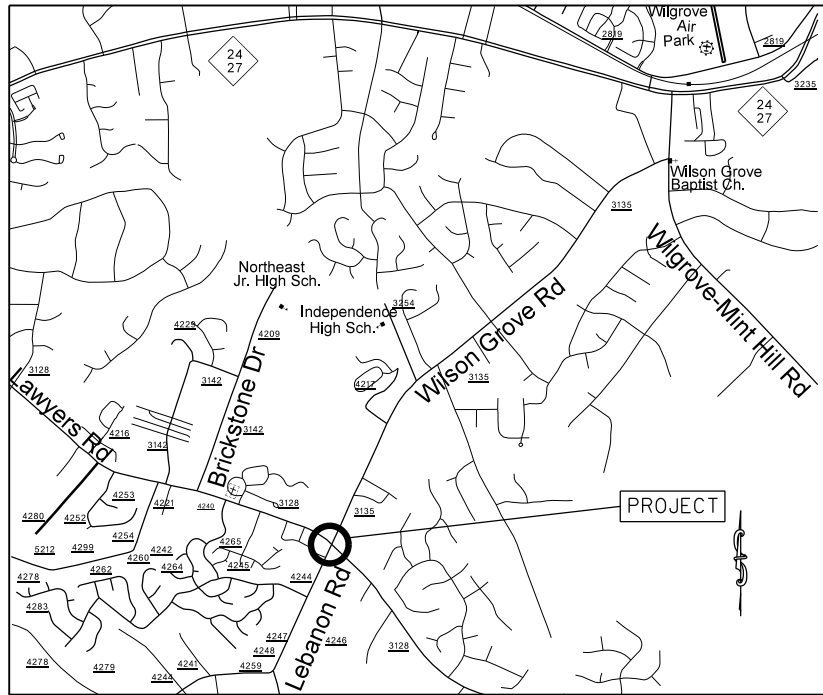


PROJECT: 50138.3.31 TIP:W-5601AD



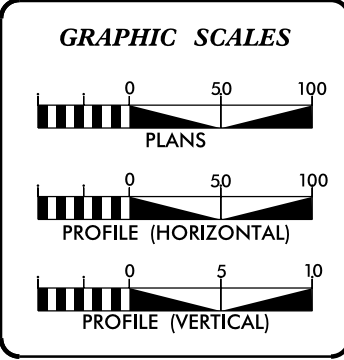
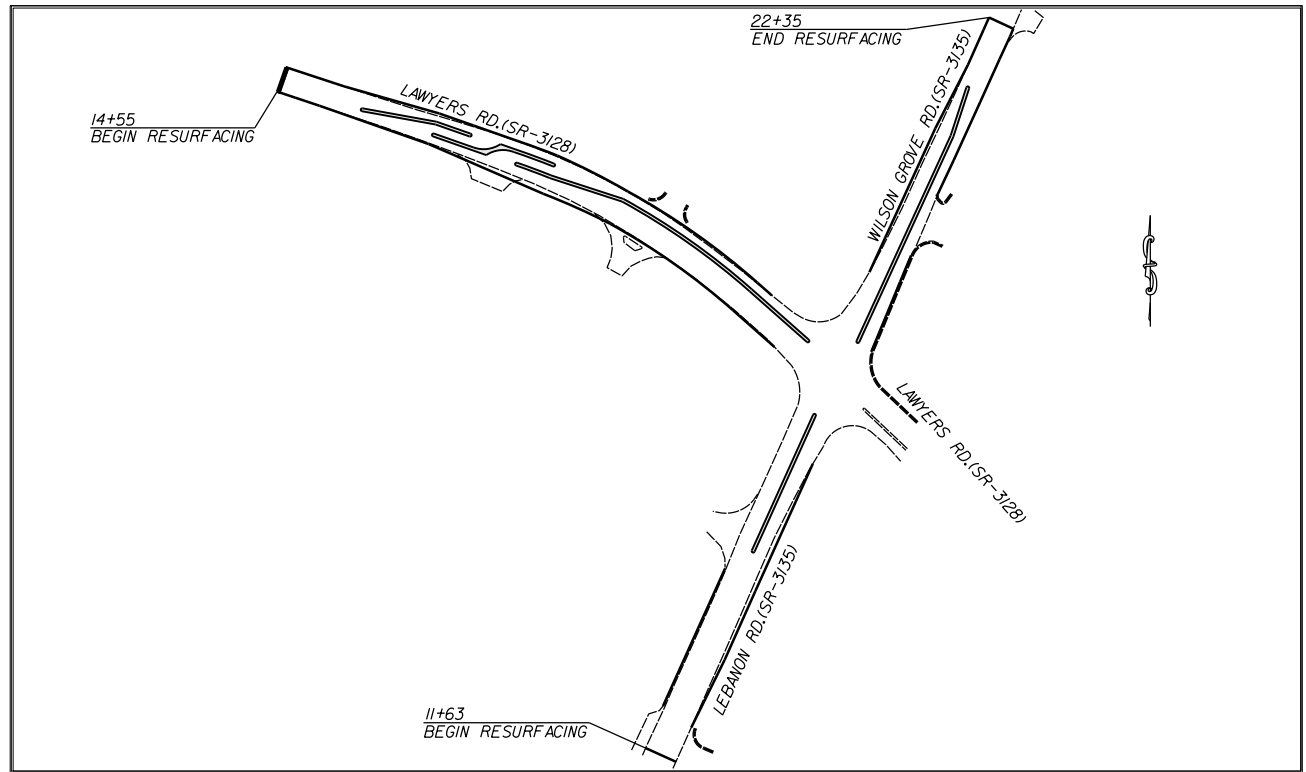
VICINITY MAP NOT TO SCALE

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
MECKLENBURG COUNTY

LOCATION: INTERSECTION OF LAWYERS ROAD (SR-3128) AT
 LEBANON ROAD (SR-3135) AND WILSON GROVE ROAD (SR-3135)

TYPE OF WORK: GRADING, PAVING, DRAINAGE, CONCRETE ISLAND,
 AND THERMOPLASTIC PAVEMENT MAKINGS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	50138.3.31	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50138.1.FD31	HSIP-3128(2)	P.E.	
50138.2.31	HSIP-3128(2)	R/W	
50138.3.31	HSIP-3128(2)	CONST.	



DESIGN DATA

ADT	=	
ADT	=	
DHV	=	%
D	=	%
T	=	%
V	=	MPH

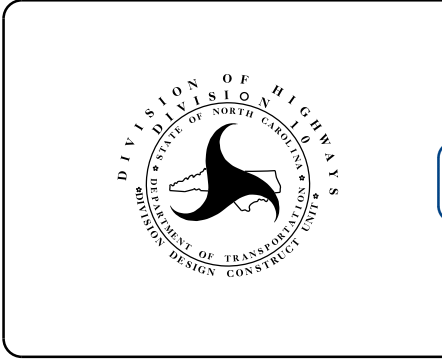
PROJECT LENGTH

LENGTH OF ROADWAY PROJECT 50138.3.31	=	0.36	MILES
TOTAL LENGTH OF STATE PROJECT 50138.3.31	=	0.36	MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
 DIVISION TEN
 DIVISION DESIGN / CONSTRUCT UNIT

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: _____	RANDY BOWERS PROJECT ENGINEER
LETTING DATE: June 15, 2016	DONALD HARWARD PROJECT DESIGN ENGINEER

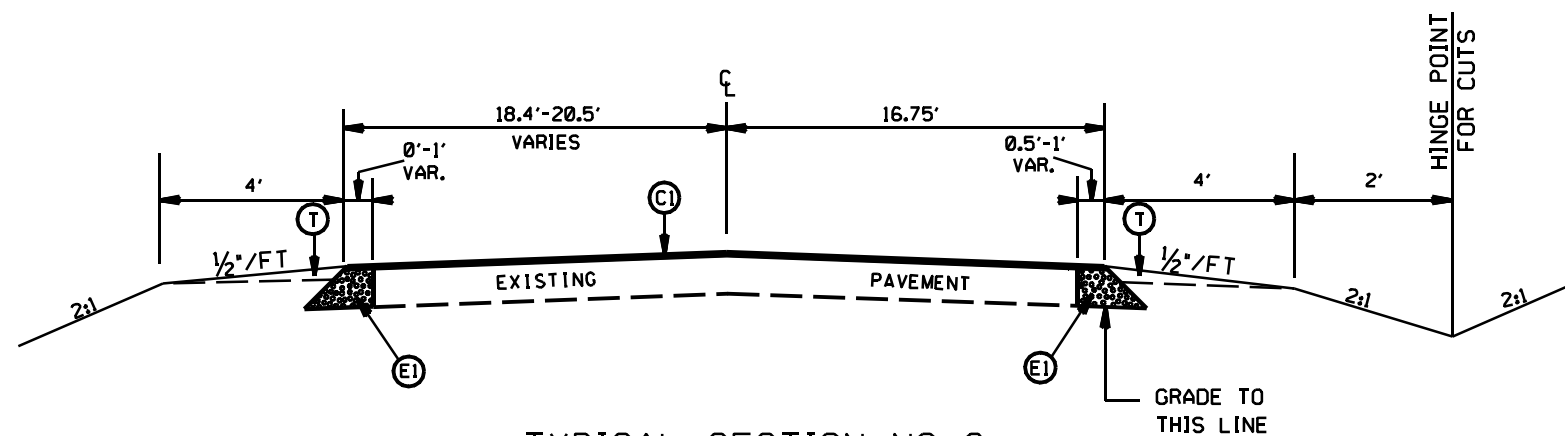


DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

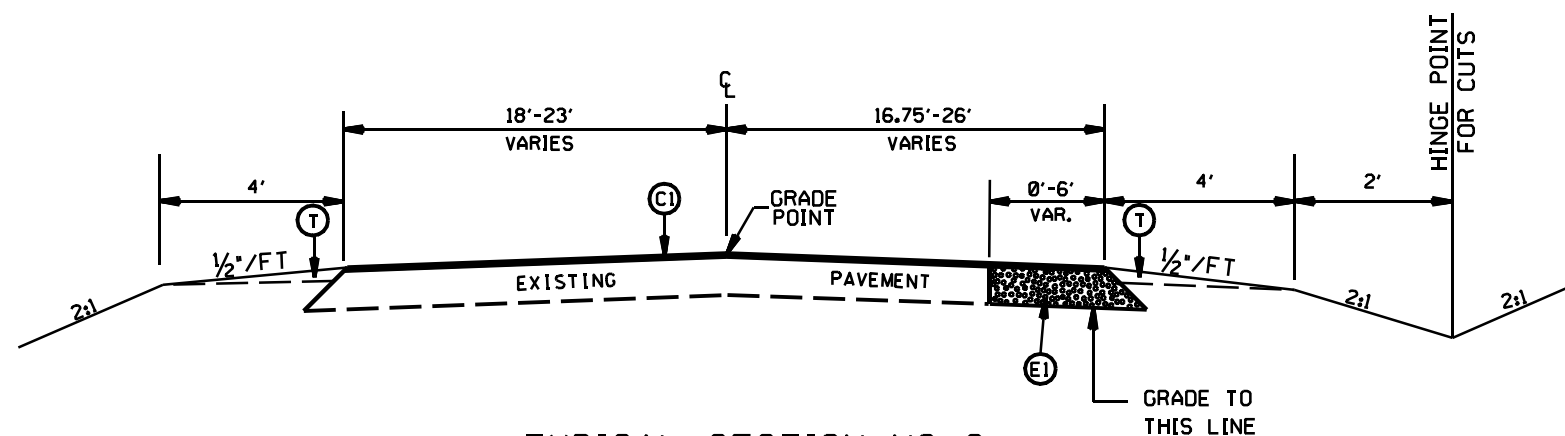
DocuSigned by:
 Randy Bowers
 52A4A66079864B2...
 APPROVED BY
 DDC ENGINEER

5/23/2016
 DATE

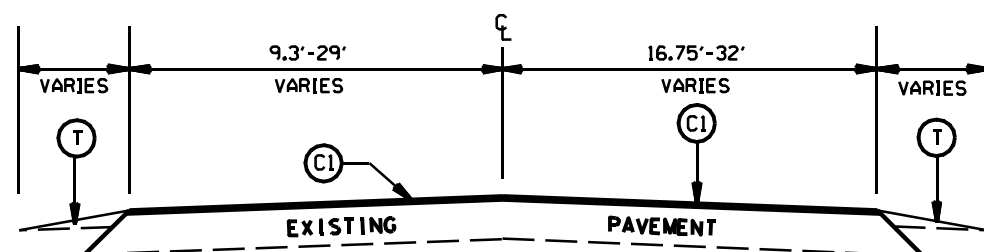
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	50138.331	2	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 3
STA. 15+36 TO 15+67 -L-



TYPICAL SECTION NO. 2
STA. 15+14 TO 15+36 -L-
STA. 12+13 TO 14+55 -Y-



TYPICAL SECTION NO. 1
STA. 14+55 TO 15+14 -L-
STA. 22+44 TO 23+55 -L-
STA. 11+63 TO 12+13 -Y-
STA. 16+60 TO 16+87 -Y-
STA. 21+66 TO 22+35 -Y-

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1 1/2" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(E1)	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
(R1)	PROP. 2'-6" CURB & GUTTER
(R4)	PROP. 5" MONOLITHIC ISLAND
(T)	EARTH MATERIAL

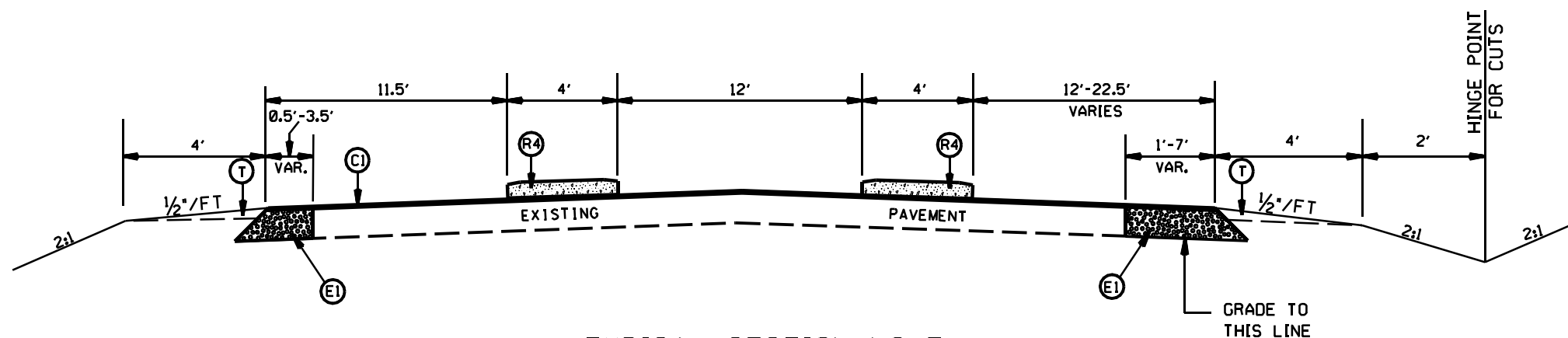
LEFT TURNS AND CONC. ISLANDS ON
WILSON GROVE RD. (SR-3135), AND
LAWYERS RD. (SR-3128), AND
LEBANON RD. (SR-3135)

SCALE	N/A
DATE	1-2016
DWG. BY	DL5
DESIGN BY	JDH
APPROVED	RWB



REVISIONS	

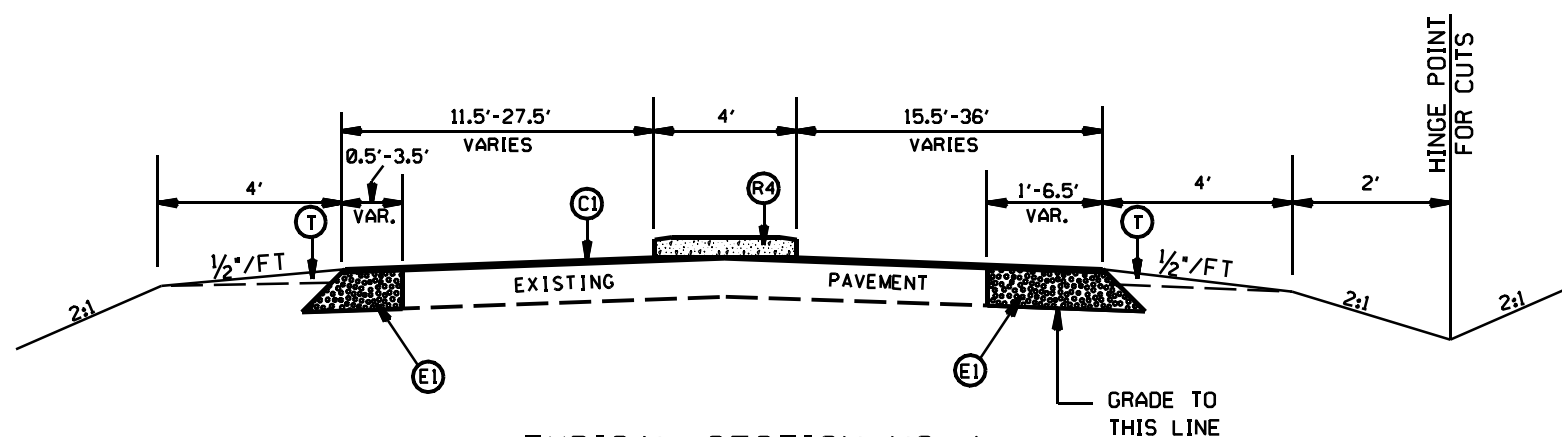
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	50138.331	2A	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 5
 STA. 16+68 TO 17+18 -L-
 STA. 17+85 TO 18+35 -L-

PAVEMENT SCHEDULE

(CI)	PROP. APPROX. 1 1/2" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(E1)	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
(R1)	PROP. 2'-6" CURB & GUTTER
(R4)	PROP. 5" MONOLITHIC ISLAND
(T)	EARTH MATERIAL

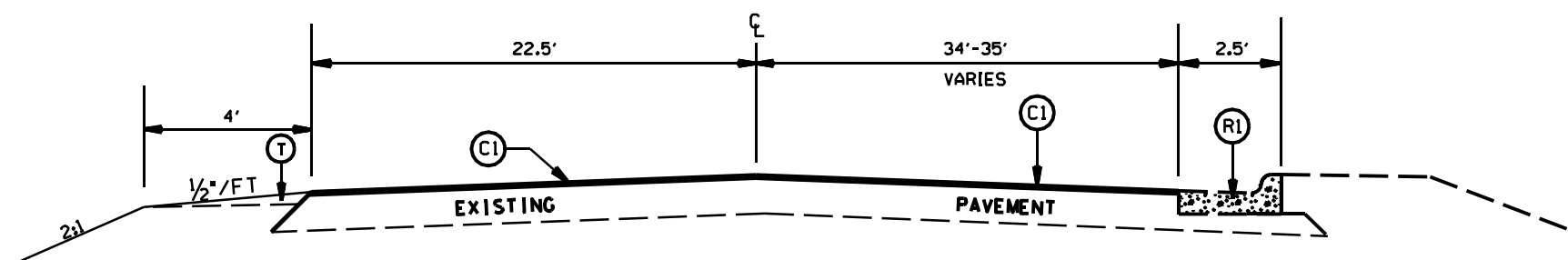


TYPICAL SECTION NO. 4
 STA. 15+67 TO 16+68 -L-
 STA. 17+18 TO 17+85 -L-
 STA. 18+35 TO 21+66 -L-

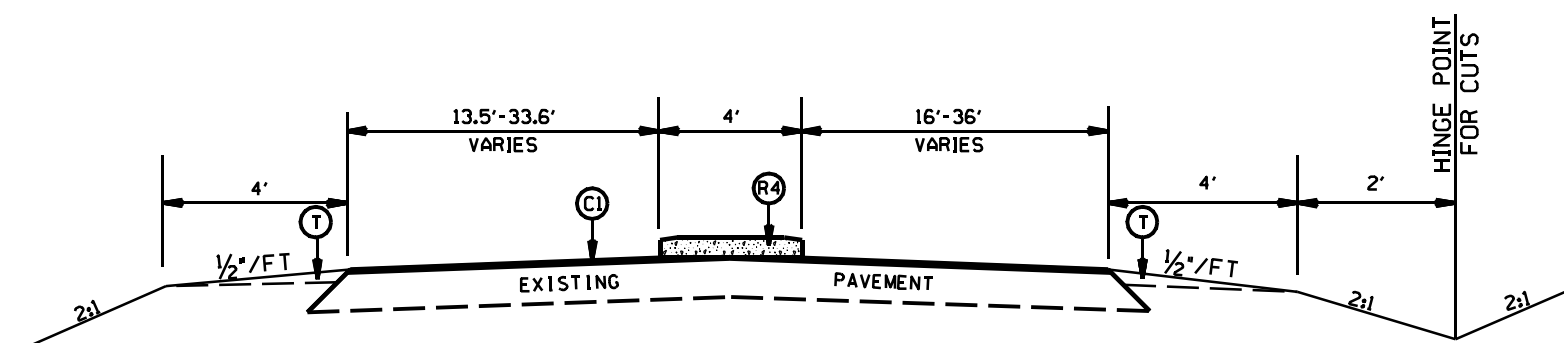
LEFT TURNS AND CONC. ISLANDS ON
 WILSON GROVE RD. (SR-3135), AND
 LAWYERS RD. (SR-3128), AND
 LEBANON RD. (SR-3135)

SCALE	N/A		REVISIONS
DATE	1-2016		
DWG. BY	DLS		
DESIGN BY	JDH		
APPROVED	RWB		

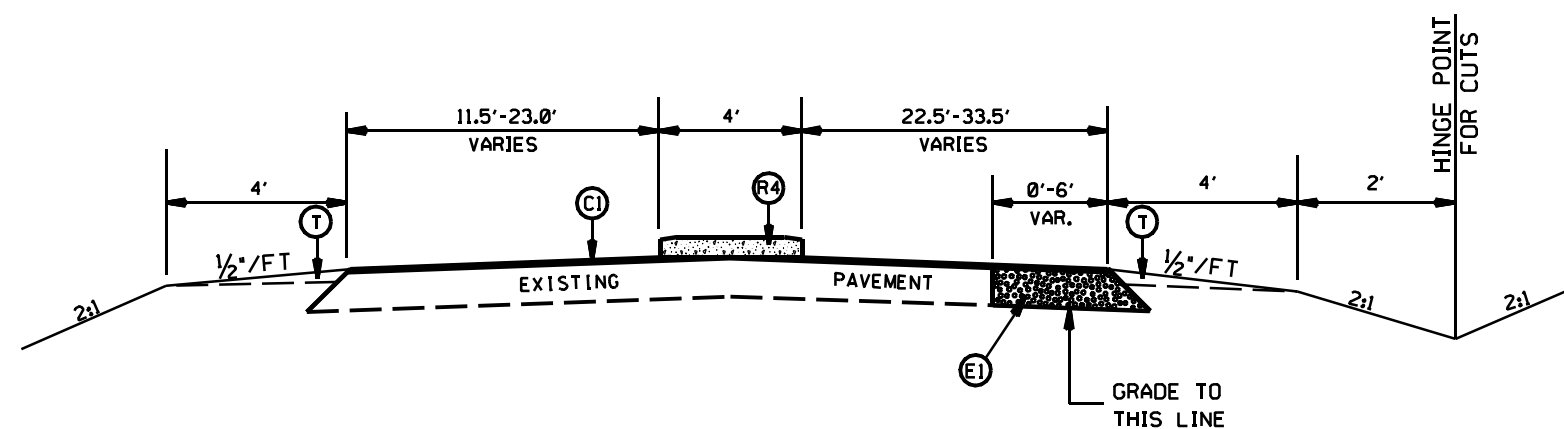
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	50138.331	28	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 8
STA. 17+48 TO 17+69 -Y-



TYPICAL SECTION NO. 7
STA. 22+14 TO 22+44 -L-
STA. 15+98 TO 16+60 -Y-



TYPICAL SECTION NO. 6
STA. 21+66 TO 22+14 -L-
STA. 14+55 TO 15+98 -Y-

PAVEMENT SCHEDULE

(CI)	PROP. APPROX. 1 1/2" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(E1)	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
(R1)	PROP. 2'-6" CURB & GUTTER
(R4)	PROP. 5" MONOLITHIC ISLAND
(T)	EARTH MATERIAL

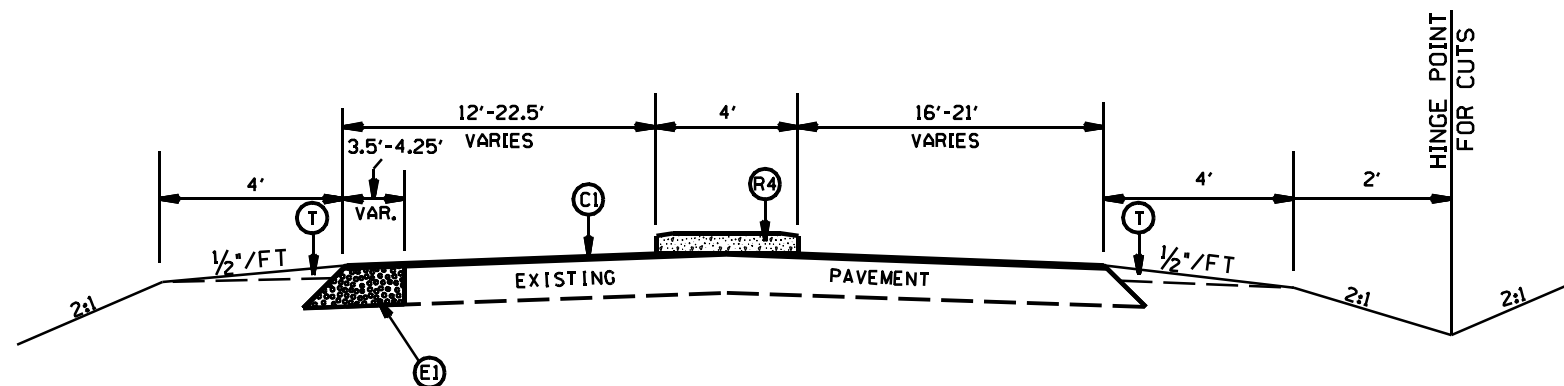
LEFT TURNS AND CONC. ISLANDS ON
WILSON GROVE RD. (SR-3135), AND
LAWYERS RD. (SR-3128), AND
LEBANON RD. (SR-3135)

SCALE	N/A
DATE	1-2016
DWG. BY	DL5
DESIGN BY	JDH
APPROVED	RWB

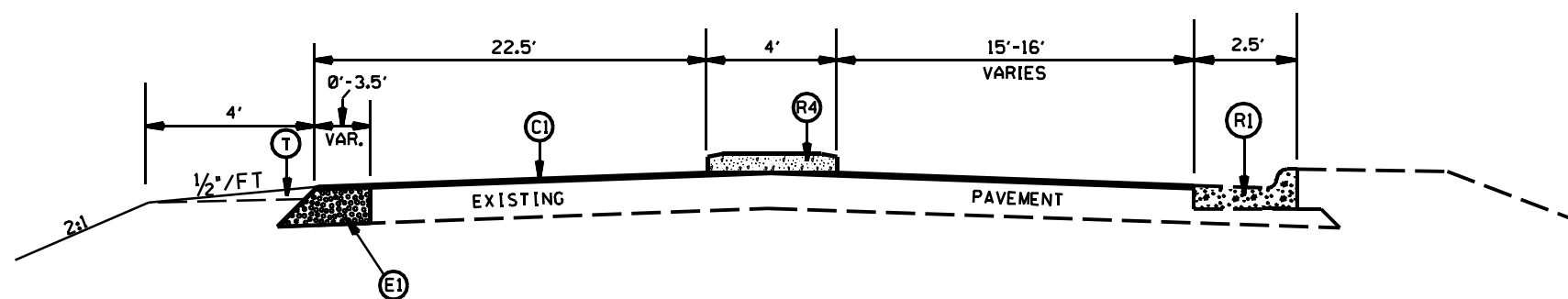


REVISIONS	

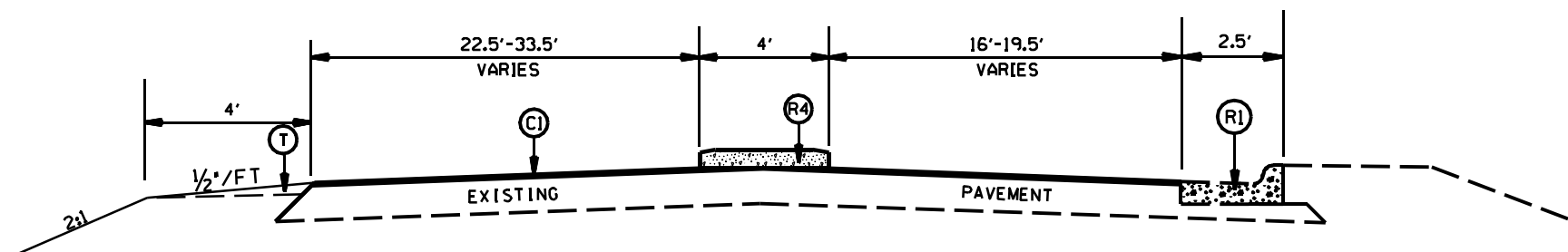
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	50138.331	20	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 11
STA. 19+35 TO 21+40 -Y-



TYPICAL SECTION NO. 10
STA. 18+61 TO 19+35 -Y-



TYPICAL SECTION NO. 9
STA. 17+69 TO 18+61 -Y-

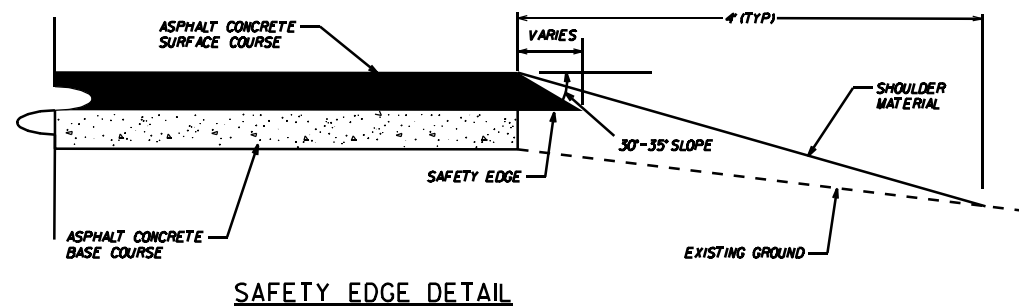
PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1½" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(E1)	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
(R1)	PROP. 2'-6" CURB & GUTTER
(R4)	PROP. 5" MONOLITHIC ISLAND
(T)	EARTH MATERIAL

LEFT TURNS AND CONC. ISLANDS ON
WILSON GROVE RD. (SR-3135), AND
LAWYERS RD. (SR-3128), AND
LEBANON RD. (SR-3135)

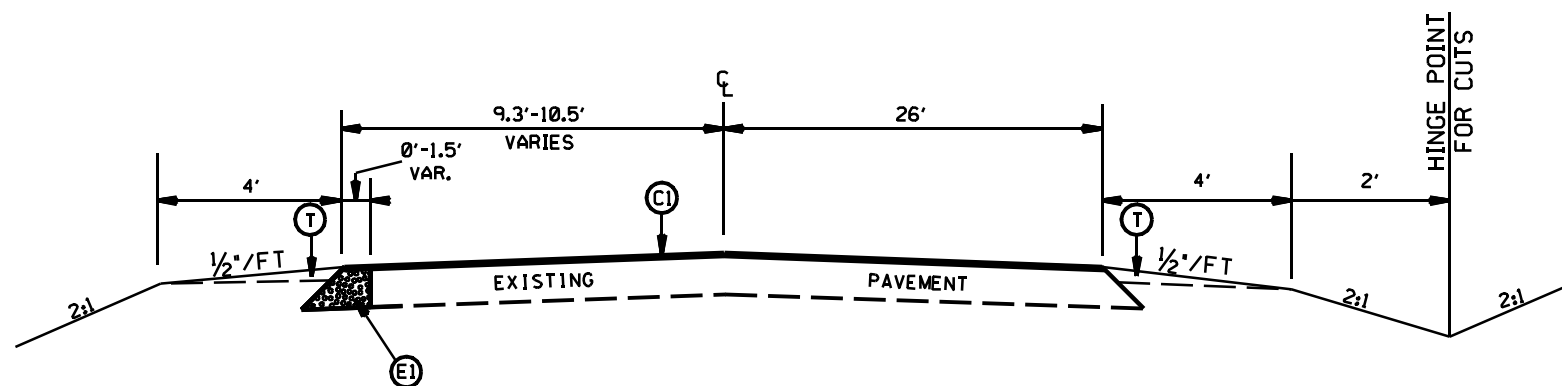
SCALE	N/A		REVISIONS
DATE	1-2016		
DWG. BY	DL5		
DESIGN BY	JDH		
APPROVED	RWB		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	50138.3.31	20	
F.A. PROJECT NO.			



PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1½" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(E1)	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
(R1)	PROP. 2'-6" CURB & GUTTER
(R4)	PROP. 5" MONOLITHIC ISLAND
(T)	EARTH MATERIAL

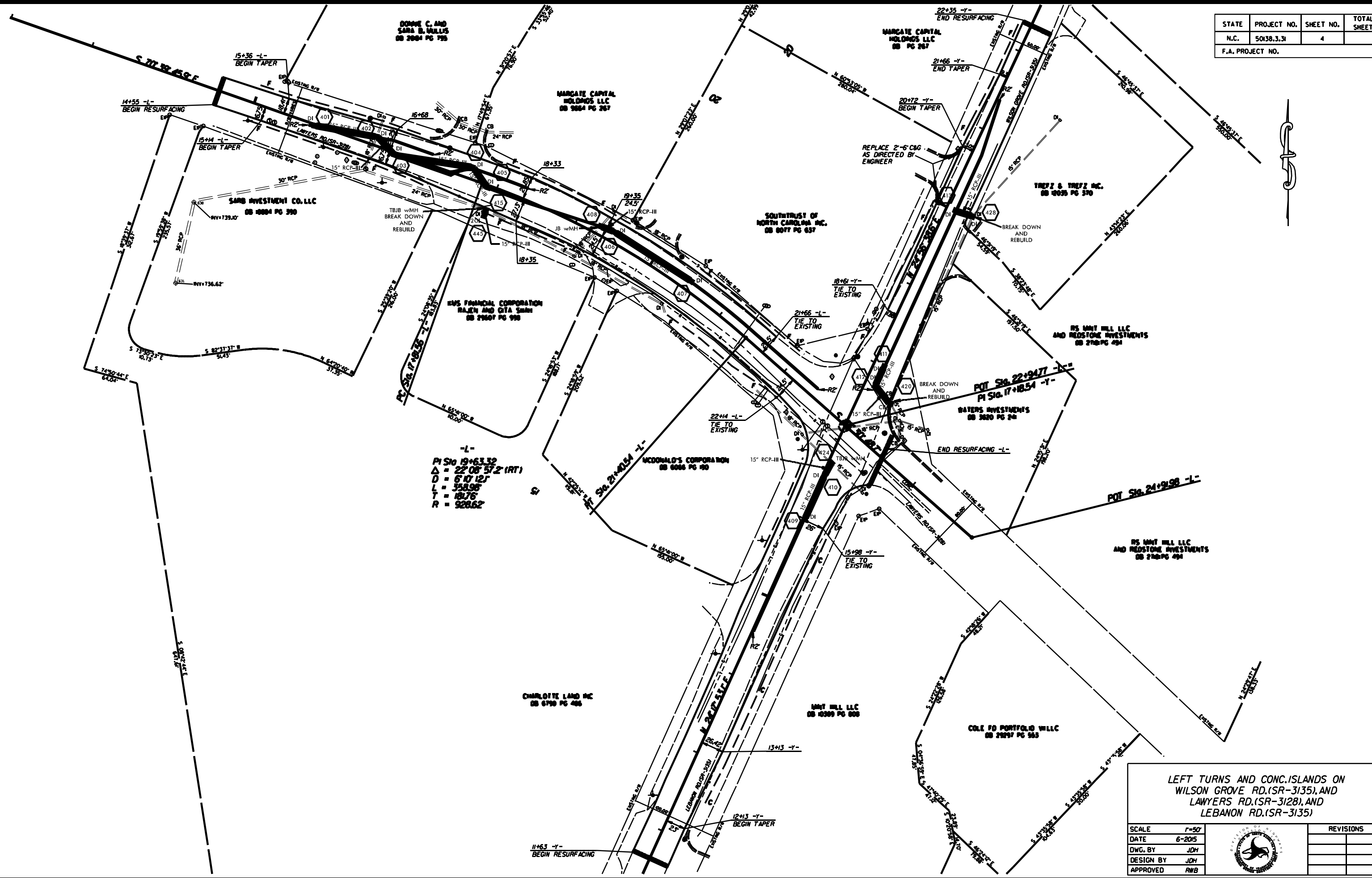


TYPICAL SECTION NO. 12
STA. 21+40 TO 21+66 -Y-

LEFT TURNS AND CONC. ISLANDS ON
WILSON GROVE RD. (SR-3135), AND
LAWYERS RD. (SR-3128), AND
LEBANON RD. (SR-3135)


SCALE	N/A		REVISIONS
DATE	1-2016		
DWG. BY	DL5		
DESIGN BY	JDH		
APPROVED	RWB		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	50138.3.3i	4	
F.A. PROJECT NO.			

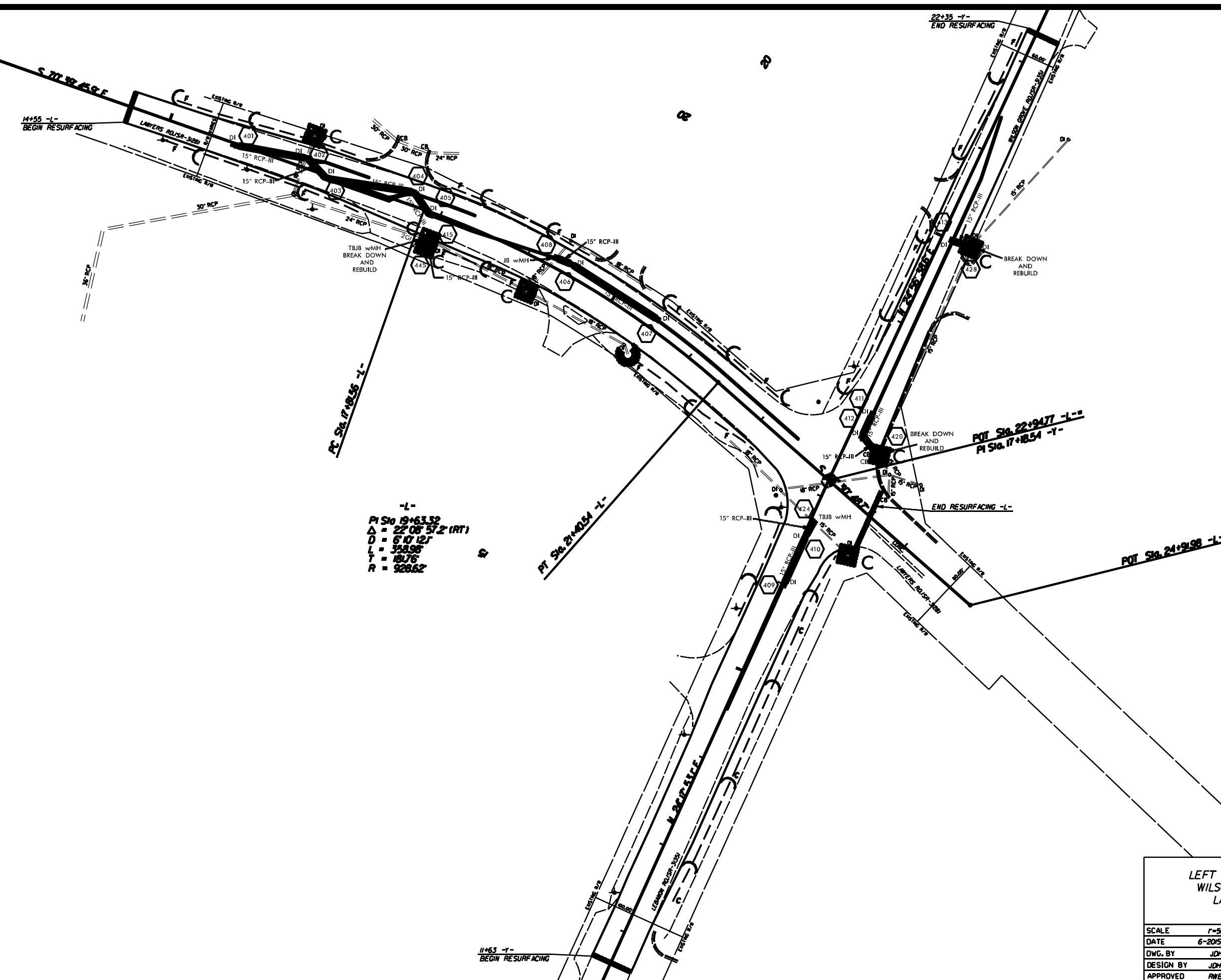


-L-
 PI Sta 19+63.32
 $\Delta = 22^{\circ}08'57.2''$ (RT)
 $D = 6'10'12.1''$
 $L = 358.98'$
 $T = 181.76'$
 $R = 928.62'$

**LEFT TURNS AND CONC. ISLANDS ON
 WILSON GROVE RD.(SR-3135), AND
 LAWYERS RD.(SR-3128), AND
 LEBANON RD.(SR-3135)**


SCALE	1"=50'		REVISIONS
DATE	6-2015		
DWG. BY	JDH		
DESIGN BY	JDH		
APPROVED	RWB		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	50138.3.31	EC-2	
F.A. PROJECT NO.			

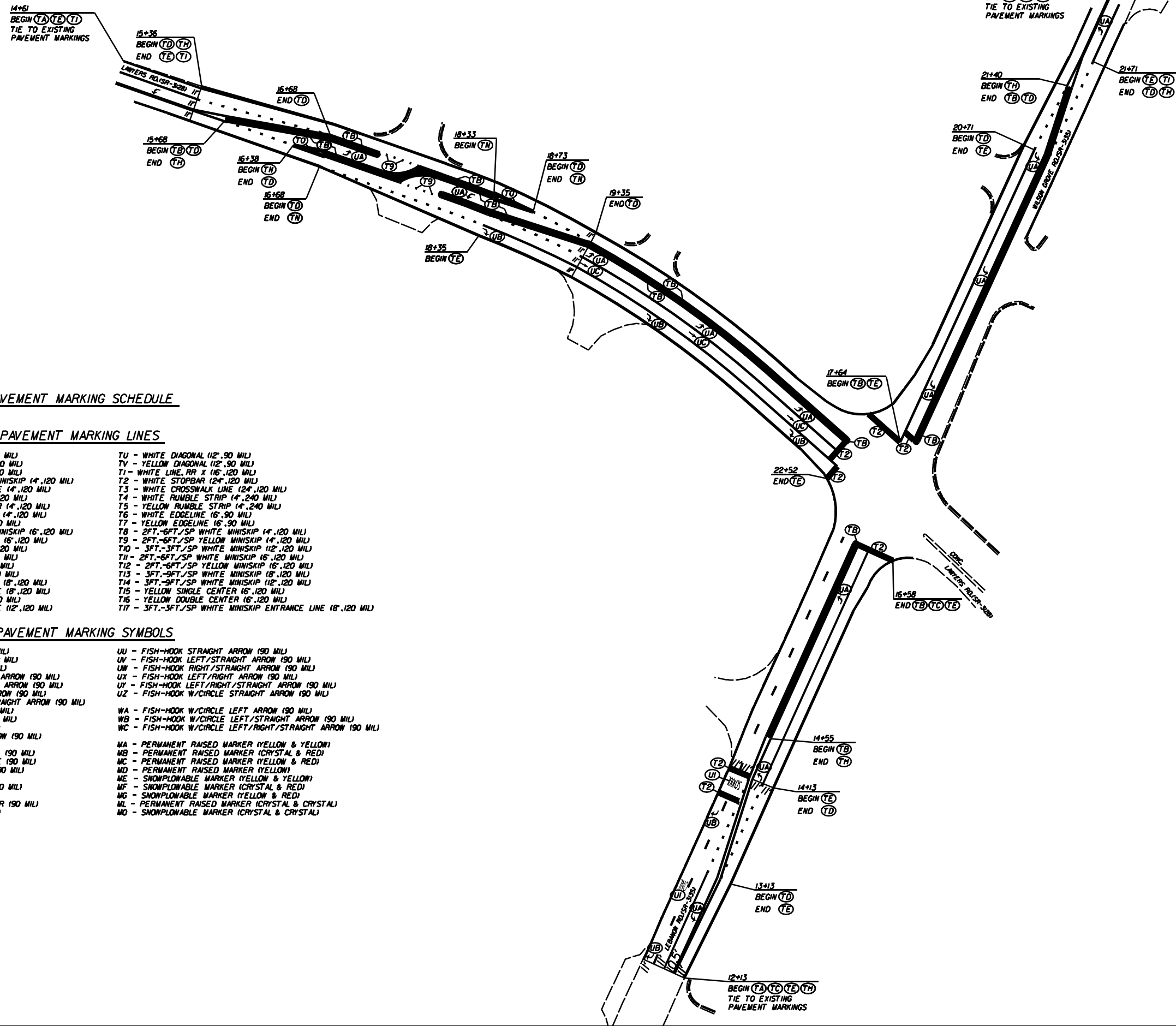


-L-
 PI Sta 19+63.32
 $\Delta = 22^{\circ}08'57.2" (RT)$
 $D = 6'10'12"$
 $L = 358.98'$
 $T = 181.76'$
 $R = 928.62'$

**LEFT TURNS AND CONC. ISLANDS ON
 WILSON GROVE RD.(SR-3135),AND
 LAWYERS RD.(SR-3128),AND
 LEBANON RD.(SR-3135)**

SCALE	1"=50'		REVISIONS
DATE	6-2015		
DWG. BY	JDH		
DESIGN BY	JDH		
APPROVED	RWB		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	50138.3.31	PMP-1	
F.A. PROJECT NO.			



PAVEMENT MARKING SCHEDULE

PAVEMENT MARKING LINES

- | | |
|--|---|
| TA - WHITE EDGELINE (4'.90 MIL) | TU - WHITE DIAGONAL (12'.90 MIL) |
| TB - YELLOW EDGELINE (4'.90 MIL) | TV - YELLOW DIAGONAL (12'.90 MIL) |
| TC - 10FT. WHITE SKIP (4'.120 MIL) | TW - WHITE LINE, RR X (16'.120 MIL) |
| TD - 3FT.-9FT./SP WHITE MINISKIP (4'.120 MIL) | TX - WHITE STOPBAR (24'.120 MIL) |
| TE - WHITE SOLID LANE LINE (4'.120 MIL) | TY - WHITE CROSSWALK LINE (24'.120 MIL) |
| TF - 10FT. YELLOW SKIP (4'.120 MIL) | TZ - WHITE RUMBLE STRIP (4'.240 MIL) |
| TH - YELLOW SINGLE CENTER (4'.120 MIL) | T1 - YELLOW RUMBLE STRIP (4'.240 MIL) |
| TI - YELLOW DOUBLE CENTER (4'.120 MIL) | T2 - WHITE EDGELINE (16'.90 MIL) |
| TJ - 10FT. WHITE SKIP (16'.120 MIL) | T3 - YELLOW EDGELINE (16'.90 MIL) |
| TK - 3FT.-9FT./SP WHITE MINISKIP (16'.120 MIL) | T4 - 2FT.-6FT./SP WHITE MINISKIP (4'.120 MIL) |
| TL - WHITE SOLID LANE LINE (16'.120 MIL) | T5 - 2FT.-6FT./SP YELLOW MINISKIP (4'.120 MIL) |
| TM - 10FT. YELLOW SKIP (16'.120 MIL) | T6 - 3FT.-9FT./SP WHITE MINISKIP (12'.120 MIL) |
| TN - WHITE GORELINE (18'.90 MIL) | T7 - 2FT.-6FT./SP WHITE MINISKIP (16'.120 MIL) |
| TO - WHITE DIAGONAL (18'.90 MIL) | T8 - 2FT.-6FT./SP YELLOW MINISKIP (16'.120 MIL) |
| TP - YELLOW DIAGONAL (18'.90 MIL) | T9 - 3FT.-9FT./SP WHITE MINISKIP (18'.120 MIL) |
| TQ - WHITE CROSSWALK LINE (18'.120 MIL) | T10 - 3FT.-9FT./SP WHITE MINISKIP (12'.120 MIL) |
| TR - WHITE SOLID LANE LINE (18'.120 MIL) | T11 - 2FT.-6FT./SP WHITE MINISKIP (16'.120 MIL) |
| TS - WHITE GORELINE (12'.90 MIL) | T12 - 2FT.-6FT./SP YELLOW MINISKIP (16'.120 MIL) |
| TT - WHITE SOLID LANE LINE (12'.120 MIL) | T13 - 3FT.-9FT./SP WHITE MINISKIP (18'.120 MIL) |
| | T14 - 3FT.-9FT./SP WHITE MINISKIP (12'.120 MIL) |
| | T15 - YELLOW SINGLE CENTER (16'.120 MIL) |
| | T16 - YELLOW DOUBLE CENTER (16'.120 MIL) |
| | T17 - 3FT.-3FT./SP WHITE MINISKIP ENTRANCE LINE (18'.120 MIL) |

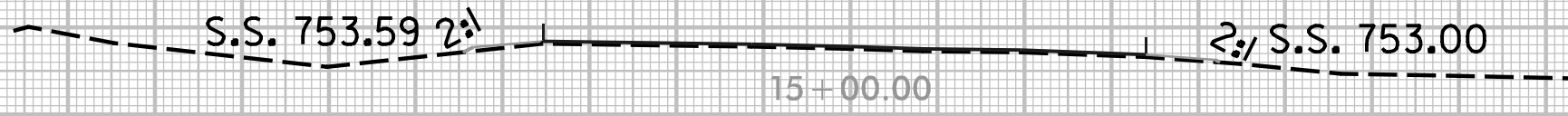
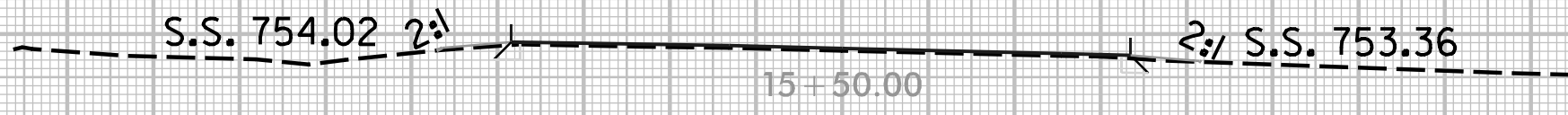
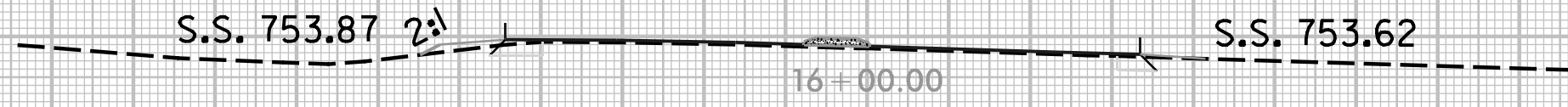
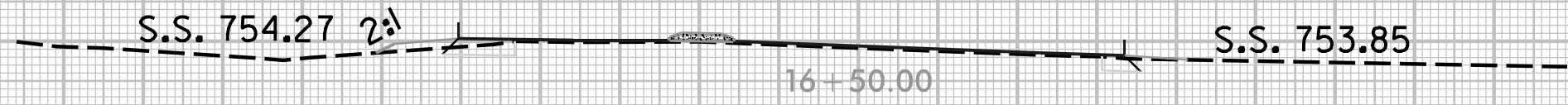
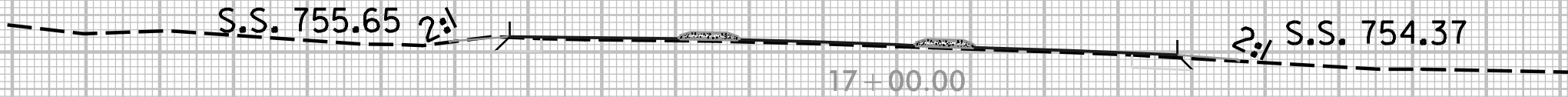
PAVEMENT MARKING SYMBOLS

- | | |
|--|--|
| UA - LEFT TURN ARROW (90 MIL) | UU - FISH-HOOK STRAIGHT ARROW (90 MIL) |
| UB - RIGHT TURN ARROW (90 MIL) | UV - FISH-HOOK LEFT/STRAIGHT ARROW (90 MIL) |
| UC - STRAIGHT ARROW (90 MIL) | UN - FISH-HOOK RIGHT/STRAIGHT ARROW (90 MIL) |
| UD - COMBO. LEFT/STRAIGHT ARROW (90 MIL) | UX - FISH-HOOK LEFT/RIGHT ARROW (90 MIL) |
| UE - COMBO. RIGHT/STRAIGHT ARROW (90 MIL) | UY - FISH-HOOK LEFT/RIGHT/STRAIGHT ARROW (90 MIL) |
| UF - COMBO. LEFT/RIGHT ARROW (90 MIL) | UZ - FISH-HOOK W/CIRCLE STRAIGHT ARROW (90 MIL) |
| UG - COMBO. LEFT/RIGHT/STRAIGHT ARROW (90 MIL) | |
| UH - HANDICAP PARKING (90 MIL) | VA - FISH-HOOK W/CIRCLE LEFT ARROW (90 MIL) |
| UI - ALPHANUMERIC CHAR. (120 MIL) | VB - FISH-HOOK W/CIRCLE LEFT/STRAIGHT ARROW (90 MIL) |
| UJ - BICYCLE SYMBOL (90 MIL) | VC - FISH-HOOK W/CIRCLE LEFT/RIGHT/STRAIGHT ARROW (90 MIL) |
| UK - BICYCLE STRAIGHT ARROW (90 MIL) | |
| UL - BICYCLE CHAR. (120 MIL) | VA - PERMANENT RAISED MARKER (YELLOW & YELLOW) |
| UM - 12" YIELD LINE TRIANGLE (90 MIL) | VB - PERMANENT RAISED MARKER (CRYSTAL & RED) |
| UN - 24" YIELD LINE TRIANGLE (90 MIL) | VC - PERMANENT RAISED MARKER (YELLOW & RED) |
| UO - BICYCLE LEFT ARROW (90 MIL) | VD - PERMANENT RAISED MARKER (YELLOW) |
| UP - MERGE ARROW (90 MIL) | VE - SNOWPLOWABLE MARKER (YELLOW & YELLOW) |
| UR - RAMP ARROW SYMBOL (90 MIL) | VF - SNOWPLOWABLE MARKER (CRYSTAL & RED) |
| US - SHARROW (90 MIL) | VG - SNOWPLOWABLE MARKER (YELLOW & RED) |
| UT - BICYCLE LOOP DETECTOR (90 MIL) | VL - PERMANENT RAISED MARKER (CRYSTAL & CRYSTAL) |
| UU - U-TURN ARROW (90 MIL) | VM - SNOWPLOWABLE MARKER (CRYSTAL & CRYSTAL) |

**LEFT TURNS AND CONC. ISLANDS ON
WILSON GROVE RD. (SR-3135), AND
LAWYERS RD. (SR-3128), AND
LEBANON RD. (SR-3135)**

SCALE	1"=50'		REVISIONS
DATE	1-2016		
DWG. BY	JDH		
DESIGN BY	JDH		
APPROVED	RWB		

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75



75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

CUSTOMER'S PROPERTY

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

23 + 50.00

23 + 50.00

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

23 + 00.00

23 + 00.00

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

22 + 50.00

22 + 50.00

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

S.S. 763.31

2:1 S.S. 761.50

22 + 00.00

S.S. 762.71 2:1

762.63

2:1 S.S. 757.30

21 + 50.00

CUSTOMER'S PROPERTY
NO PART OF THIS DRAWING
TO BE REPRODUCED OR
TRANSMITTED IN ANY
FORM OR BY ANY MEANS
ELECTRONIC OR MECHANICAL
INCLUDING PHOTOCOPYING
RECORDING OR BY ANY
INFORMATION STORAGE
RETRIEVAL SYSTEM
WITHOUT PERMISSION
IN WRITING FROM THE
ENGINEER OF RECORD

