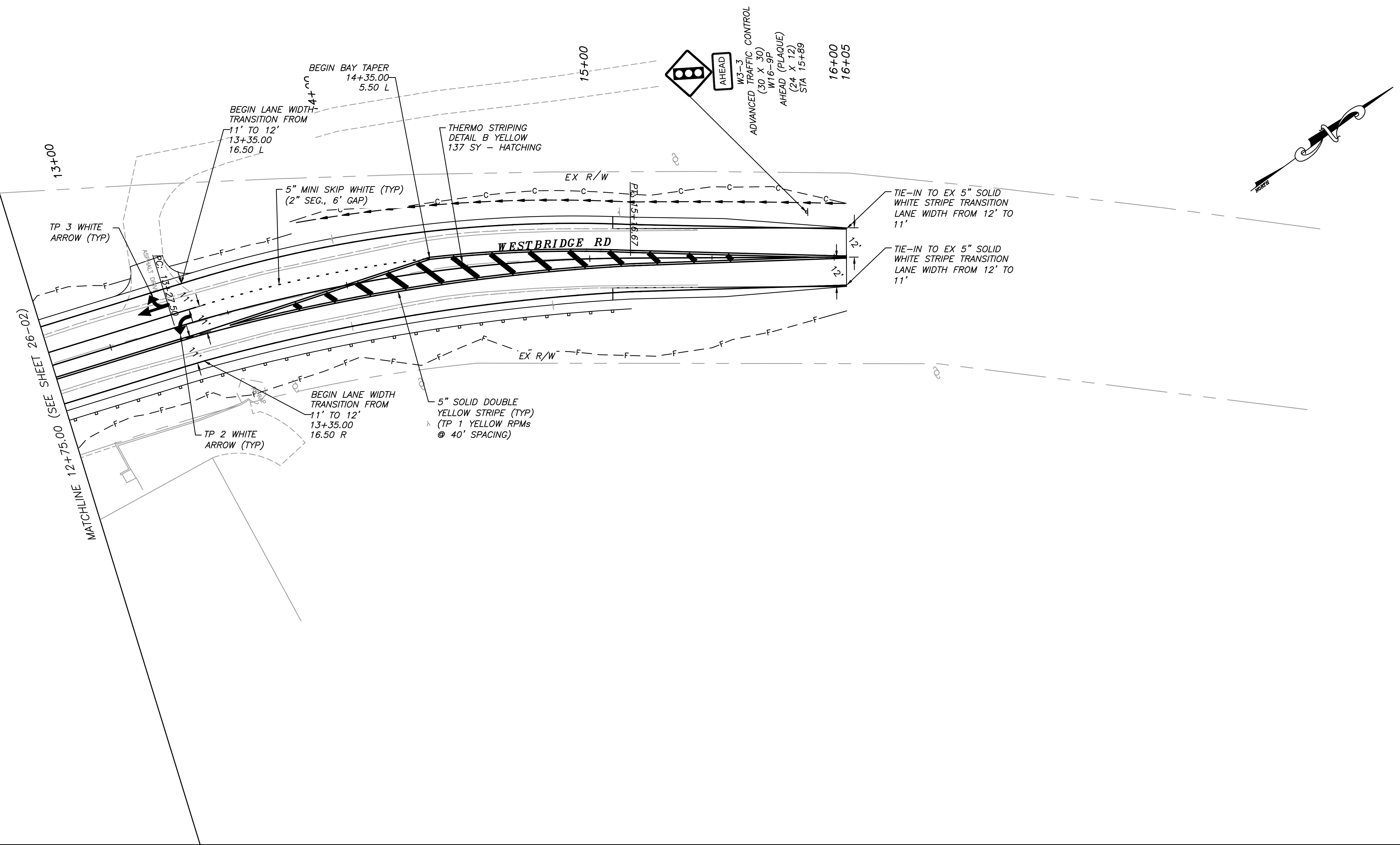
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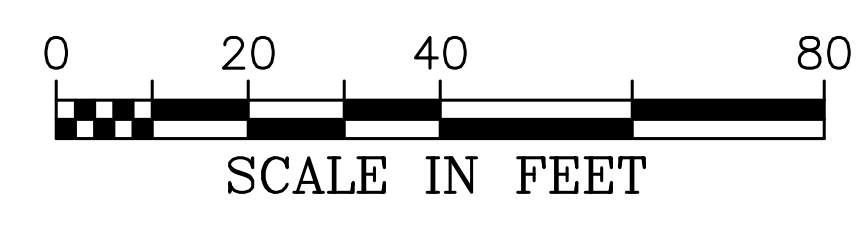
REVISION	DATE	DESCRIPTION

FAYETTE COUNTY	
VETERANS PARKWAY AT SR 92	
SIGNING AND MARKING PLANS	DRAWING NO. 26-02

CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1866.019	FAYETTE	1866.019	###	###



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CROY

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REVISION DATES		

FAYETTE COUNTY	
VETERANS PARKWAY AT SR 92	
SIGNING AND MARKING PLANS	DRAWING NO. 26-03

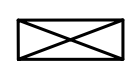


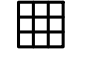

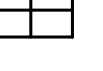

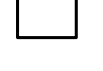

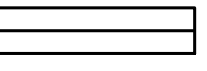

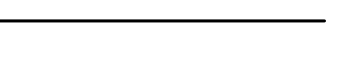




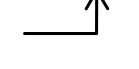

CROY REFERENCE NUMBER 1866.019	COUNTY FAYETTE	PROJECT NUMBER 1866.019	SHEET NO. ###	TOTAL SHEETS ###
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TRAFFIC SIGNAL GENERAL NOTES:

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 VICINITY 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 DISCRETION OF 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 AND RISER.
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.

PROPOSED SIGNAL

- | | | | |
|---|----------------------------------|---|-------------------------------|
|  | CONTROLLER CABINET |  | PULLBOX, TP 2 |
|  | STRAIN POLE |  | PULLBOX, TP 3 |
|  | TIMBER POLE |  | PULLBOX, TP 4 |
|  | DOWN GUY |  | 6x6 PULSE LOOP |
|  | LUMINAIRE |  | 6X40 PRESENSE DETECTION LOOP |
|  | 3 SECTION HEAD W/ BACKPLATE |  | CONDUIT |
|  | 3 OR 4 SECTION FYA W/ BACKPLATE |  | AERIAL SPAN |
|  | PEDESTAL POLE |  | SIGN POST |
|  | PED SIGNAL HEAD |  | UNDERGROUND FIBER OPTIC CABLE |
| | CURB CUT RAMP - (See ADA Detail) | | |

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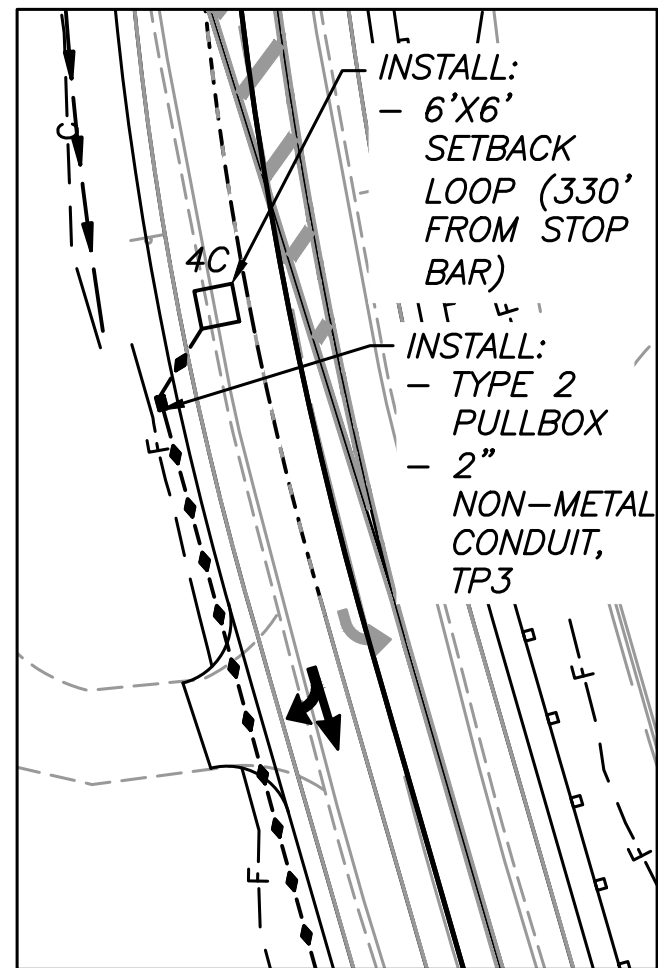
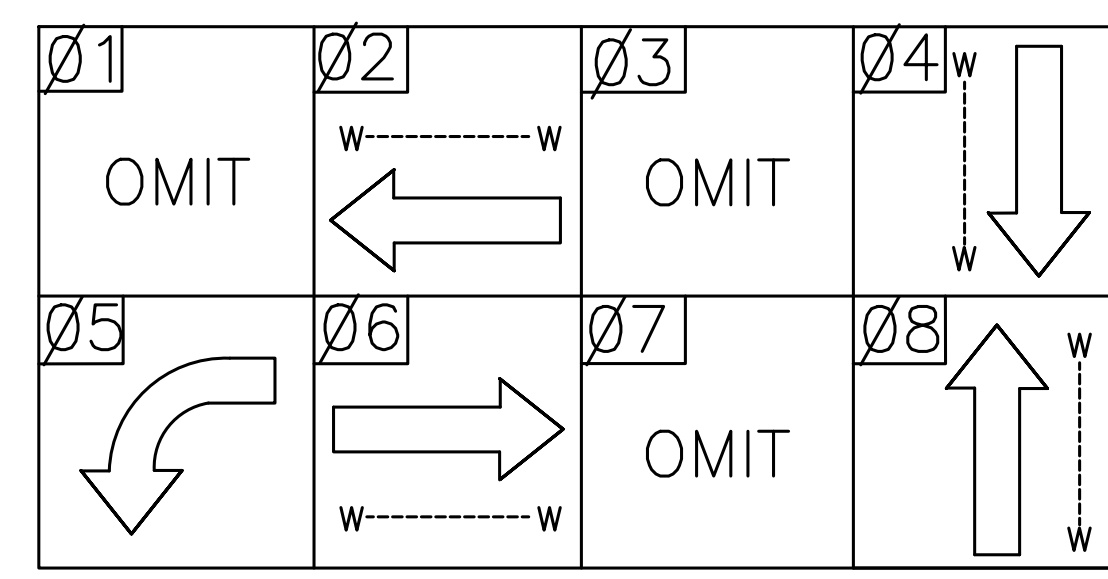


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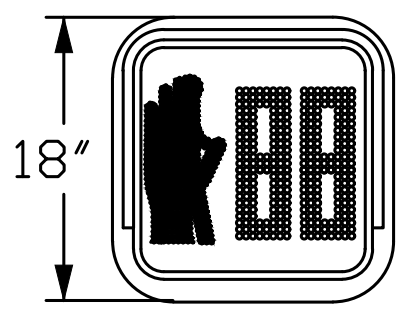
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REVISION DATES		FAYETTE COUNTY	
		VETERANS PARKWAY AT SR 92	
		TRAFFIC SIGNAL GENERAL NOTES	DRAWING NO.
			27-00

PHASING DIAGRAM

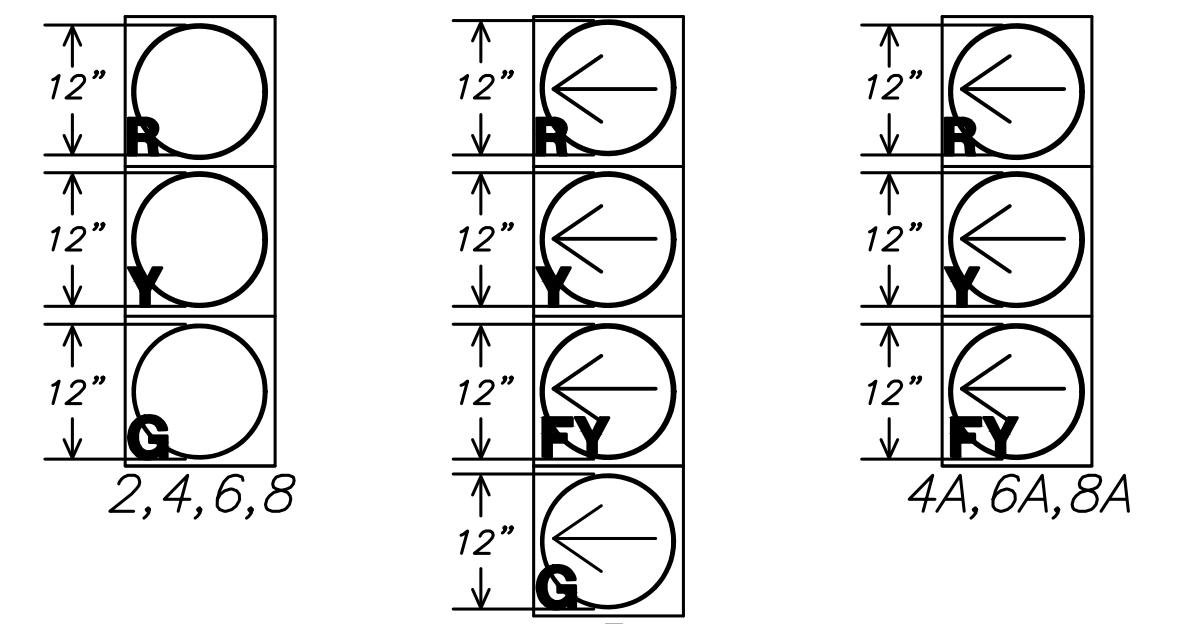


PEDESTRIAN SIGNAL HEAD



P2, P4, P6, P8

LED TRAFFIC SIGNAL HEADS WITH RETRO-REFLECTIVE BACKPLATES



- INSTALL:
- PEDESTAL POLE, 10', W/BASE
 - 4" SLIP FITTER, TWO-WAY MOUNTING HARDWARE
 - (2) 2", (1) 1" NON-METAL CONDUIT
 - (2) 18" LED COUNTDOWN PEDESTRIAN SIGNAL, P2 & P4
 - (2) PUSH BUTTON STATION AND SIGN, R10E (L & R)
 - (1) TOP OF POLE MOUNTING HARDWARE, TWO-WAY
 - TYPE 2 PULLBOX

- INSTALL:
- 3/8" STEEL STRAIN WIRE
 - (4) BULL RINGS
 - MODIFIED BOX SPAN
 - HELPER SPANS

- INSTALL:
- 5" DIRECTIONAL BORE
 - (2) 2" NON-METAL CONDUIT, TP3

- INSTALL:
- TYPE 2 PULLBOX
 - 2" NON-METAL CONDUIT, TP3

- INSTALL:
- 6' X 40' QUADRUPOLE LOOP, (TYP)
 - PEDESTAL POLE, 10', W/BASE
 - 4" SLIP FITTER, TWO-WAY MOUNTING HARDWARE
 - (2) 2", (1) 1" NON-METAL CONDUIT
 - (2) 18" LED COUNTDOWN PEDESTRIAN SIGNAL, P2 & P8
 - (2) PUSH BUTTON STATION AND SIGN, R10E (L & R)
 - (1) TOP OF POLE MOUNTING HARDWARE, TWO-WAY
 - TYPE 2 PULLBOX

- INSTALL:
- 5" DIRECTIONAL BORE
 - (2) 2" NON-METAL CONDUIT, TP3
- INSTALL:
- CONCRETE STRAIN POLE, TYPE IV
 - (3) 2", (2) 1" NON-METAL CONDUIT
 - TYPE 3 PULLBOX

- INSTALL:
- (2) TYPE 2 PULLBOX
 - 3" DIRECTIONAL BORE
 - 2" NON-METAL CONDUIT, TP3

- INSTALL:
- 6' X 40' QUADRUPOLE LOOP, (TYP)

- INSTALL:
- 6'X6' SETBACK LOOP (410' FROM STOP BAR)

- INSTALL:
- 6'X6' SETBACK LOOP (410' FROM STOP BAR)
- W3-3 (30) SIGN W16-9P (12 X 24) 150+75.07 32.73 R

- INSTALL:
- (2) TYPE 2 PULLBOX
 - 3" DIRECTIONAL BORE
 - 2" NON-METAL CONDUIT, TP3

- R560-5 SIGN 7+59.52 58.12 L

- INSTALL:
- TYPE 2 PULLBOX
 - 3" DIRECTIONAL BORE
 - 2" NON-METAL CONDUIT, TP3

- INSTALL:
- 5" DIRECTIONAL BORE
 - (2) 2" NON-METAL CONDUIT, TP3

- INSTALL:
- CONCRETE STRAIN POLE, TYPE IV
 - (3) 2", (2) 1" NON-METAL CONDUIT
 - TYPE 3 PULLBOX

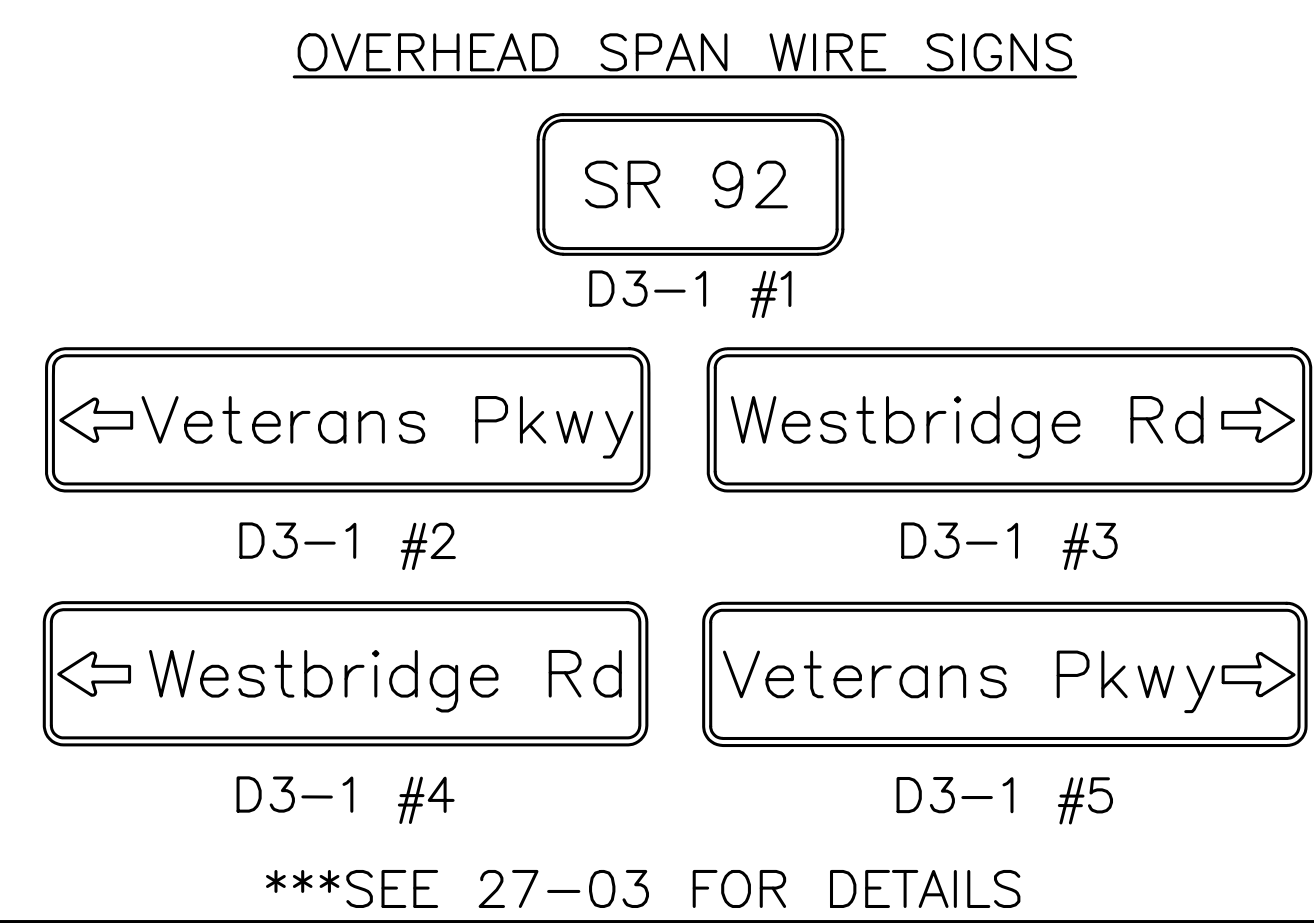
- INSTALL:
- PEDESTAL POLE, 10', W/BASE
 - 4" SLIP FITTER, TWO-WAY MOUNTING HARDWARE
 - (2) 2", (1) 1" NON-METAL CONDUIT
 - (2) 18" LED COUNTDOWN PEDESTRIAN SIGNAL, P6 & P8
 - (2) PUSH BUTTON STATION AND SIGN, R10E (L & R)
 - (1) TOP OF POLE MOUNTING HARDWARE, TWO-WAY
 - TYPE 2 PULLBOX

- INSTALL:
- TYPE 2 PULLBOX
 - 2" NON-METAL CONDUIT, TP3

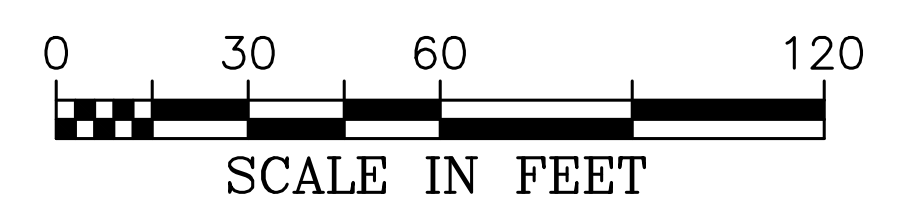
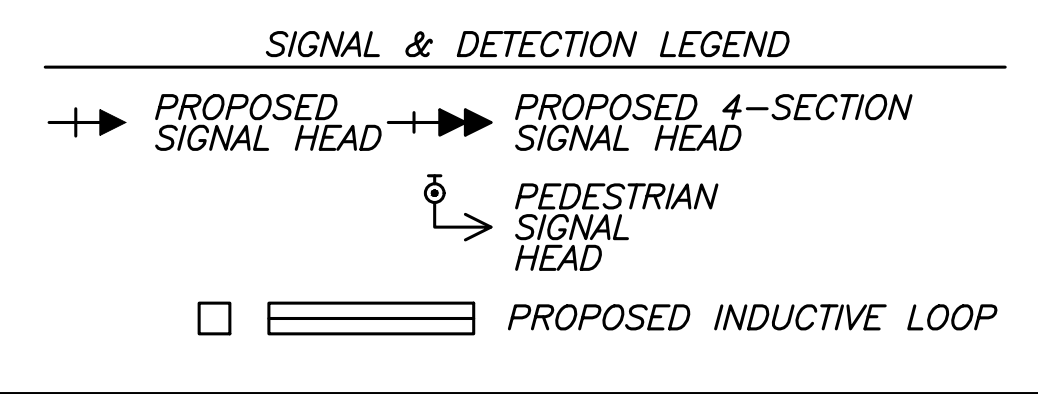
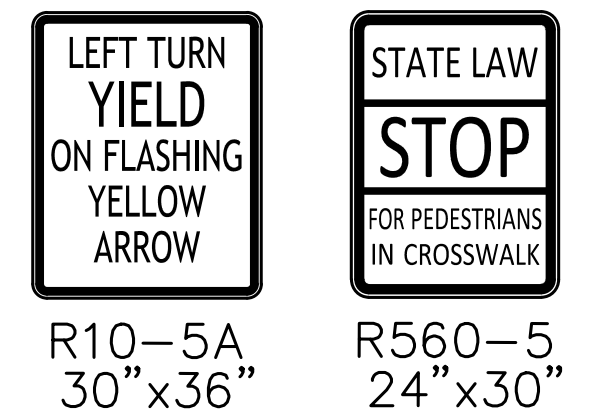
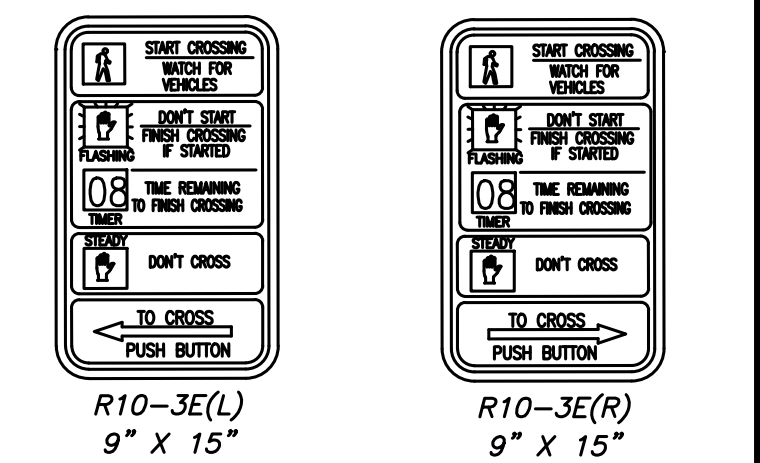
- INSTALL:
- 6' X 40' QUADRUPOLE LOOP, (TYP)

- INSTALL:
- 5" DIRECTIONAL BORE
 - (2) 2" NON-METAL CONDUIT, TP3

NOTE:
THE SPAN WIRE SHOULD BE MOUNTED HIGH ENOUGH ON THE CONCRETE STRAIN POLE SO THAT IF DETERMINATION IS MADE AT A LATER DATE TO REPLACE THE 3-SECTION FYA WITH A 4-SECTION FYA THAT THE CLEARANCE FROM THE BOTTOM OF THE NEW 4-SECTION FYA TO THE ROAD SURFACE STILL MEETS THE MINIMUM HEIGHT REQUIREMENT OF 17 FT.



COUNTDOWN PEDESTRIAN SIGNS



CROY

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
	VETERANS PARKWAY AT SR 92
	SIGNAL PLAN
	DRAWING NO. 27-01

P:\Marietta\1866 Fayette County\1866.019 Veterans Pkwy at SR 92\Engineering\Design\1866.019_Signal.dwg 10/14/2019 4:21 PM USER: Ravi Vachhani

** FOR INFORMATION ONLY **

CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1866.019	FAYETTE	1866.019	###	###

332 CABINET INPUT ASSIGNMENT

SLOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14
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UPPER INPUT FILE

	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
CHANNEL 1	CARD		2-CH					2-CH						DC ISO	DC ISO
	C1 PIN	56	39	63	47	58	41	65	49	60		80	67	68	81
	FUNCTION		2A				4A						0 2 PED	0 6 PED	FLASH
	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

	C1 PIN	56	43	76	47	58	45	78	49	62		53	69	70	82
CHANNEL 2	FUNCTION						4B						0 4 PED	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

LOWER INPUT FILE

	TYPE	DET	DET	DET	DET	DET	DET	DET	DET	DET	TBA	TBA	DC	DC	DC
CHANNEL 1	CARD	2-CH	2-CH					2-CH							
	C1 PIN	55	40	64	48	57	42	66	50	59		54	71	72	51
	FUNCTION	R5	L6A				R8								
	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

	C1 PIN	55	44	77	48	57	46	79	50	61		75	73	74	52
CHANNEL 2	FUNCTION		6B				8B								
	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

PAY ITEM

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
639-2002	STEEL WIRE STRAND CABLE, 3/8 IN***	LIN FT	500
639-5000	PRESTRESSED CONC STRAIN POLE, TP IV, 50'***	EACH	4
647-1000	TRAFFIC SIGNAL INSTALLATION NO.1	LUMP	1
647-2141	PULLBOX, PB-4S	EACH	1
647-6200	LOOP DETECTOR, 6 FT X 6 FT, BIPOLE***	EACH	4
647-6300	LOOP DETECTOR, 6 FT X 50 FT, QUADRUPOLE***	EACH	6
682-6233	CONDUIT, NON-METAL, TP3, 2 IN	LIN FT	1250
682-9950	DIRECTIONAL BORE, DESC: 3 IN	LIN FT	800
682-9950	DIRECTIONAL BORE, DESC: 5 IN	LIN FT	160

***NOTE:

MATERIALS LISTED FOR SIGNAL INSTALLATION ARE FOR INFORMATIONAL PURPOSES ONLY. ALL ITEMS WITH ASTERISKS NEXT TO THE DESCRIPTION AND STRIKED OUT QUANTITIES ARE TO BE PROVIDED BY THE COUNTY AND SHOULD NOT BE INCLUDED IN THE BID FOR SIGNAL INSTALLATION. THE CONTRACTOR SHALL DETERMINE THE MATERIALS AND QUANTITIES REQUIRED FOR THE COMPLETE AND ACCEPTED INSTALLATION.

MATERIALS	UNIT	QUANTITY
LIST OF MATERIALS TRAFFIC SIGNAL INSTALLATION NO.1		
NON-NEMA CABINET, CONTROLLER ASSEMBLIES		
A. CABINET ASSEMBLY, MODEL 332A W AUXILLIARY OUTPUT FILE	EACH	1
B. SWITCH PACK	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	5
G. 332 CABINET BASE***	EACH	1
H. 332 CABINET WORKPADS***	EACH	2
LOOP / PED DETECTOR LEAD-IN WIRE		
A. 3 PAIR, 18 AWG***	LIN FT	3500
SIGNAL CABLE		
B. 7-CONDUCTOR, (14 AWG)***	LIN FT	2700
ONE-WAY, 3-SECTION, 12" , LED, TRAFFIC SIGNAL HEAD. PLASTIC***	EACH	11
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	11
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 PVERLAP, 9" HIGH NUMBERS & 12" SYMBOLS***	EACH	8
PEDESTRIAN PUSH BUTTON STATION ASSEMBLY		
A. 9"X15", W/ DOUBLE PUSH BUTTON STATION ADAPTER FOR 4" DIA PEDESTRIAN POLE, ADJUSTABLE W/ ADAPTERS TO EXTEND FOR 9"X15" SIGNS***	EACH	4
PEDESTRIAN SIGN		
A. 9"X15", RIO-3E, (L)EFT OR (R)IGHT, STANDARD***	EACH	8
PEDESTAL POLE, 10 FT, BASE AND FOOTING***	EACH	4
HARDWARE FOR SPAN WIRE MOUNTING (3 OR 4 SECTION SIGNAL HEADS AND SIGNS)***	EACH	22
HARDWARE FOR POST TOP ERECTION FOR 18" PEDESTRIAN SIGNAL HEADS, TWO-WAY MOUNTING***	EACH	4
PULLBOX, TYPE 2, POLYMER CONCRETE***	EACH	12
PULLBOX, TYPE 3, POLYMER CONCRETE***	EACH	3
CONDUIT NON-METAL, 1"***	LIN FT	150
CONDUIT NON-METAL, 2"***	LIN FT	200
CONDUIT NON-METAL, 3"	LIN FT	60
OVERHEAD SPAN WIRE SIGNS		
A. D3-1 #1 (SR92)	EACH	2
B. D3-1 #2 ((ARROW) VETERANS PKWY)	EACH	1
C. D3-1 #3 (WESTBRIDGE RD (ARROW))	EACH	1
D. D3-1 #4 ((ARROW) WESTBRIDGE RD)	EACH	1
E. D3-1 #5 (VETERANS PKWY (ARROW))	EACH	1
F. RIO-5A (LEFT TURN YIELD ON FLASHING YELLOW ARROW SIGN)***	EACH	4
MISC. MAT'L TO COMPLETE INSTALLATION NO.1	LUMP	1

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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

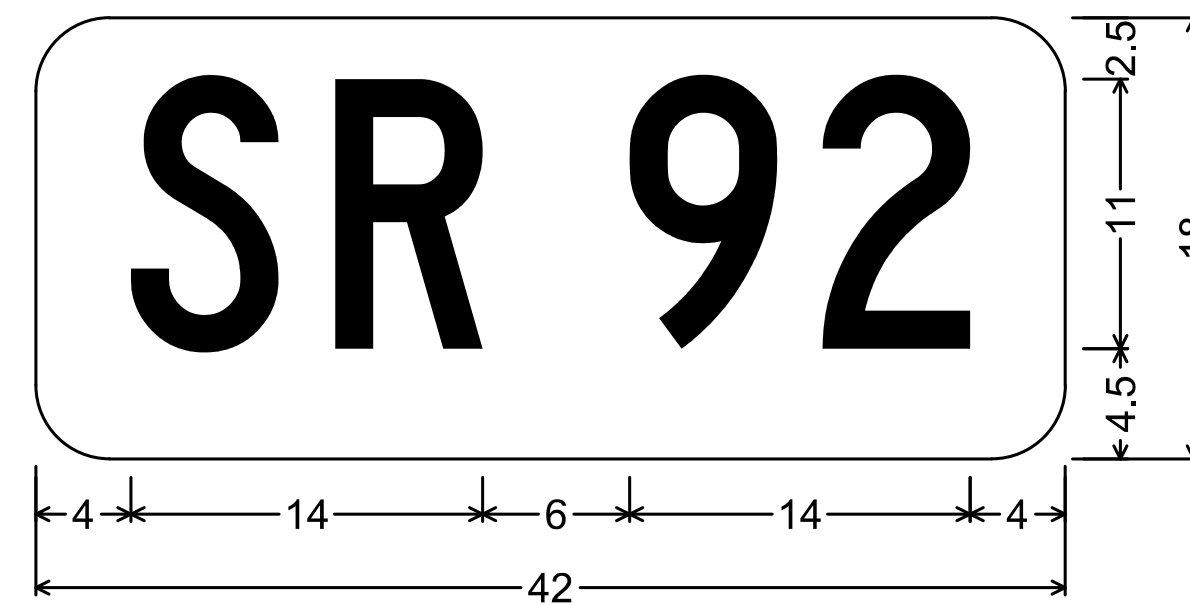
VETERANS PARKWAY AT SR 92

SIGNAL OPERATIONS -
VETERANS & WESTBRIDGE @
SR 92

DRAWING NO.

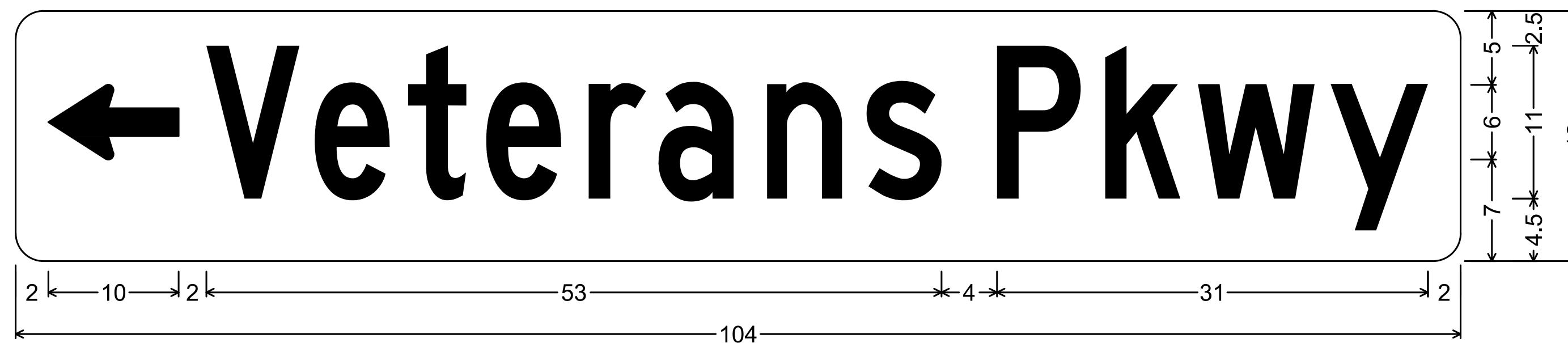
27-02

CROY REFERENCE NUMBER 1866.019	COUNTY FAYETTE	PROJECT NUMBER 1866.019	SHEET NO. ##	TOTAL SHEETS ##
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3" Radius, No border, White on Green;
[SR] C; [92] C;

D3-1 (2 REQ'D)



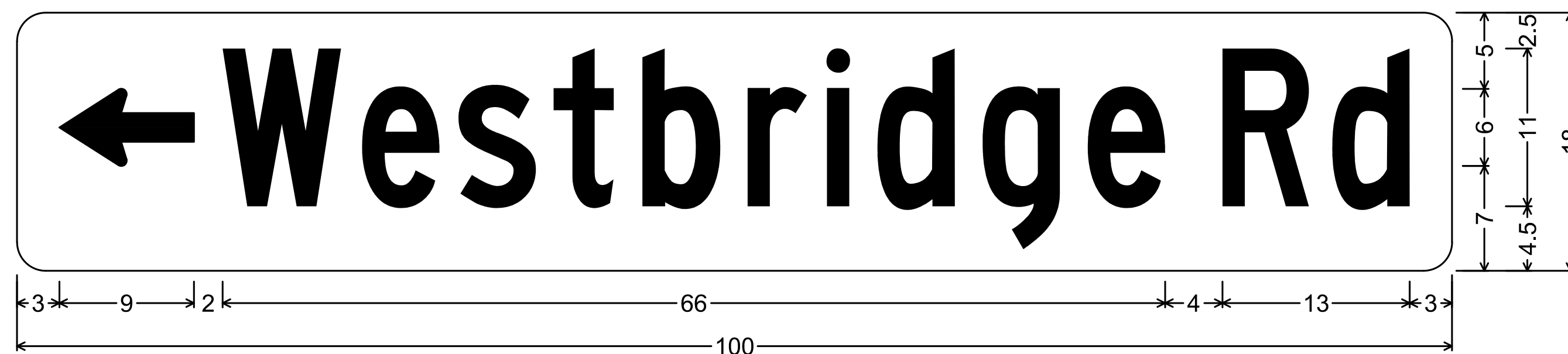
2" Radius, No border, White on Green;
Standard Arrow Custom 9" X 5" 180°; [Veterans] C 70% spacing; [Pkwy] C 70% spacing;

D3-2 (1 REQ'D)



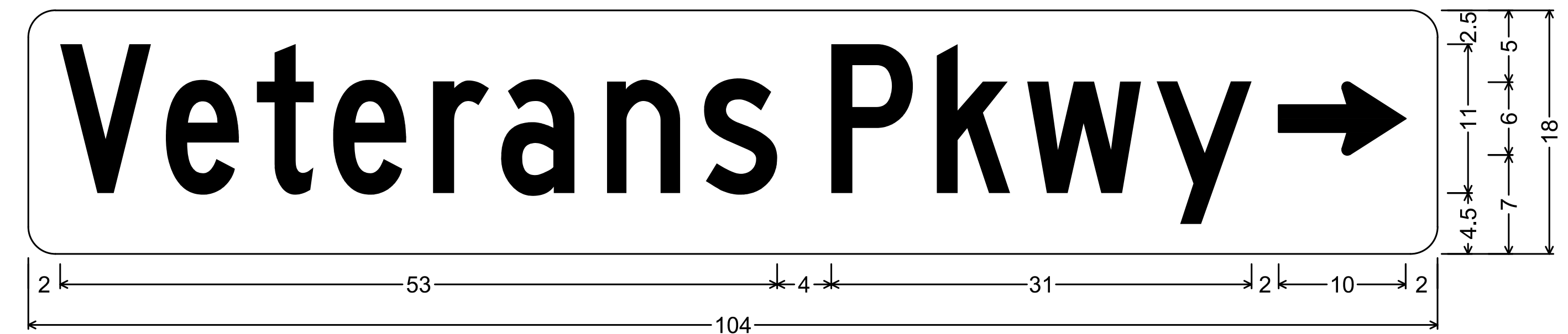
2" Radius, No border, White on Green;
[Westbridge] C 70% spacing; [Rd] C 70% spacing; Standard Arrow Custom 9" X 5" 0°;

D3-3 (1 REQ'D)



2" Radius, No border, White on Green;
Standard Arrow Custom 9" X 5" 180°; [Westbridge] C 70% spacing; [Rd] C 70% spacing;

D3-4 (1 REQ'D)



2" Radius, No border, White on Green;
[Veterans] C 70% spacing; [Pkwy] C 70% spacing; Standard Arrow Custom 9" X 5" 0°;

D3-5 (1 REQ'D)

P:\Marietta\1866 Fayette County\1866.019 Veterans Pkwy at SR 92\Engineering\Design\1866.019_Signal.dwg 10/14/2019 4:21 PM USER: Ravi Vachhani



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REVISION DATES

FAYETTE COUNTY

VETERANS PARKWAY AT SR 92

OVERHEAD SIGN DETAILS

DRAWING NO.

27-03

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

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

NOTE:

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



NO SCALE

REVISION DATES		EROSION CONTROL LEGEND	
3/2/2017		UNIFORM CODE SHEET	
		SHEET 1 OF 7	
CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
		DRAWING No.	
		52-0001	

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

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Cd-S	STONE CHECK DAM OR SANDBAG CHECK DAM CONSTRUCTION DETAIL D-56 SECTION 163, 603		STONE CHECK DAMS ARE CONSTRUCTED OF TYPE-3 RIP-RAP WITH GEOTEXTILE UNDERLINER. STONE CHECK DAMS ARE PREFERRED IN ROADWAY DITCHES OUTSIDE THE CLEAR ZONE. CONSIDERATION SHOULD BE GIVEN TO USING OTHER APPROPRIATE CHECK DAMS AND/OR BMPs WITHIN THE CLEAR ZONE. SANDBAG CHECK DAMS ARE RECOMMENDED IN CONCRETE LINED CHANNELS FOR TEMPORARY VELOCITY CONTROL ONLY. ENSURE DISCHARGE POINT IS PROPERLY STABILIZED AND INCLUDE APPROPRIATE BMPs FOR SEDIMENT STORAGE UPSTREAM AND/OR DOWNSTREAM OF CONCRETE LINED CHANNELS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
		SYMBOL 	
Ch-1	VEGETATED CHANNEL STABILIZATION SECTION 700		A NEW OR EXISTING CHANNEL MAY BE LINED WITH PERMANENT VEGETATION ONLY FOR VELOCITIES UP TO 5.0 fps. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT CHANNEL LINING DESIGN PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. TYPICALLY NOT SHOWN IN PLANS.
		LINE CODE 	
Ch-2R1	CHANNEL STABILIZATION RIP-RAP, TYPE 1 CONSTRUCTION DETAIL D-49 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
		LINE CODE 	
Ch-2R3	CHANNEL STABILIZATION RIP-RAP, TYPE 3 CONSTRUCTION DETAIL D-49 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
		LINE CODE 	

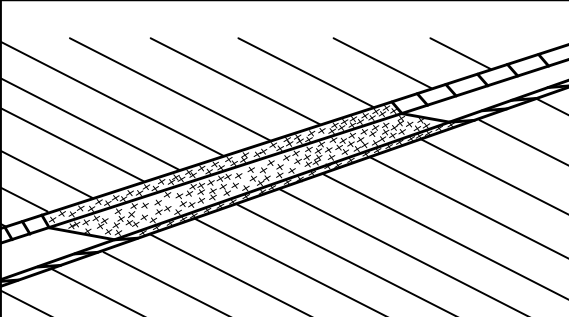
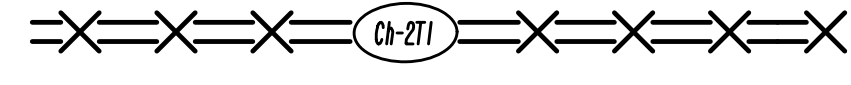
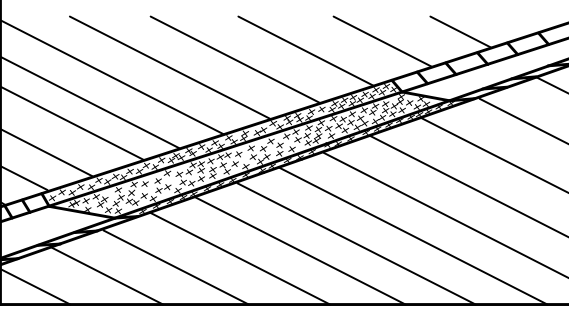
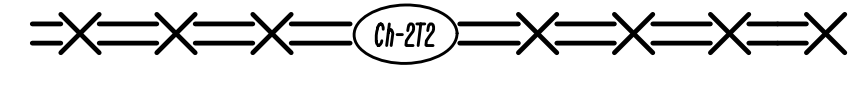
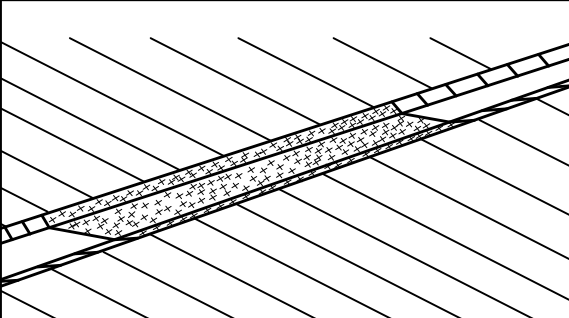
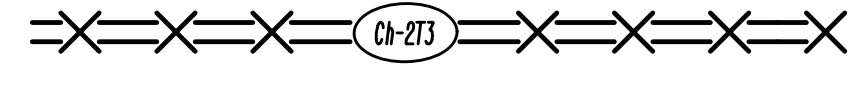
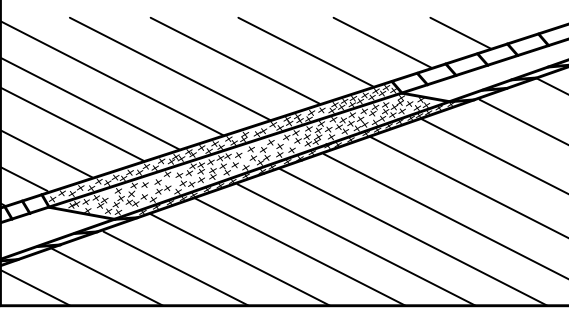
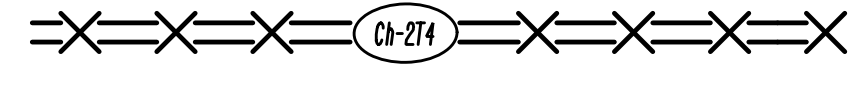
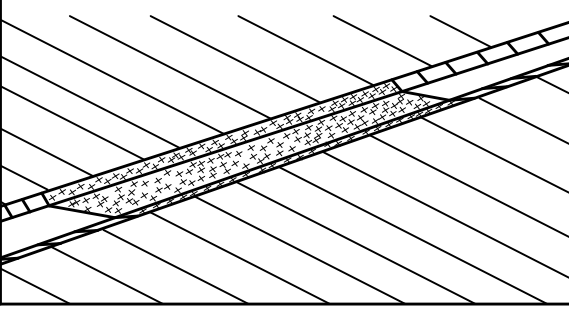
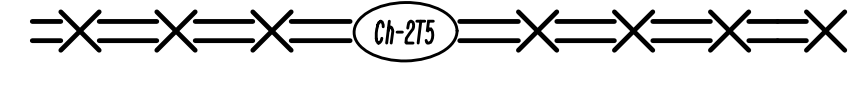
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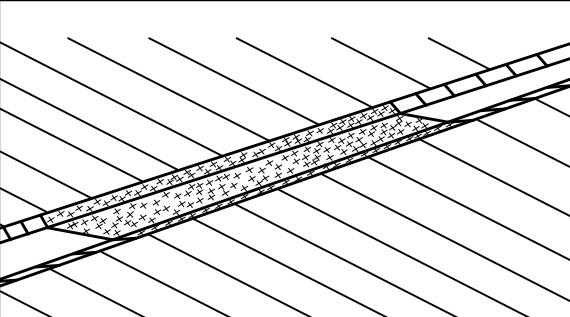
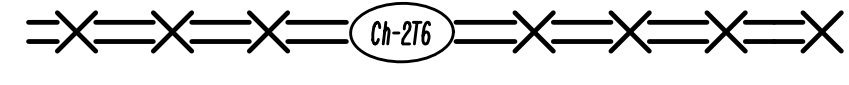
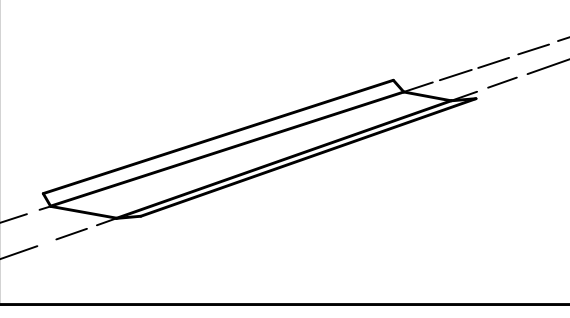
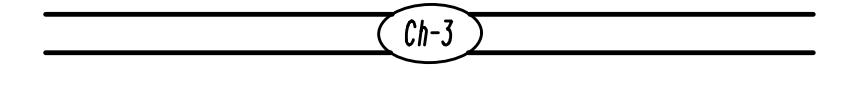
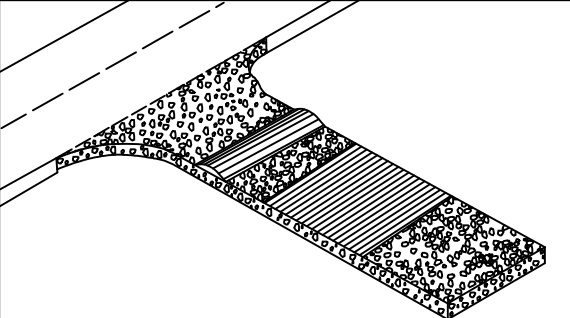
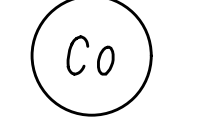
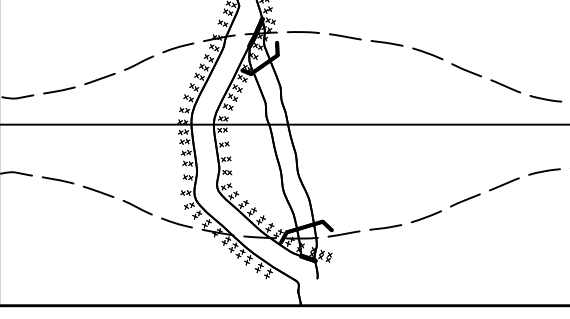

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
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NO SCALE

REVISION DATES		EROSION CONTROL LEGEND	
3/2/2017		UNIFORM CODE SHEET SHEET 2 OF 7	
11/28/2018			
CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
			DRAWING No.
			52-0002

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

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T6	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-12 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. *Dp* SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
	LINE CODE		
Ch-3	CONCRETE CHANNEL STABILIZATION CONSTRUCTION DETAIL D-10, D-49 SECTION 441		CHANNELS ARE LINED WITH CONCRETE FOR VELOCITIES >= 10 fps. THIS ITEM CONSISTS OF CONSTRUCTING A 4" THICK CONCRETE CHANNEL. THE CONCRETE SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. *Dp* SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. RIP-RAP SHOULD BE USED TO DISSIPATE ENERGY DOWNSTREAM OF CONCRETE LINED CHANNELS.
	LINE CODE		
Co	CONSTRUCTION EXIT CONSTRUCTION DETAIL D-41 SECTION 163, 800		A CONSTRUCTION EXIT IS A STONE STABILIZED PAD THAT REDUCES OR ELIMINATES THE TRANSPORT OF MUD FROM CONSTRUCTION AREAS ONTO PUBLIC ROADS BY EQUIPMENT OR RUNOFF. BEST USED AT ACCESS POINTS, I.e. NEW LOCATION PROJECTS, BORROW PITS, WASTE PITS, ACCESS ROADS, ETC. SHOULD BE MINIMUM 20' WIDE, 50' LONG, 6" THICK, AND REQUIRES A GEOTEXTILE UNDERLINER. ON SITES WHERE THE GRADE TOWARD A PAVED AREA IS GREATER THAN 2%, A FULL WIDTH DIVERSION RIDGE 6" TO 8" HIGH WITH 3:1 SLOPES SHALL BE CONSTRUCTED APPROXIMATELY 15' UPSTREAM OF PAVED AREA. A TIRE WASHING AREA TO REMOVE MUD MAY ALSO BE REQUIRED PRIOR TO ENTRANCE ONTO PUBLIC ROADWAYS. ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.
	SYMBOL		
Dc-A	STREAM DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE OR POLYETHYLENE FILM. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 0 - 2.5 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE		

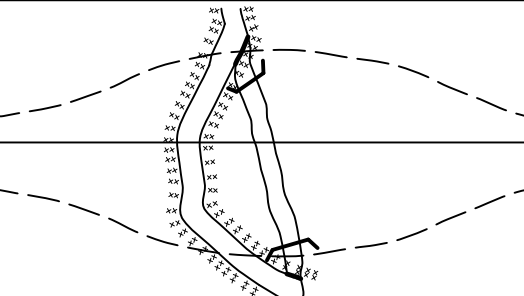
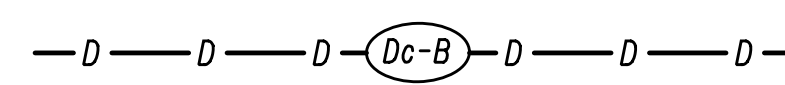
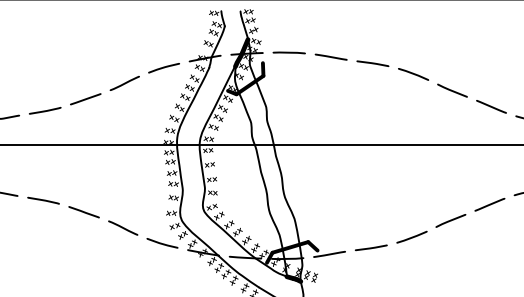
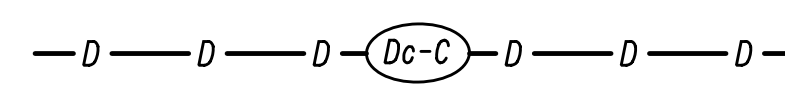
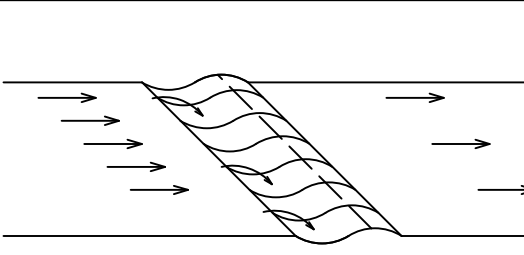
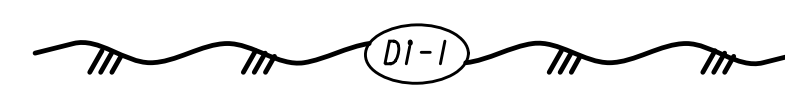
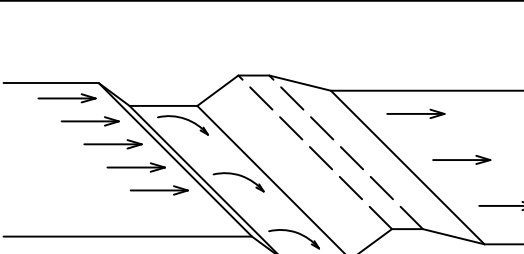
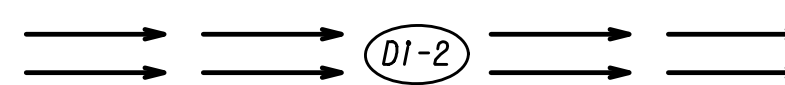
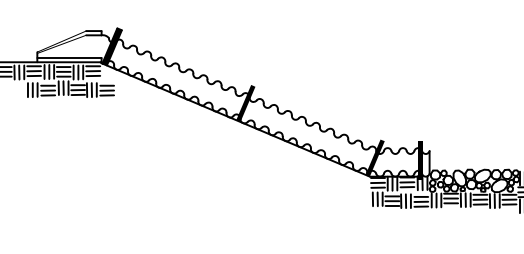
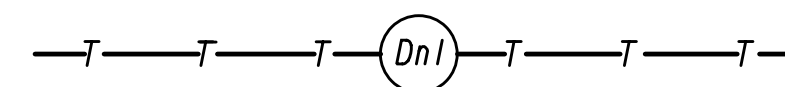
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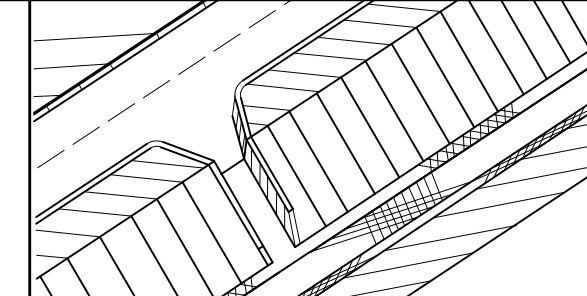
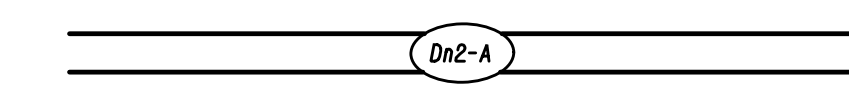
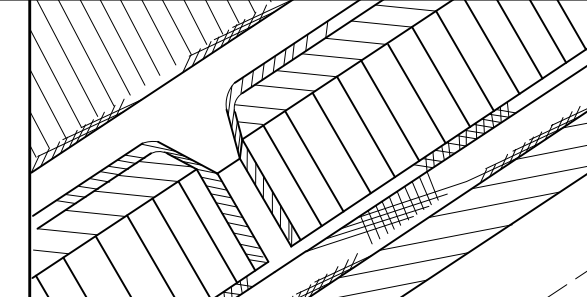
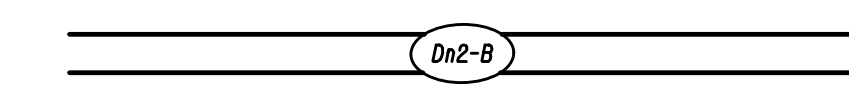
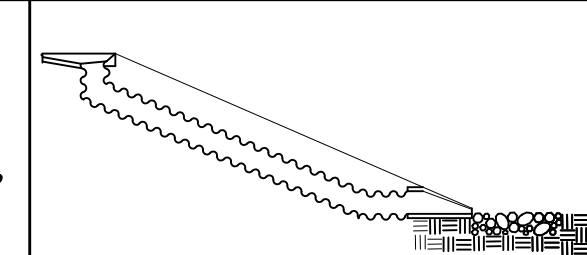

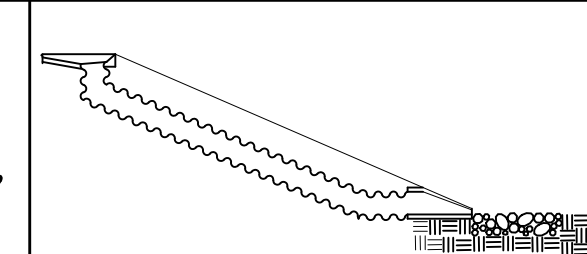

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NO SCALE

REVISION DATES		EROSION CONTROL LEGEND	
3/2/2017		UNIFORM CODE SHEET	
		SHEET 3 OF 7	
CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
		DRAWING No.	
		52-0003	

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE ONLY. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 2.5 - 9.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE 		
Dc-C	STREAM DIVERSION CHANNEL RIP-RAP & GEOTEXTILE SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH RIP-RAP AND GEOTEXTILE. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 9.0 - 13.0 fps. THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
	LINE CODE 		
DI-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205		A NON-DESIGNED TEMPORARY EARTHEN BERM WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO BE USED AT THE EDGE OF EMBANKMENT DURING THE GRADING OPERATION. THE BERMS ARE ALSO CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE. THEY ARE USED TO INTERCEPT RUNOFF, PREVENTING SLOPE EROSION AND TO DIRECT THE RUNOFF TO A STABLE OUTLET, DOWN DRAINS "Dn1" OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS.
	LINE CODE 		
DI-2	DIVERSION CHANNEL SECTION 205		A DESIGNED TEMPORARY OR PERMANENT CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO DIVERT OFFSITE RUNOFF AWAY FROM DISTURBED AREAS WITHIN THE PROJECT AREA. CHANNEL FOR OFFSITE RUNOFF SHALL BE STABILIZED WITH APPROPRIATE CHANNEL STABILIZATION. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. A DIVERSION CHANNEL DETAIL MUST ALSO BE PROVIDED IN THE ESPCP. RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION.
	LINE CODE 		
Dn1	TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163		A TEMPORARY PIPE SLOPE DRAIN IS A PLASTIC FLEXIBLE PIPE TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. TEMPORARY SLOPE DRAINS SHOULD BE PLACED AT INTERVALS OF 350 FEET ON 0% - 2% GRADES, 200 FEET ON STEEPER GRADES AND MORE FREQUENTLY AS DICTATED BY FIELD CONDITIONS. THE TYPICAL PIPE SIZE IS A CORRUGATED 10". THE PIPE WILL BE ANCHORED WITH STAKES AT INTERVALS NOT TO EXCEED 10". THE OUTLET AREA SHALL BE STABILIZED FOR VELOCITY DISSIPATION AND EROSION CONTROL.
	LINE CODE 		

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

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REVISION DATES

3/2/2017		

EROSION CONTROL LEGEND

UNIFORM CODE SHEET

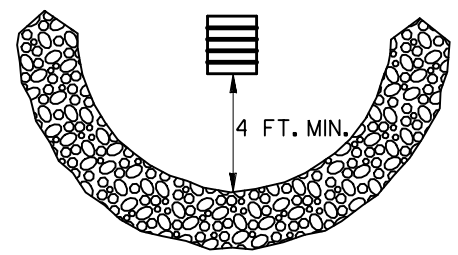
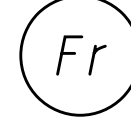
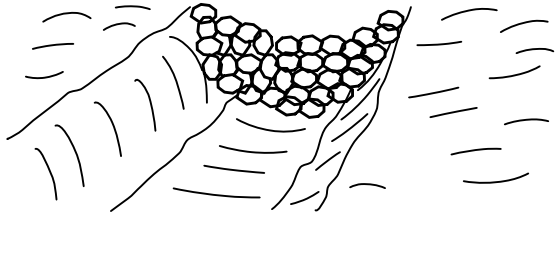
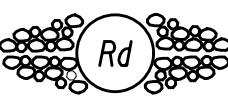
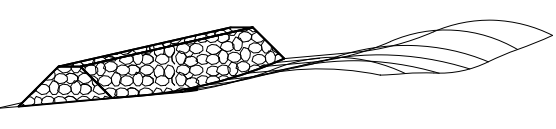
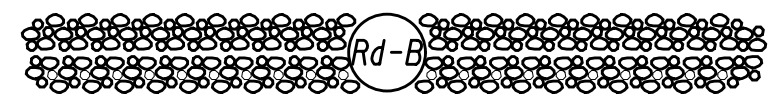
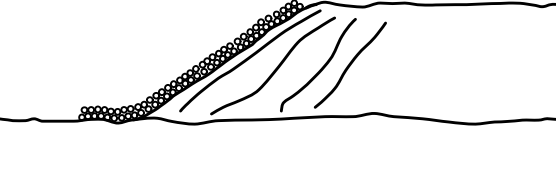
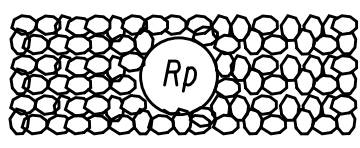
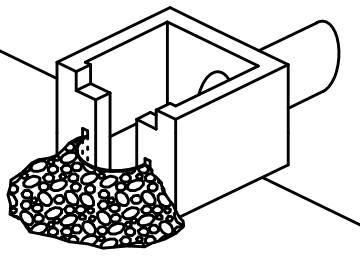
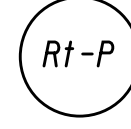
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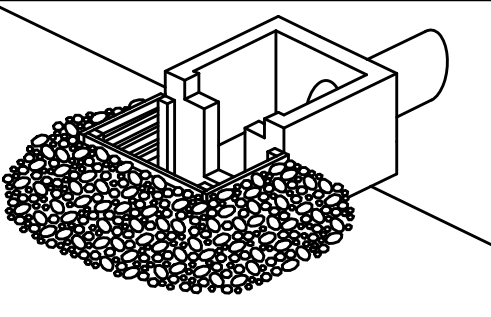
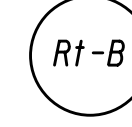
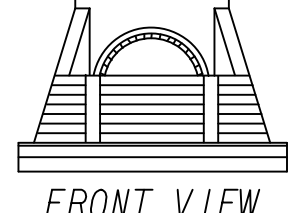

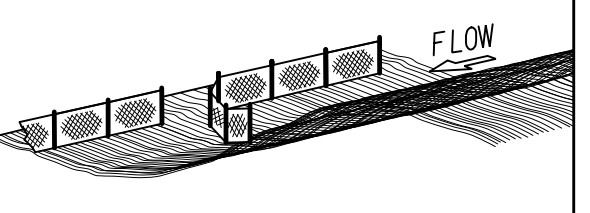

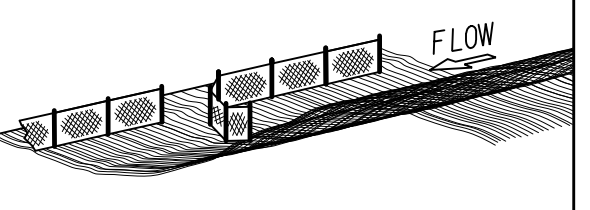

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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Fr	FILTER RING CONSTRUCTION DETAIL D-46 SECTION 163		A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS AND POST-CONSTRUCTION POND OUTLETS. IT REDUCES RUNOFF VELOCITY AND HELPS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

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

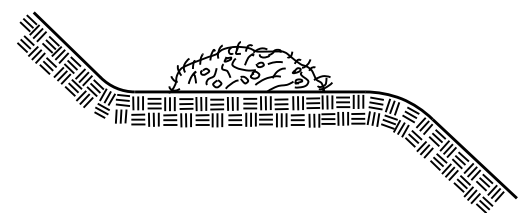
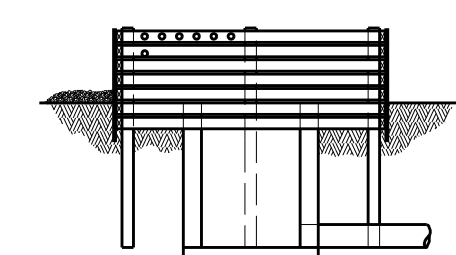

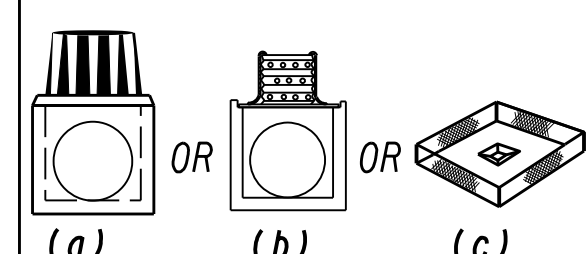
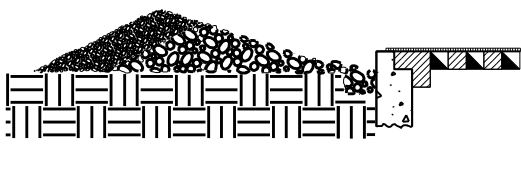
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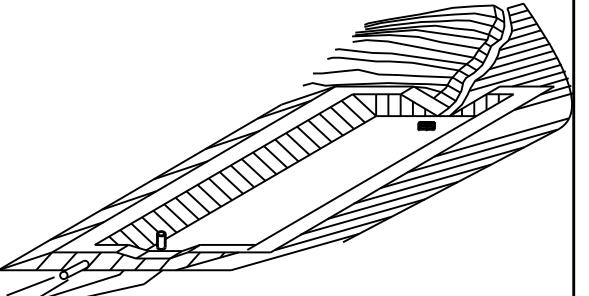
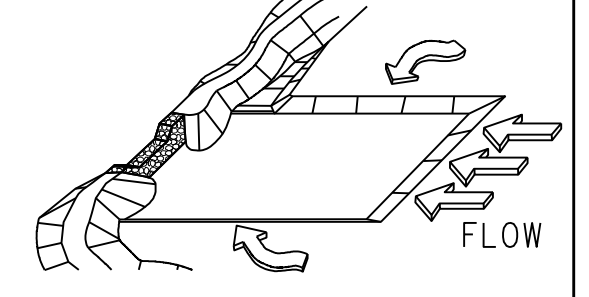
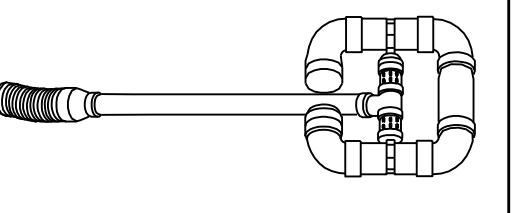
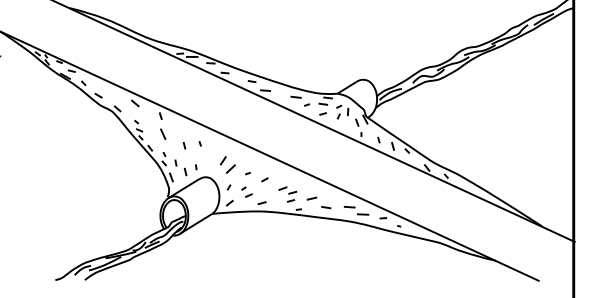
- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S,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



NO SCALE

REVISION DATES		EROSION CONTROL LEGEND	
3/2/2017		UNIFORM CODE SHEET	
		SHEET 5 OF 7	
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CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER CONSTRUCTION DETAIL D-24B SECTION 201		THIS ITEM CONSISTS OF INTERMINGLED BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM. CONSTRUCTED AT THE TOE OF FILL SLOPES ONLY DURING THE CLEARING AND GRUBBING OPERATION. THE BARRIER SHOULD BE USED AT THE TOE OF FILL SLOPES ON GRADING PROJECTS IN RURAL AREAS WHERE SUFFICIENT RIGHT OF WAY OR EASEMENT IS AVAILABLE (10 FEET OR MORE). THE BARRIER SHOULD RUN ROUGHLY PERPENDICULAR TO THE FLOW OF WATER WHERE THIS DOES NOT CONFLICT WITH RIGHT-OF-WAY OR EASEMENT LIMITS. THEY WILL NOT BE PLACED IN WETLANDS. TYPICALLY NOT SHOWN ON PLANS. PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPARATE PAYMENT SHALL BE MADE.
	LINE CODE * * * Sd1-BB * * *		
Sd2-B	INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163		BAFFLE BOX INLET SEDIMENT TRAP USED FOR INLETS RECEIVING HIGH FLOW RATE AND/OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES 7 cfs AND GREATER.
	SYMBOL Sd2-B		
Sd2-Bg	INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-42 SECTION 163		BLOCK AND GRAVEL DROP INLET PROTECTION USED FOR WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. CAN BE USED AT CULVERT INLETS. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 5 - 7 cfs.
	SYMBOL Sd2-Bg		
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-24C SECTION 163		(a) A SEDIMENT BARRIER CONSISTING OF A PREFABRICATED FRAME WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (b) A SEDIMENT BARRIER CONSISTING OF A PERFORATED METAL STAND PIPE WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (c) TYPE C SILT FENCE WITH SUPPORTING FRAME CAN BE USED AS AN ALTERNATE TO INLET SEDIMENT TRAP FOR AREAS WITH SLOPES < 5%. THIS ITEM IS USED TO PREVENT SILT FROM ENTERING THE PIPE SYSTEM. SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS. RECOMMENDED FOR INLET RECEIVING FLOW RATES THAT RANGE FROM 0 - 4 cfs.
	SYMBOL Sd2-F		
Sd2-G	INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163		GRAVEL DROP INLET PROTECTION USED WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED. STONE AND GRAVEL ARE USED TO TRAP SEDIMENT. THE SLOPE TOWARD THE INLET SHALL BE NO MORE THAN 3:1. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 3 - 5 cfs.
	SYMBOL Sd2-G		

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

NOTE:

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- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

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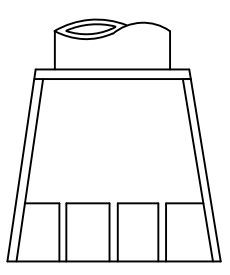
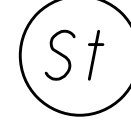
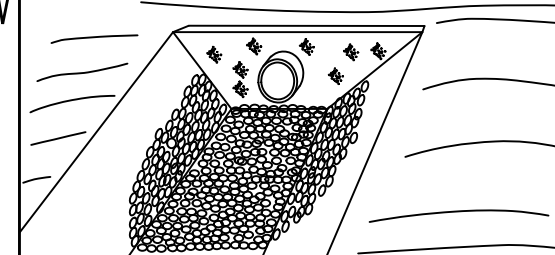
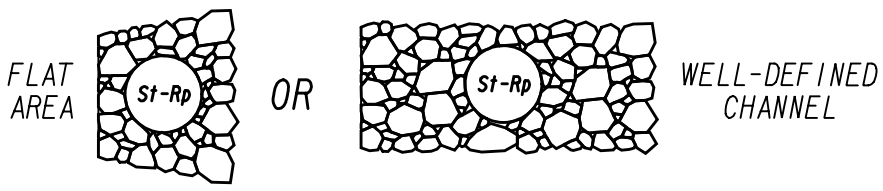
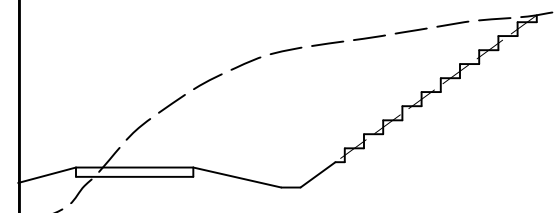
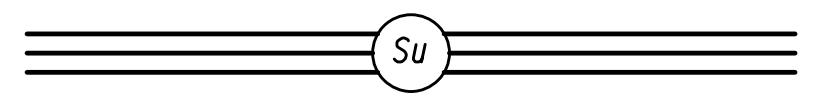
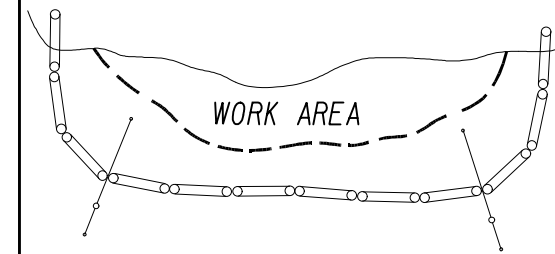
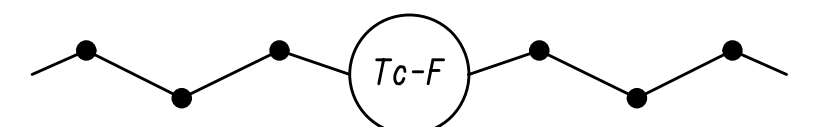
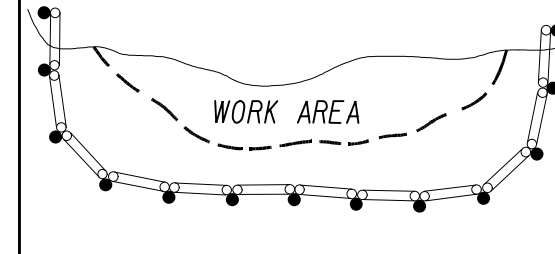
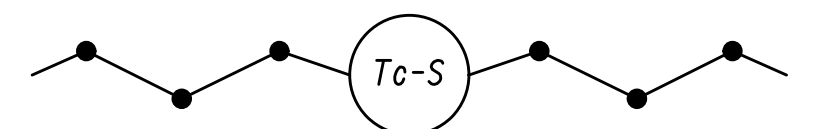
EROSION CONTROL LEGEND
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SHEET 6 OF 7

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

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION

NOTE:

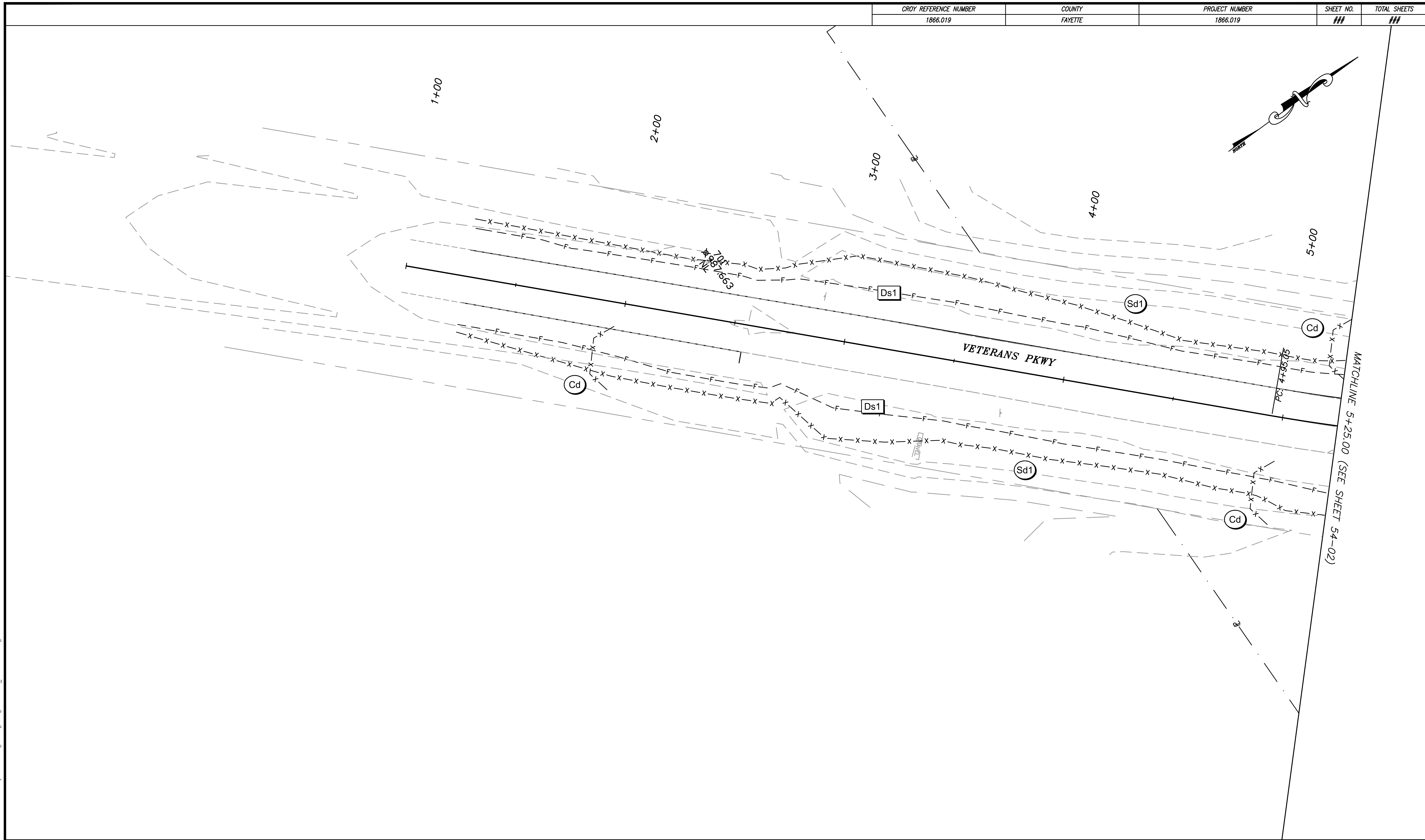
- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S,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

REVISION DATES		EROSION CONTROL LEGEND	
3/2/2017		UNIFORM CODE SHEET	
		SHEET 7 OF 7	
CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
		DRAWING No.	
		52-0007	

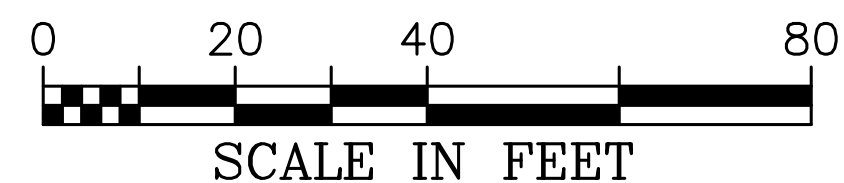


NO SCALE

CROY REFERENCE NUMBER 1866.019	COUNTY FAYETTE	PROJECT NUMBER 1866.019	SHEET NO. ##	TOTAL SHEETS ##
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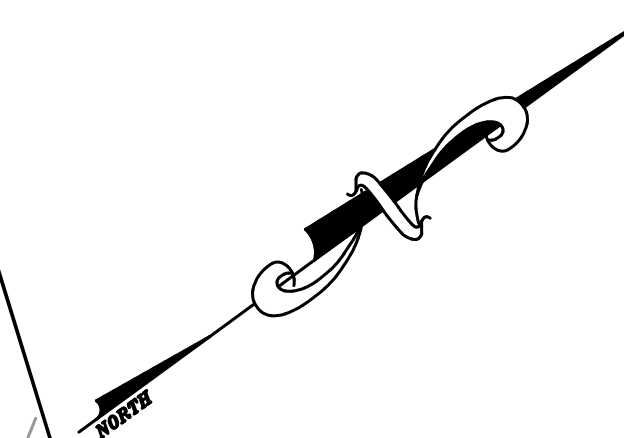
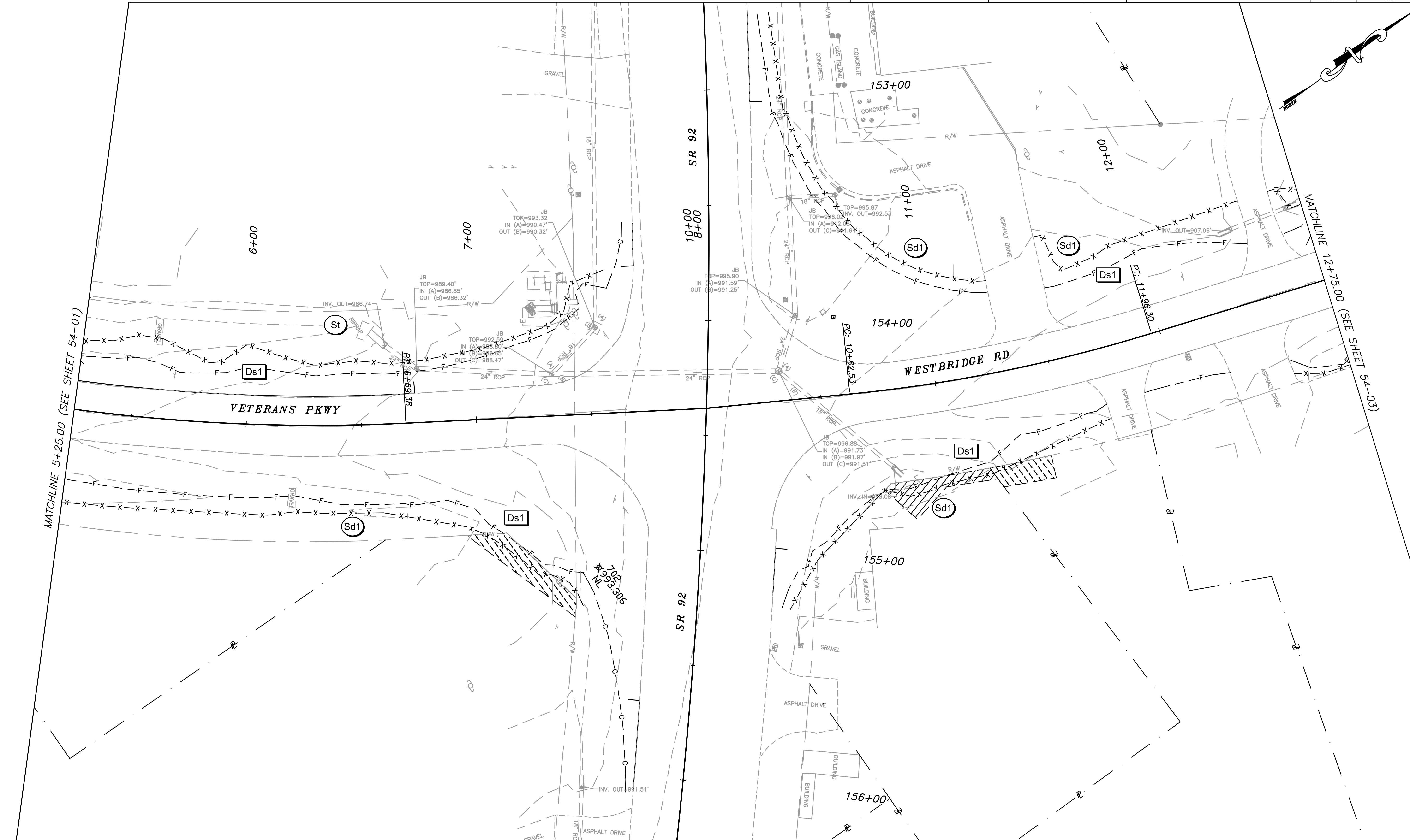
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REVISION DATES		

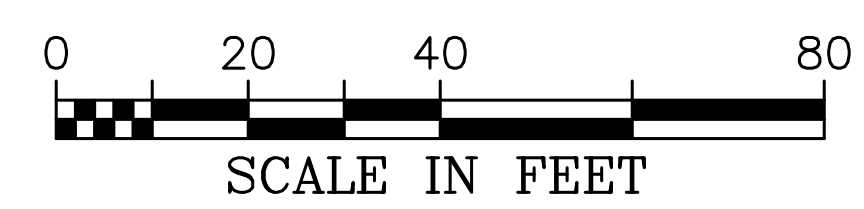
FAYETTE COUNTY	
VETERANS PARKWAY AT SR 92	
BMP LOCATION DETAILS INITIAL PHASE	DRAWING NO. 54-01

CROY REFERENCE NUMBER 1866.019	COUNTY FAYETTE	PROJECT NUMBER 1866.019	SHEET NO. ##	TOTAL SHEETS ##
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MATCHLINE 5+25.00 (SEE SHEET 54-01)

MATCHLINE 12+75.00 (SEE SHEET 54-03)



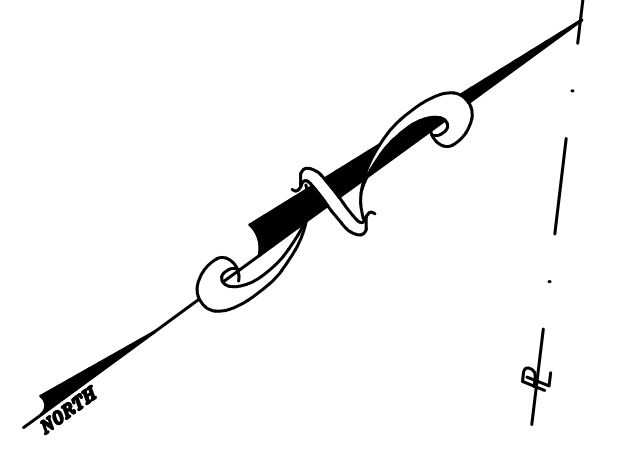
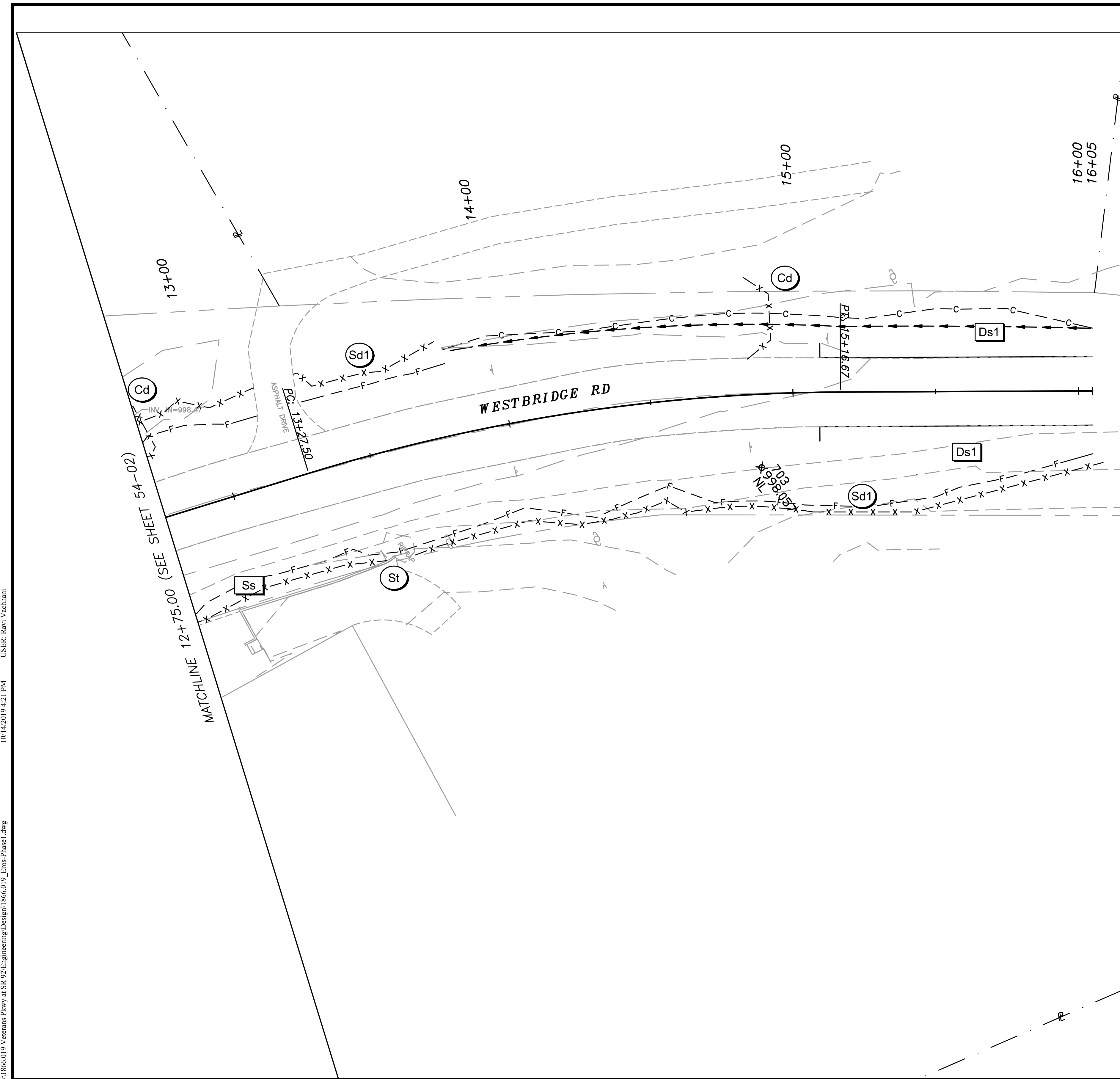
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REVISION DATES	

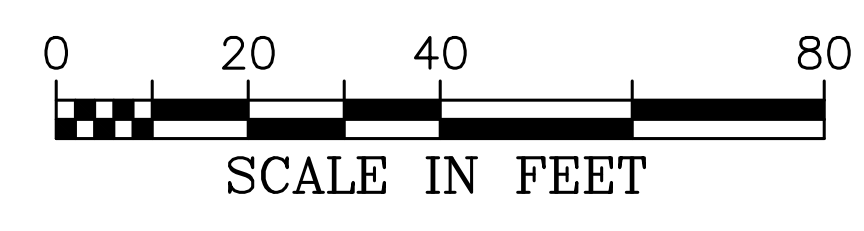
FAYETTE COUNTY	
VETERANS PARKWAY AT SR 92	
BMP LOCATION DETAILS INITIAL PHASE	DRAWING NO. 54-02

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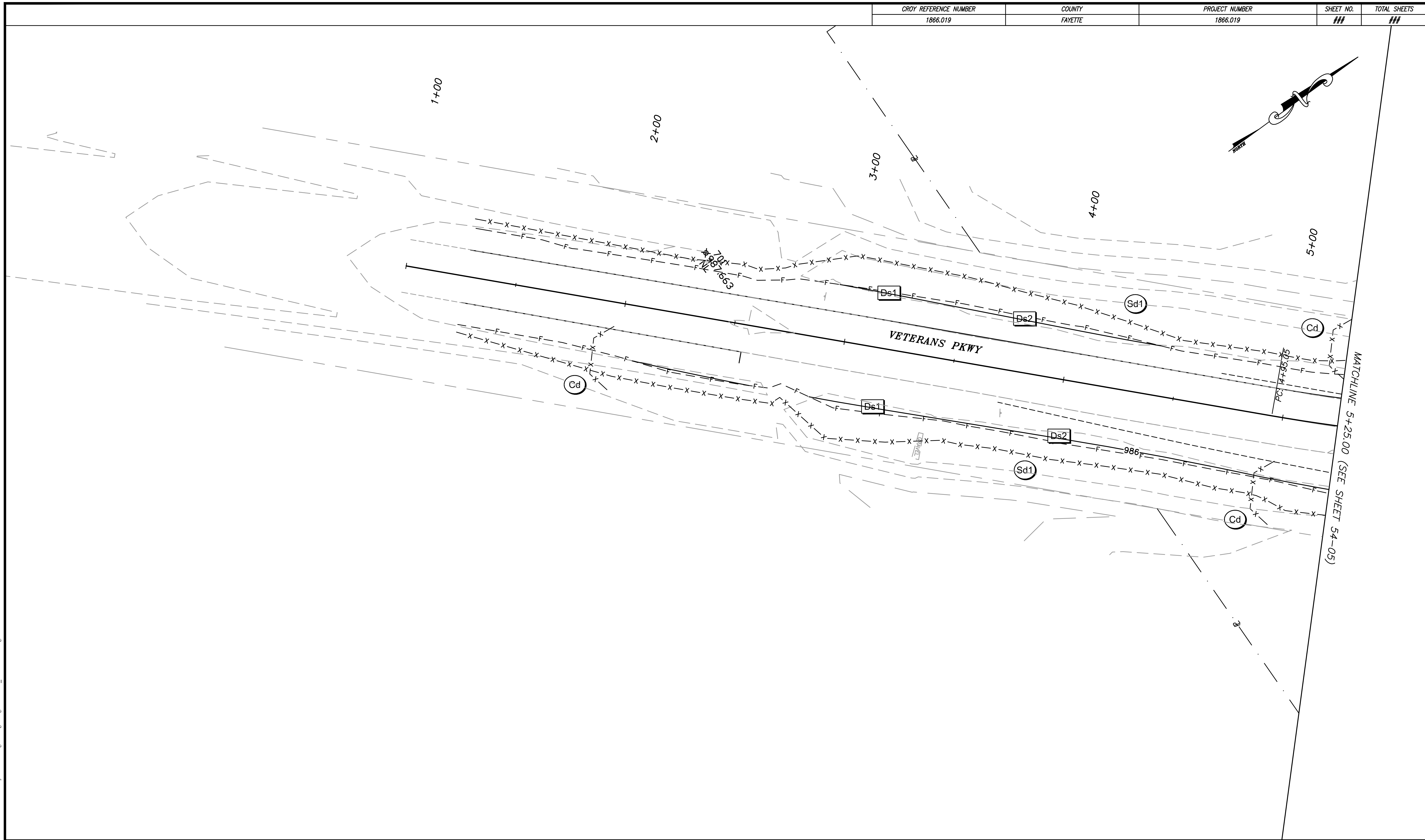
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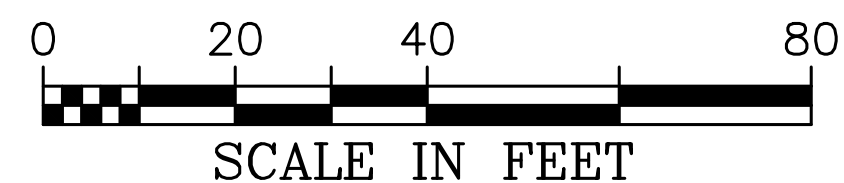
REVISION DATES		

FAYETTE COUNTY	
VETERANS PARKWAY AT SR 92	
BMP LOCATION DETAILS INITIAL PHASE	DRAWING NO. 54-03

CROY REFERENCE NUMBER 1866.019	COUNTY FAYETTE	PROJECT NUMBER 1866.019	SHEET NO. ##	TOTAL SHEETS ##
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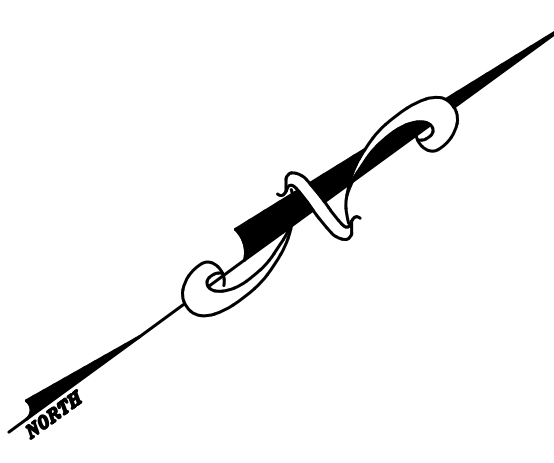
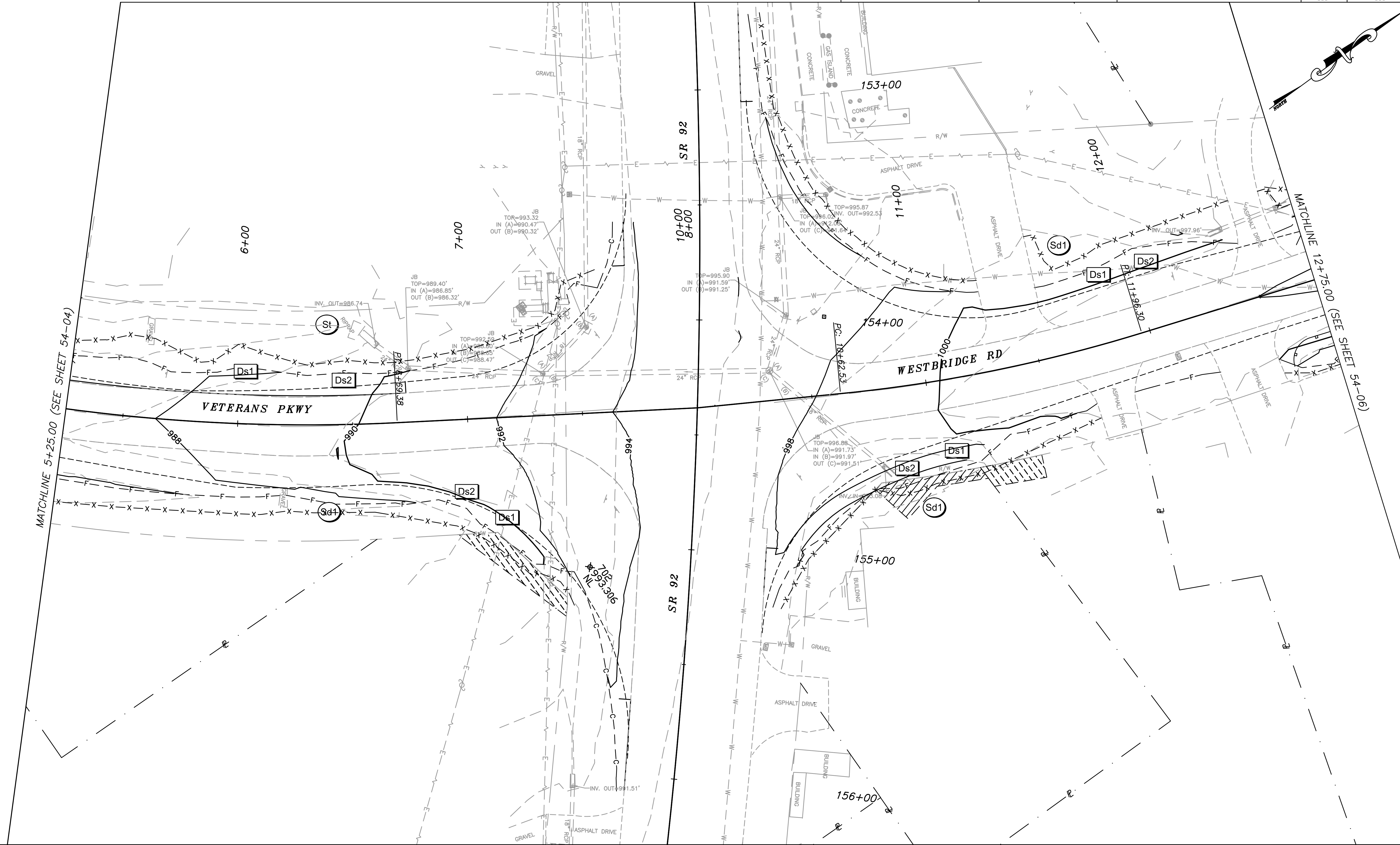


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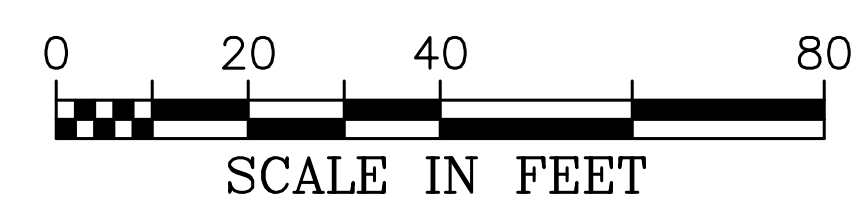
REVISION DATES	

FAYETTE COUNTY	
VETERANS PARKWAY AT SR 92	
BMP LOCATION DETAILS INTERMEDIATE PHASE	DRAWING NO. 54-04



MATCHLINE 5+25.00 (SEE SHEET 54-04)

MATCHLINE 12+75.00 (SEE SHEET 54-06)

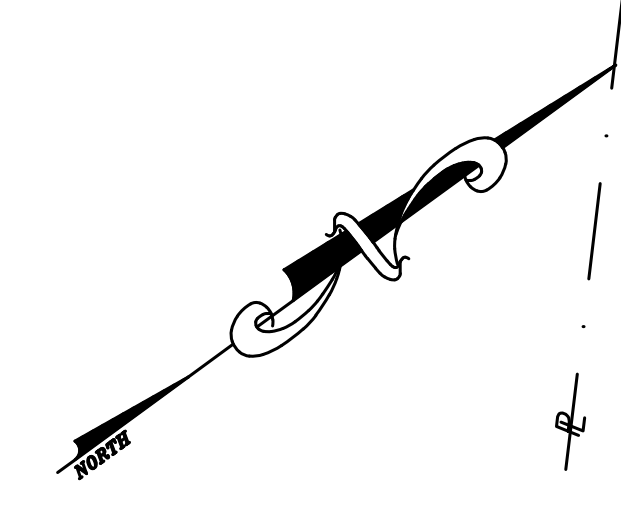
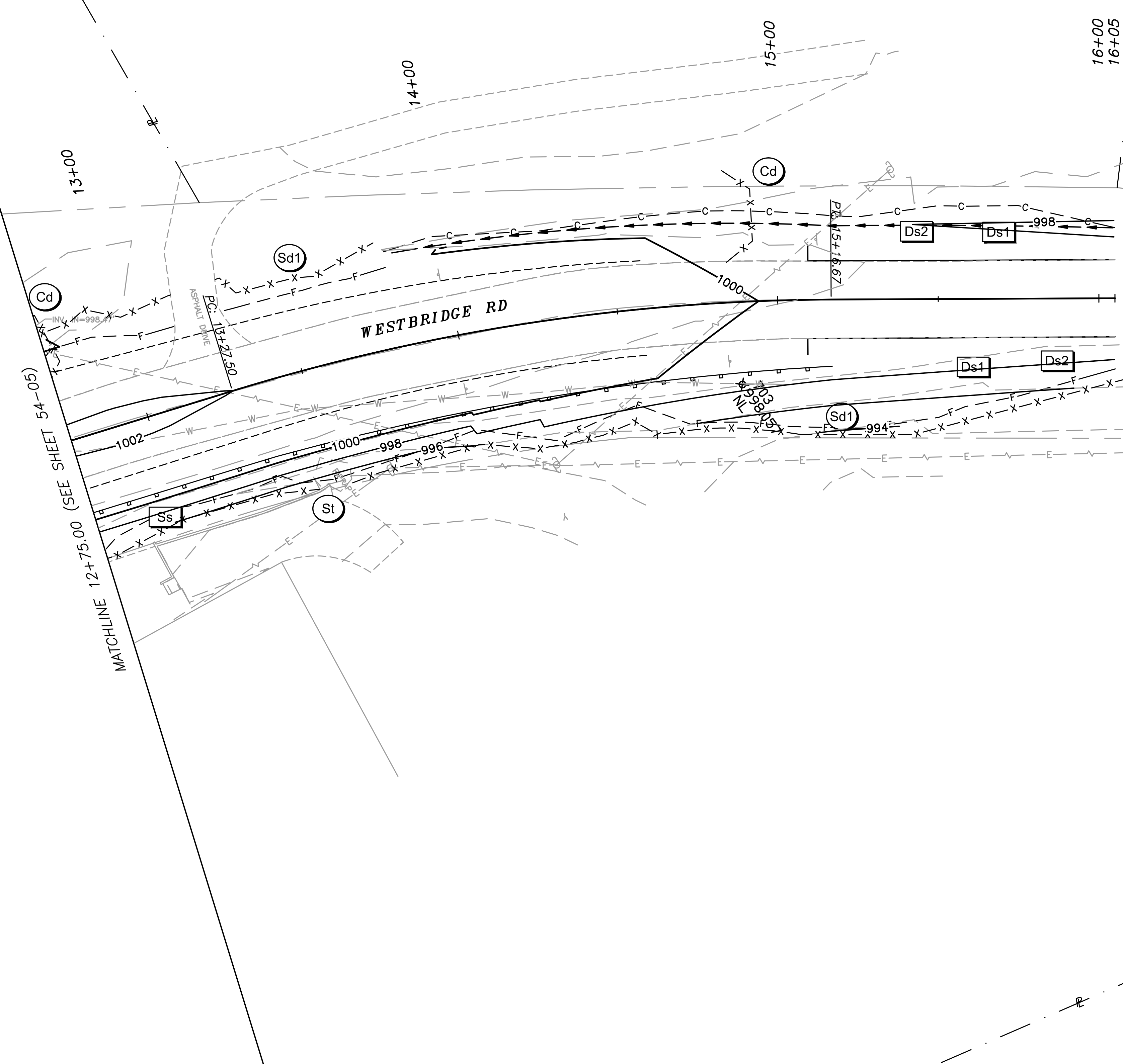


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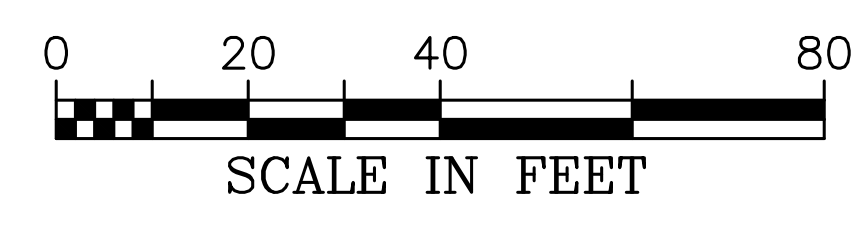
REVISION DATES	

FAYETTE COUNTY
 VETERANS PARKWAY AT SR 92
 BMP LOCATION DETAILS
 INTERMEDIATE PHASE
 DRAWING NO.
 54-05

CROY REFERENCE NUMBER 1866.019	COUNTY FAYETTE	PROJECT NUMBER 1866.019	SHEET NO. ###	TOTAL SHEETS ###
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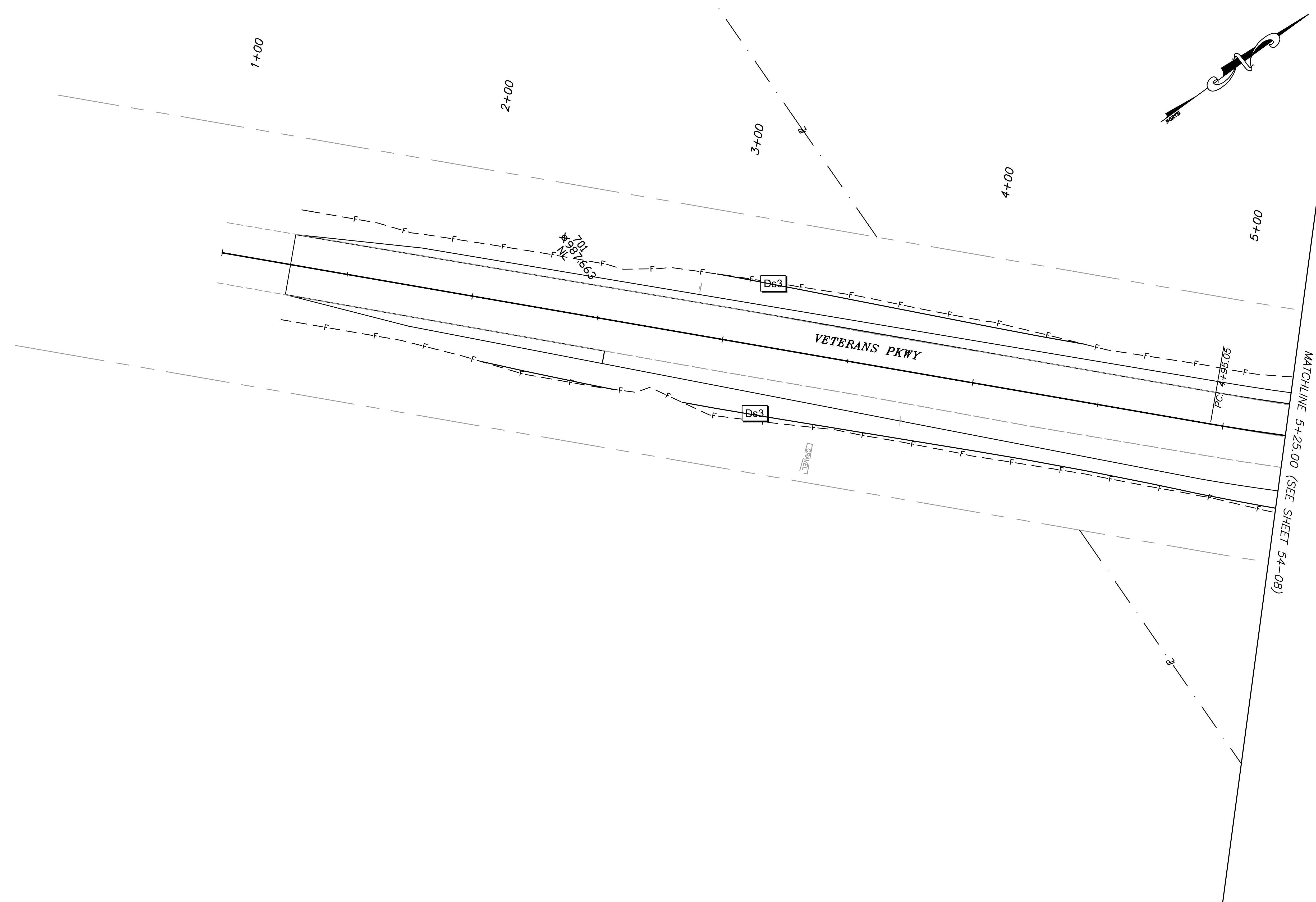
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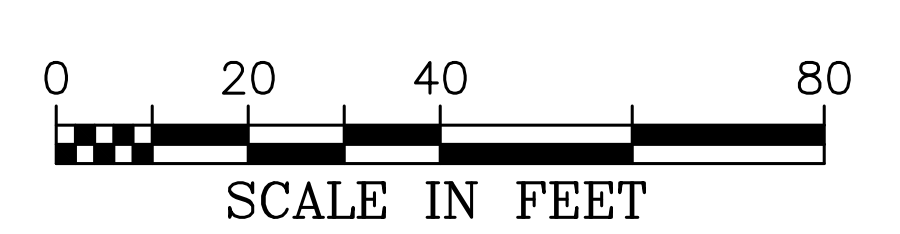
REVISION DATES		

FAYETTE COUNTY	
VETERANS PARKWAY AT SR 92	
BMP LOCATION DETAILS INTERMEDIATE PHASE	DRAWING NO. 54-06

CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1866.019	FAYETTE	1866.019	###	###



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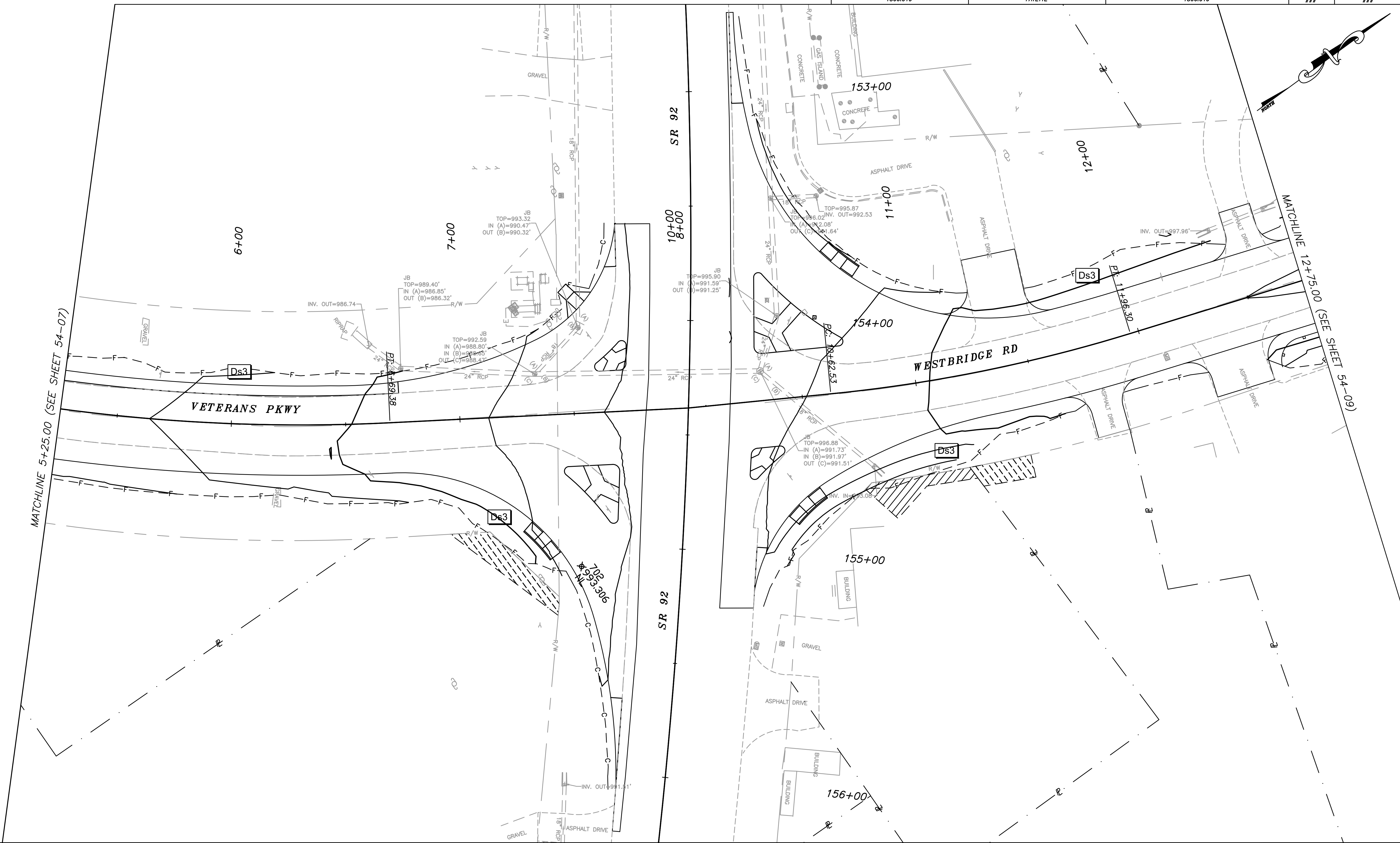
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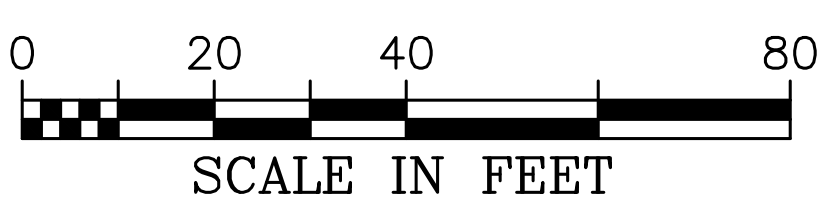
REVISION DATES	

FAYETTE COUNTY	
VETERANS PARKWAY AT SR 92	
BMP LOCATION DETAILS FINAL PHASE	DRAWING NO. 54-07



MATCHLINE 5+25.00 (SEE SHEET 54-07)

MATCHLINE 12+75.00 (SEE SHEET 54-09)

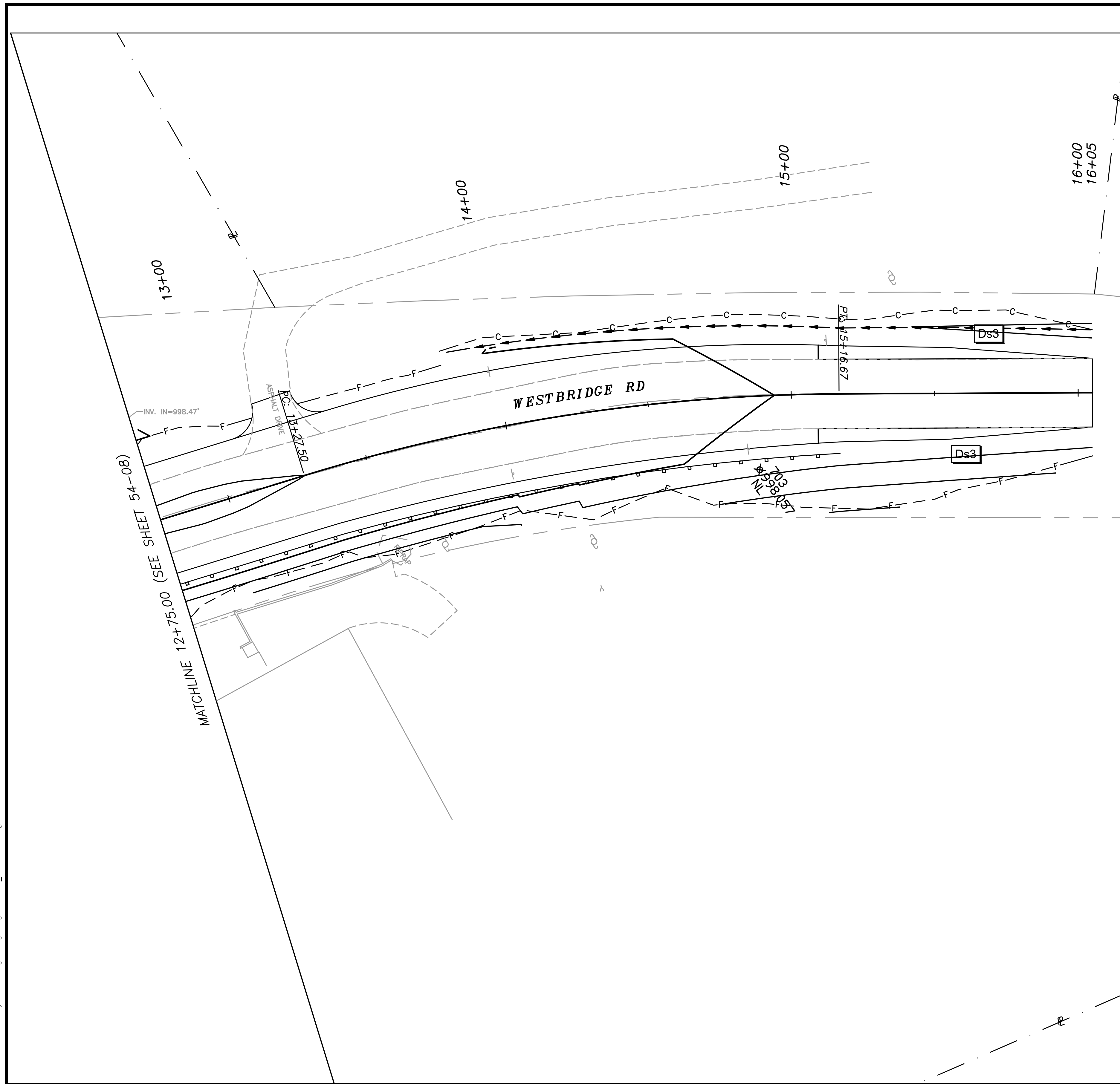


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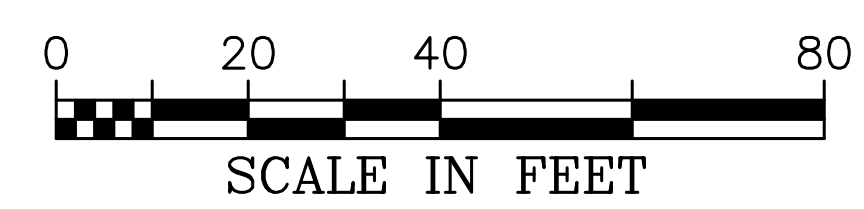
REVISION DATES	

FAYETTE COUNTY	
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BMP LOCATION DETAILS FINAL PHASE	DRAWING NO. 54-08

CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1866.019	FAYETTE	1866.019	###	###



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REVISION DATES		

FAYETTE COUNTY	
VETERANS PARKWAY AT SR 92	
BMP LOCATION DETAILS FINAL PHASE	DRAWING NO. 54-09

CROY REFERENCE NUMBER	COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1866.019	FAYETTE	1866.019	###	###

DS1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
N.T.S.

SPECIFICATIONS

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:
1. *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.
2. *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.
3. *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.
1. *Dry straw or hay mulch and wood chips* shall be applied uniformly by hand or by mechanical equipment.
2. If the area will eventually be covered with perennial vegetation, 20-30 pounds of nitrogen per acre in addition to the normal amount shall be applied to offset the uptake of nitrogen caused by the decomposition of the organic mulches.
3. Apply polyethylene film on exposed areas.

Anchoring Mulch
1. *Straw or hay mulch* can be pressed into the soil with a disk harrow with the disk set straight or with a special "packer disk". Disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch but to press it into the soil leaving much of it in an erect position. *Straw or hay mulch shall be anchored immediately after application.*
2. *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.
3. 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.
4. *Polyethylene film* shall be anchored or taped 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, 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.

Seeded Preparation
When a hydraulic seeder is used, seeded preparation is not required. When using conventional or hand-seeding, seeded 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 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.	J	F	M	A	M	J	J	A	S	O	N	D	200,000 seed per pound. May volunteer for several years. Use inoculant EL.
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	17,000 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 dense 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 sudanense) alone	60 lbs.	1.4 lb.	J	F	M	A	M	J	J	A	S	O	N	D	55,000 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.

Seeded Preparation
Seeded 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, seeded preparation will be done as follows:
Broadcast Planting
1. 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.
2. Tillage may be done with any suitable equipment.
3. Tillage should be done on the contour where feasible.
4. 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 6 to 8 inches apart in which seed may lodge and germinate. Hydraulic seeding may also be used.
Individual Plants
5. Where individual plants are to be set, the soil shall be prepared by excavating holes, opening furrows, or dibble planting.
6. For nursery stock plants, holes shall be large enough to accommodate roots without crowding.
7. Where pine seedlings are to be planted, subsoil under the row 36 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 hydroseeder 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. Use a cultipacker-seeder, drill, rotary seeder, or 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, or mulch 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 must be uniformly distributed and planted at the proper depth.
Individual Plants
Shrubs, vines and sprigs may be planted with appropriate plants or hand tools. Pine trees shall be planted manually in the subsoil furrow. Each plant shall be set in a manner that will avoid crowding the roots.
Nursery stock plants shall be planted at the same depth or slightly deeper than they grew at the nursery. The tips of vines and sprigs must be at or slightly above the ground surface.
Where individual holes are dug, fertilizer shall be placed in the bottom of the hole, two inches of soil shall be added and the 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:
1. Dry straw or 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 1 1/2 tons per acre.
2. Wood cellulose mulch or wood pulp fiber shall be used with hydraulic seeding. It shall be applied at the rate of 500 lbs. per acre. Dry straw or hay shall be applied at the rate indicated above after hydraulic seeding.
3. One thousand pounds of wood cellulose or wood pulp fiber, which includes a tackifier, shall be used with hydraulic seeding on slopes 3:4 or steeper.
4. Sericea lespedeza by containing mature seed shall be applied at a rate of three tons per acre.
5. Pine straw or pine bark shall be applied at a thickness of 3 inches for bedding purposes; other suitable materials in sufficient quantity may be used where ornamentals or other ground covers are planted. This is **NOT** appropriate for seeded areas.
6. When using temporary erosion control blankets or block soil, mulch is not required.
7. 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 dispersed 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:
1. Hay and straw mulch shall be pressed into the soil immediately after the mulch is spread. A special "packer 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.
2. 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**.
3. 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.
4. Plastic mesh or netting with mesh no larger than one inch by one inch may be needed to anchor straw or hay mulch on unstable soils and concentrated flow areas. These materials shall be installed and anchored according to manufacturer's 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
1. Sericea lespedeza only after frost to ensure that the seeds are mature, most between November and March.
2. 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.
3. Exclude traffic until the plants are well established. Because of the quail nesting season, mowing should not take place between May and September.

DS3 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)
N.T.S.

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. 30 lbs.	1.4 lb. 0.7 lb.	J	F	M	A	M	J	J	A	S	O	N	D	166,000 seed per pound. Low growing. Soil 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. 30 lbs.	1.4 lb. 0.7 lb.	J	F	M	A	M	J	J	A	S	O	N	D	166,000 seed per pound. Low growing. Soil forming. Slow to establish. Plant with a companion crop. Will spread into bermuda pastures and lawns. Mix with Sericea lespedeza or weeping lovegrass.
BERMUDA, COMMON (Cynodon dactylon) alone with other perennials	10 lbs. 6 lbs.	0.2 lb. 0.1 lb.	J	F	M	A	M	J	J	A	S	O	N	D	1,787,000 seed per pound. Quick cover. Low growing and soil forming. Full sun. Good for athletic fields.
BERMUDA, COMMON (Cynodon dactylon) with temporary cover with other perennials	10 lbs. 6 lbs.	0.2 lb. 0.1 lb.	J	F	M	A	M	J	J	A	S	O	N	D	Plant with winter annuals. Plant with tall fescue.
BERMUDA, COMMON (Cynodon dactylon) Coastal, Common, or Tift 44	40 cu. ft. 14 cu. ft.	0.9 cu. ft.	J	F	M	A	M	J	J	A	S	O	N	D	A cubic foot contains approximately 650 sprigs. A bushel contains 1.25 cubic feet or approximately 800 sprigs.
CENTPEDE (Eriochloa ophiuroides)	Block seed only		J	F	M	A	M	J	J	A	S	O	N	D	A single seedling is a ground cover. Effective at stabilizing soil and preventing erosion. Not to be used where a companion crop is required. For use on steep slopes. Prohibited on the north side of the road.
CROWNVEITCH (Cortaderia 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	89,000 seed per pound. Stems grow 4 to 6 feet high. Drought tolerant and fire resistant. Sprouting after frost. Use with 20-30 lbs. per acre of wood chips. Do not use on bare soil. Not to be established in spring following other plantings. Use a heavy mulch of wood chips.
FESCUE, TALL (Festuca arundinacea) alone with other perennials	50 lbs. 30 lbs.	1.1 lb. 0.7 lb.	J	F	M	A	M	J	J	A	S	O	N	D	27,999 seed per pound (the above only on bare soil. Not to be established in spring following other plantings. Use a heavy mulch of wood chips).
LESPEDEZA, SERICEA (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	156,000 seed per pound. Widely adapted. Low maintenance. Mix with weeping lovegrass, centrosea, bermuda, bahia, or tall fescue. Use 2 to 3 tons per acre. Fully established. Excellent on embankments. Inoculate seed with EL inoculant.
LESPEDEZA (Lespedeza virgata 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	30,000 seed per pound. Height of growth is 14 to 24 inches. Adaptability to soil. Spreading type grass has better tolerance for wet flooding. Inoculate seed with Sericea lespedeza. Do not use on bare soil. Not to be established in spring following other plantings. Use a heavy mulch of wood chips.
LESPEDEZA, SHRUB (Lespedeza bicolor) (Lespedeza thunbergii) 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. 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. Quick cover. Drought-tolerant. Grows well with Sericea lespedeza on roadbanks.
PANICOGRASS, ATLANTIC COASTAL (Panicum amarrum 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, barren soils, and gravel pits. Provides winter cover for wildlife. Mix with Sericea lespedeza except on sand dunes.
REED CANARY GRASS (Phalaris arundinacea) alone with other perennials	50 lbs. 30 lbs.	1.1 lbs. 0.7 lb.	J	F	M	A	M	J	J	A	S	O	N	D	Grows similar to tall fescue.
SUNFLOWER, 'AZTEC' MAXIMILLIAM (Helianthus maximilianii)	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.

FERTILIZER REQUIREMENTS

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	NITROGEN TOP DRESSING RATE
1. Cool season grasses	First Second Maintenance	6-12-12 1000 lbs./ac. 6-12-12 400 lbs./ac. 10-10-10	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. --- 30 lbs./ac.
2. Cool season grasses and legumes	First Second Maintenance	6-12-12 1000 lbs./ac. 0-10-10 400 lbs./ac.	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	0-50 lbs./ac. --- ---
3. Ground covers	First Second Maintenance	10-10-10 1300 lbs./ac. 10-10-10 1100 lbs./ac.	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 Maintenance	0-10-10 700 lbs./ac. 0-10-10 700 lbs./ac.	700 lbs./ac. 700 lbs./ac.	---
6. Temporary cover crops seeded alone	First	10-10-10	500 lbs./ac.	30 lbs./ac.
7. Warm season grasses	First Second Maintenance	6-12-12 800 lbs./ac. 6-12-12 400 lbs./ac. 10-10-10 400 lbs./ac.	1500 lbs./ac. 800 lbs./ac. 400 lbs./ac.	50-100 lbs./ac. 50-100 lbs./ac. 30 lbs./ac.
8. Warm season grasses and legumes	First Second Maintenance	6-12-12 1000 lbs./ac. 0-10-10 400 lbs./ac.	1500 lbs./ac. 1000 lbs./ac. 400 lbs./ac.	50 lbs./ac. --- ---

DURABLE SHRUBS AND GROUND COVERS FOR PERMANENT COVER

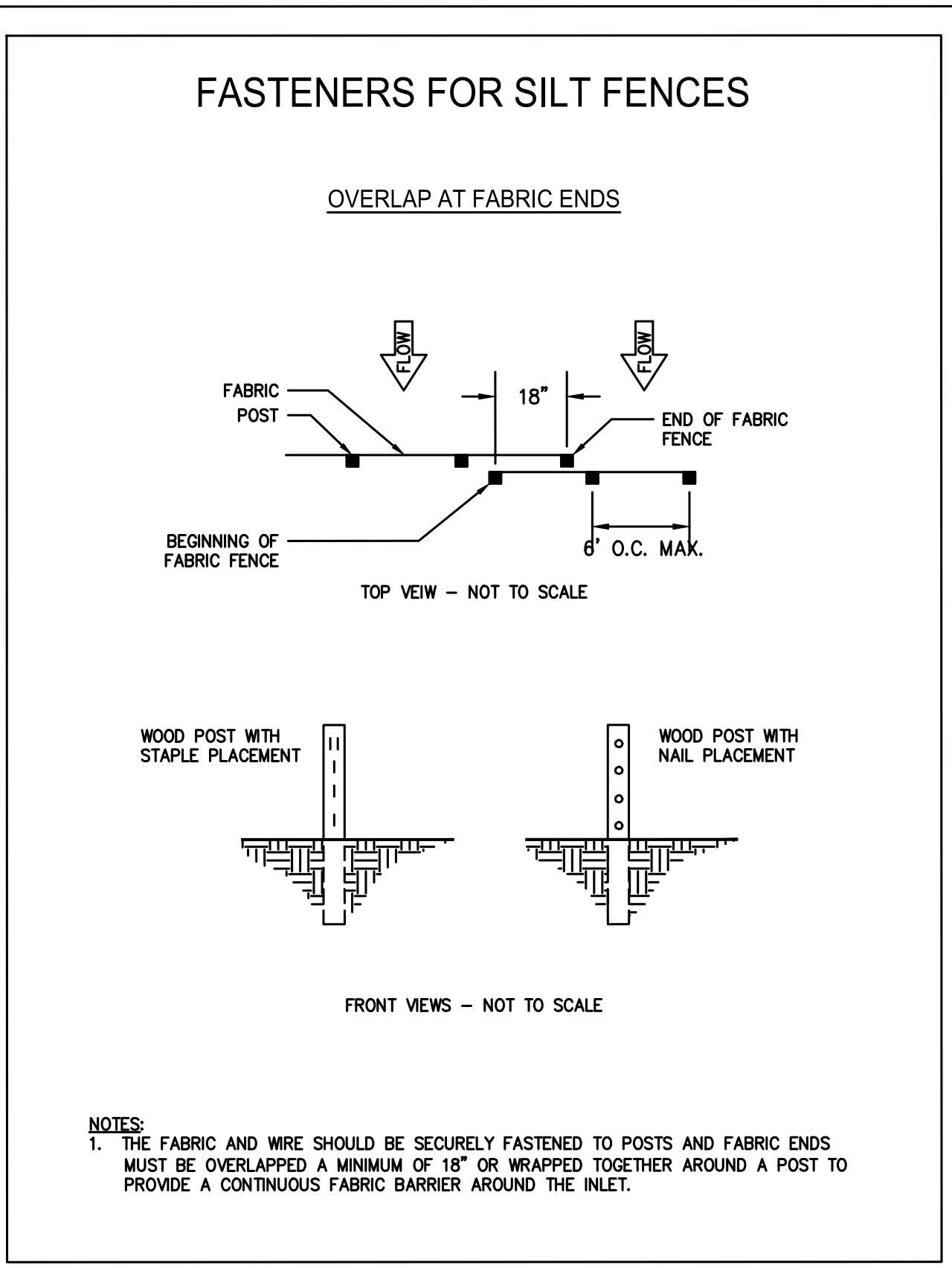
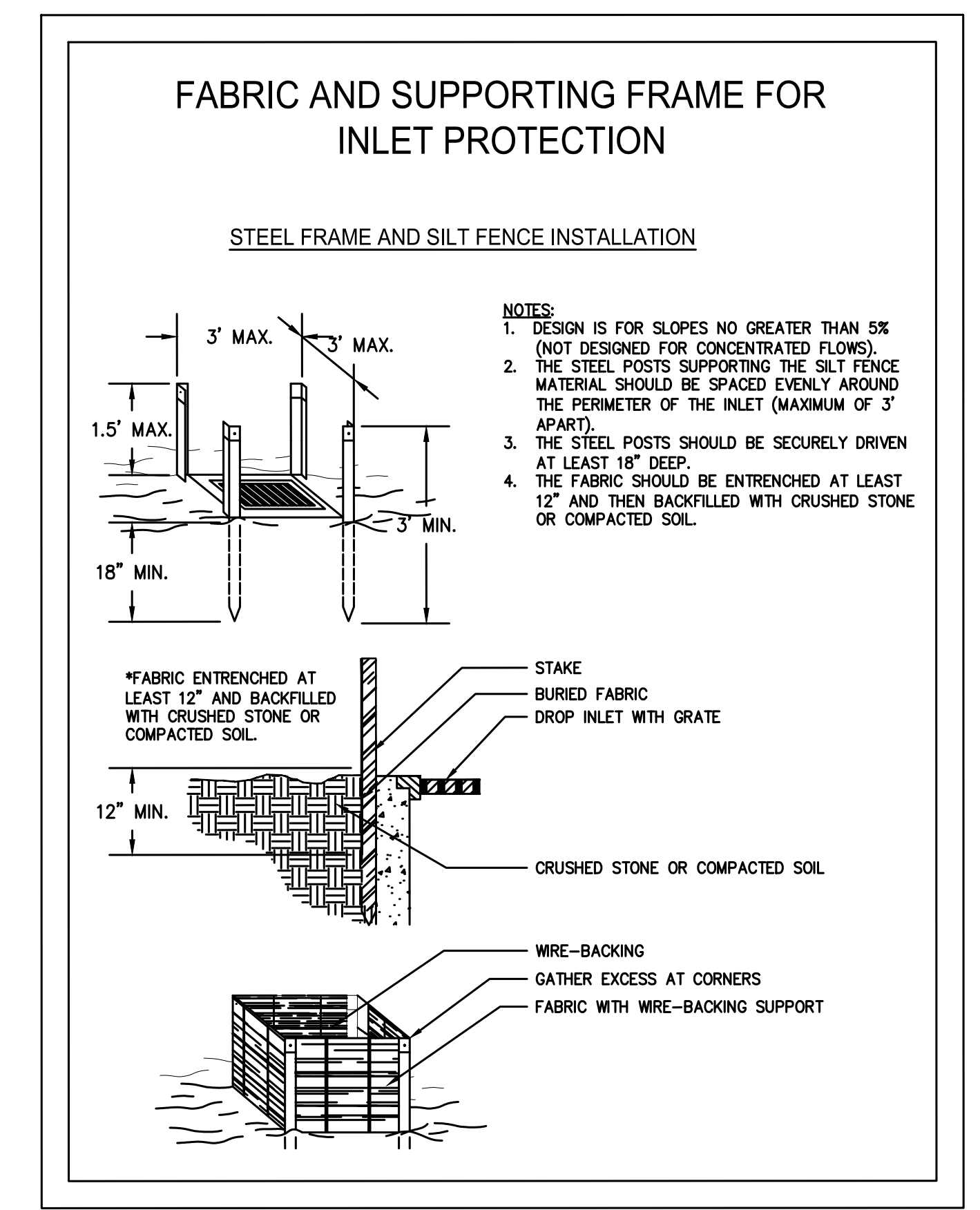
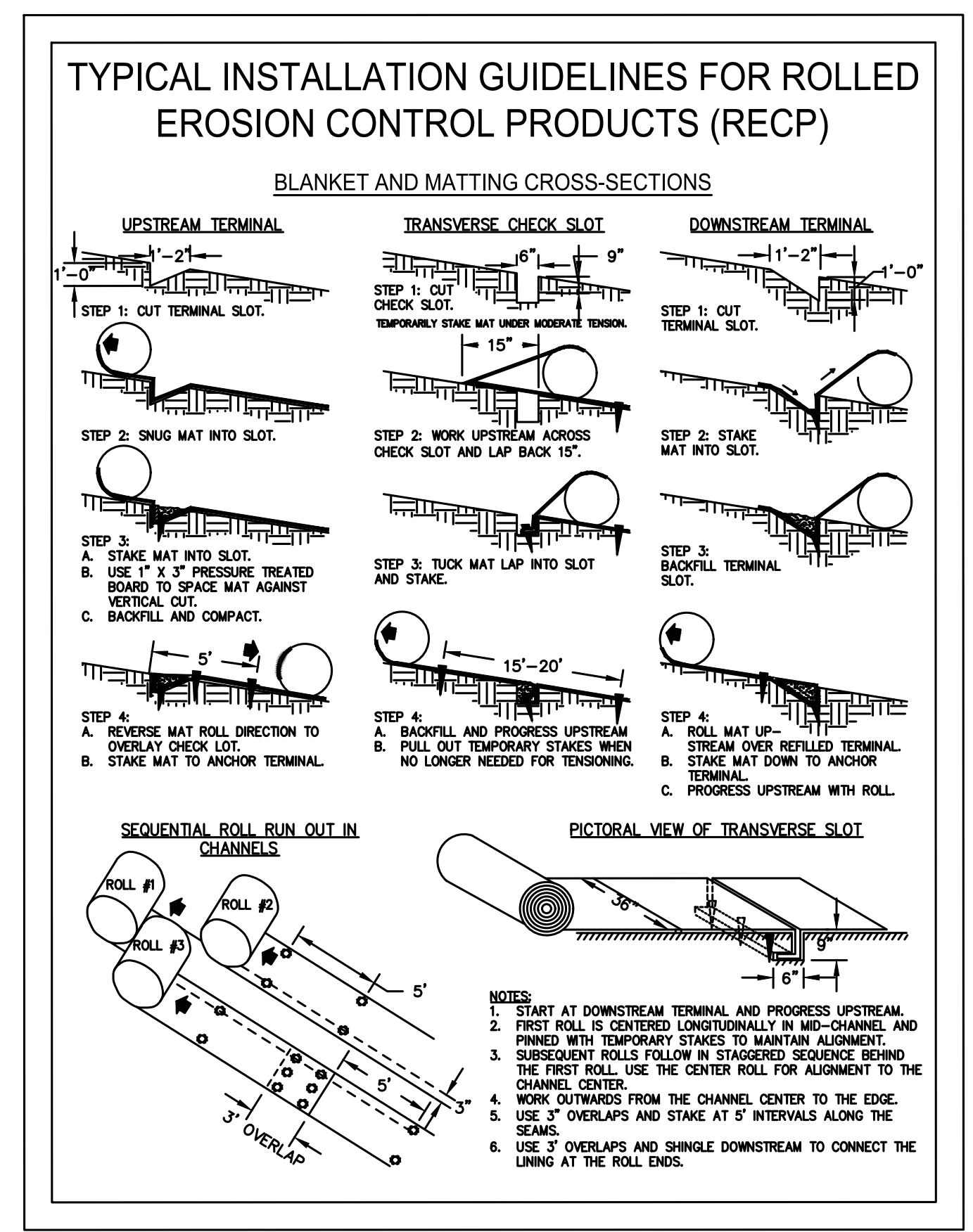
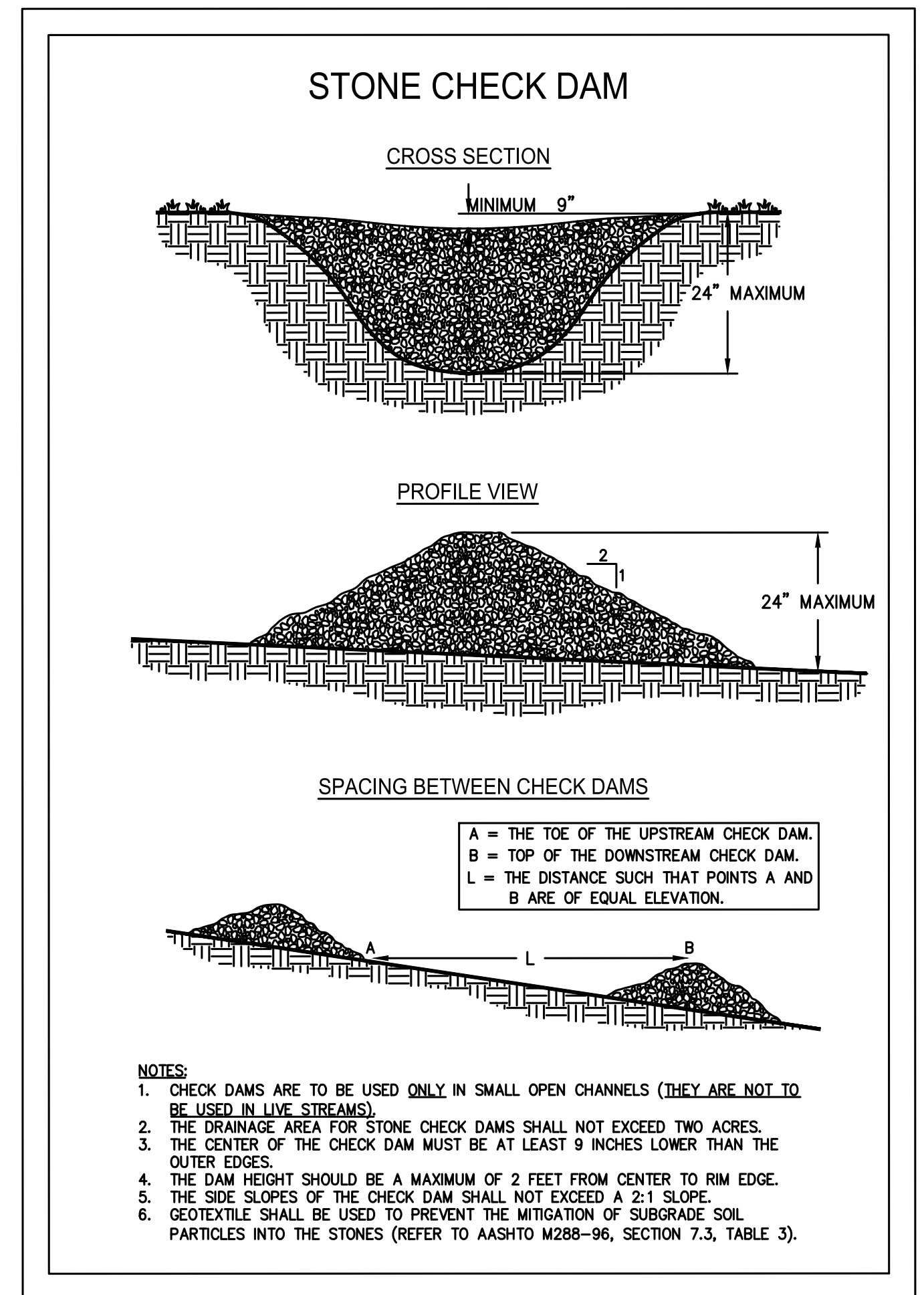
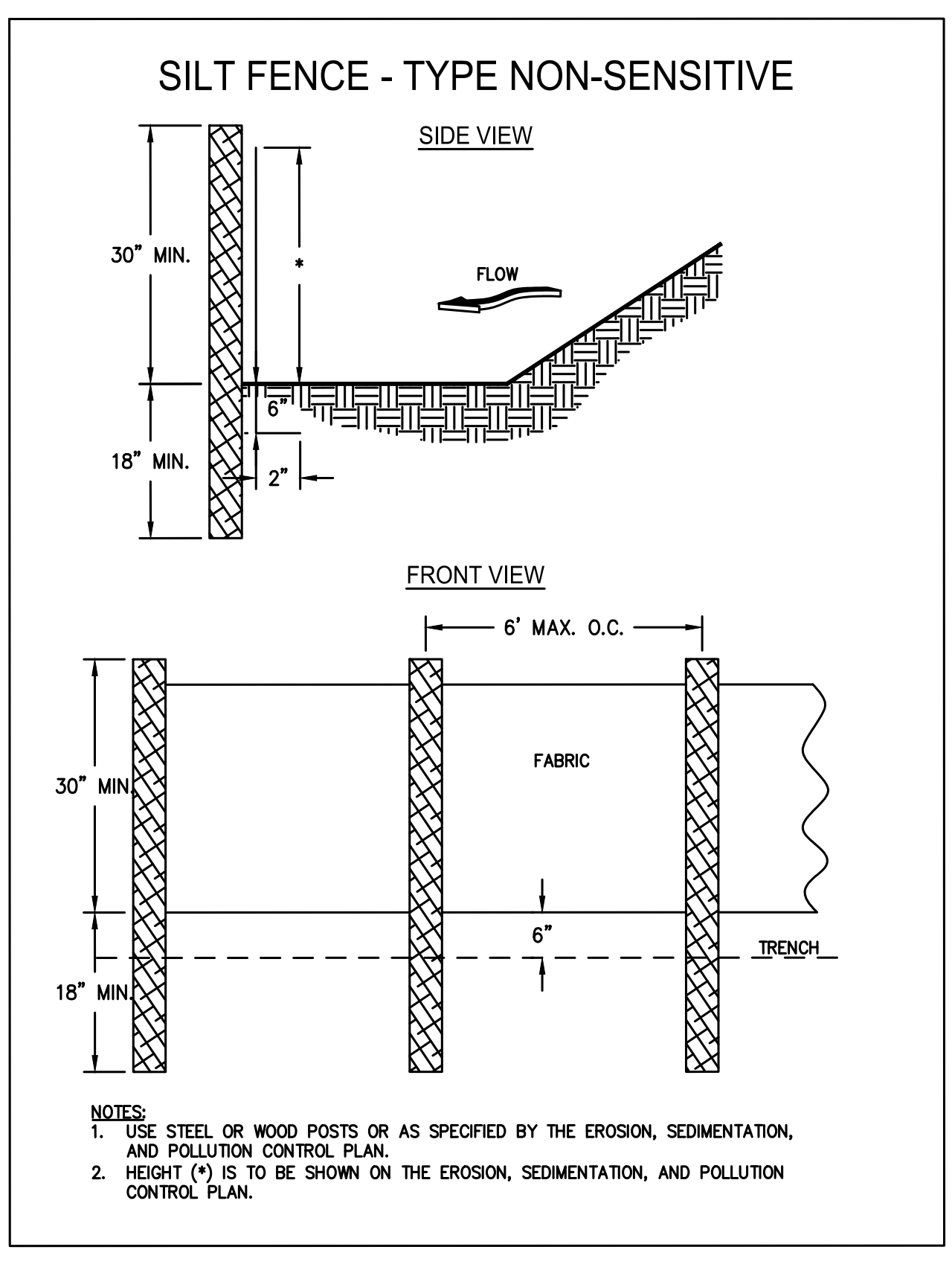
Common Name	Scientific Name	Mature Height	Plant Spacing	Comments
Albella	Abelia grandiflora	3-4 ft.	5 ft.	Also a prostrate form 2 feet high. Sun, semi-shade. Semi-evergreen.
Carolina Yellow Jessamine	Gelsemium sempervirens	low	3 ft.	Vine. Yellow, trumpet-like flowers. Hardy, one of best vines. Evergreen. Native to Georgia.
Carpenter Blue	Ajuga reptans	2-4 in.	3 ft.	Needs good drainage, partial shade. Blue or white flowers. Evergreen.
Heatherberry 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	5 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.
Compact 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.
Repanders Holly	Ilex crenata 'Repanders'	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 compacta'	1-2 ft.	5 ft.	More compact than andorra.
Blue Chip Juniper	Juniperus horizontalis 'Blue Chip'	8-10 in.	4 ft.	
Blue Rug Juniper	Juniperus horizontalis 'Wilsoni'	4-6 in.	3 ft.	Very low. Sun.
Parsons Juniper	Juniperus davurica 'Expansa' (Squamata Parsons)	18-24 in.	5 ft.	One of the best, good winter cover.
Pfitzer Juniper	Juniperus chinensis 'Pfitzeriana'	6-8 ft.	6 ft.	Needs room.
Prince of Wales Juniper	Juniperus horizontalis 'Prince of Wales'	8-10 in.	4 ft.	Featherly appearance.
Sargent Juniper	Juniperus chinensis 'Sargentii'	1-2 ft.	5 ft.	Full sun. Needs good drainage. Good winter color.
Shore Juniper	Juniperus conferta	2-3 ft.	5 ft.	Emerald Sea or Blue Pacific cultivars are spreads.
Liriopse	Liriopse muscari	8-10 in.	3 ft.	
Creeeping Liriopse	Liriopse spicata	10-12 in.	1 ft.	Grows by runners.
Big Leaf Periwinkle	Vinca major	12-15 in.	4 ft.	Lilac flowers in spring. Semi-shade.
Common Periwinkle	Vinca minor	5-6 in.	4 ft.	Lavender-blue flowers in spring. Semi-shade.
Chester Rose	Rosa laevigata	2 ft.	5 ft.	Rampant grower. Not for restricted spaces.
Memoria Rose	Rosa wichuriana	2 ft.	5 ft.	Rampant grower.
St. Johnswort	Hypericum calycinum	8-12 in.	3 ft.	Semi-shade.
Anthony Waterer Spirea	Spiraea bumalda	3-4 ft.	5 ft.	Sun.
Thunberg Spirea	Spiraea thunbergii	3-4 ft.	5 ft.	Sun.

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

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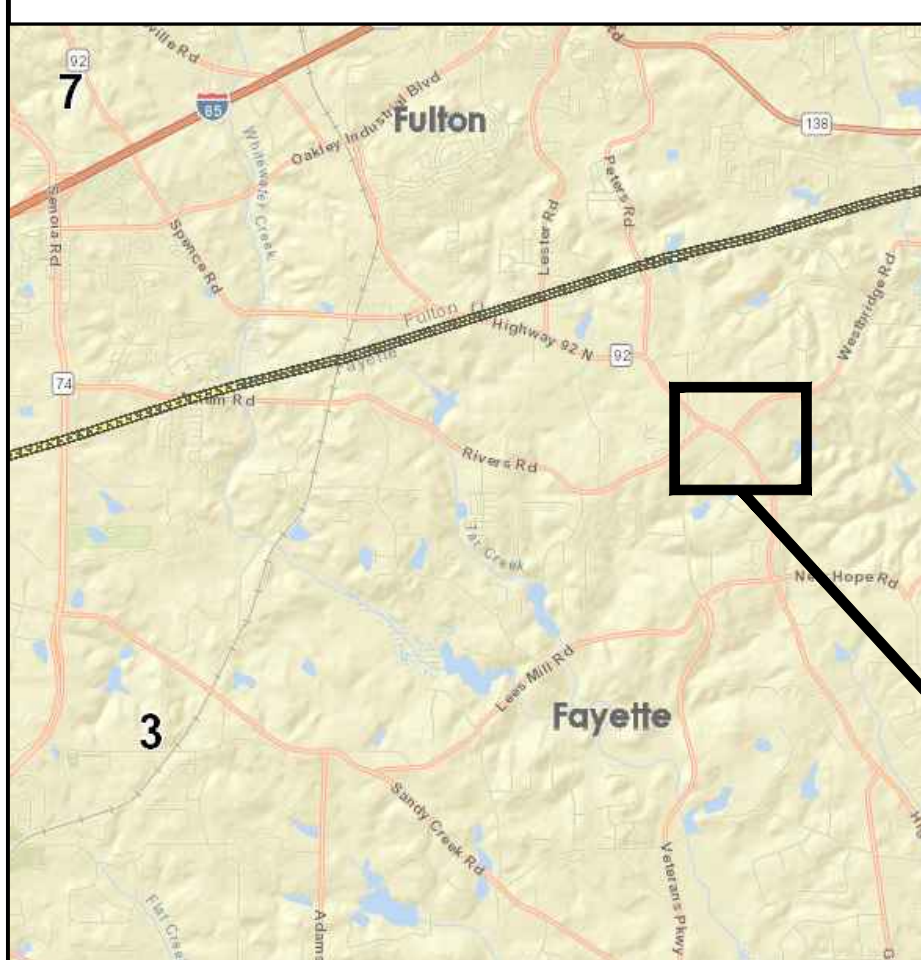
REVISION DATES	FAYETTE COUNTY VETERANS PARKWAY AT SR 92 DRAWING NO. 56-01
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<p>CROY</p> <p>200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413 MARIETTA, GA 30062 PHONE: (770) 971-5407 FAX: (770) 971-0620</p> <p><small>THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER 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.</small></p>	REVISION DATES [Empty table for revision dates]	FAYETTE COUNTY VETERANS PARKWAY AT SR 92	DRAWING NO. 56-02
	ESPCP CONSTRUCTION DETAILS		

LOCATION SKETCH



PROJECT LOCATION

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. 13TH.
 LAND LOTS: 256
 LAND DISTRICT: 13
 GMD: ###

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

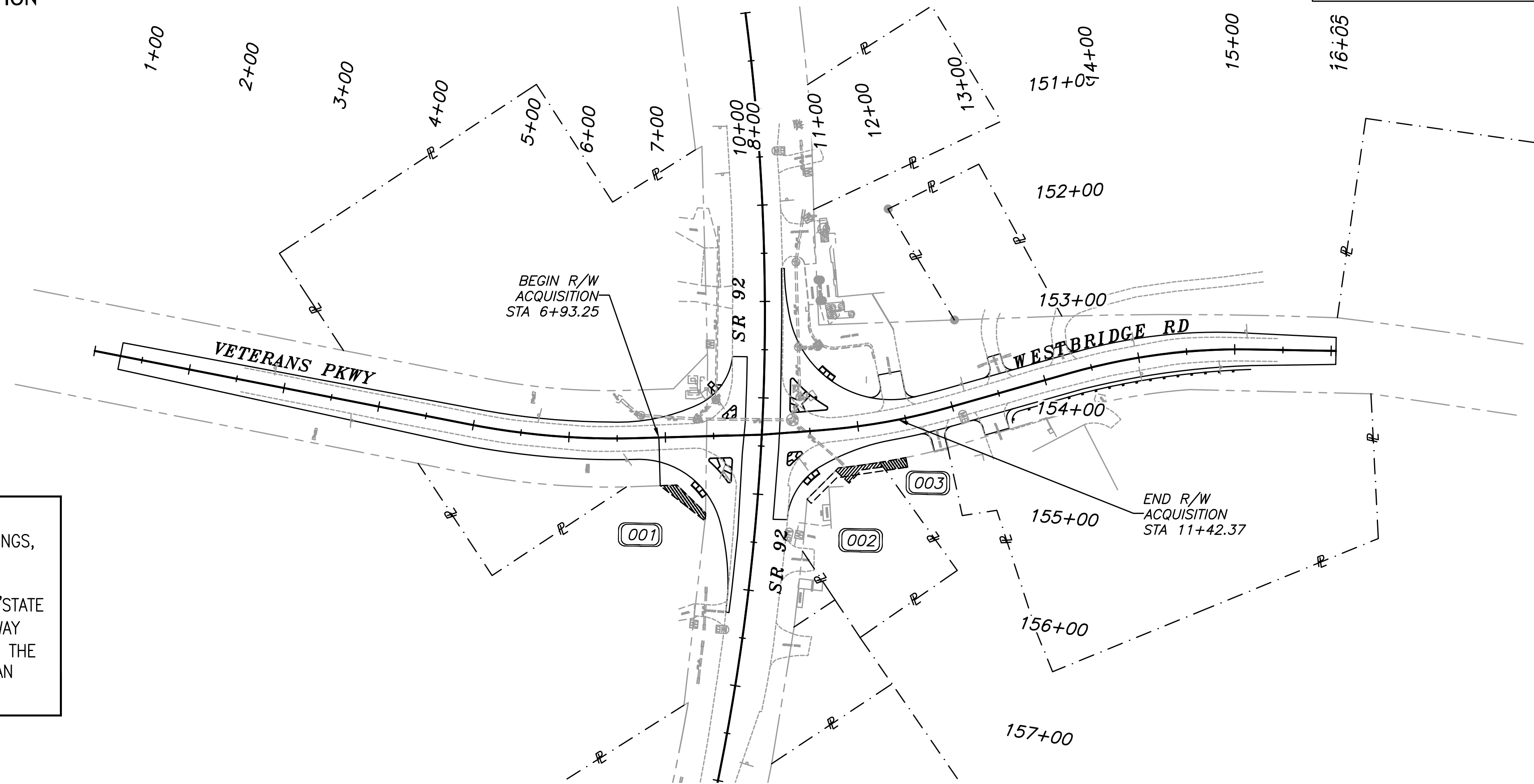
NOTE:
 PROJECT TO BE CONSTRUCTED AS PER GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, 2013 EDITION, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION AND MODIFIED BY CONTRACT DOCUMENTS.

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 OF PROPOSED VETERANS PARKWAY AT SR 92

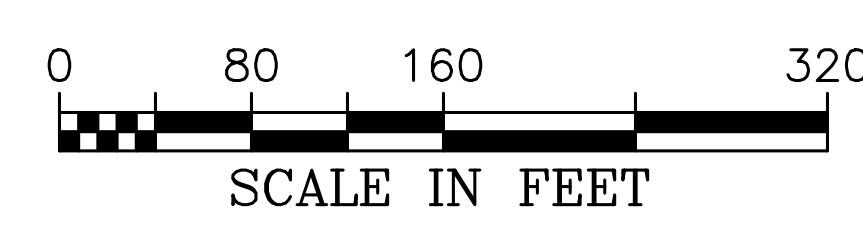
PROJECT NO. 1866.019



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	-----	

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

LENGTH OF PROJECT	COUNTY NO.
	113
	MILES
NET LENGTH OF ROADWAY	0.25
NET LENGTH OF BRIDGES	0.00
NET LENGTH OF PROJECT	0.25
NET LENGTH OF EXCEPTIONS	0.00
GROSS LENGTH OF PROJECT	0.25



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

PLANS COMPLETED: 07/26/2019

REVISIONS	
09/05/2019	CHANGED PARCEL 002 EASEMENT

PARCEL 1 REQ'D TEMP. EASMT.

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
SV2	49.80 R	7+10.72	VETERANS PKWY
SV3	79.51 R	7+39.48	VETERANS PKWY
SV4	82.92 R	7+39.34	VETERANS PKWY
DE1052	87.70 R	7+38.67	VETERANS PKWY
DE1051	49.95 R	6+93.25	VETERANS PKWY
SV2	49.80 R	7+10.72	VETERANS PKWY

REQD EASMT = 463.64 SF
REQD EASMT = 0.011 ACRES

PARCEL 2 REQ'D PERM. EASMT.

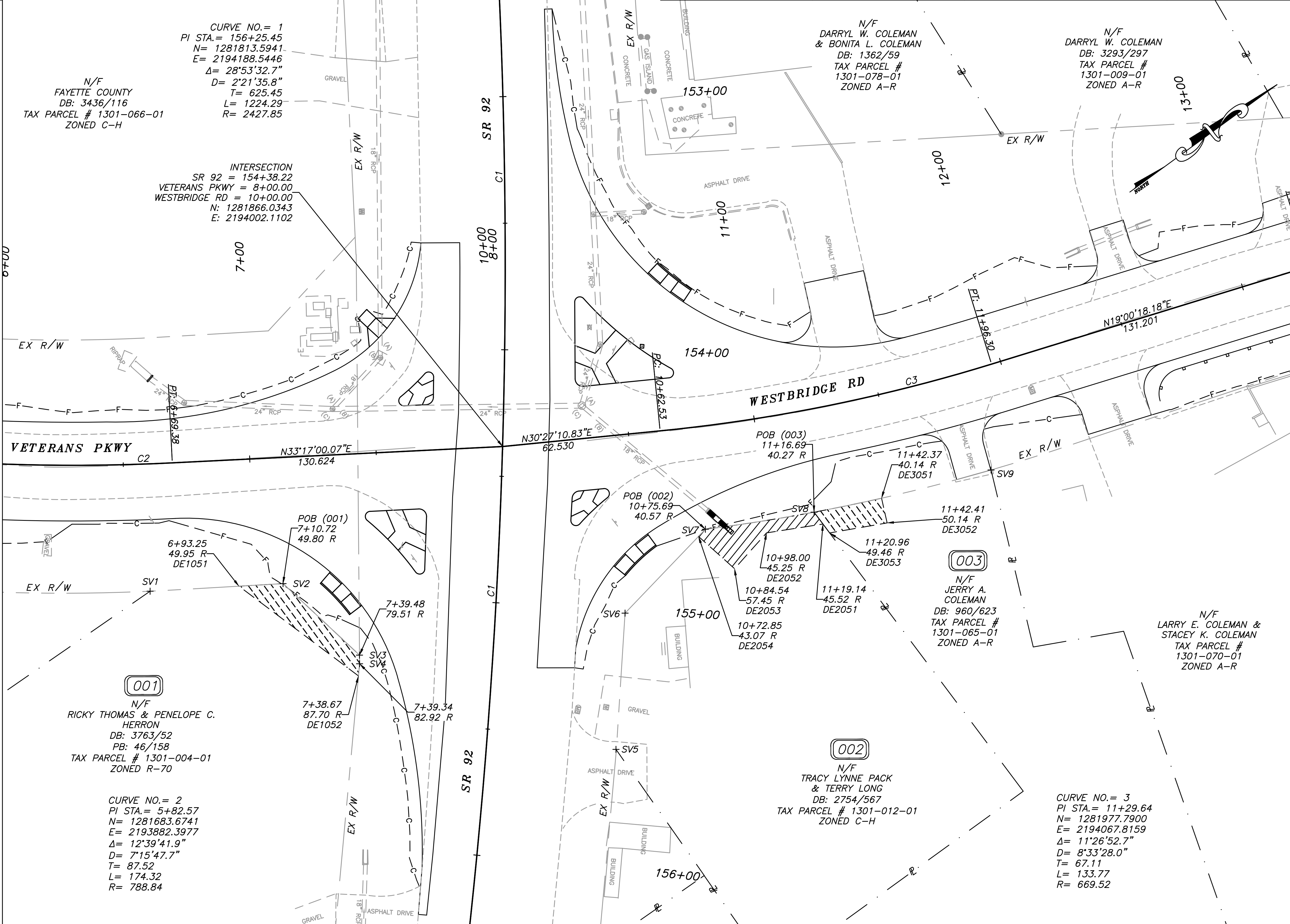
PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
SV7	40.57 R	10+75.69	WESTBRIDGE RD
ARC LENGTH	= 43.47		
CHORD BEAR	= N 27°10'39.6" E		
LNTH CHORD	= 43.47		
RADIUS	= 740.00		
DEGREE	= 7°44'33.6"		
SV8	40.27 R	11+16.69	WESTBRIDGE RD
DE2051	45.52 R	11+19.14	WESTBRIDGE RD
DE2052	45.25 R	10+98.00	WESTBRIDGE RD
DE2053	57.45 R	10+84.54	WESTBRIDGE RD
DE2054	43.07 R	10+72.85	WESTBRIDGE RD
SV7	40.57 R	10+75.69	WESTBRIDGE RD

REQD EASMT = 378.76 SF
REQD EASMT = 0.009 ACRES

PARCEL 3 REQ'D TEMP. EASMT.

PNT	OFFSET/ DIST	STATION/ BEARING	ALIGNMENT
SV8	40.27 R	11+16.69	WESTBRIDGE RD
ARC LENGTH	= 27.23		
CHORD BEAR	= N 24°26'26.5" E		
LNTH CHORD	= 27.22		
RADIUS	= 740.00		
DEGREE	= 7°44'33.6"		
DE3051	40.14 R	11+42.37	WESTBRIDGE RD
DE3052	50.14 R	11+42.41	WESTBRIDGE RD
DE2051	49.46 R	11+20.96	WESTBRIDGE RD
SV8	40.27 R	11+16.69	WESTBRIDGE RD

REQD EASMT = 239.17 SF
REQD EASMT = 0.006 ACRES

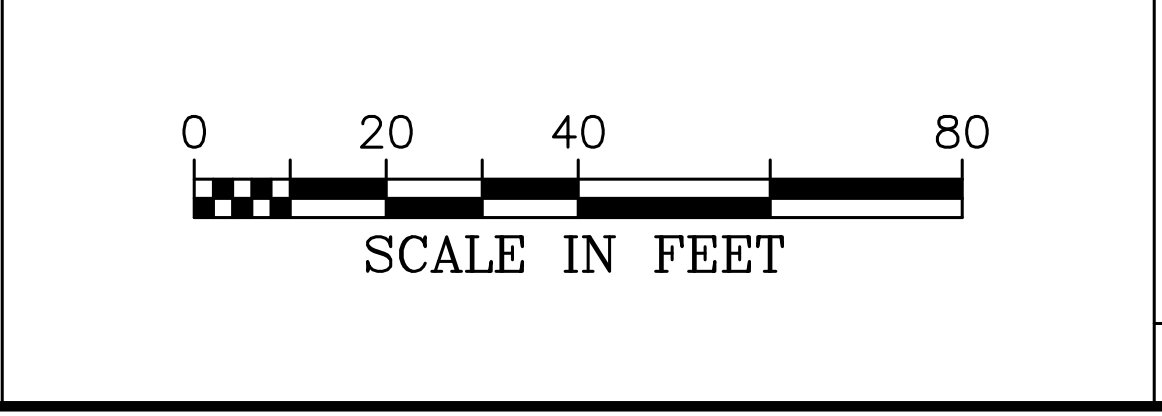


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LEGEND

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	—▽—▽—



CROY

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
 MARIETTA, GA 30062
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REVISION DATES

09/05/2019		

FAYETTE COUNTY

VETERANS PARKWAY AT SR 92

RIGHT OF WAY

DRAWING NO. 60-01