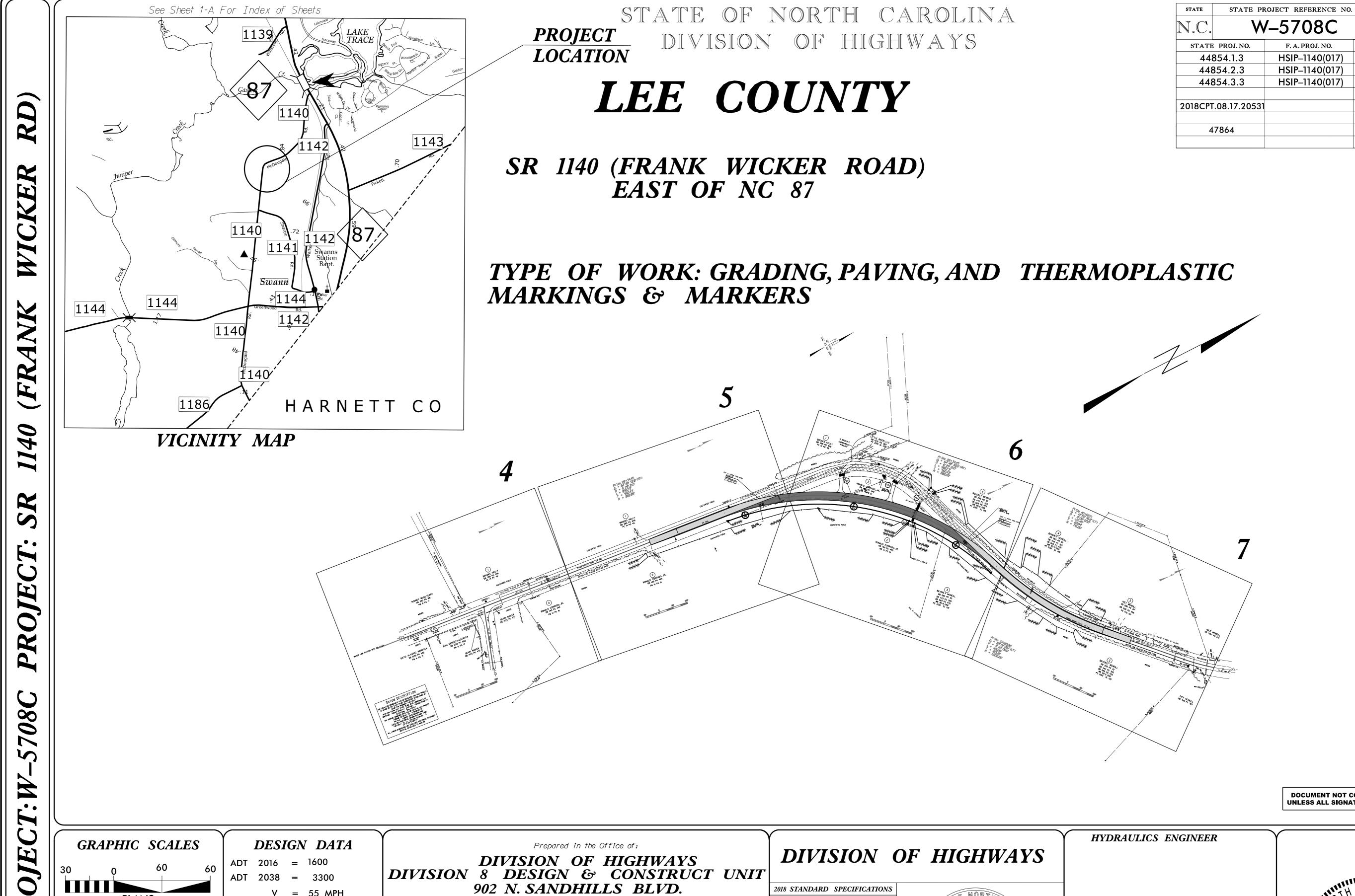
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PLANS

PROFILE (HORIZONTAL)

PROFILE (VERTICAL)

PROJECT LENGTH

ABERDEEN NC 28315

PLANS PREPARED BY: DDC

V = 55 MPH

ROADWAY: 0.34 MILES STRUCTURE: MILES TOTAL: <u>0.34</u> MILES

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE: May 22, 2018

SIGNATURE: **DIVISION DESIGN ENGINEER**

Greg S. Davis

SIGNATURE:

5/3/2018

F. A. PROJ. NO.

HSIP-1140(017)

HSIP-1140(017)

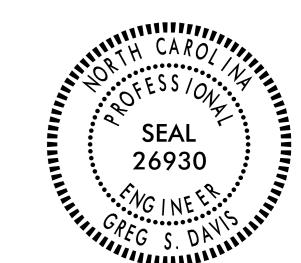
HSIP-1140(017)

DESCRIPTION

CONST

RESURFACING

WIDENING



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

INDEX OF SHEETS

SHEET NUMBER	SHEET
1	- TITLE SHEET
1–A	- INDEX OF SHEETS
1–B	CONVENTIONAL SYMBOLS
1–C	SURVEY CONTROL
2	TYPICAL SECTIONS
3 THRU 3-A	SUMMARY OF QUANTITIES
3–B	SUMMARY OF EARTHWORKS, ETC.
3–C	LIST OF PIPES, ETC.
4 THRU 7	W-5708C PLAN SHEETS
8	W-5708C PROFILE SHEET
9 THRU 11	RESURFACING MAP & TYPICALS
TMP-1 THRU TMP-7	TRAFFIC MANAGEMENT PLANS
PM-1 THRU PM-3	W-5708C PAVEMENT MARKING PLANS
EC-1 THRU EC-6	W-5708C EROSION CONTROL PLANS
X–A	CROSS-SECTION SUMMARY
X–1 THRU X–33	W-5708C CROSS-SECTIONS -L-

GENERAL NOTES

GRADING AND SURFACING OR RESURFACING AND WIDENING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. WHERE NO GRADE LINES ARE SHOWN, THE PROFILES SHOWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMENT ALONG THE CENTER LINE OF SURVEY ON WHICH THE PROPOSED RESURFACING WILL BE PLACED. GRADE LINES MAY BE ADJUSTED BY THE ENGINEER IN ORDER TO SECURE THE PROPER TIE-IN.

CLEARING

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

SHOULDER CONSTRUCTION:

ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01.

UTILITIES

ANY RELOCATION OF EXISTING UTILITIES, WILL BE ACCOMPLISHED BY OTHERS PRIOR TO THE DATE OF AVAILABILITY.

2012 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch – N. C. Department of Transportation – Raleigh, N. C., Dated January 2018 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO.	TITLE
200.03	Method of Clearing – Method III
225.02	Guide for Grading Subgrade – Secondary and Local
225.04	Method of Obtaining Superelevation — Two Lane Pavement
225.04	Method of Obtaining Superelevation — Two Lane Pavement
300.01	Method of Pipe Installation
560.01	Method of Shoulder Construction – High Side of Superelevated Curve – Method I
560.02	Method of Shoulder Construction – High Side of Superelevated Curve – Method II
840.31	Concrete Junction Box
840.54	Manhole Frame and Cover
876.02	Guide for Rip Rap at Pipe Outlets

2018CPT.08.17.20531 1-A 44854.3.3, 47864 26930 Greg S. Davis 5/21/2018 DIVISION DESIGN / CONSTRUCT ENGINEER

DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETED

SHEET NO.

PROJECT REFERENCE NO.

T REFERENCE NO.	SHEET N
′−5708C	I−B

E.O.I.

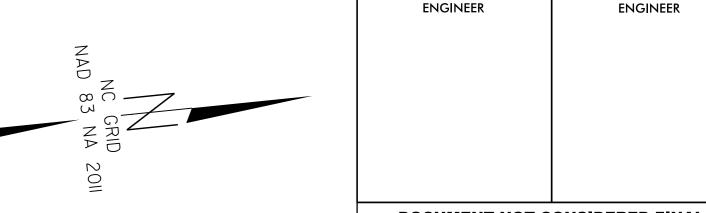
CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY.	•	Note: Not to S	Scale *S
State Line		RAILROADS:	
County Line		Standard Gauge	CSX TRANSPORTATION
Township Line		RR Signal Milepost	MILEPOST 35
City Line		Switch —	SWIT CH
Reservation Line		RR Abandoned	
Property Line		RR Dismantled	
Existing Iron Pin			
Computed Property Corner	×	RIGHT OF WAY & PROJECT CO	DNTROL:
Property Monument		Secondary Horiz and Vert Control Point ——	•
Parcel/Sequence Number		Primary Horiz Control Point	
Existing Fence Line	•	Primary Horiz and Vert Control Point	•
Proposed Woven Wire Fence		Exist Permanent Easment Pin and Cap ———	\diamondsuit
		New Permanent Easement Pin and Cap —	♦
Proposed Barbed Wire Fence		Vertical Benchmark	
Existing Wetland Boundary		Existing Right of Way Marker	\triangle
Proposed Wetland Boundary —		Existing Right of Way Line	
Existing Endangered Animal Boundary ——		New Right of Way Line	$\frac{R}{W}$
	EPB	New Right of Way Line with Pin and Cap—	$\frac{R}{W}$
Existing Endangered Fram Boomadry	HPB		w –
Known Contamination Area: Soil		New Right of Way Line with Concrete or Granite R/W Marker	-
Potential Contamination Area: Soil		New Control of Access Line with	
Known Contamination Area: Water		Concrete C/A Marker	A A
		Existing Control of Access	——————————————————————————————————————
Potential Contamination Area: Water		New Control of Access	
Contaminated Site: Known or Potential		Existing Easement Line ————————————————————————————————————	——Е——
BUILDINGS AND OTHER CULT	IURE:	New Temporary Construction Easement –	——Е——
Gas Pump Vent or U/G Tank Cap	<u> </u>	New Temporary Drainage Easement ——	TDE
Sign —		New Permanent Drainage Easement ——	PDE
Well —	<u> </u>	New Permanent Drainage / Utility Easement	DUE
Small Mine	— × ——	New Permanent Utility Easement ————	PUE
Foundation ————————————————————————————————————		New Temporary Utility Easement ————	TUE
Area Outline		New Aerial Utility Easement —————	AUE
Cemetery			
Building —		ROADS AND RELATED FEATUR	ES:
School		Existing Edge of Pavement	
Church		Existing Curb	
Dam —		Proposed Slope Stakes Cut	<u>C</u>
HYDROLOGY:		Proposed Slope Stakes Fill	
Stream or Body of Water —		Proposed Curb Ramp	CR
Hydro, Pool or Reservoir ————————————————————————————————————		Existing Metal Guardrail	
Jurisdictional Stream	Js	Proposed Guardrail ——————	
Buffer Zone 1		Existing Cable Guiderail	
Buffer Zone 2	— BZ 2 ——	Proposed Cable Guiderail	
Flow Arrow		Equality Symbol	
Disappearing Stream ————————————————————————————————————		Pavement Removal	
Spring —	-0	VEGETATION:	,
Wetland		Single Tree	·
Proposed Lateral, Tail, Head Ditch	FLOW	Single Tree Single Shrub	- \$
False Sump —	-		~

Hodgo —	0000000	Water Manhole ——
neage		Water Meter
Woods Line		Water Valve
Orchard	☆ ☆ ☆ ☆	Water Hydrant ——
Vineyard	Vineyard	U/G Water Line LOS
EXISTING STRUCTURES:		U/G Water Line LOS
MAJOR:		U/G Water Line LOS
Bridge, Tunnel or Box Culvert [CONC	Above Ground Wate
Bridge Wing Wall, Head Wall and End Wall —) CONC WW (
MINOR:		TV: TV Pedestal ———
Head and End Wall	CONC HW	TV Tower —
Pipe Culvert		U/G TV Cable Hand
Footbridge		U/G TV Cable LOS
Drainage Box: Catch Basin, DI or JB	СВ	U/G TV Cable LOS
Paved Ditch Gutter		U/G TV Cable LOS
Storm Sewer Manhole —————	S	
Storm Sewer —	s	U/G Fiber Optic Cal
UTILITIES:		U/G Fiber Optic Cal
POWER:		U/G Fiber Optic Cak
Existing Power Pole ————	•	GAS:
Proposed Power Pole —	4	Gas Valve
Existing Joint Use Pole	<u> </u>	Gas Meter
Proposed Joint Use Pole	- \$-	U/G Gas Line LOS
Power Manhole ————	P	U/G Gas Line LOS
Power Line Tower —		U/G Gas Line LOS
Power Transformer ———————————————————————————————————	\square	Above Ground Gas
U/G Power Cable Hand Hole		SANITARY SEWER:
H-Frame Pole	•—•	Sanitary Sewer Manh
U/G Power Line LOS B (S.U.E.*)		Sanitary Sewer Clear
U/G Power Line LOS C (S.U.E.*)		U/G Sanitary Sewer
U/G Power Line LOS D (S.U.E.*)		Above Ground Sanit
		SS Forced Main Line
TELEPHONE:		SS Forced Main Line
Existing Telephone Pole	-•-	SS Forced Main Line
Proposed Telephone Pole	-0-	
Telephone Manhole	\bigcirc	MISCELLANEOUS:
Telephone Pedestal ————	\Box	Utility Pole ———
Telephone Cell Tower —	,	Utility Pole with Bas
U/G Telephone Cable Hand Hole ———	H _H	Utility Located Object
U/G Telephone Cable LOS B (S.U.E.*)	t	Utility Traffic Signal E
U/G Telephone Cable LOS C (S.U.E.*)		Utility Unknown U/G
U/G Telephone Cable LOS D (S.U.E.*)		U/G Tank; Water, G
U/G Telephone Conduit LOS B (S.U.E.*)		Underground Storag
U/G Telephone Conduit LOS C (S.U.E.*)		A/G Tank; Water, Go
U/G Telephone Conduit LOS D (S.U.E.*)		Geoenvironmental Bo
U/G Fiber Optics Cable LOS B (S.U.E.*)		U/G Test Hole LOS
U/G Fiber Optics Cable LOS C (S.U.E.*)		Abandoned Accordin
U/G Fiber Optics Cable LOS D (S.U.E.*)		End of Information —

WATER:	
Water Manhole	
Water Meter	
Water Valve	
Water Hydrant	
U/G Water Line LOS B (S.U.E*)	
U/G Water Line LOS C (S.U.E*)	
U/G Water Line LOS D (S.U.E*)	
Above Ground Water Line	A/G Water
TV:	
TV Pedestal	
TV Tower	\otimes
U/G TV Cable Hand Hole	H _H
U/G TV Cable LOS B (S.U.E.*)	тv
U/G TV Cable LOS C (S.U.E.*)	
U/G TV Cable LOS D (S.U.E.*)	. ————TV———
U/G Fiber Optic Cable LOS B (S.U.E.*)	TV FO
U/G Fiber Optic Cable LOS C (S.U.E.*)	
U/G Fiber Optic Cable LOS D (S.U.E.*)	TV F0-
GAS:	
Gas Valve	\Diamond
Gas Meter	\Leftrightarrow
U/G Gas Line LOS B (S.U.E.*)	
U/G Gas Line LOS C (S.U.E.*)	
U/G Gas Line LOS D (S.U.E.*)	c
Above Ground Gas Line	A/G Gas
SANITARY SEWER:	
Sanitary Sewer Manhole	. (1)
Sanitary Sewer Cleanout ————————————————————————————————————	
U/G Sanitary Sewer Line ————————————————————————————————————	·
Above Ground Sanitary Sewer —	
SS Forced Main Line LOS B (S.U.E.*)	
SS Forced Main Line LOS C (S.U.E.*)	
SS Forced Main Line LOS D (S.U.E.*)	
MISCELLANEOUS:	
Utility Pole ————————————————————————————————————	•
Utility Pole with Base ————————————————————————————————————	_
Utility Located Object ————————————————————————————————————	•
Utility Traffic Signal Box ———————————————————————————————————	S
Utility Unknown U/G Line LOS B (S.U.E.*)	
U/G Tank; Water, Gas, Oil ———————————————————————————————————	
Underground Storage Tank, Approx. Loc. ——	UST
A/G Tank; Water, Gas, Oil ———————————————————————————————————	
Geoenvironmental Boring	•
U/G Test Hole LOS A (S.U.E.*)	_
Abandoned According to Utility Records ——	AATUR

SURVEY CONTROL SHEET



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT REFERENCE NO.

W-5708C

ROADWAY DESIGN

SHEET NO.

PAVEMENT DESIGN

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE NAD83/NA 2011 STATE PLANE COORDINATES FOR THE NCDOT GPS MONUMENT "SR1140-1" WITH A NORTHING: 596564.6180, EASTING: 1964966.3180.
THE AVERAGE COMBINED FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS

ALL LINEAR DISTANCES ARE LOCALIZED HORIZONTAL DISTANCES.
THE VERTICAL DATUM IS BASED ON NCDOT MONUMENT "SR1114-1"(ELEV. 359.759')(NAVD 88).

TIE LINE: BEARING AND DISTANCE FROM NCDOT MONUMENT "SR1140-1" TO BL-101 N 7° 53' 37.3" E Distance 1,420.51'

NCDOT GPS CONTROL MONUMENTS LOCALIZED

SR1140-1 596564.6180 1964966.3180 359.759' SR1140-2 597449.7040 1965056.5170 359.063'	Point	North	East	Elevation		
	SR1140-1 SR1140-2	596564.6180 597449.7040	1964966 1965056	6.3180 6.5170	359.063'	

Chain BL Contains:

1 (SR1140-1) N 596564.6180 E 1964966.3180 ELEV 359.76 STA 5+00.00

Course from 1 to 2 N 5^49'8.1" E Dist 889.67

2 (SR1140-2) N 597449.7040 E 1965056.5170 ELEV 359.06 STA 13+89.67

101 (BL-101) N 597971.6730 E 1965161.4050 ELEV 354.96 STA 19+22.07

Course from 2 to 101 N 11²1'43.5" E Dist 532.40

Course from 101 to 102 N 67^30'21.7" E Dist 800.71

102 (BL-102) N 598278.0140 E 1965901.1980 ELEV 354.56 STA 27+22.78

Course from 102 to 103 N 48^2'26.3" E Dist 477.54

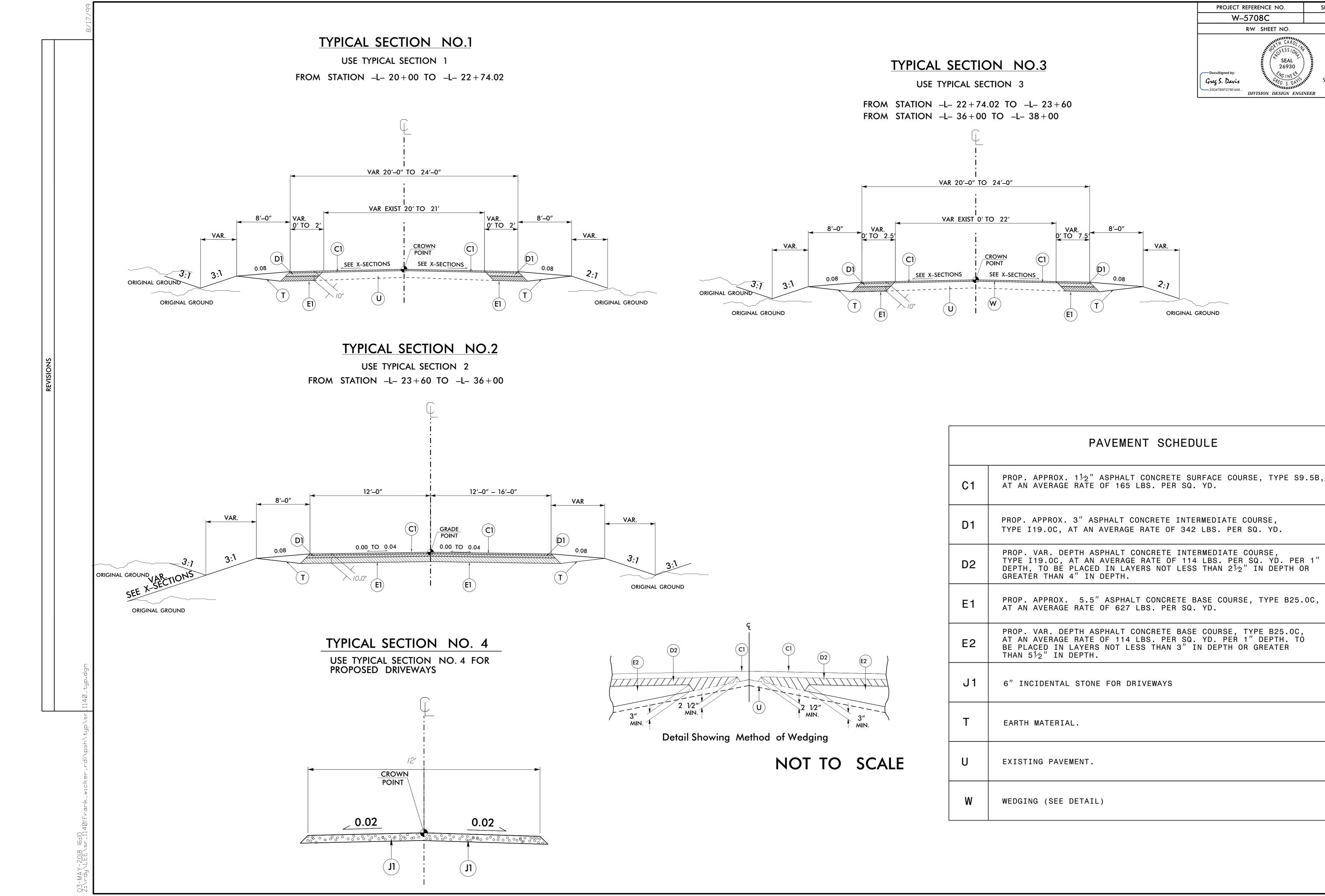
103 (BL-103) N 598597.2990 E 1966256.3060 ELEV 341.59 STA 32+00.32

Point# North(Y)	East(X) E	lev(Z) Desc	cription
596564.6180 597449.7040 101 597971.6730 102 598278.0140 103 598597.2990	1965056.5170 1965161.4050 1965901.1980	359.0630 354.9600 354.5600	Desc=SR1140-1 Desc=SR1140-2 Desc=BL-101 Desc=BL-102 Desc=BL-103

IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "SR1140-1" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 596564.6180(ft) EASTING: 1964966.3180(ft) ELEVATION: 359.759(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.9998632734 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "SR1140-1" TO -L- STATION 10+00.00 IS S3°43'55"W 404.74' ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES

NOT TO SCALE

_____ DATUM DESCRIPTION THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT VERTICAL DATUM USED IS NAVD 88



W-5708C R/W SHEET NO. Greg S. Davis

DIVISION DESIGN ENGINEER

SHEET NO.

PROJECT REFERENCE NO.

PROJECT NO.	SHEET NO.	TOTAL NO.
2018CPT.08.17.20531	3	
44854.3.3 (W-5708C) 47864,		

SUMMARY OF QUANTITIES

									0036000000-Е	0043000000-N	0195000000-E	0196000000-Е	0318000000-Е	032000000-Е	034300000-Е	0448400000-E	122000000-Е	1245000000-E	126000000-E	1308000000-E	133000000-E	1491000000-E	1503000000-E	1519000000-E	1575000000-E	1704000000-E
PROJECT NO COUNTY MAP NO ROUTE		DESCRIPTION	TYP NO	LANES LAN	E FINAL	WARM MIX	X LENGTH	WIDTH	UNDERCUT	GRADING	SELECT	GEOTEXTILE FOR	FOUNDATION	FOUNDATION	15" SIDE DRAIN	24" RC PIPE	INCIDENTAL STON	E SHOULDER	AGGREGATE	1.5" TO 4.5"	INCIDENTAL	BASE COURSE,	, INTERMEDIATE	SURFACE	ASPHALT	PATCHING
				ТҮРІ	E SURFACE	ASPHALT			EXCAVATION		GRANULAR	SOIL	CONDITIONING	CONDITIONING	PIPE	CULVERTS,	BASE	RECONSTRUCT	SHOULDER	MILLING	MILLING	B25.0C	COURSE, I19.0C	COURSE, S9.5B	BINDER FOR	EXISTING
					TESTING	REQUIRED					MATERIAL	STABILIZATION	MATERIAL, MINOR	GEOTEXTILE		CLASS IV		ON	BORROW						PLANT MIX	PAVEMENT
					REQUIRE								STRUCTURES													
							MI	FT	CY	LS	CY	SY	TON	SY	LF	LF	TONS	SMI	TON	SY	SY	TONS	TONS	TONS	TONS	TONS
	FROI	M SR 1001 (LEMON SPRINGS RD)																								
2018CPT.08.17.20531 Lee 1 SR 1146 ST(ANDREWS	CHURCH RD)	TO SR 1133 (LEE AVENUE)	5	2 2WL	J NO	NO	1.61	22										3.22			300			1,890	113	150
TOTAL FOR MAP NO. 1							1.61											3.22			300			1,890	113	150
	FRO	M BRIDGE TO SR 1144 (SWANNS																								
2018CPT.08.17.20531 Lee 2 SR 1146 (ST ANDREWS	CHURCH RD)	STATION RD)	6	2 2WU	J NO	NO	1.66	22										3.32	60		500			1,625	98	100
TOTAL FOR MAP NO. 2							1.66											3.32	60		500			1,625	98	100
2018CPT.08.17.20531 Lee 3 SR 1139 (WINSTEA	AD ROAD)	FROM NC 87 TO DEAD END	6	2 2WU	Ј ИО	NO	0.25	18										0.50						245	15	50
TOTAL FOR MAP NO. 3							0.25											0.50						245	15	50
2018CPT.08.17.20531 Lee 4 CAROLINA TRA	CE FD FIF	RE DEPARTMENT PARKING LOT	8	2 2WL	Ј ИО	NO	0.023	55												740			65	65	7	
TOTAL FOR MAP NO. 4							0.023													740			65	65	7	
TOTAL FOR PROJ NO. 2018CPT.08.17.20531							3.543											7.04	60	740	800		65	3,825	233	300
44854.3.3 (W-5708C) Lee 5 SR 1140 (FRANK W	ICKER RD)	CURVE REALIGNMENT	1-4	2 2WL	J NO	NO	0.341	24	400	1	400	1,200	15	35	40	64	200				200	1,010	495	355	91	
TOTAL FOR MAP NO. 5							0.341		400	1	400	1,200	15	35	40	64	200				200	1,010	495	355	91	
1																										
TOTAL FOR PROJ NO. 44854.3.3 (W-5708C)							0.341		400	1	400	1,200	15	35	40	64	200				200	1,010	495	355	91	
	FRO	M SR 1001 (EDWARDS RD) TO SR																								
47864 Lee 6 SR 1160 (LEMON SF	PRINGS RD	1150 (CASTLEBERRY RD)	7	2 2WU	Ј ИО	NO	0.68	20										1.36	25			435		155	29	
TOTAL FOR MAP NO. 6							0.68											1.36	25			435		155	29	
TOTAL FOR PROJ NO. 47864							0.68											1.36	25			435		155	29	
GRAND TOTAL							4.564		400	1	400	1,200	15	35	40	64	200	8.40	85	740	1,000	1,445	560	4,335	353	300

											2286000000-N	2396000000-N	3649000000-E	3656000000-E	600000000-Е	6006000000-E	6009000000-Е	6012000000-E	6015000000-E	6036000000-E	6042000000-E	6071010000-E	6071020000-E	6071030000-E	6084000000-Е	609000000-E	609300000-Е	6108000000-E
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES LAN	E FINAL	WARM MIX	LENGTH	WIDTH	MASONRY	FRAME WITH	RIP RAP, CLAS	GEOTEXTILE FOR	TEMPORARY SILT	EROSION	EROSION	SEDIMENT	TEMPORARY	MATTING	1/4"	WATTLE	POLYACRYLAMIDE	COIR FIBER	SEED &	SEED FOR	FERTILIZER FOR	FERTILIZER
						TYP	E SURFACE	ASPHALT			DRAINAGE	MH COVER, STI) В	DRAINAGE	FENCE	CONTROL STONE,	CONTROL	CONTROL	MULCHING	(EROSION	HARDWARE		(PAM)	BAFFLES	MULCHING	REPAIR SEEDING	REPAIR SEEDING	TOPDRESSING
							TESTING	REQUIRED			STRUCTURE	840.54				CLASS A	STONE, CLASS B	STONE		CONTROL)	CLOTH						1	1
							REQUIRED																				<u> </u>	
									MI	FT	EA	EA	TON	SY	LF	TON	TON	TON	ACR	SY	LF	LF	LB	LF	AC	LB	TON	TON
				FROM SR 1001 (LEMON SPRINGS RD)																						1	1
2018CPT.08.17.20531	Lee	1	SR 1146 ST(ANDREWS CHURCH RD)	TO SR 1133 (LEE AVENUE)	5	2 2WI	U NO	NO	1.61	22					160							30			2.35		<u> </u>	<u> </u>
	TOT	TAL FOR MA							1.61						160							30			2.35		<u> </u>	
				FROM BRIDGE TO SR 1144 (SWANNS	5																						1	1
2018CPT.08.17.20531	Lee	2	SR 1146 (ST ANDREWS CHURCH RD)	STATION RD)	6	2 2Wl	U NO	NO	1.66	22					165							30			2.42		<u> </u>	
	TOT	TAL FOR MA	AP NO. 2						1.66						165							30			2.42			1
2018CPT.08.17.20531	Lee	3	SR 1139 (WINSTEAD ROAD)	FROM NC 87 TO DEAD END	6	2 2Wl	U NO	NO	0.25	18					25							10			0.37		<u> </u>	
	TOT	TAL FOR MA	AP NO. 3						0.25						25							10			0.37		<u> </u>	
2018CPT.08.17.20531	Lee	4	CAROLINA TRACE FD	FIRE DEPARTMENT PARKING LOT	8	2 2Wl	U NO	NO	0.023	55																		<u> </u>
	TOT	TAL FOR MA	AP NO. 4						0.023																		 '	
TC	 TAL FOR PR		8CPT.08.17.20531						3.543						350							70			5.14			
44854.3.3 (W-5708C)	Lee	5	SR 1140 (FRANK WICKER RD)	CURVE REALIGNMENT	1-4	2 2WI	J NO	NO	0.341	24	1	1	5	14		20	80	50	2.80	1,600	20	180	15	105	2.80	50	0.25	2.00
,		TAL FOR MA							0.341		1	1	5	14		20	80	50	2.80	1,600	20	180	15	105	2.80	50	0.25	2.00
т(TAL FOR PR	ROLNO, 448	354.3.3 (W-5708C)				_		0.341		1	1	5	14		20	80	50	2.80	1.600	20	180	15	105	2.80	50	0.25	2.00
	<u> </u>					† †			0.0.12			_						- 55				200				- 55		
				FROM SR 1001 (EDWARDS RD) TO SF	3	1																						
47864	Lee	6	SR 1160 (LEMON SPRINGS RD	1150 (CASTLEBERRY RD)	7	2 2WI	J NO	NO	0.68	20					70							20			0.66		1	1
	ТОТ	TAL FOR MA	AP NO. 6						0.68						70							20			0.66			
																											<u> </u>	
	TOTAL	L FOR PROJ	NO. 47864						0.68						70							20			0.66		 '	
												_															 '	
		GRAND TO	TAL						4.564		1	1	5	14	420	20	80	50	2.80	1,600	20	270	15	105	8.60	50	0.25	2.00

PROJECT NO.	SHEET NO.	TOTAL NO.
2018CPT.08.17.20531	3-A	
44854.3.3 (W-5708C) 47864,		

THERMOPLASTIC AND PAINT QUANTITIES

				1 11 - 17 141 4	O		• •			D PAIN I	Q 0 1								
										4413000000-E	4457000000-N	4685000000-E	46860	00000-Е	4710000000-E	472100	00000-E	4850000000-E	490000000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES I	LANE	LENGTH	WIDTH	WORK ZONE	TEMPORARY	4" X 90 M	4" X 120 M	4" X 120 M	24" X 120 M	THERMO MSG	THERMO MSG	4" LINE	YELLOW &
						-	TYPE			ADVANCE/GENERAL	TRAFFIC	WHITE	WHITE	YELLOW	WHITE	STOP 120 M	AHEAD 120 M	REMOVAL	YELLOW
										WARNING SIGNING	CONTROL	THERMO	THERMO	THERMO	THERMO				MARKERS
								MI	FT	SF	LS	LF	LF	LF	LF	EA	EA	LF	EA
				FROM SR 1001 (LEMON SPRINGS RD)															
2018CPT.08.17.20531	Lee	1	SR 1146 ST(ANDREWS CHURCH RD)	TO SR 1133 (LEE AVENUE)	5	2	2WU	1.61	22	180		17,325	50	11,150	24	4	5		106
	TO [*]	TAL FOR MA	AP NO. 1					1.61		180		17,325	50	11,150	24	4	5		106
				FROM BRIDGE TO SR 1144 (SWANNS															
2018CPT.08.17.20531	Lee	2	SR 1146 (ST ANDREWS CHURCH RD)	STATION RD)	6	2		1.66	22	185		17,865		10,960					110
	TO [*]	TAL FOR MA	AP NO. 2					1.66		185		17,865		10,960					110
2018CPT.08.17.20531	Lee	3	SR 1139 (WINSTEAD ROAD)	FROM NC 87 TO DEAD END	6	2		0.25	18	28									
	TO [*]	TAL FOR MA	AP NO. 3					0.25		28									
2018CPT.08.17.20531	Lee	4	CAROLINA TRACE FD	FIRE DEPARTMENT PARKING LOT	8	2	2WU	0.023	55										
	TO [*]	TAL FOR MA	AP NO. 4					0.023			*								
TOI	LVI EUD DI	201 NO 20	18CPT.08.17.20531					3.543		393	1	35,190	50	22,110	24	4	5		216
101	IAL FUR PI	NOJ NO. 20.	18CF1:08.17.20531										22,	,160		,	9		
44854.3.3 (W-5708C)	Lee	5	SR 1140 (FRANK WICKER RD)	CURVE REALIGNMENT	1-4	2	2WU	0.341	24	12		3,600		3,600					45
	TO	TAL FOR MA	AP NO. 5					0.341		12	*	3,600		3,600					45
TO	TAL FOR D	ROLNO 44	854.3.3 (W-5708C)					0.341		12	1	3,600		3,600					45
10	IALIONI	1103 110. ++	834.3.3 (VV-3708C)										3,0	600					
				FROM SR 1001 (EDWARDS RD) TO SR															
47864	Lee	6	SR 1160 (LEMON SPRINGS RD	1150 (CASTLEBERRY RD)	7	2	2WU	0.68	20	77		7,180						7,180	
	TO ⁻	TAL FOR MA	AP NO. 6					0.68		77	*	7,180						7,180	
	TOTA	FOR DROI	NO. 47864					0.68		77	1	7,180						7,180	
	IOIA		110. 17001																
					_		-												
		GRAND TO	ΣΤΔΙ					4.564		482	1	45,970	50	25,710	24	4	5	7,180	261
		SIAND IC	, i , , <u>e</u>										25,	,760			9		1

COMPUTED BY:DDC	DATE: <u>4-6-2018</u>	
CHECKED BY:GSD	DATE: <u>4-12-2018</u>	

PROJECT NO. SHEET NO. W-5708C 3-B

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

		II	1		
Station	Station	Uncl. Excav.	Embank. +%	Borrow	Waste
-L- 20+00	-L- 38+00	2027	5356	3329	
EST. 5% TO REPLACE T	 OPSOIL ON BORROW P 	<u> </u> TS 		166	
GRAND	TOTALS:	2027		3495	
SA	λΥ:	2030		3500	

Contingency Undercut = 400 CY

PAVEMIENT REMOVAL SUMMARY

IN SQUARE YARDS

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL
-L-	23+60	36+00	LT	3001.76
		TOTAL:		3001.76
		SAY:		3005

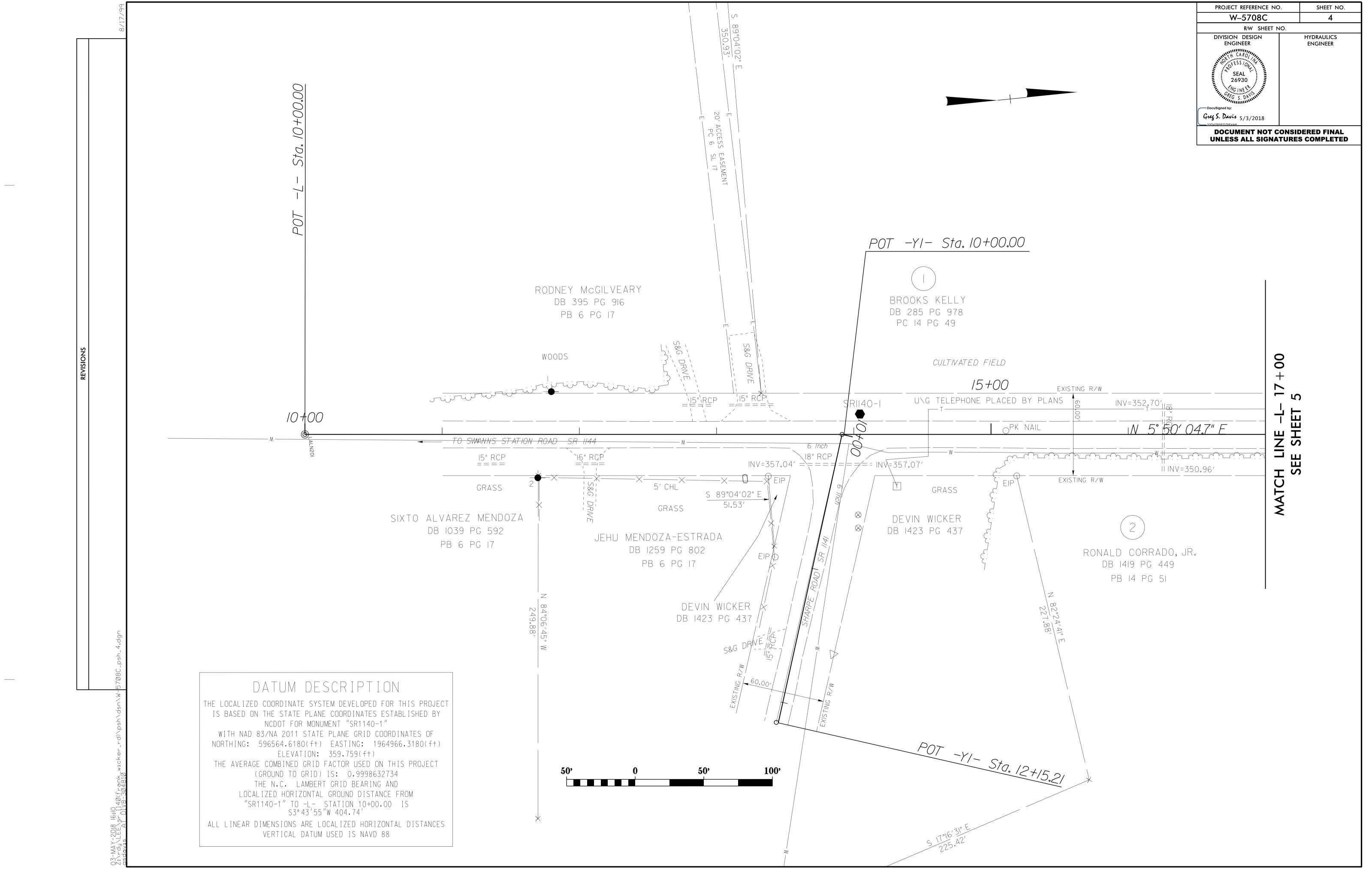
COMPUTED BY:	DDC	DATE:	4/3/2018
CHECKED BY:	GSD	DATE:	4/9/2018

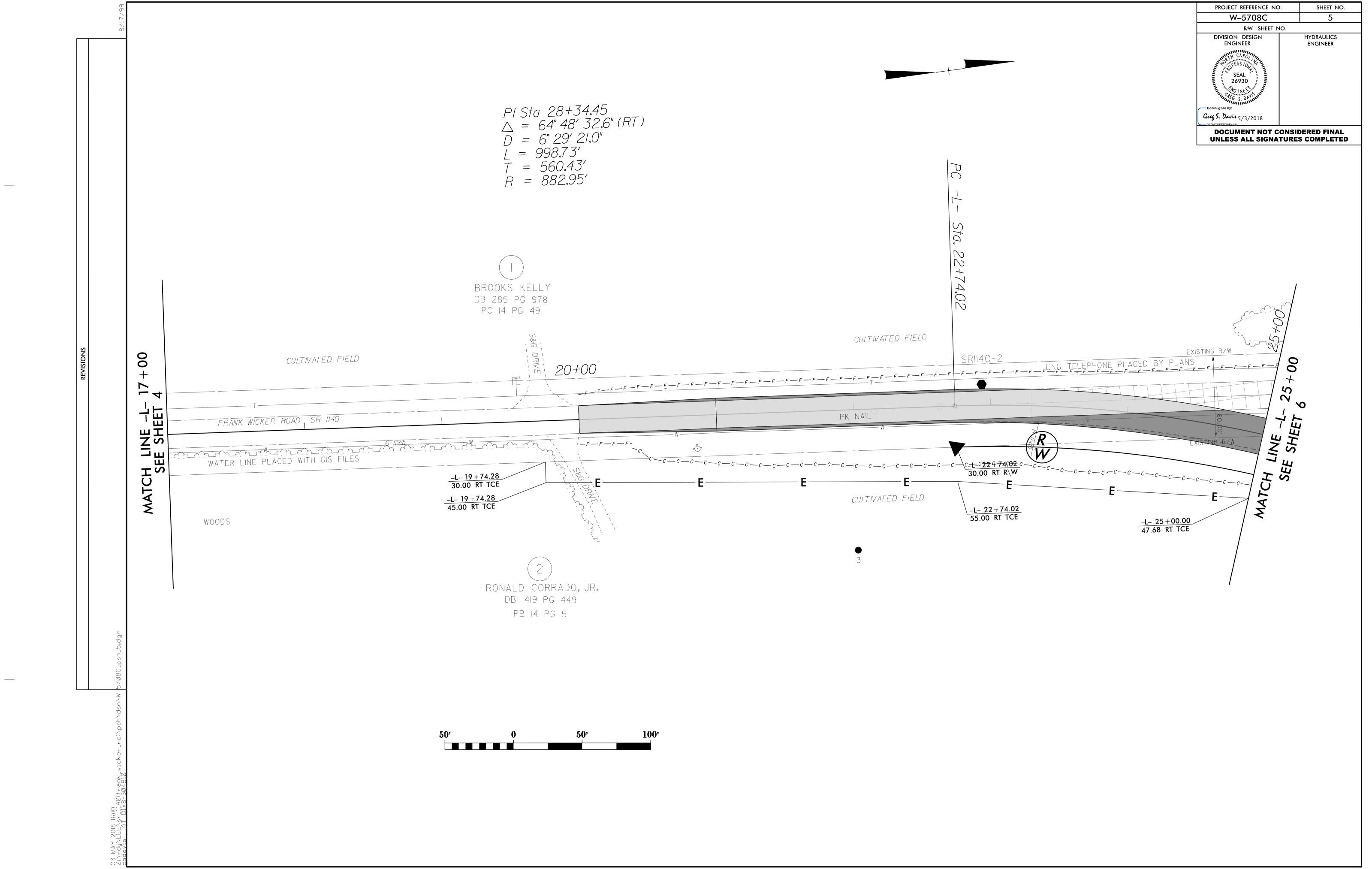
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

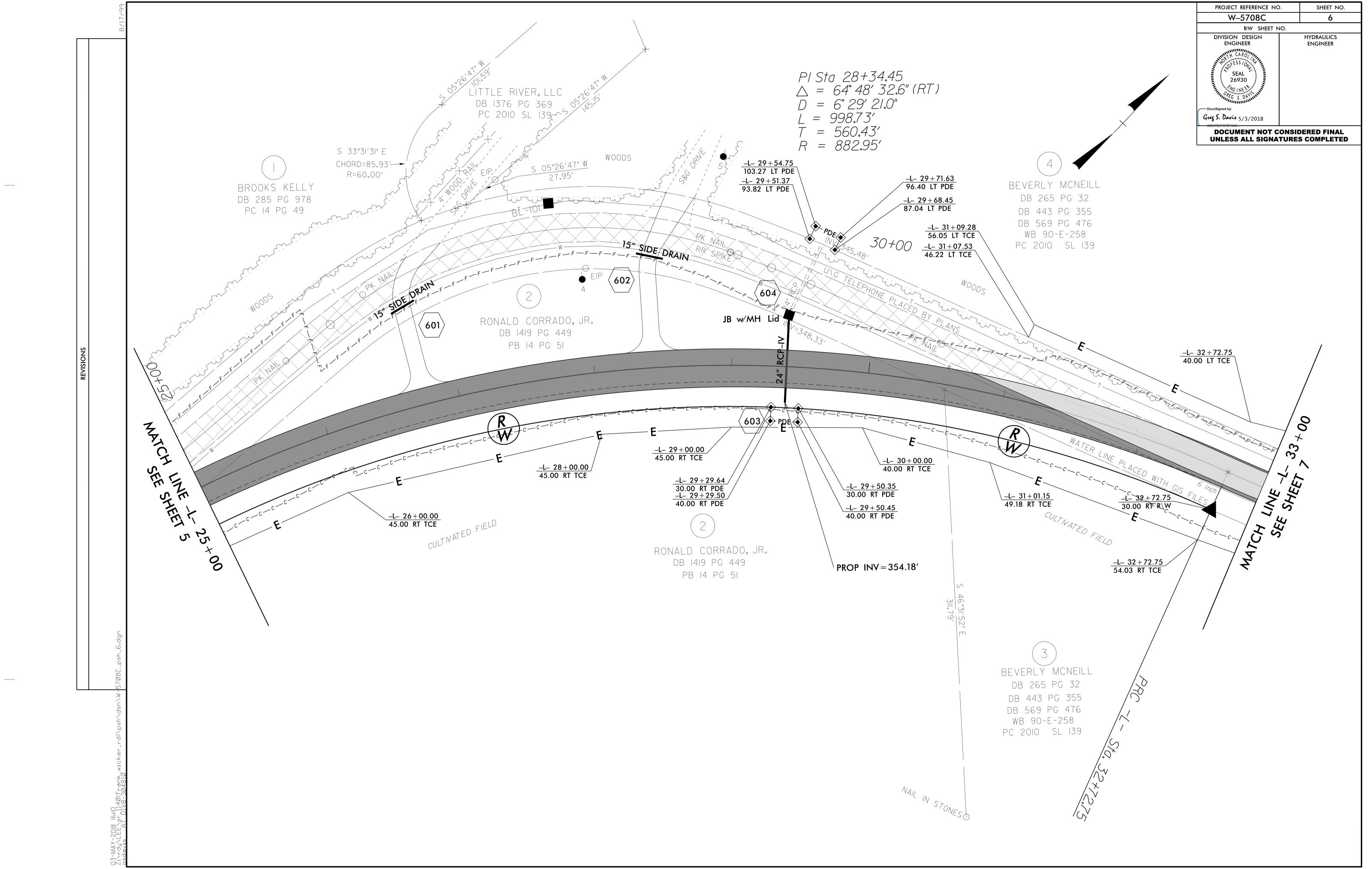
PROJECT NO.	SHEET NO.
W-5708C	3-C

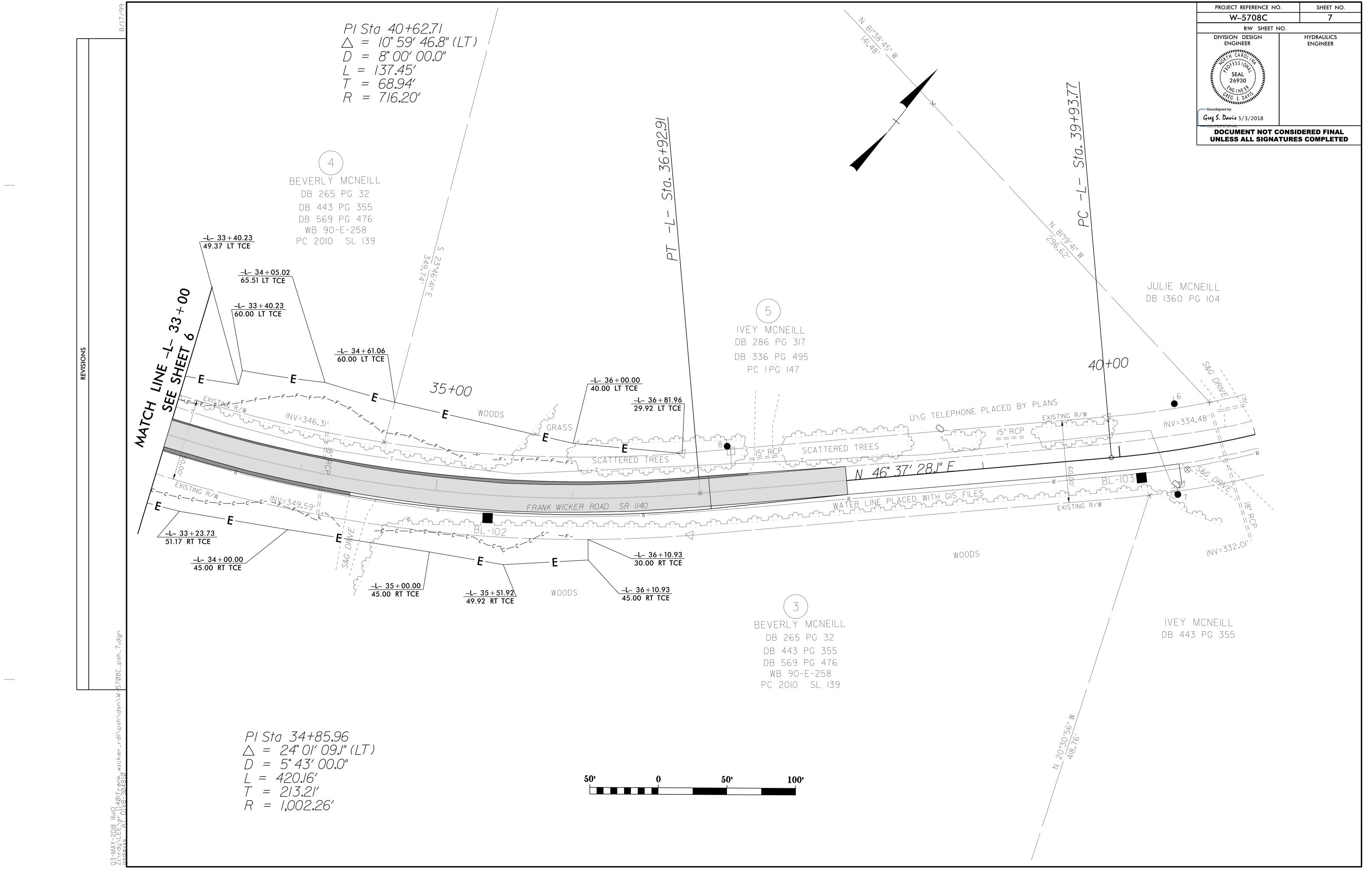
Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout.

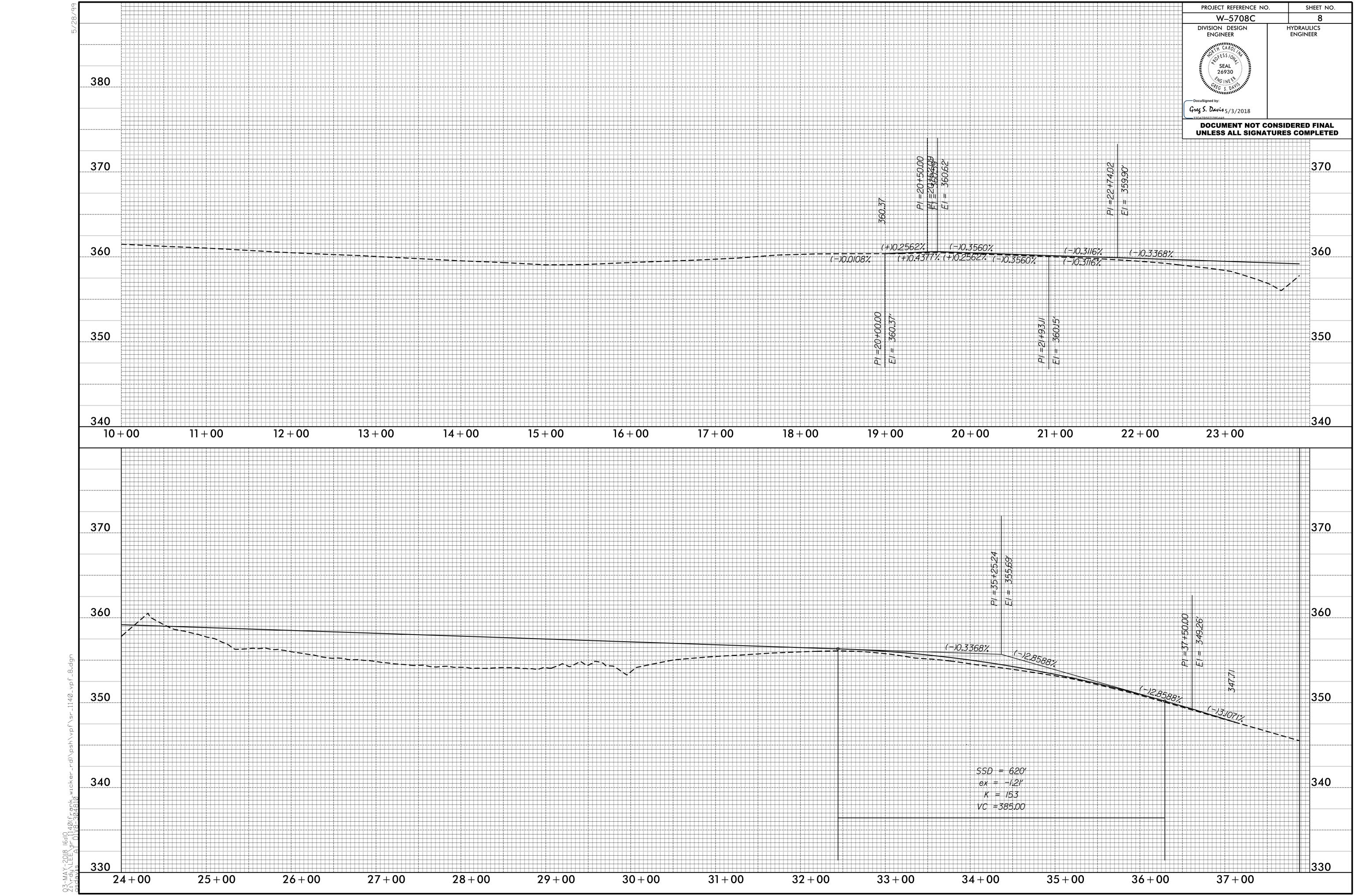
														LIS	ST O)F PI	PES,	EN	DWA	LLS	5, <i>ET</i> (C. (F 0	OR PI	PES 4	8 <i>I</i> N	<i>ICH</i>	IES &	Z UND	ER)												
STATION	N (LT, RT, OR CL)'	TRUC	I.E.	ᆸ	INVERT ELEVATION	SLOPE CRITICAL	DR. (RCP, CSP, C.	rainage Pi Caap, Hdpe	PIPE PE, or PVC)			C.S. P	PIPE			R.C. P CLASS			F C	R.C. PIPE LASS IV		ITRACTOR DESIGN		STD. 838.01 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE)	QUANTITIES	FOR DRAIN STRUCTU	TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B')	FRAME, GRATES, AND HOOD STANDARD 840.03		15 ES STD. 840.16	JR 840.26 JR 840.27	JR 840.28 TD. 840.20 TES STD. 840.22	ATE STD. 840.24 O GRATES STD. 840.24	GRATES STD. 840.29	ER, STD. 840.54 ;OVER	O. & SIZE	2.Y. STD. 840.71	. STD. 840.72		C.B. N.D.I. D.I. G.D.I. G.D.I.(N.S.)	CATCH BASIN NARROW DROP INLET DROP INLET GRATED DROP INLET (NARROW SLOT)
SIZE	LOCATIO					12" 15"	18" 24" 30"	36" 42" 4	48"	SP AAP OPE	12" 15	5" 18" 24" 3	30" 36"	42" 48" 1	12" 15"	18" 24" 30	36" 42"	12"	15" 18" 2	30"	36" 42" 48"		5	CU. YARDS			FT. B	STD. 840		STD. 840.	. 840.17 C	. 840.19 C GRATE ST TWO GRA	WITH GRA	LAT) W/2	AND COV 3 w/ MH C	BOWS N	E PLUG, ("B" C.Y.	H.	J.B. M.H.	JUNCTION BOX MANHOLE TRAFFIC BEARING
THICKNESS OR GAUGE	FROM	TO							DO NOT USE R	DO NOT USE CA DO NOT USE CA	.064	.064	970. 970.	.109								** " R.C. PIPE (CLASS ***" RC PIPE CULVER ***" RC PIPE CULVER	DRAIN F	R.C.P.	PER EACH (0' THRU	5.0' THRU 10.0'	10.0' AND ABOVE	C.B. STD. 840.01 OK GRATE	DROP INLET	D.I. STD. 840.14 OR (G.D.I. TYPE "A" STD G.D.I. TYPE "B" STD	G.D.I. TYPE "D" STD G.D.I. FRAME WITH G.D.I. FRAME WITH "	G.D.I. (N.S.) FRAME G.D.I. (N.S.) FRAME	J.B. STD. 840.31 G.D.I. FRAME (N.S. F	MANNHOLE FRAME CONVERT 2 GI TO JI	SIDE DRAIN PIPE EI	CONC. & BRICK PIPI	CONC. COLLARS CL	PIPE REMOVAL LIN.	T.B.J.B.	DROP INLET TRAFFIC BEARING JUNCTION BOX REMARKS
-L- 26+67 28+35	LT 60°	1																					20																		
29+40 29+40	CL 603	3 604			48.33 48.33															54			20		1									1	1						
Z7T4U	F1 00		VZ.11	34	10.00									\parallel																#											
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SHEET TOTALS																			6	54			40		1									1	1						

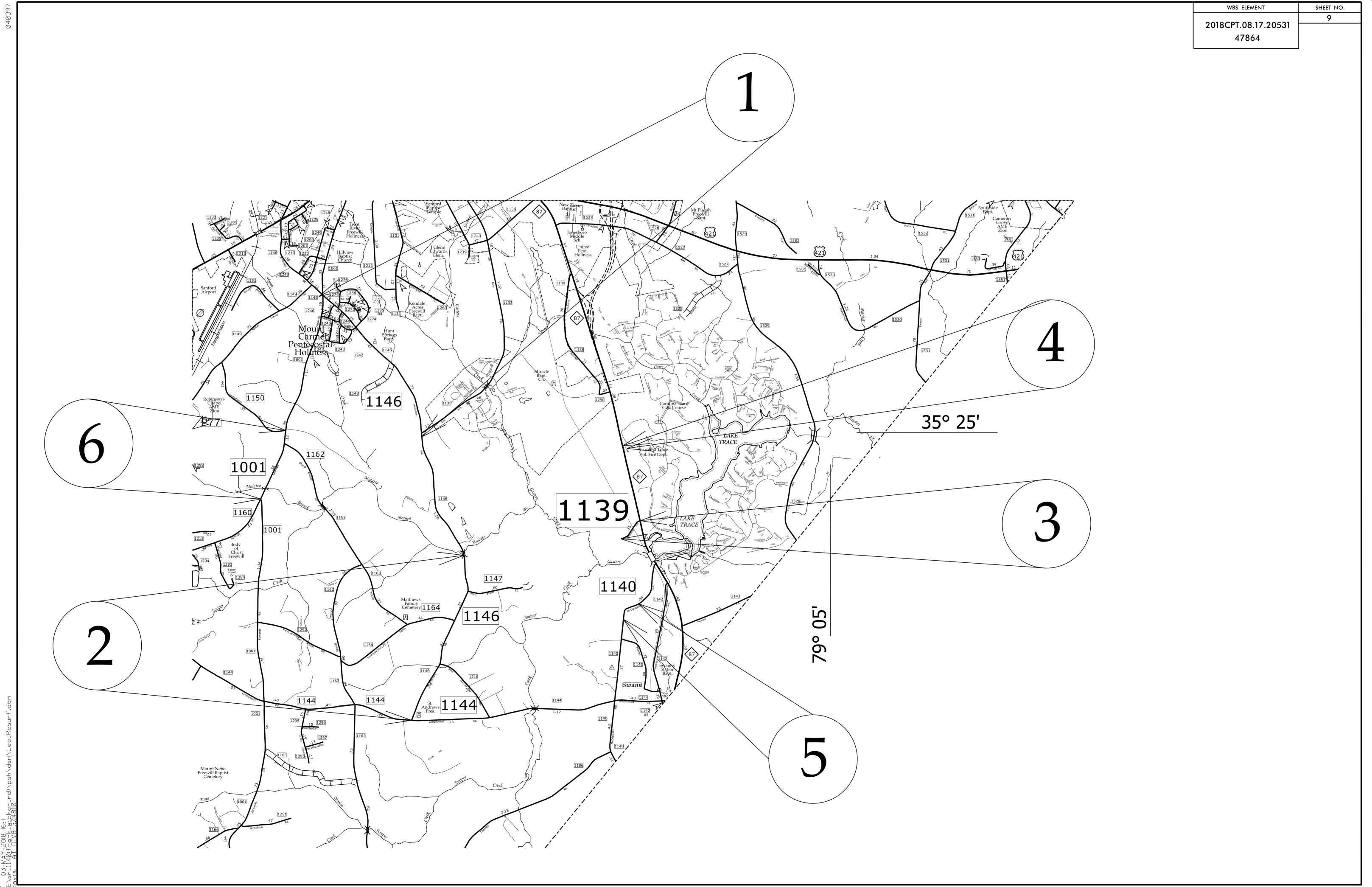








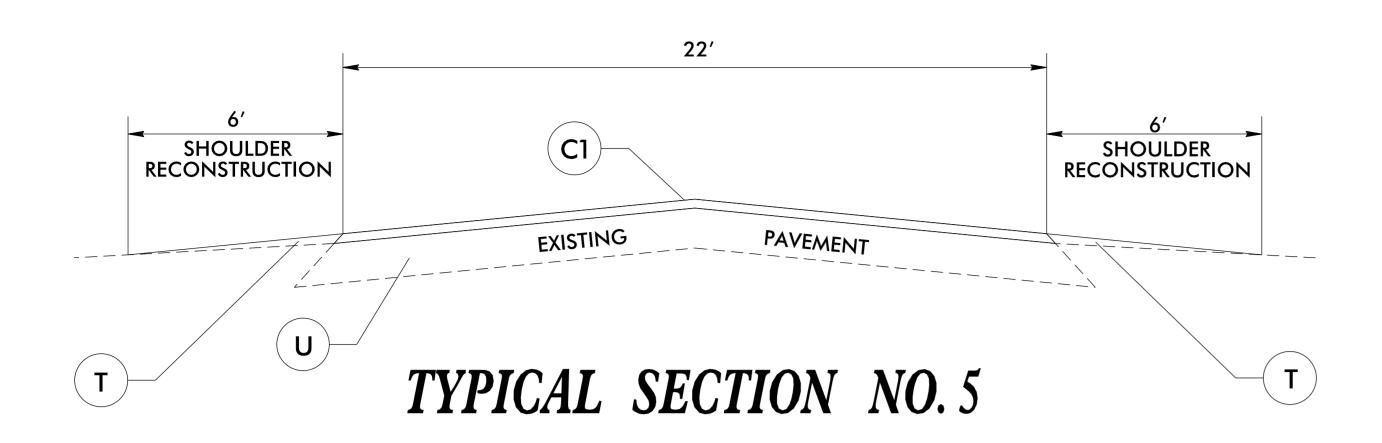


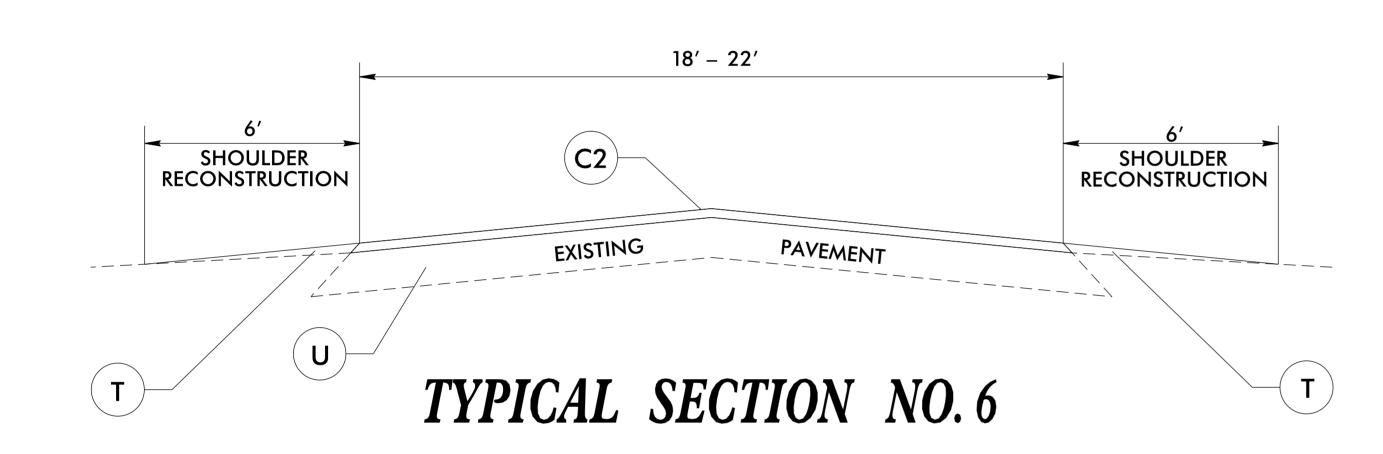


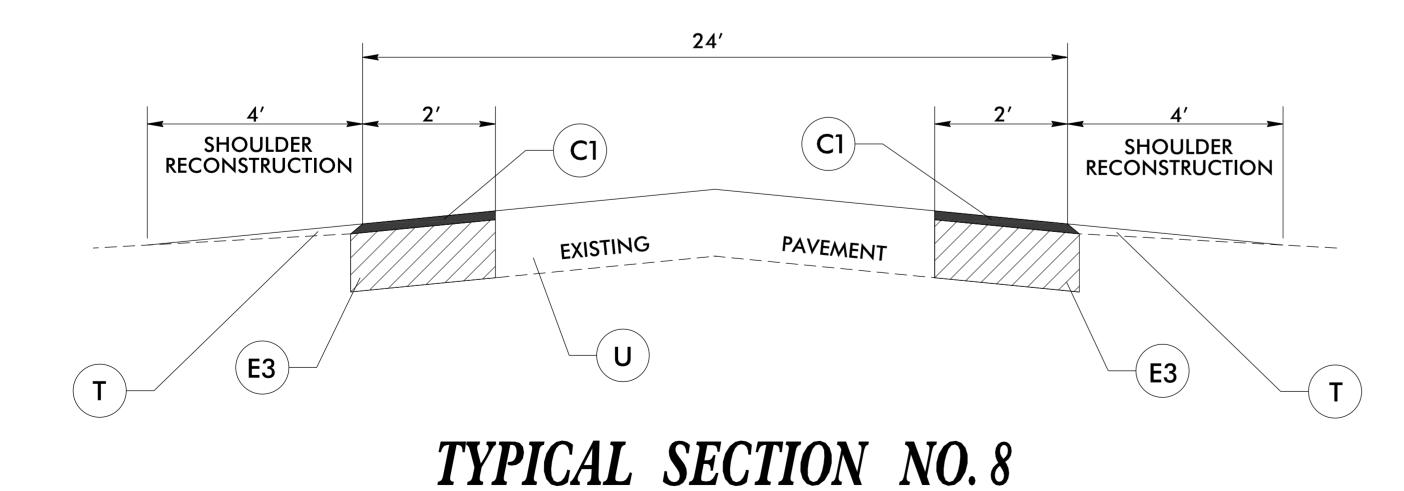
WBS ELEMENT SHEET NO.

2018CPT.08.17.20531

47864

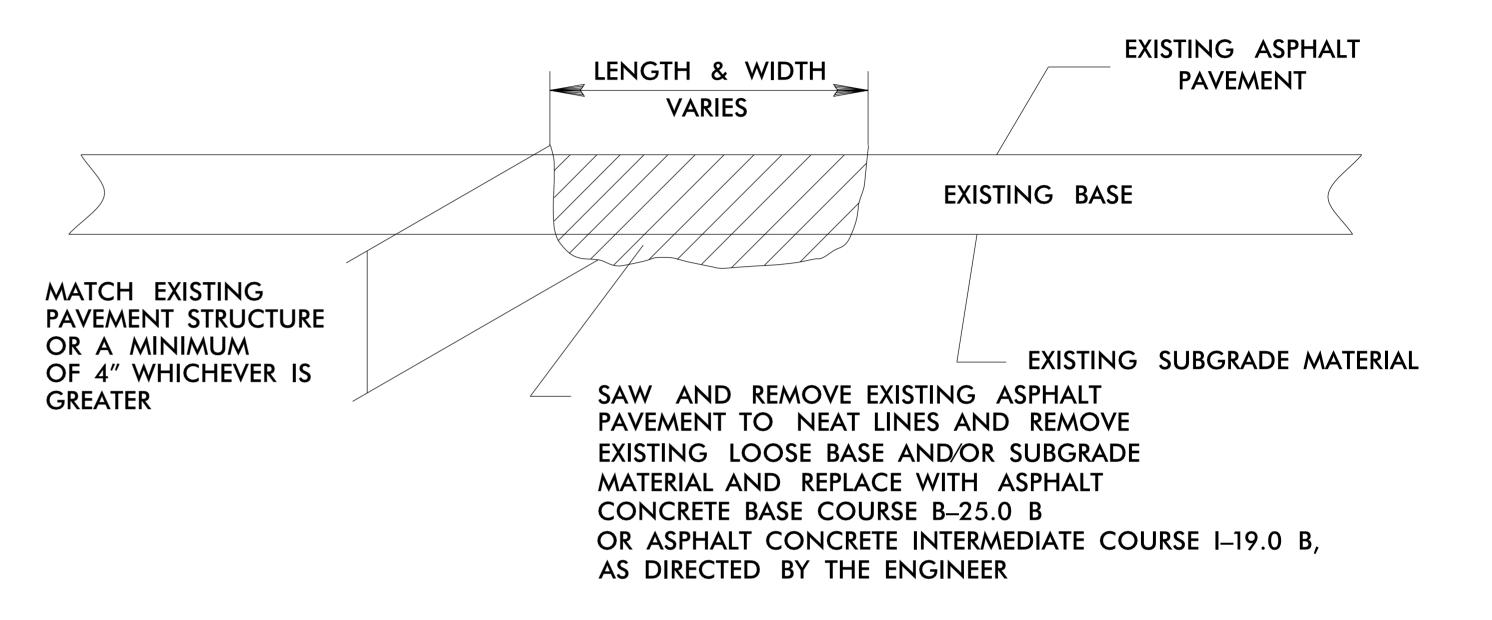


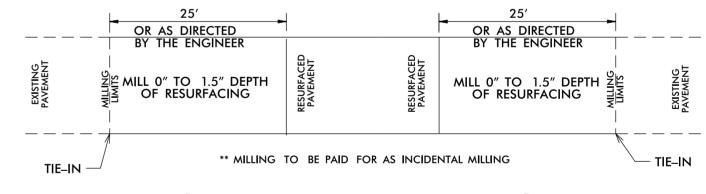




DETAILS OF PATCHING EXISTING PAVEMENT PRIOR TO RESURFACING

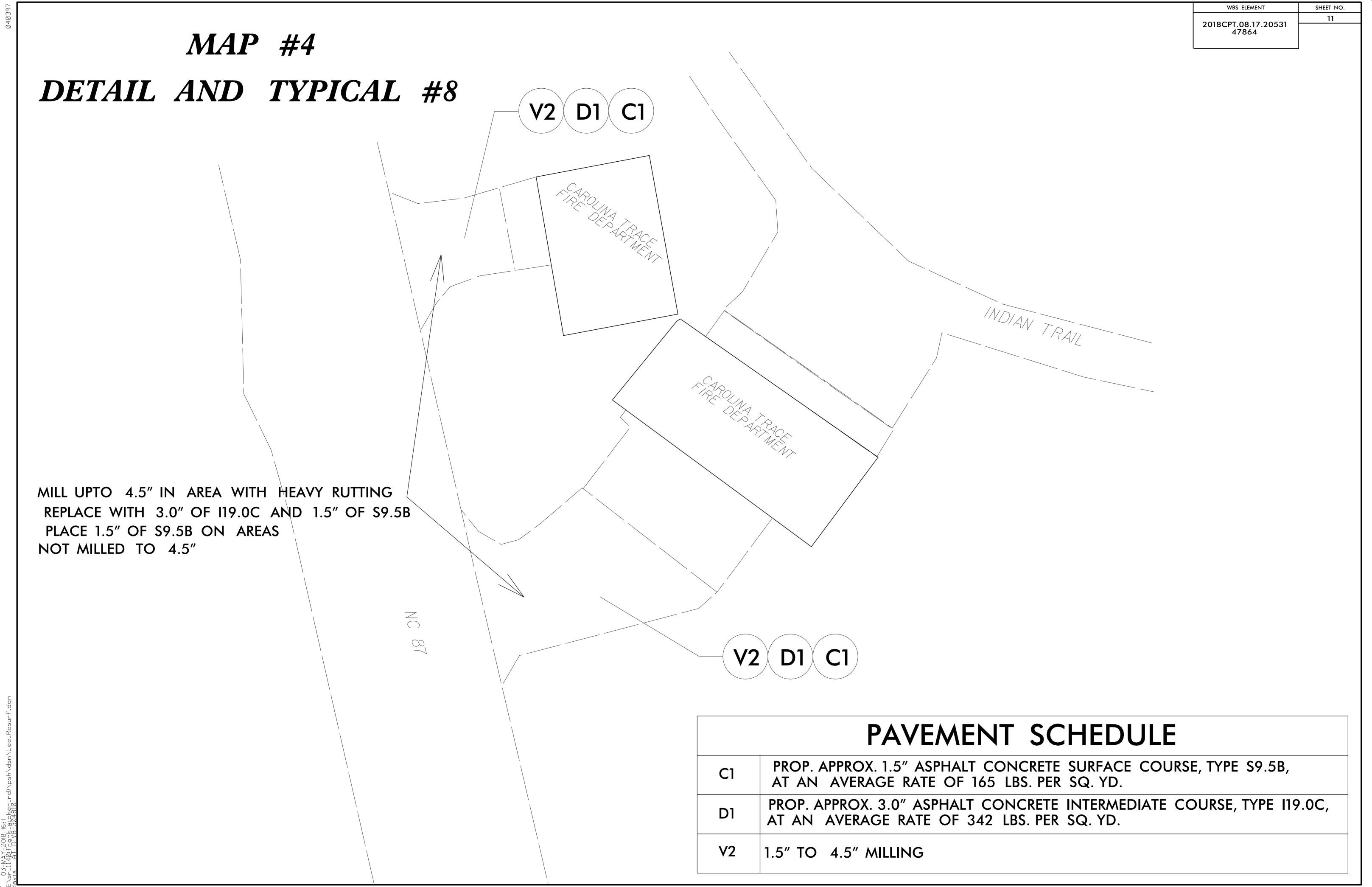
DETAIL





PAVEMENT TIE-IN DETAIL

	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
E 3	PROP. APPROX. 4" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
Т	EARTH MATERIAL
U	EXISTING PAVEMENT.

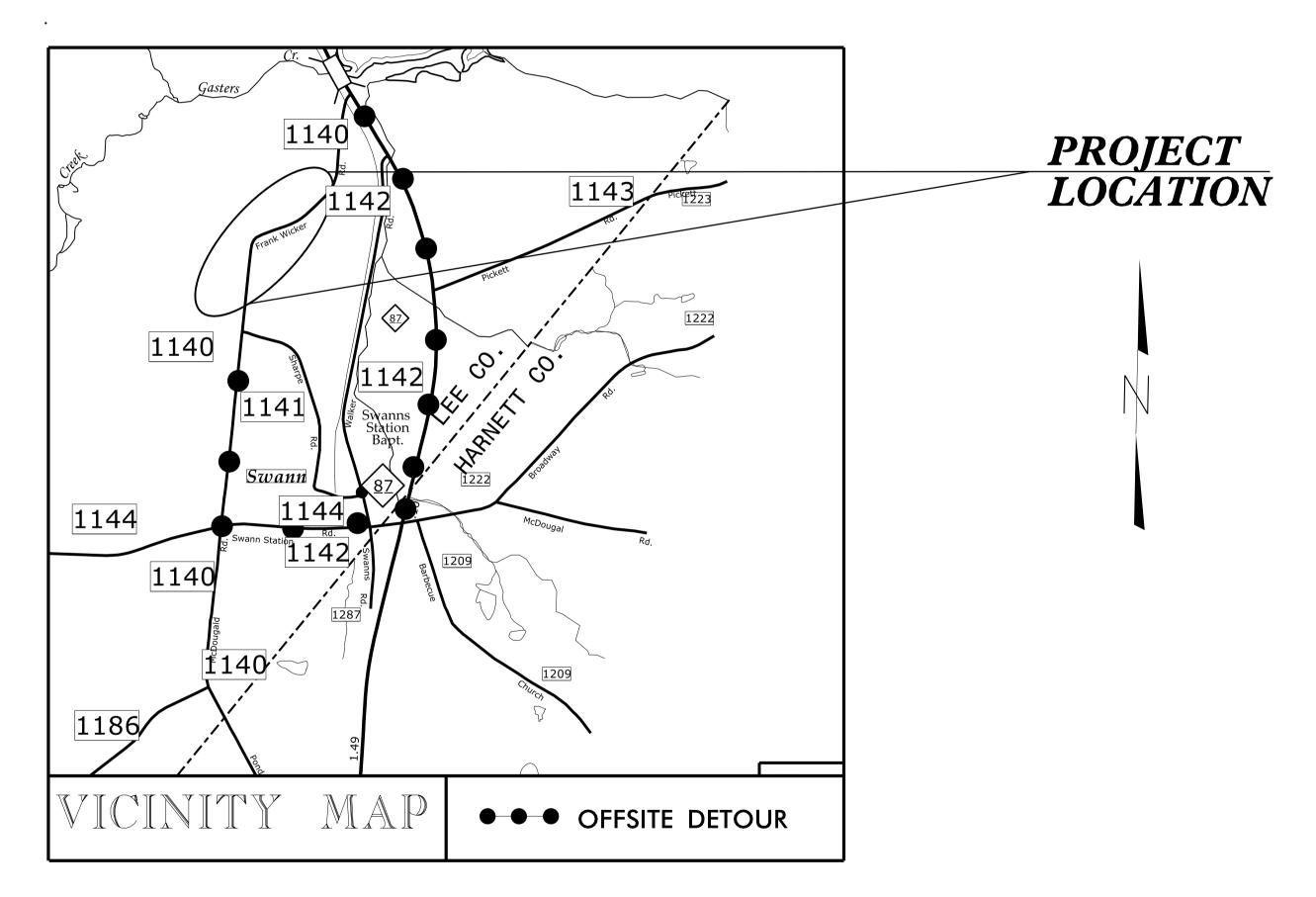


STATE OF NORTH CAROLINA

TRANSPORTATION MANAGEMENT PLAN

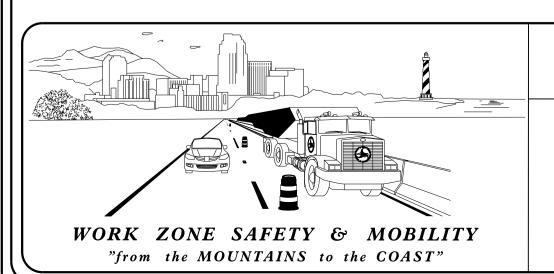
LEE COUNTY





LOCATION: SR 1140 (FRANK WICKER RD) WEST OF NC 87 SOUTH OF SANFORD

TYPE OF WORK: GRADING, DRAINAGE, PAVING, PAVEMENT MARKINGS & MARKERS, AND EROSION CONTROL



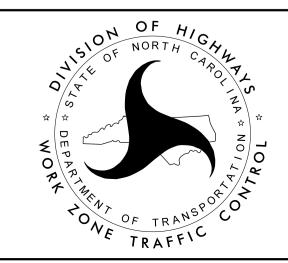
N.C.D.O.T. WORK ZONE TRAFFIC CONTROL
1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561 750 N. GREENFIELD PARKWAY, GARNER, NC 27529 (DELIVERY)
PHONE: (919) 773-2800 FAX: (919) 771-2745

STATE TRAFFIC MANAGEMENT ENGINEER

TRAFFIC CONTROL PROJECT ENGINEER

GREG S. DAVIS, PE TRAFFIC CONTROL PROJECT DESIGN ENGINEER

TRAFFIC CONTROL DESIGN ENGINEER



INDEX OF SHEETS

SHEET NO. **TITLE** TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS TMP - 1 LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS TMP-1A AND LEGEND GENERAL NOTES TMP-2 TMP-3 TEMPORARY TRAFFIC CONTROL PHASING **TMP-4** OFF-SITE DETOUR DETAIL OFF-SITE DETOUR SIGNING PLAN DETAIL #1 TMP-5 OFF-SITE DETOUR SIGNING PLAN DETAIL #2 TMP-6 TMP - 7

SPECIAL SIGN DETAIL

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DIVISION 8 DDC UNIT GREG S. DAVIS, PE 902 N. SANDHILLS BLVD ABERDEEN, NC

910-944-2344

Greg S. Davis APPROVED:_ **DATE:**_____5/21/2018 SEALDIVISION DESIGN ENGINEER

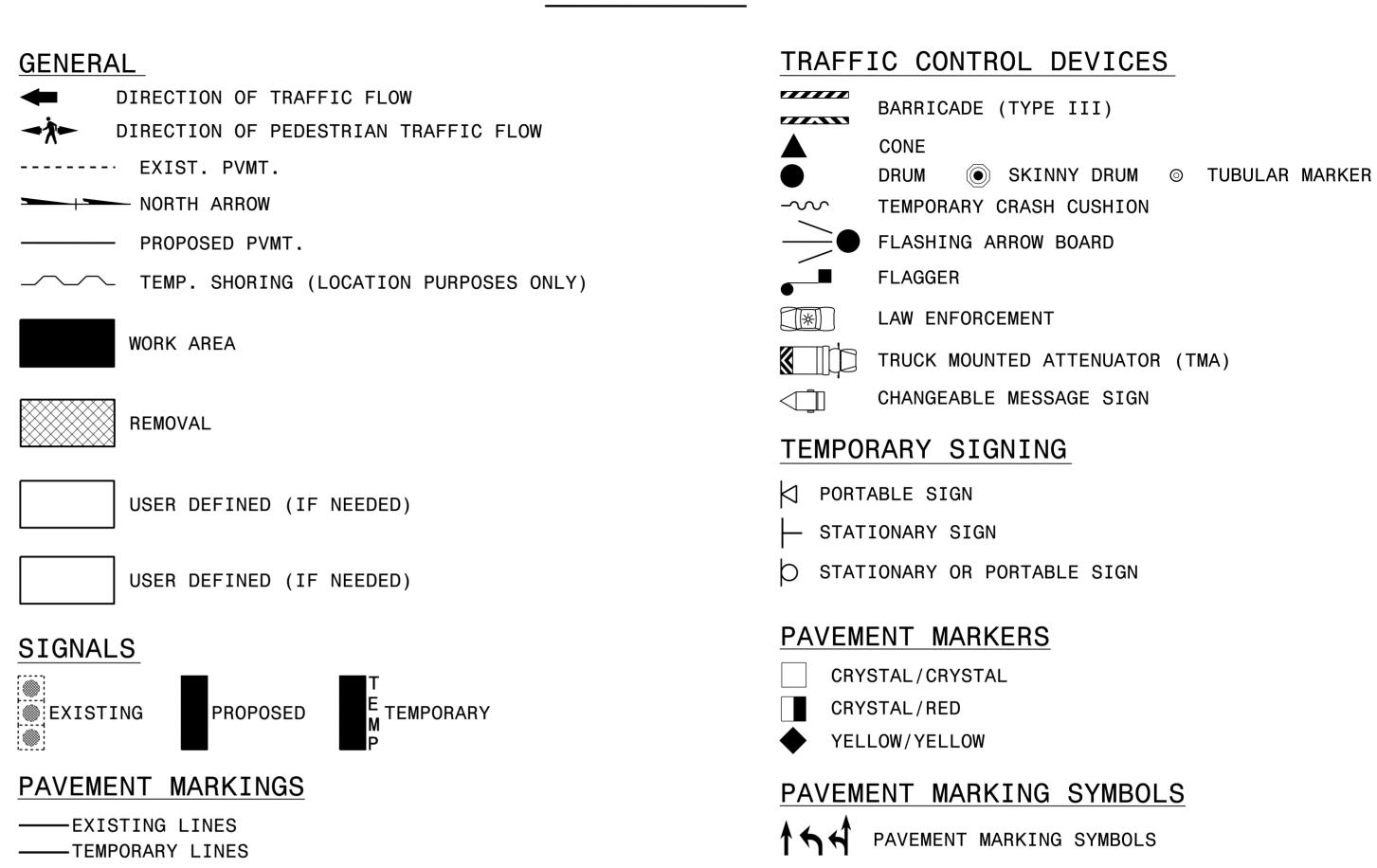
TMP-1

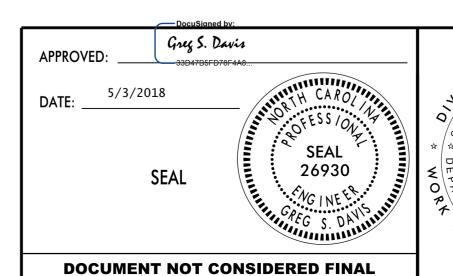
THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	<u>TITLE</u>
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.06	WARNING SIGNS FOR BLASTING ZONES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
. — • . • • .	

PROJ. REFERENCE NO.	SHEET NO.
W-5708C	TMP-1A

LEGEND





UNLESS ALL SIGNATURES COMPLETED



ROADWAY STANDARD DRAWINGS & LEGEND

PROJ. REFERENCE NO. SHEET NO. TMP-2

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS, OR RESULT IN DUPLICATE, OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING OR REMOVAL OF DEVICES, AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

A) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME

NC 87

SR 1140 (FRANK WICKER RD)

HOLIDAY

- 1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- 2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 A.M. DECEMBER 31st TO 9:00 A.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 9:00 A.M. THE FOLLOWING TUESDAY.
- 3. FOR EASTER, BETWEEN THE HOURS OF 7:00 A.M. THURSDAY AND 9:00 A.M. MONDAY.
- 4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 9:00 A.M. TUESDAY.
- 5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 A.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 7:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 A.M. THE TUESDAY AFTER INDEPENDENCE DAY.

- 6. FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY AND 9:00 A.M. TUESDAY.
- 7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 A.M. TUESDAY TO 9:00 A.M. MONDAY.
- 8. FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 A.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- B) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- C) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED, OR AS DIRECTED BY THE ENGINEER.
- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

- F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- G) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.
- H) DO NOT INSTALL MORE THAN ONE LANE CLOSURE, IN ANY ONE DIRECTION, ON SR 1140 (-L-).

PAVEMENT EDGE DROP OFF REQUIREMENTS

I) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

TRAFFIC PATTERN ALTERATIONS

J) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- K) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- L) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

- M) SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY, WHEN LANE CLOSURES ARE NOT IN EFFECT. WHEN SKINNY DRUMS ARE ALLOWED, REFER TO SECTION 1180 OF STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES OR AS SHOWN IN THE PLANS.
- N) PLACE TYPE III BARRICADES WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY. WHERE LOCAL TRAFFIC MUST BE MAINTAINED, THEY MAY BE PLACED IN A STAGGERED PATTERN.

PAVEMENT MARKINGS AND MARKERS

- O) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING
- P) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH WORKING DAY.

APPROVED:

SEAL

SEAL

26930

SEAL

26930

SEAL

26930

SEAL

26930

OF HIGHER OF NORTH CARPOLISE OF TRANSPORD OF TRAFFIC

TRANSPORTATION

MANAGEMENT

PLAN

GENERAL NOTES

MANAGEMENT STRATEGIES

PHASE I

BEGIN BY CONSTRUCTING A PORTION OF _L_ ALIGNMENT (SR 1140)
AWAY FROM TRAFFIC. USE SHOULDER AND LANE CLOSURES AS NECESSARY.

PHASE II

WHEN NEW ALIGNMENT ON -L- ALIGNMENT IS READY TO TIE INTO EXISTING SR 1140, USE ROAD CLOSURE ON SR 1140 AND PLACE TRAFFIC ON OFF-SITE DETOUR FOR A PERIOD OF NO MORE THAN 10 DAYS.

COMPLETE CONSTRUCTION ON SR 1140 (-L-), REMOVE ALL TRAFFIC CONTROL DEVICES, AND SWITCH TRAFFIC TO NEW -L- ALIGNMENT.

USING LANE CLOSURES TO COMPLETE RESURFACING OF OTHER MAPS IN THE CONTRACT.

PHASING

PHASE I

STEP 1:

INSTALL WORK ZONE ADVANCE WARNING SIGNS IN ACCORDANCE WITH NCDOT ROADWAY STANDARD DRAWING NO. 1101.01. (SHEET 3 OF 3) WHEN NO WORK IS BEING CONDUCTED FOR A PERIOD LONGER THAN ONE WEEK, REMOVE OR COVER ALL ADVANCE WORK ZONE SIGNS, AS DIRECTED BY THE ENGINEER.

STEP 2:

USING NCDOT STANDARD DRAWING NOs. 1101.02 (SHEET 1 OF 14) AND 1101.04 CLOSE THE SOUTHERN SHOULDER OF SR 1140 (-L-) AND CONSTRUCT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE THE PORTION OF -L- CONSTRUCTION THAT IS AWAY FROM TRAFFIC.

PHASING

PHASE II

WORK IN A CONTINUOUS MANNER TO COMPLETE STEPS #1 THRU #3 IN TEN (10)
CONSECUTIVE CALENDAR DAYS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 1:

USING NCDOT STANDARD DRAWING NO. 1101.03 (SHEET 1 OF 9), CLOSE SR 1140 (-L-) TO THROUGH TRAFFIC AND PLACE TRAFFIC ON OFF-SITE DETOUR. (SEE TMP-4 THRU TMP-6)

STEP 2:

COMPLETE TIE-INS TO -L- AND COMPLETE NEW ALIGNMENT OF SR 1140 (-L-) UPTO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE AND PAVEMENT MARKINGS. (SEE PM-1 THRU PM-3).

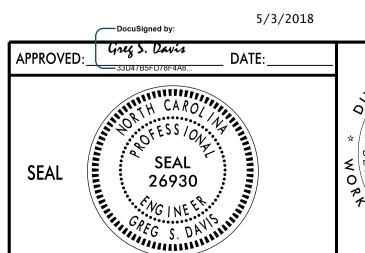
STEP 3:

REMOVE OFF-SITE DETOUR AND OPEN SR 1140 (-L-) TO NEW TRAFFIC PATTERN.

NOTE: STEP 4 BELOW MAY BE STARTED BEFORE, DURING OR AFTER COMPLETION OF PHASE I OR PHASE II.

STEP 4:

USING NCDOT STANDARD SR 1101.02 (SHEET 1 OF 14), COMPLETE RESURFACING AND PAVEMENT MARKINGS AND MARKERS ON THE REMAINING MAPS.

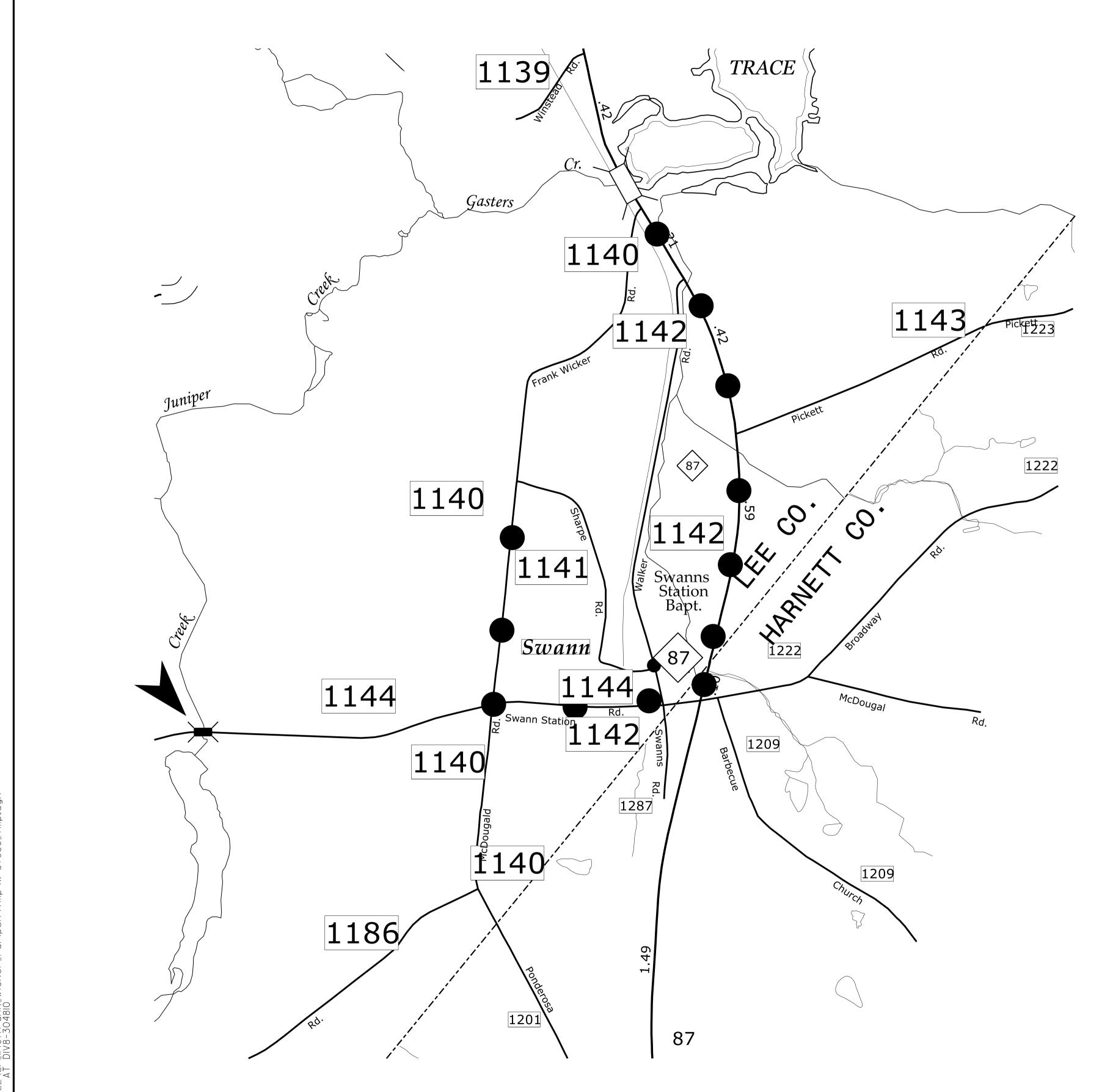


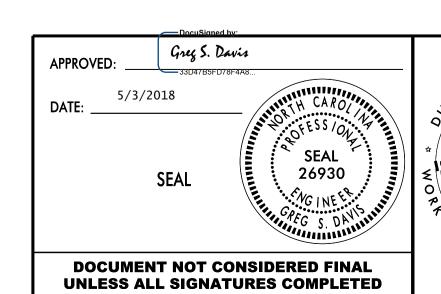


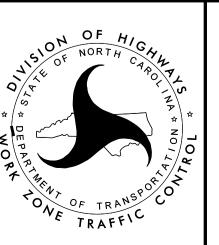
TEMPORARY TRAFFIC CONTROL PHASING

JYNLEENSFII40(frank_wicker_rd)\psh\tmp\W-5708C_tmp.dgn vis AT DIV8-304810

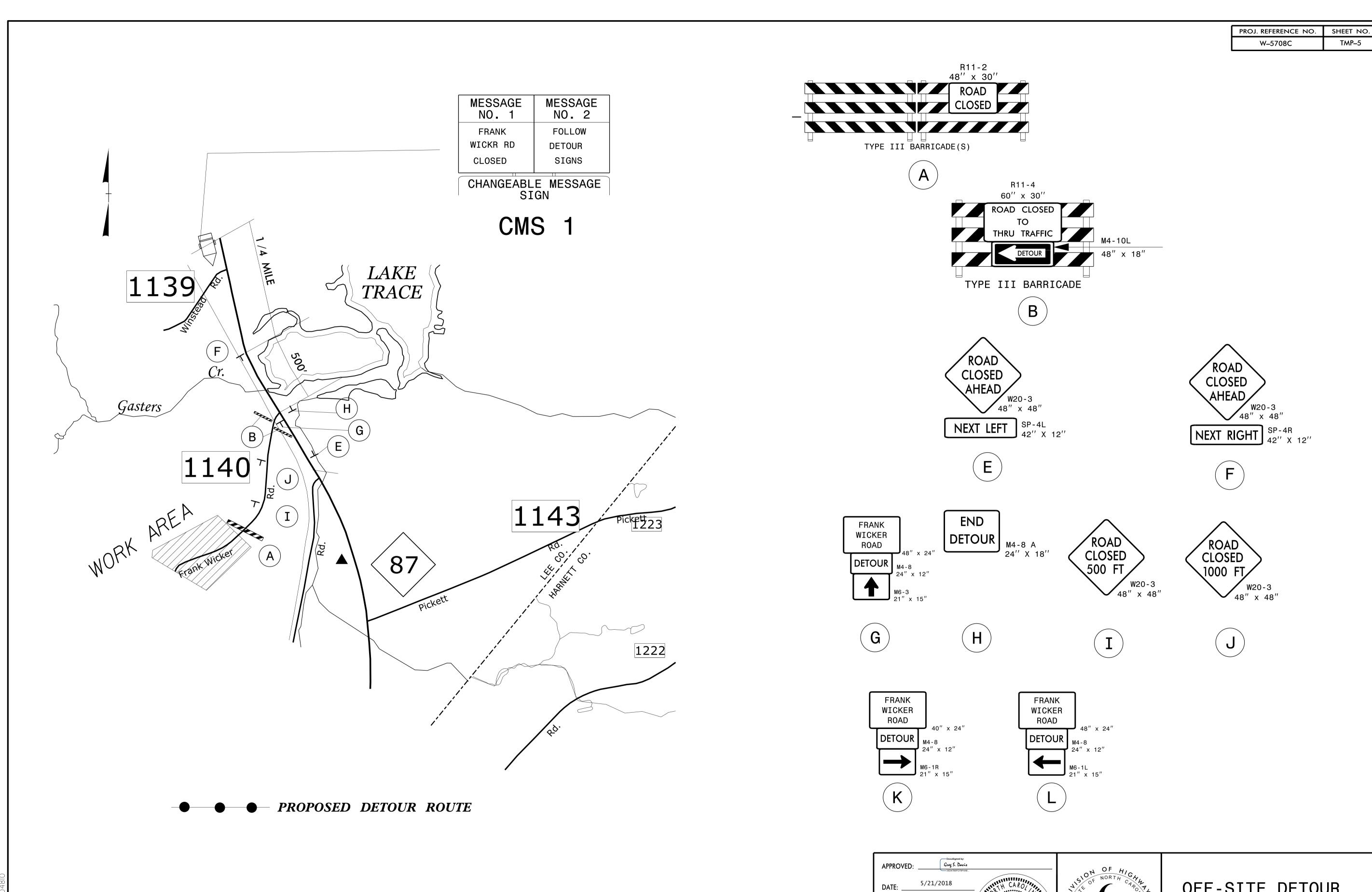
PROJ. REFERENCE NO. SHEET NO. W–5708C TMP–4







OFF-SITE DETOUR



21-MAY-2018 15:17 Z:\rdy\LEE\sr_1140(frank_wicker gsdavis AT DIV8-304810

DATE:

SEAL

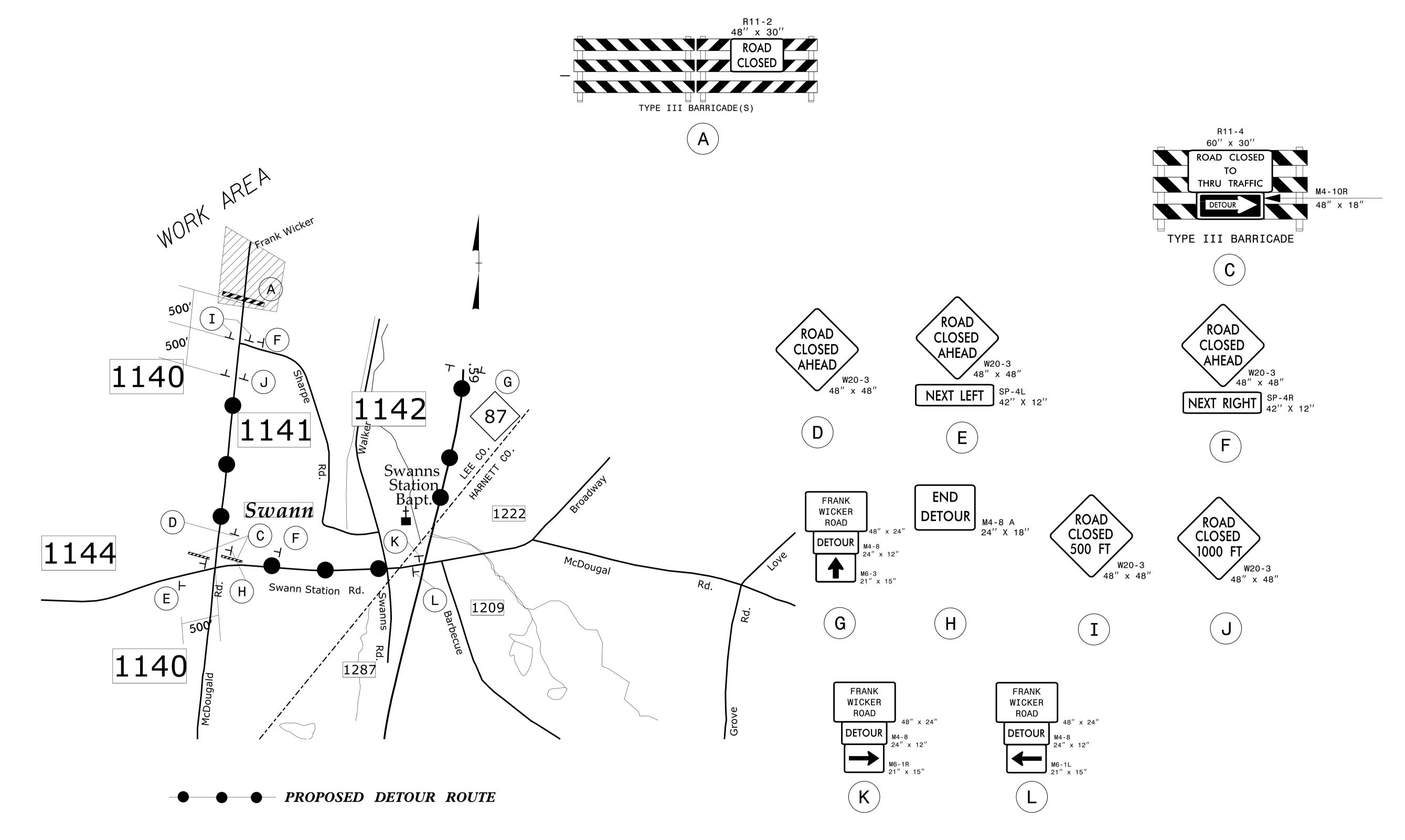
SEAL

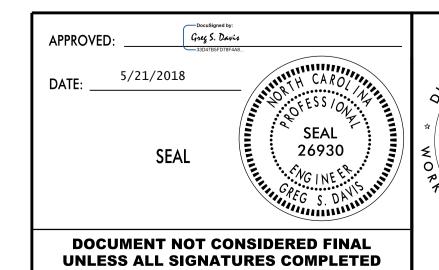
26930

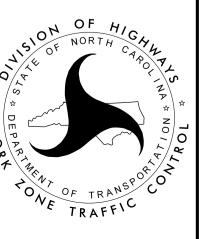
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

OFF-SITE DETOUR SIGNING PLAN DETAIL #1

PROJ. REFERENCE NO. SHEET NO. W–5708C TMP–6







OFF-SITE DETOUR SIGNING PLAN DETAIL #2

PROJ. REFERENCE NO. SHEET NO. W-5708C TMP-7

SIGN DETAIL SIGN NUMBER Frank Wicker WIDTH × HGHT. 4'-0" × 2'-0" BORDER WIDTH 0.63" 4'-0" CORNER RADIUS 1.5" MOUNT I NG Ground TYPE: Reflective BACKGROUND 6"C 1.5" 6"C 1.5" 6"C 1.5" FRANK WICKER COLOR: Orange 2'-0" LEGEND/BORDER TYPE: Reflective COLOR: Black/Black R D SYMBOL ROT X Y WID HT

Panel Style: construction_guide.ssi Dimensions are inches. tenths

1:40

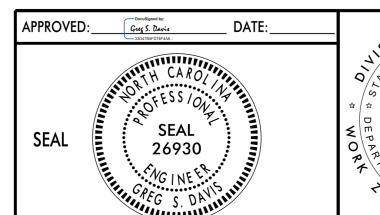
Letter widths are shown

								LE	TTER PO)SIT	IONS (X)		LENG ⁻	TH SERIES/SIZE
	F	R	А	N	K									C 2000
13.25	5 4.1	4.4	4.2	4.4	4.4	13. 25							21.5	6
	W		С	K	Е	R								C 2000
3.05	5.4		4.6	4.4	4. 1	4.4	3.05						41.9	
	R	D												C 2000
20.	1 4.4	3.4	20. 1										7.8	6

3.05"

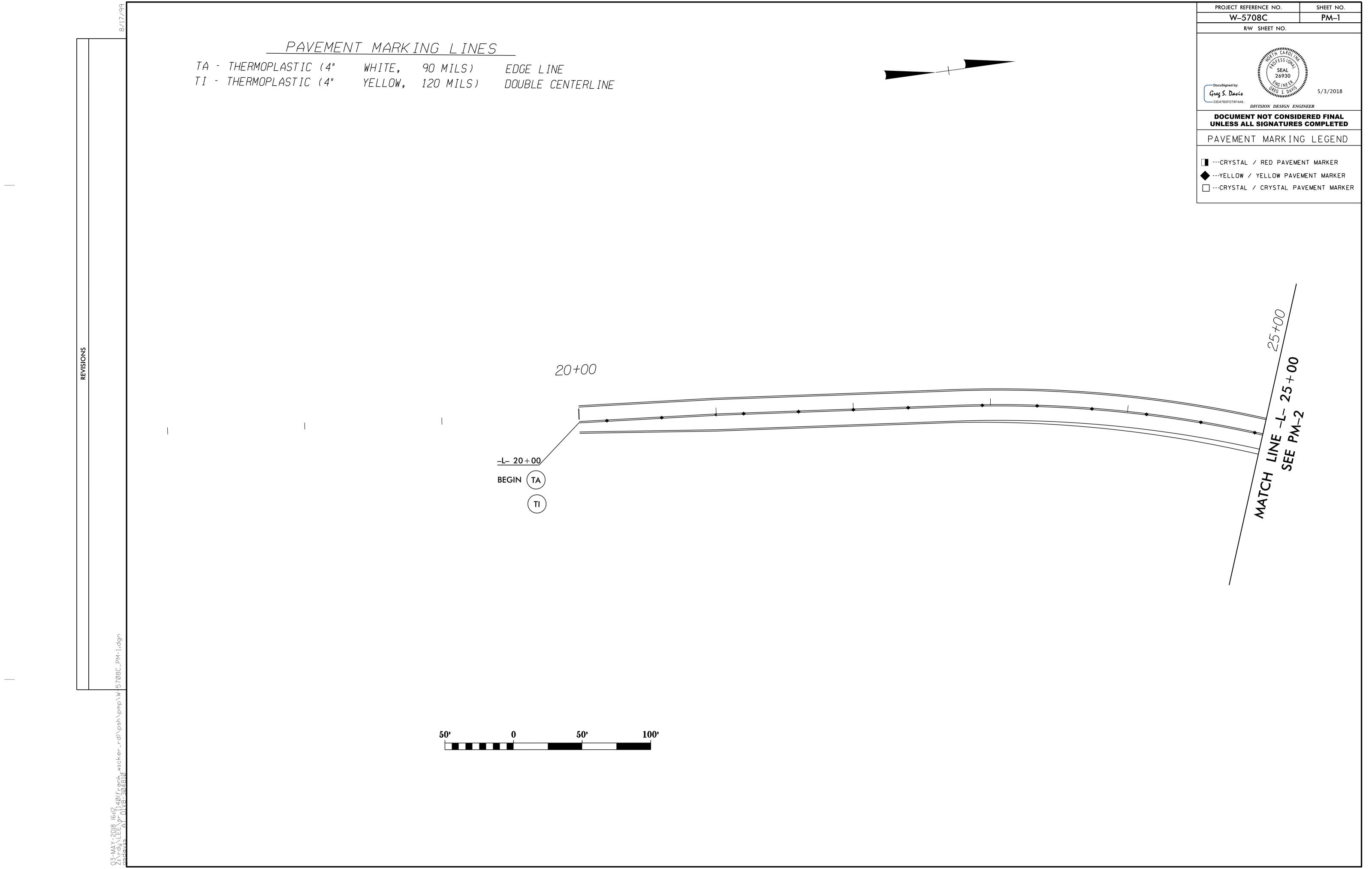
41.9"

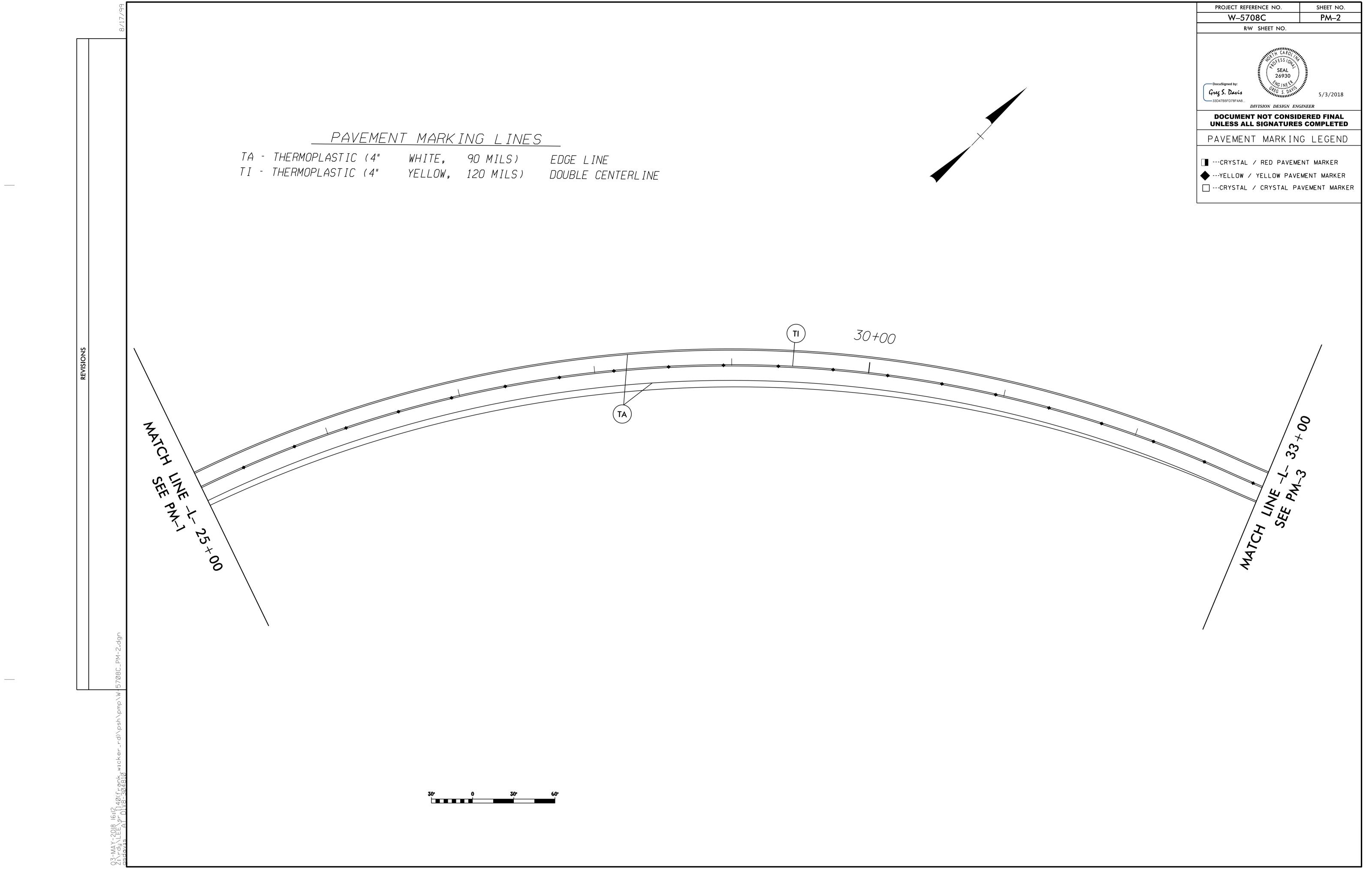
5/21/2018

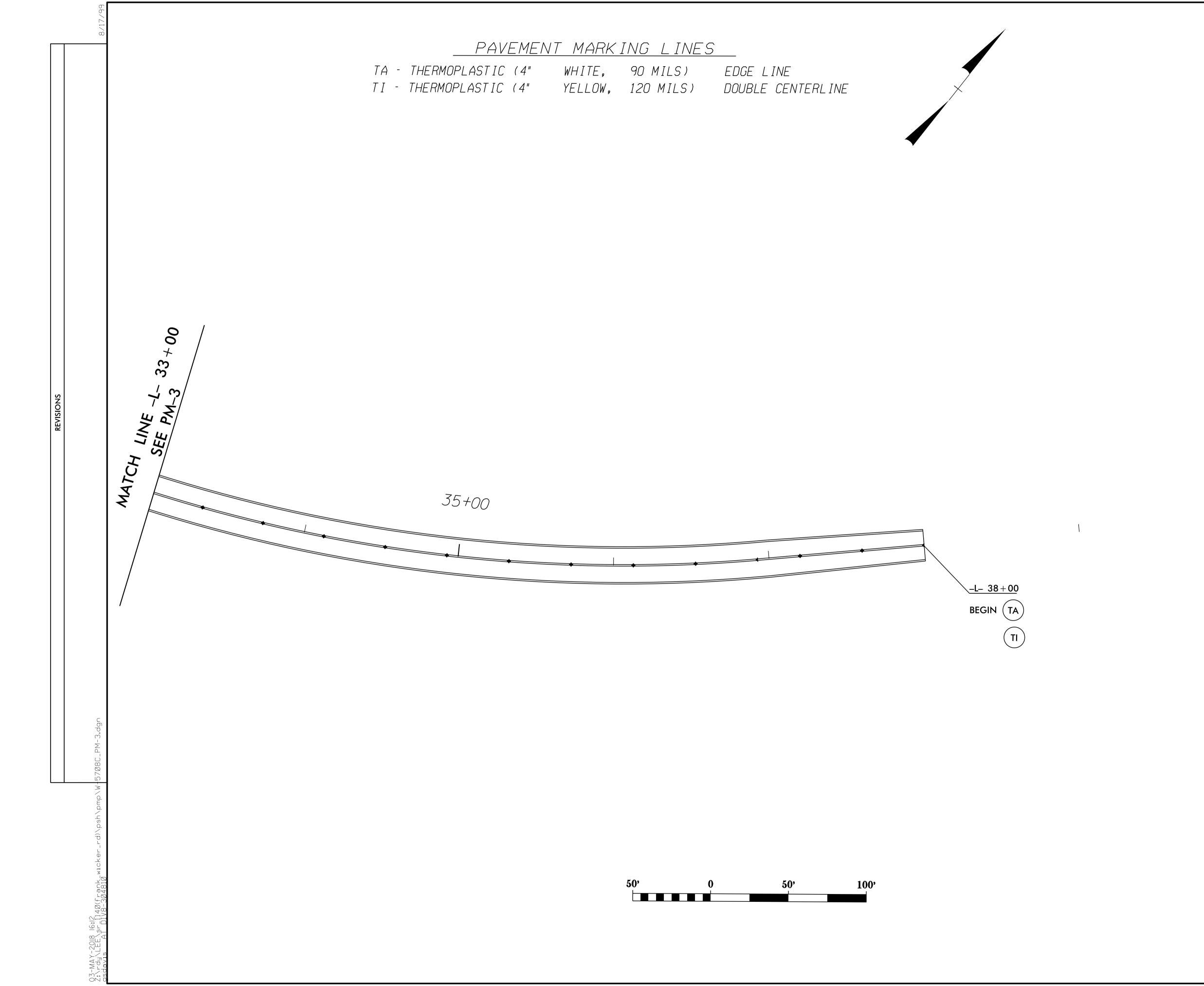




SPECIAL SIGN DESIGN







PROJECT REFERENCE NO. SHEET NO. W-5708C R/W SHEET NO.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

■ ---CRYSTAL / RED PAVEMENT MARKER

PAVEMENT MARKING LEGEND

◆ ---YELLOW / YELLOW PAVEMENT MARKER

---CRYSTAL / CRYSTAL PAVEMENT MARKER

PROJECT

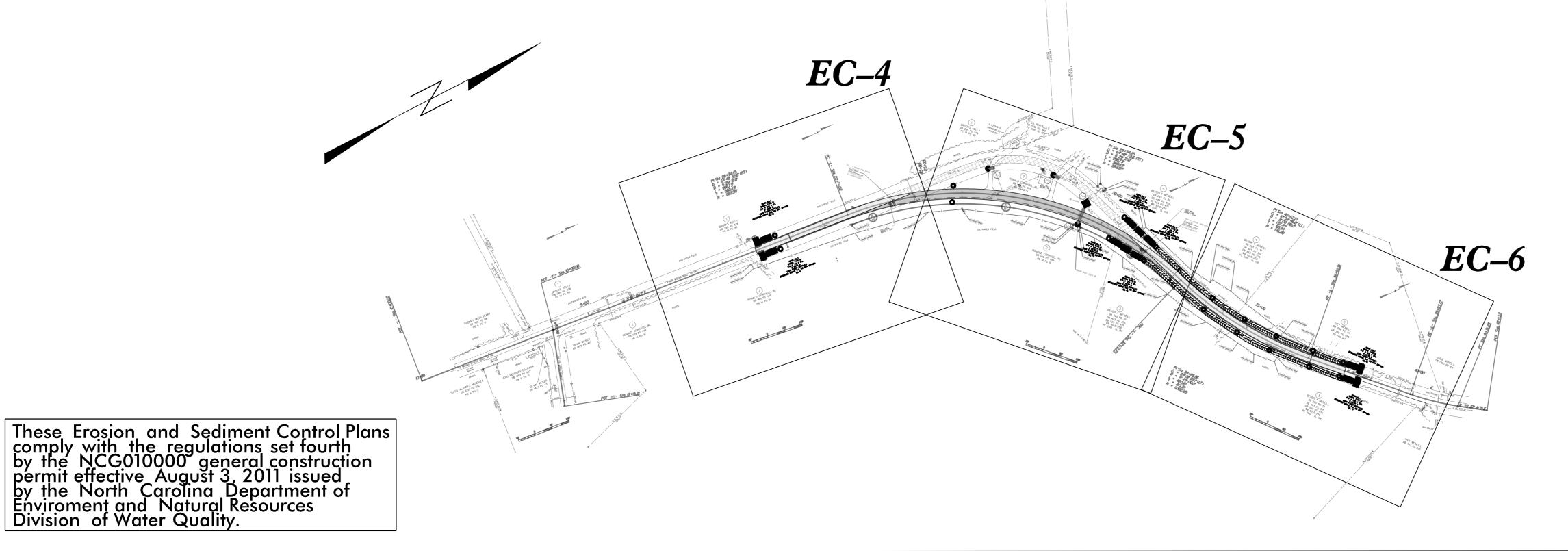
LOCATION

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

PLAN FOR PROPOSED HIGHWAY EROSION CONTROL LEE COUNTY

LOCATION: SR 1140 (FRANK WICKER ROAD) BEGIN WIDENING 610'+-NORTH OF SR 1141 (SHARPE ROAD) AND END WIDENING 1955'+- **SOUTH OF NC** 87

TYPE OF WORK: GRADING, PAVING, THERMOPLASTIC PAVEMENT MARKINGS, AND PAVEMENT MARKERS



STATE		WBS ELEMENT	SHEET NO.	TOTAL SHEETS
N.C.		W-5708C	EC-1	
WBS	ELEMENT	F. A. PROJ. NO.	DESCRIPTI	ON
448	54.1.3		PE	
448	54.2.3		R/W	
448	54.3.3		CONS	T.

EROSION AND SEDIMENT CONTROL MEASURES

Std.	Description Symbol	
1605	O1 Temporary Silt Fence	
1606	O1 Special Sediment Control Fence	\overline{z}
1622	11 Temporary Berms and Slope Drains	—
1630	02 Silt Basin Type B	
1630	73 Temporary Silt Ditch TSD	
1630	75 Temporary Diversion TD	
1630	6 Special Stilling Basin	
1632	Nock Inlet Sediment Trap Type C	
1633	Temporary Rock Silt Check Type-A	
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	
1633	2 Temporary Rock Silt Check Type-B	
	Wattle	
	Wattle with Polyacrylamide (PAM)	
1634	2 Temporary Rock Sediment Dam Type-B	
1635	Nock Pipe Inlet Sediment Trap Type-A	

Prepared By: J. Howard Reedy. Jr. Level III #3663 Dec. 31, 2020

PROJECT CONTACTS: District Engineer Travis Morgan,PE Design & Construct Engineer Greg S.Davis,PE

Resident Engineer

M.Garry Phillips

PROJECT LENGTH 0.34 mi.

> Prepared in the Office of: DIVISION EIGHT
> DIVISION DESIGN & CONSTRUCT UNIT

902 N Sandhills Blvd. PO Box 1067 Aberdeen, 28315

2018 STANDARD SPECIFICATIONS

Roadway Standard Drawings

The following roadway ENGLISH standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 17, 2018 and the latest revison thereto are applicable to this project and by reference hereby are considered a part of these plans.

1605.01 Temporary Silt Fence 1606.01 Special Sediment Control Fence 1622.01 Temporary Berms and Slope Drains

1630.01 Riser Basin

1630.02 Silt Basin Type B 1630.03 Temporary Silt Ditch 1630.04 Stilling Basin

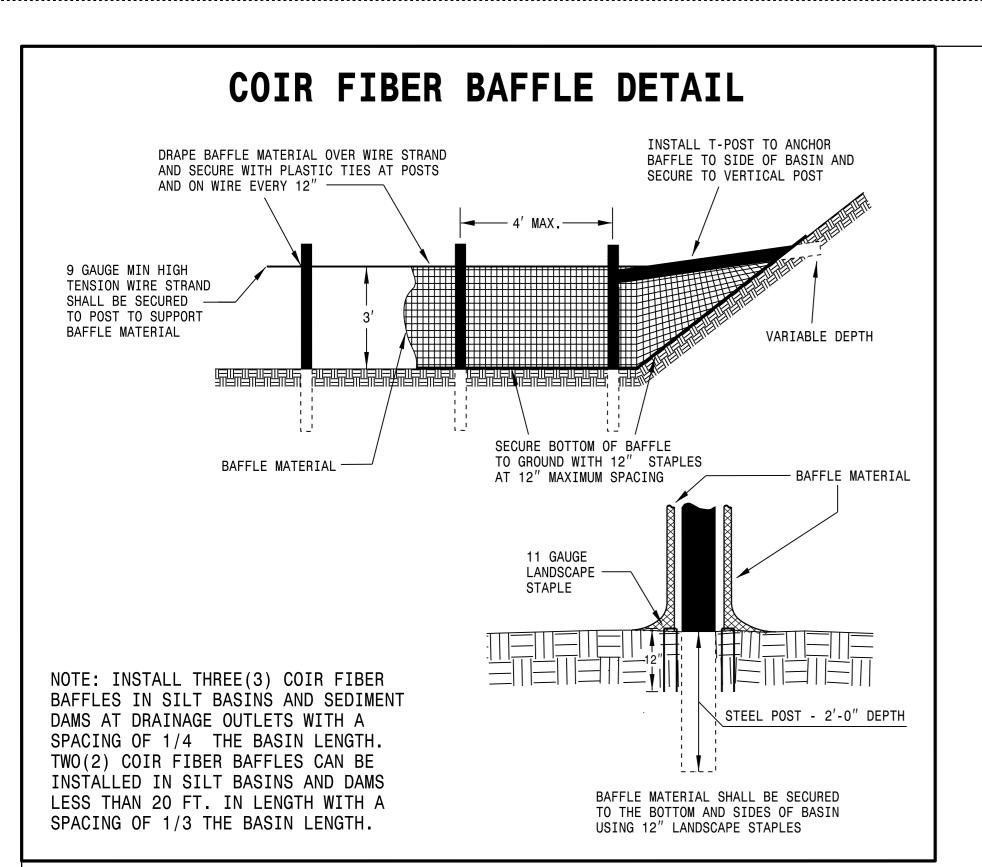
1630.05 Temporary Diversion

1632.01 Rock Inlet Sediment Trap Type A 1632.03 Rock Inlet Sediment Trap Type C 1633.01 Temporary Rock Silt Check Type A 1633.02 Temporary Rock Silt Check Type B 1634.01 Temporary Rock Sediment Dam Type A 1634.02 Temporary Rock Sediment Dam Type B 1635.01 Rock Pipe Inlet Sediment Trap Type A

1636.01 Rock Silt Screen

7080

S



EROSION AND SEDIMENT CONTROL MEASURES

Std.#	Description	Symbol
1605.01	Temporary Silt Fence —	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.02	Silt Basin Type B[
1630.03	Temporary Silt Ditch	TSD
1630.05	Temporary Diversion	TD
1630.06	Special Stilling Basin	
1632.03	Rock Inlet Sediment Trap Type C	
1633.01	Temporary Rock Silt Check Type-A	
	Temporary Rock Silt Check Type-A Matting and Polyacrylamide (PAM)	
1633.02	Temporary Rock Silt Check Type-B	
	Wattle	———
	Wattle with Polyacrylamide (PAM)	5
1634.02	Temporary Rock Sediment Dam Type-	B
1635.01	Rock Pipe Inlet Sediment Trap Type-A	

NARRAT IVE

1.SOIL TYPE: <u>CLAY</u> X <u>SAND</u>

2. IS THE PROJECT LOCATED IN A HIGH QUALITY WATER ZONE?

_____ YES __X NO

3. ARE THERE ANY WETLANDS ADJOINING THIS PROJECT?

_____ YES ____ X NO

SITE DESCRIPTION

This project is located 610'+- north of SR 1141 (Sharpe Rd) and approximately 0.71 miles south of NC 87.

The area surrounding this project primarily consists of wooded and grassy areas and single family dwellings.

The drainage consists of roadway ditches that lead to existing ditches and drainage structures.

PROJECT DESCRIPTION

The project will consist of clearing, grubbing, draining, setting up the base and paving. The major land disturbing activites will consist of clearing and grading within the right of way. Temporary and permanent erosion control measures will be installed.

MAINTENANCE SCHEDULE

1. INSPECT WEEKLY AND AFTER EACH RAINFALL, USE THE DEPARTMENT OF TRANSPORTATION'S EROSION CONTROL INSPECTION REPORT.

2.MAINTAIN EROSION CONTROL DEVICES AS FOLLOWS:

A .SILT DITCH - REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR THE DIVERSION
RIDGE - CAREFULLY CHECK OUTLETS AND MAKE TIMELY REPAIRS AS NEEDED.

B. SILT FENCE - REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE

STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE
AVOID UNDERMINING THE FENCE.

C. SLOPE DRAINS - INSPECT THE SLOPE DRAINS AND SUPPORTING DIVERSIONS.

D. SEDIMENT BASIN - REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL

DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE DESIGN DEPTH
CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE, AND

INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT - REMOVE ALL TRASH AND

OTHER DEBRIS FROM THE RISER AND POOL AREA.

E.CHECK DAM - REMOVE SETTLEMENT ACCUMULATED BEHIND THE DAMS AS NEEDED TO PREVENT

DAMAGE TO CHANNEL VEGETATION - ADD STONE TO DAMS AS NEEDED TO MAINTAIN DESIGN

HEIGHT AND CROSS SECTION.

F. ROCK DAM - REMOVE SEDIMENT AND RESTORE ORIGINAL VOLUME WHEN SEDIMENT ACCUMULATES

TO ONE-HALF THE DESIGN VOLUME - CHECK THE STRUCTURE FOR EROSION, PIPING, AND

ROCK DISPLACEMENT AFTER EACH SIGNIFICANT RAINSTORM AND REPAIR IMMEDIATELY.

G. DROP INLET PROTECTION (TYPE C) - REMOVE SEDIMENT FROM THE POOL AREAS AS NECESSARY

TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN.

H. SEDIMENT TRAP - REMOVE SEDIMENT AND RESTORE THE TRAP TO ITS ORIGINAL DIMENSIONS

WHEN SETTLEMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP

- CHECK THE STRUCTURE FOR DAMAGE FROM EROSION OR PIPING TO ENSURE IT IS A

MINIMUM OF 1.5 FT. BELOW THE LOW POINT OF THE EMBANKMENT.

NOTE: SEDIMENT SHOULD BE PLACED IN DESIGNATED DISPOSAL AREAS AND NOT ALLOWED TO FLOW
INTO STREAMS OR DRAINAGE WAYS DURING STRUCTURE REMOVAL.

NOTE: ALL SEDIMENT TRAPS/BASINS SHALL HAVE COIR FIBER BAFFLES.

BASINS/TRAPS OVER 10 FT IN LENGTH SHALL HAVE TWO ROWS.

NOTE: NO PAM TO USED WITH THE LAST BMT (WATTLE)

AT OUTLET OF THE PROJECT

NOTE: The erosion control measures have be designed to provide a minimum of 43% of the storage calculated using the RUSLE2 analysis. These sections of disturbed area must then be permanently stabilized within 60 days from the time grading begins.

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EC-2

W-5708C

GENERAL CONSIDERATIONS

- 1. THE LAW REQUIRES INSTALLATION AND MAINTENANCE OF SUFFICIENT EROSION CONTROL PRACTICES
 TO RETAIN SEDIMENT WITHIN THE BOUNDARIES OF THE SITE. IT ALSO REQUIRES THAT SURFACES BE
 NON EROSIVE AND STABLE WITHIN 21 DAYS CALENDAR DAYS AFTER THE COMPLETION OF ANY PHASE
 OF GRADING.
- 2. FIT THE DEVELOPMENT TO THE SITE FOLLOW THE NATURAL CONTOURS AS MUCH AS POSSIBLE.

 PRESERVE AND USE NATURAL DRAINAGE SYSTEMS.
- 3. LIMIT CLEARING AND GRUBBING CLEARLY DEFINE WORK LIMIT LINES, GRADE TO MINIMIZE CUT-AND-FILL SLOPES, PRESERVE NATURAL BUFFER AREAS, AND LIMIT THE TIME THAT BARE SOIL IS EXPOSED.
- 4. PROTECT THE SOIL SURFACE -LIMIT THE EXTENT OF DISTURBANCE AND STABILIZE THE SOIL SURFACE IMMEDIATELLY. ONCE THE SURFACE HAS BEEN DISTURBED, IT IS SUBJECT TO ACCELERATED EROSION AND SHOULD BE PROTECTED WITH APPROPRIATE COVER, SUCH AS MULCH OR VEGETATION IN AN EXPEDIENT MANNER.
- 5. SEDIMENT BASINS AND TRAPS SELECT SITES AND INSTALL SEDIMENT BASINS AND TRAPS BEFORE OTHER CONSTRUCTION ACTIVITIES ARE STARTED. ALSO CONSIDER LOCATIONS FOR DIVERSIONS, OPEN CHANNELS, AND STORM DRAINS AT THIS TIME SO THAT ALL SEDIMENT-LADEN TO RUN OFF CAN BE DIRECTED TO AN IMPOUNDMENT STRUCTURE BEFORE LEAVING THE CONSTRUCTION SITE. INSTALL ALL MEASURES AND RELEASE POINTS PRIOR TO CLEARING AND GRUBBING.
- 6. ONCE AN AREA IS DISTURBED, IT IS SUBJECT TO ACCELERATED EROSION. EROSION CONSTROL CAN BE ACHIEVED BY:
 - * LIMITING THE SIZE OF THE CLEARING AND TIME OF EXPOSURE BY PROPER SCHEDULING,
 - * REDUCING THE AMOUNT OF RUNOFF OVER THE DISTURBED SURFACE,
 - * LIMITING GRADES AND LENGTHS OF SLOPES, AND
 - * RE-ESTABLISHING PROTECTIVE COVER IMMEDIATELY AFTER LAND DUSTURBING ACTIVITIES ARE COMPLETED OR WHEN CONSTRUCTION ACTIVITES ARE DELAYED FOR THIRTY (30) OR MORE WORKING DAYS
- 7. STABILIZE CONSTRUCTION ACCESS AREAS, CONSTRUCTION ROADS, AND PARKING AREA DURING INITIAL ACTIVITIES. TRY TO KEEP ROAD GRADES TO A MINIMUM GENERALLY NEVER EXCEEDING 12%.
- 8. CLEAR BORROW AND WASTE DISPOSAL AREAS AS NEEDED AND PROTECT THEM FROM SURFACE RUNOFF.

 SLOPE ALL AREAS TO PROVIDE POSITIVE DRAINAGE, AND STABILIZE BARE SOIL SURFACES WITH PERMANENT VEGETATION OR MULCH AS SOON AS FINAL GRADES ARE PREPARED. DIRECT ALL RUNOFF THAT CONTAINS SEDIMENT TO A SEDIMENT-TRAPPING DEVICE. IN LARGE BORROW AND DISPOSAL SITES, SHAPE AND DEEPEN THE LOWER END TO FORM AN IN-PLACE SEDIMENT TRAP.
- 9. ONLY SEDIMENT-FREE RUNOFF MAY BE DISCHARGED FROM CONSTRUCTION SITES DIRECTLY INTO STREAMS.

 ENSURE THAT ALL OTHER FLOWS ENTER FROM DESILTING POOLS FORMED BY SEDIMENT TRAPS OR

 BARRIERS.
- 10. AREAS ADJOINING STREAMS SHOULD BE LEFT UNDISTURBED AS BUFFERS. WHERE NATURAL BUFFERS ARE NOT AVAILABLE, PROVIDE ARTIFICIAL BUFFERS. WHERE WORK IS REQUIRED ALONG A STREAM, PROVIDE MECHANICAL OR ARTIFICIAL BUFFER (25 FEET MINIMUM REQUIRED).
- 11. BEFORE MOVING TO NEXT JOB SITE, REVIEW ALL MEASURES FOR EFFECTIVENESS; MAKE ANY ADJUSTMENTS, CLEAR-OUTS, OR REPAIR; CALL ROADSIDE ENVIRONMENTAL DEPARTMENT FOR INSTALLATION OF A DITCH LINER AND SEEDING AND MULCHING OF ALL DISTURBED AREAS.
- 12. CONTINUE TO CHECK AND MAINTAIN ALL MEASURES AFTER EACH SIGNIFICANT RAINFALL UNTIL ALL DISTURBED AREAS BECOME STABILIZED.
- 13. FILL IN ALL SILT BASINS AND SILT DITCHES, REMOVE ALL SILT FENCES AND SLOPE DRAINS, REDISTRIBUTE ALL STONE FROM SILT CHECKS, SEDIMENT DAMS, AND SILT SCREENS, SEED AND MULCH DISTURBED AREAS.

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

			_
PROJECT REFERENCE NO	SHEET NO.		
W-5708C	EC-3	1	
			1
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10'OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50'IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.							
W-5708C	EC-3A							
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER							

SOIL STABILIZATION SUMMARY SHEET

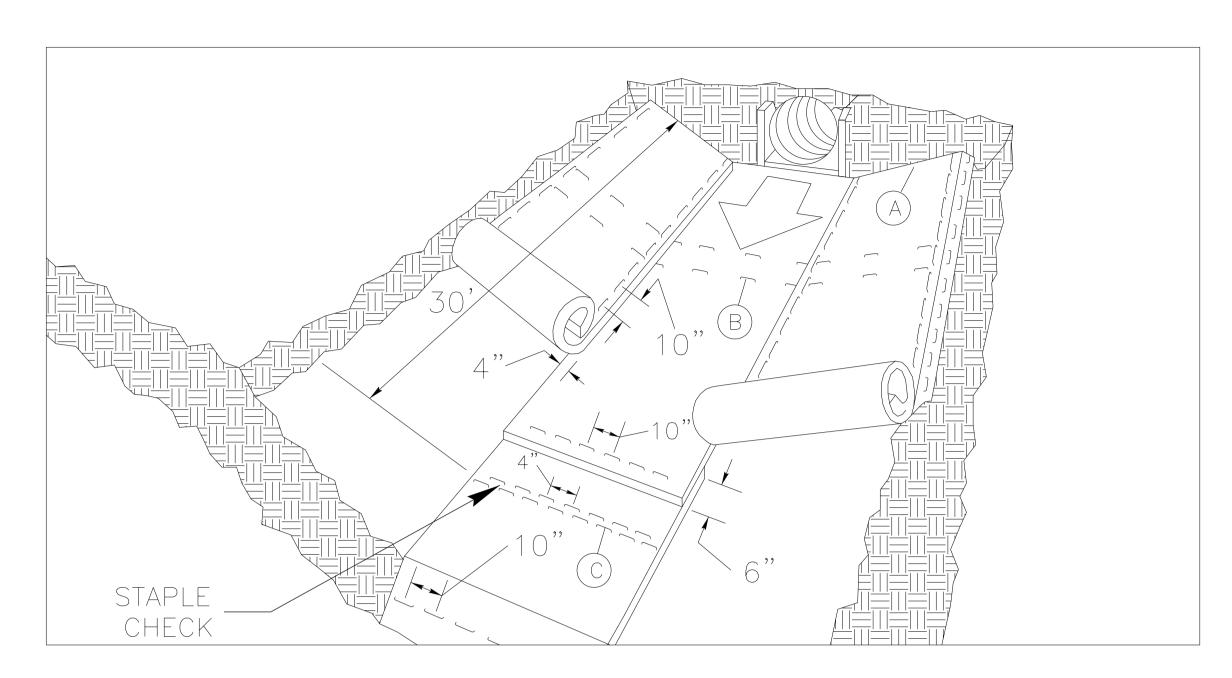
MATTING FOR EROSION CONTROL

PERMANENT SOIL REINFORCEMENT MAT

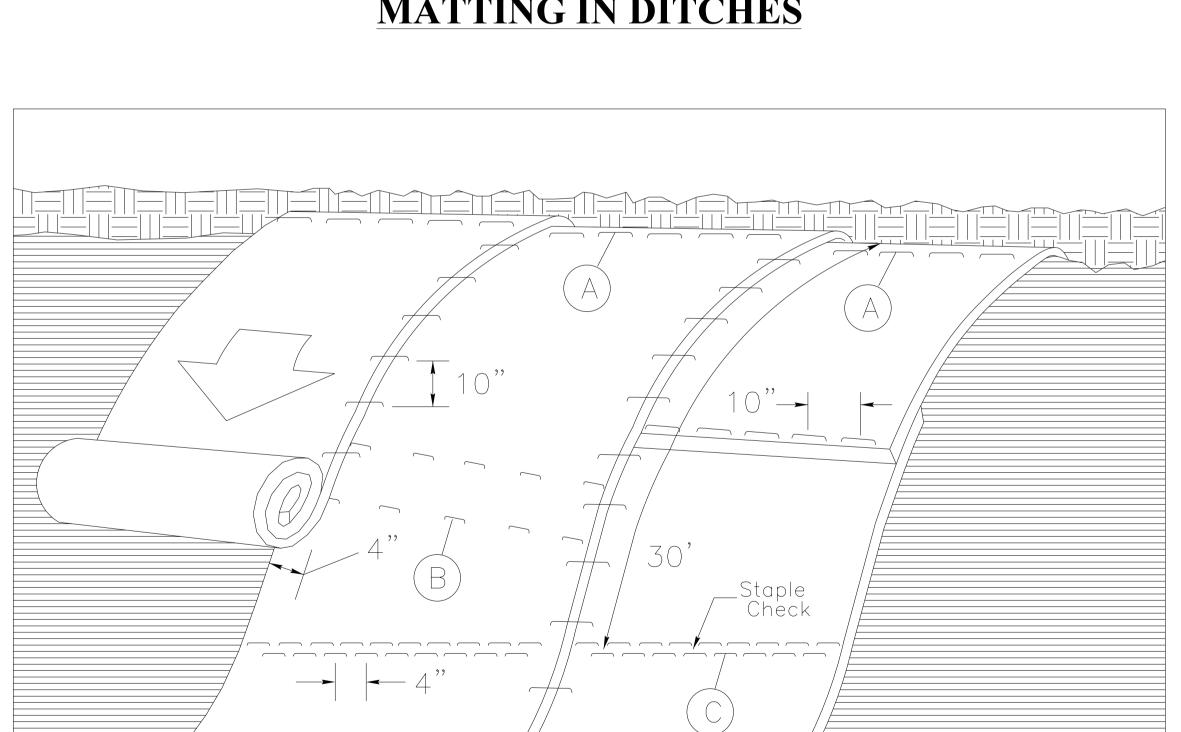
MAITING FOR ERUSION CONTROL			PERMANENI SOIL REINFORCEMENI MAI							
CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)	CONST SHEET NO.	LINE	FROM STATION	TO STATION SIDE	ESTIMATE (SY)
6	- L -	30+80	32+50	LT	120					
6	- L -	30+80	32+50	R1	120					
7	- L -	32+50	38+00	LT	385					
7	- L -	32+50	38+00	RT	385					
			SUF	STOTAL	1010				SUBTOTAL	
MISCELLANEOUS	5 MATTING TO BE INSTA	LLED AS DIRE			590			ADDITIONAL	PSRM TO BE INSTALLED	
				TOTAL	1600			717777777777	TOTAL	
				SAY	1600				SAY	

MATTING INSTALLATION DETAIL

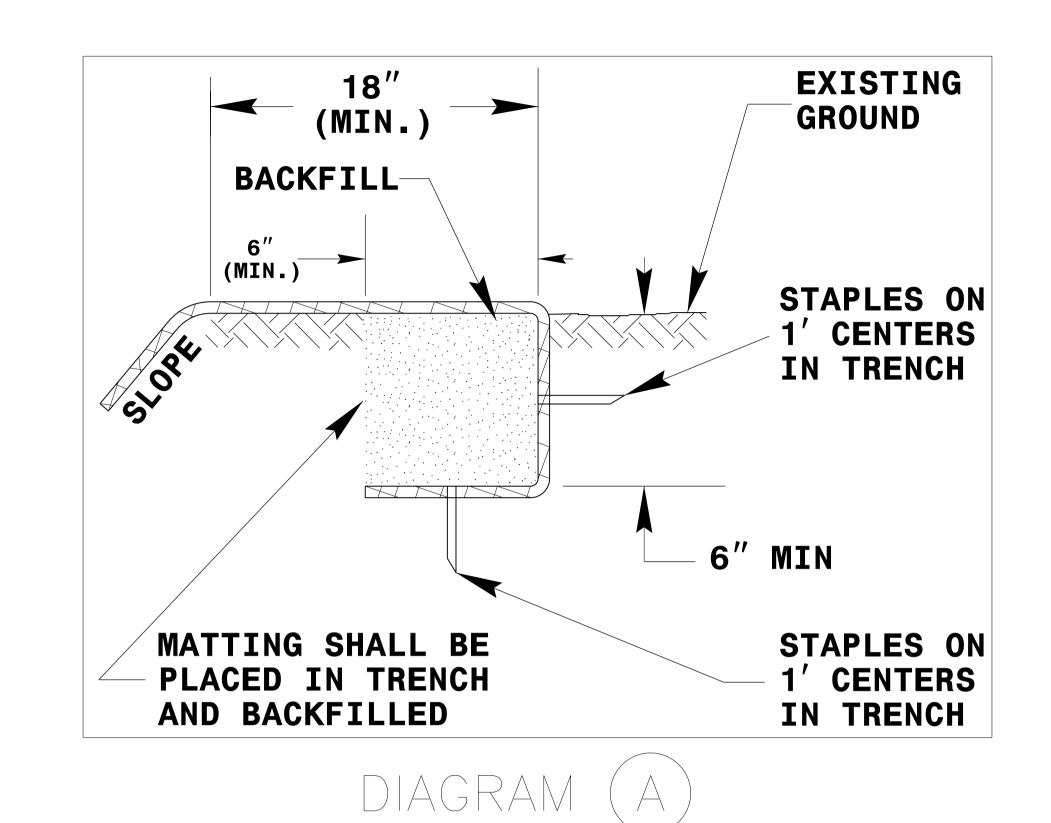
PROJECT REFERENCE NO	SHEET NO.	
W-5708C	EC-3B	
R/W SHEET N	10.	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER

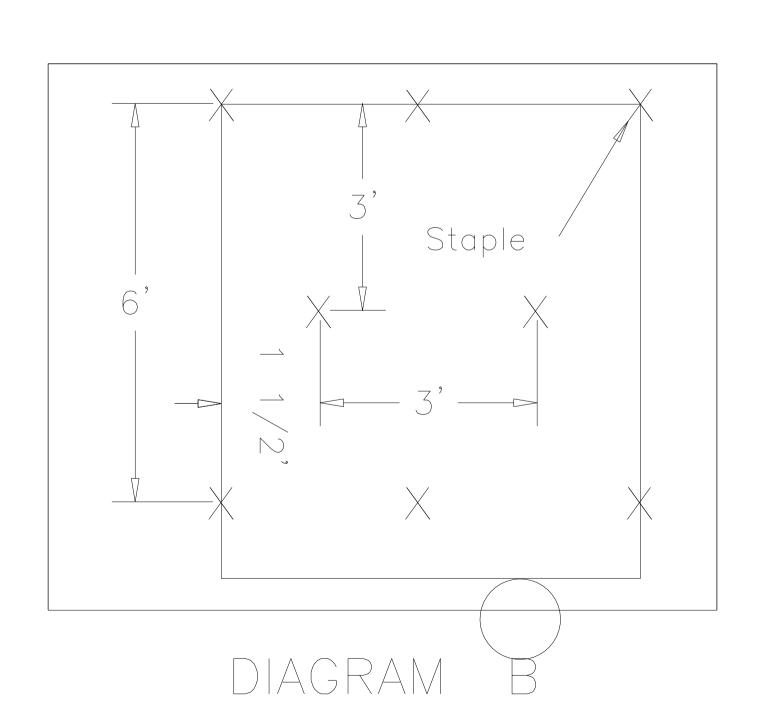


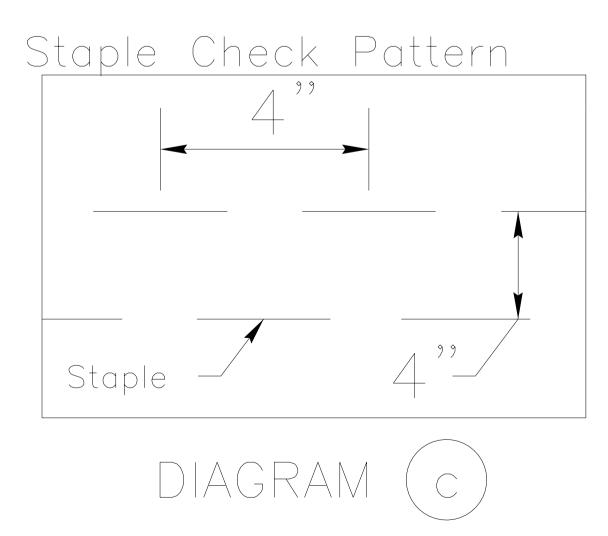
MATTING IN DITCHES



MATTING ON SLOPES



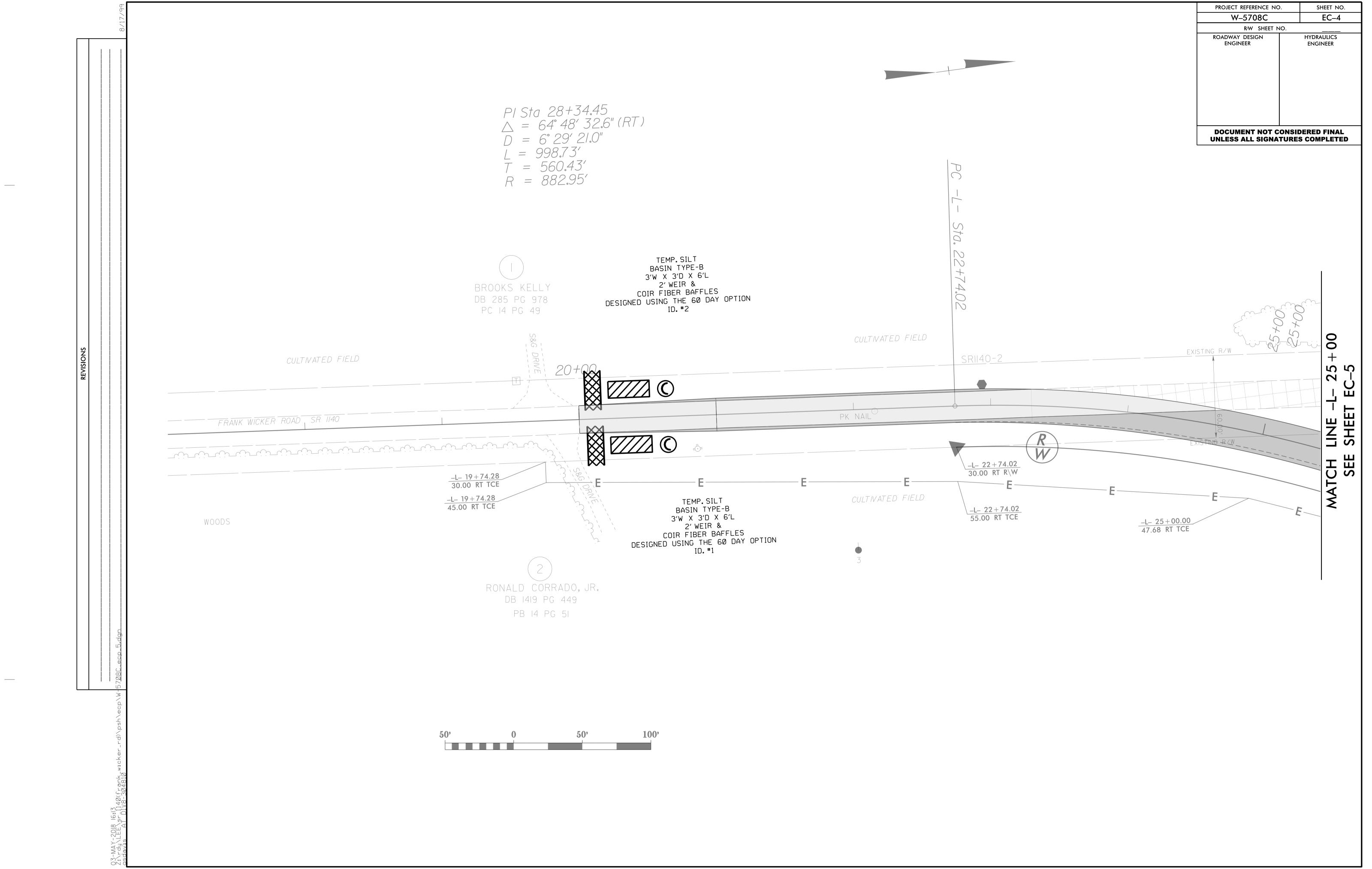


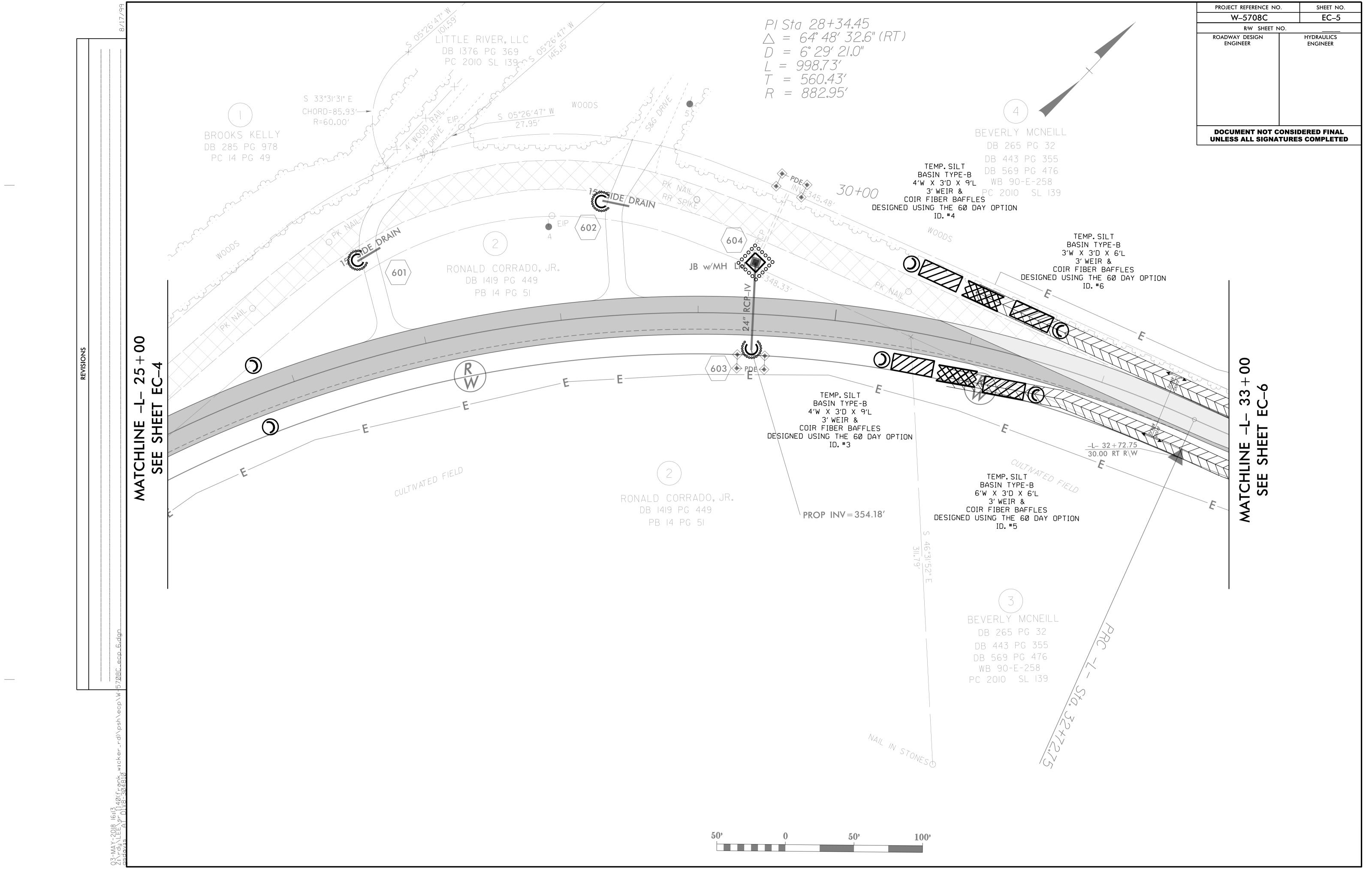


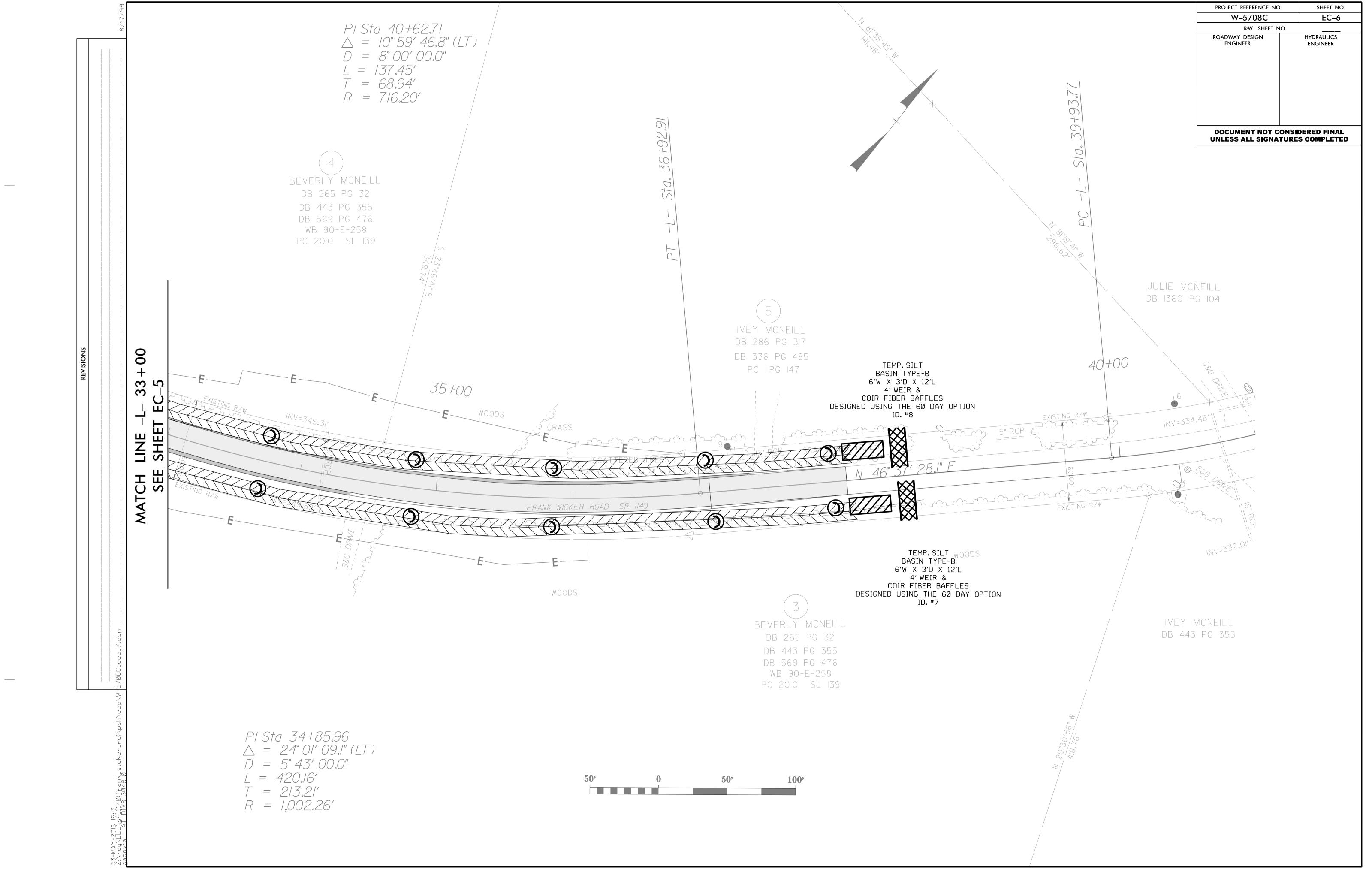
NOTES:

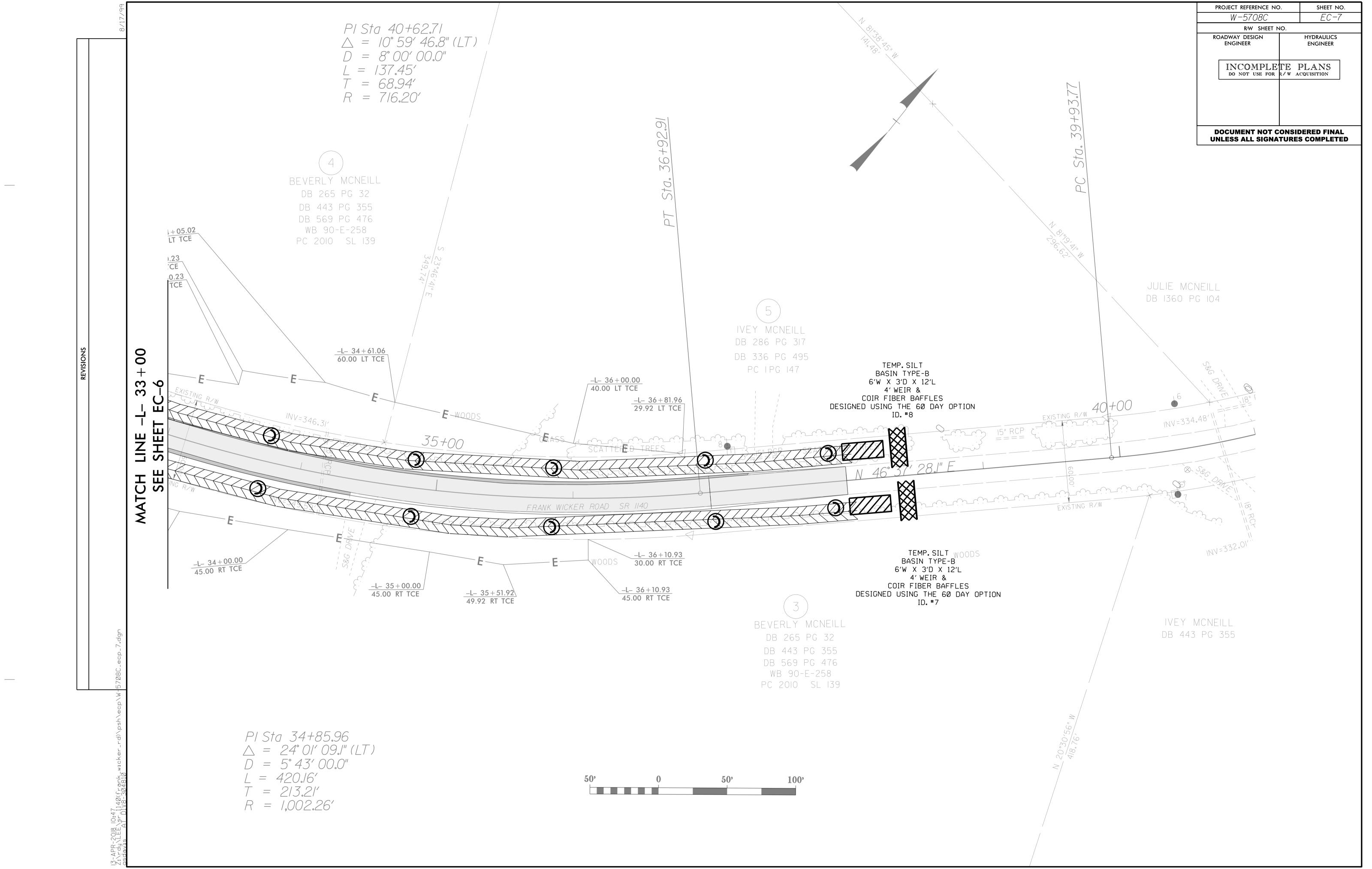
THIS DETAIL APPLIES TO STRAW, EXCELSIOR, AND PERMANENT SOIL REINFORCEMENT MAT (PSRM) INSTALLATION.

STAPLES SHALL BE NO. 11 GAUGE STEEL WIRE FORMED INTO A "U" SHAPE WITH A MINIMUM THROAT WIDTH OF 1 INCH AND NOT LESS THAN 6 INCHES IN LENGTH.









STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

PROJ. REFERENCE NO. SHEET NO. X-A

CROSS-SECTION SUMMARY

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT CROSS-SECTION SUMMARY							
Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt		
		, l	_				
-L-	(cu. yd.)	(cu. yd.)	-L-	(cu. yd.)	(cu. yd.)		
20+20.00	0	0	30+20.00	4	98		
20+40.00	1	4	30+40.00	6	89		
20+60.00	3	7	30+60.00	8	77		
20+80.00	5	8	30+80.00	11	66		
21+00.00	10	8	31+00.00	15	60		
21+20.00	15 20	7	31+20.00 31+40.00	21 27	57		
21+40.00	17	<i>1</i>	31+40.00	30	55 56		
21+55.02 21+60.00	6	2	31+70.74	16	29		
21+80.00	24	7	31+80.00	15	24		
22+00.00	27	η ο	32+00.00	33	46	Approximate quantities only. Unclassified ex	
22+20.00	31	10	32+20.00	37	39	excavation, shoulder borrow, fine grading, cle and removal of existing pavement	earing and grubbing,
22+40.00	32	11	32+20.00	41	33	will be paid for at the lump sum price for "Gra	adina".
22+57.03	27	11	32+60.00	45	27		
22+60.00	5	2	32+72.75	30	15		
22+80.00	32	14	32+80.00	17	8		
23+00.00	32	15	33+00.00	43	19		
23+08.03	13	6	33+20.00	36	17		
23+20.00	21	10	33+40.00	29	20	NOTE:	
23+40.00	43	18	33+60.00	21	30	Shoulder Material included in Embankment quantities	listed
23+60.00	55	19	33+74.75	10	33		
23+80.00	64	19	33+80.00	3	14		
24+00.00	66	19	34+00.00	10	62		
24+20.00	67	21	34+20.00	9	68		
24+40.00	72	26	34+40.00	8	53		
24+60.00	80	30	34+60.00	16	30		
24+80.00	84	35	34+80.00	19	22		
25+00.00	85	39	35+00.00	12	21		
25+20.00	78	42	35+20.00	10	15		
25+40.00	66	45	35+40.00	11	11		
25+60.00	56	48	35+60.00	13	11		
25+80.00	46	54	35+80.00	13	11		
26+00.00	37	66	36+00.00	6	6		
26+20.00	24	68	36+20.00	1	2		
26+40.00	16	69	36+40.00	1	2		
26+60.00	16	81	36+58.90	1	2		
26+80.00	16	90	36+60.00	0	0		
27+00.00	15	106	36+80.00	1	2		
27+20.00	12	127	36+92.91	1	1		
27+40.00	9	143	37+00.00	1	1		
27+60.00	9	150	37+09.90	1	1		
27+80.00	/	159	37+20.00	1	1		
28+00.00	4	170	37+40.00	1	2		
28+20.00 28+40.00	<i>A</i>	177 180	37+60.00 37+80.00	1	1		
28+60.00	2	175	31 TOU.UU	I	1		
28+80.00	<i>A</i>	163					
29+00.00	5	144					
29+20.00	6	126					
29+40.00	5	127					
29+60.00	4	128					
29+80.00	4	113					
30+00.00	4	104					
30.00.00	•	. 😅 .		ı	I		

