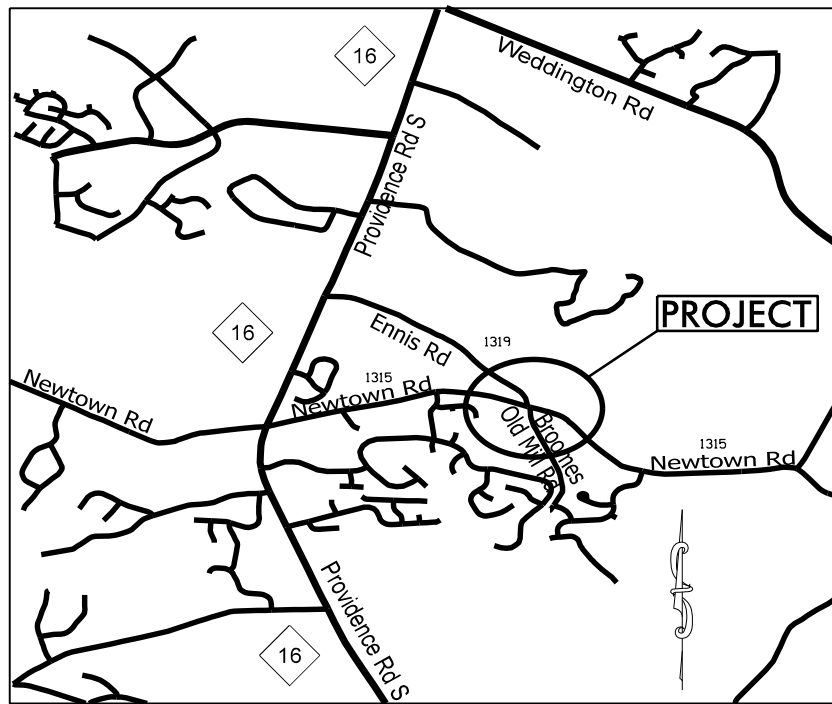


**PROJECT: 44856.3.21 TIP:W-5710U**

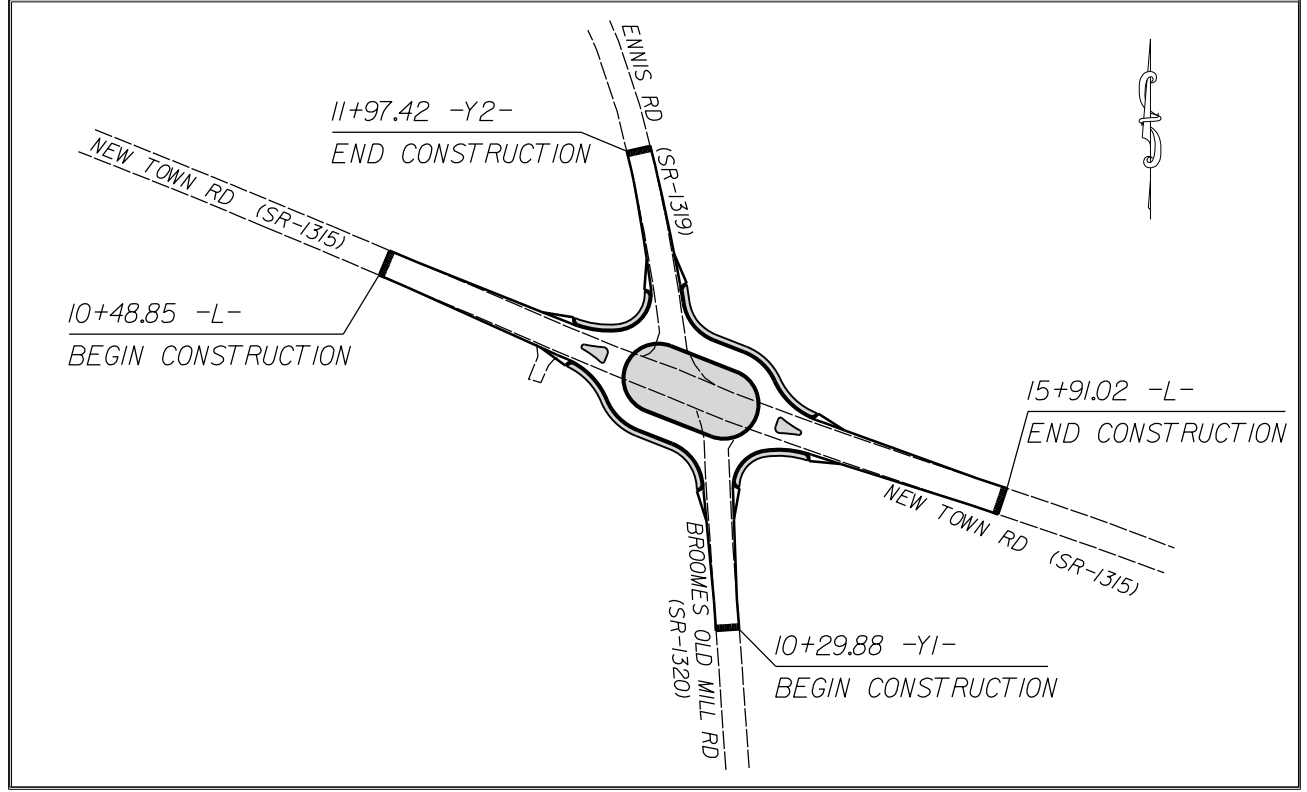


VICINITY MAP NOT TO SCALE

STATE OF NORTH CAROLINA  
 DIVISION OF HIGHWAYS  
**UNION COUNTY**

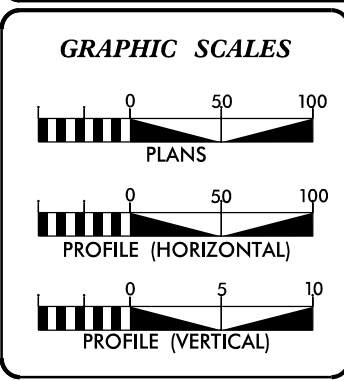
**LOCATION:** INTERSECTION OF NEW TOWN RD. (SR-1315), ENNIS RD (SR-1319),  
 AND BROOMES OLD MILL RD. (SR-1320)

**TYPE OF WORK:** GRADING, DRAINAGE, MILLING, PAVING, MONOLITHIC CONCRETE ISLANDS,  
 AND THERMOPLASTIC PAVEMENT MARKINGS



**CLEARING ON THIS PROJECT SHALL BE TO THE LIMITS ESTABLISHED BY METHOD III AS DESCRIBED IN THE NCDOT STANDARD DRAWINGS**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	44856.3.21	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44856.1.21	HSIP-1315(020)	P.E.	
44856.2.21	HSIP-1315(020)	R/W	
44856.3.21	HSIP-1315(020)	CONST.	



**DESIGN DATA**

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

**PROJECT LENGTH**

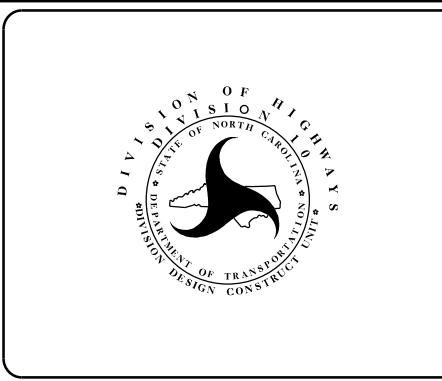
LENGTH OF ROADWAY PROJECT 44856.3.21	=	0.21	MILES
TOTAL LENGTH OF STATE PROJECT 44856.3.21	=	0.21	MILES

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

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2018 STANDARD SPECIFICATIONS

<b>RIGHT OF WAY DATE:</b> FEBRUARY 3, 2022	<b>DONALD HARWARD</b> PROJECT ENGINEER
<b>LETTING DATE:</b> OCTOBER 19, 2022	<b>JASON BROOKS</b> PROJECT DESIGN ENGINEER



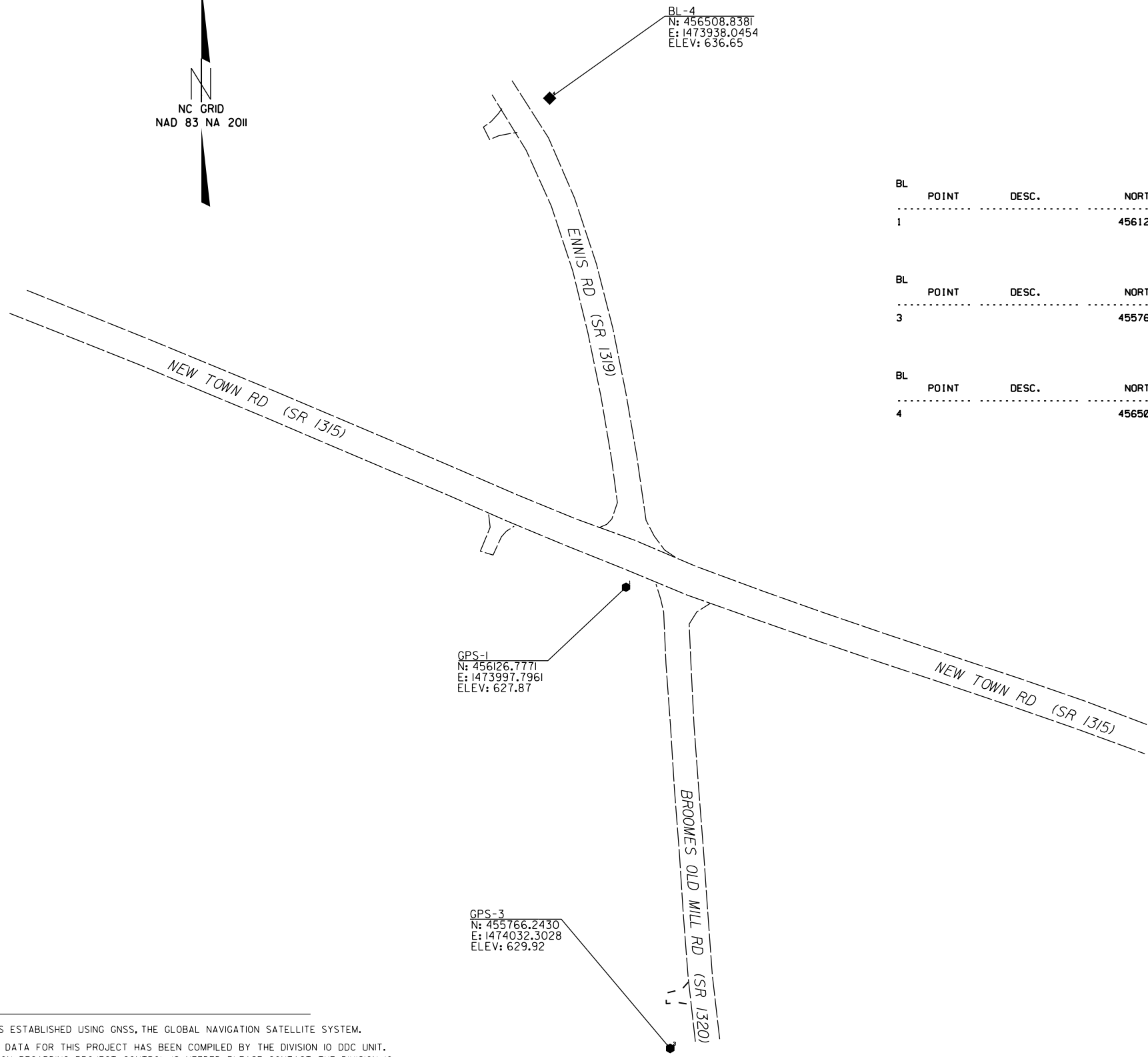
**ROADWAY DESIGN ENGINEER**

DocuSigned by:  
  
 A02E75C60FFD40B...

SIGNATURE

PROJECT NO.	SHEET NO.
44856.3.21	IA
F.A. PROJECT NO.	HSIP-1315(020)

# SURVEY CONTROL SHEET



BL-4  
 N: 456508.8381  
 E: 1473938.0454  
 ELEV: 636.65

GPS-1  
 N: 456126.7771  
 E: 1473997.7961  
 ELEV: 627.87

GPS-3  
 N: 455766.2430  
 E: 1474032.3028  
 ELEV: 629.92

BL POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
1		456126.7771	1473997.7961	627.87	13+09.99	23.73 RT

BL POINT	DESC.	NORTH	EAST	ELEVATION	Y1 STATION	OFFSET
3		455766.2430	1474032.3028	629.92	OUTSIDE PROJECT LIMITS	

BL POINT	DESC.	NORTH	EAST	ELEVATION	Y2 STATION	OFFSET
4		456508.8381	1473938.0454	636.65	13+60.91	27.02 RT

**DATUM DESCRIPTION**

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "BL - 1" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 456126.7771(ft) EASTING: 1473997.7961(ft) ELEVATION: 627.87(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99985767

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "BL - 1" TO -L- STATION 10+00 IS  
 N 65° 13' 27" W 875.98'

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES  
 VERTICAL DATUM USED IS NAVD 88

**NOTES :**

- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED BY THE DIVISION IO DDC UNIT. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE DIVISION IO DDC UNIT.

ROUNDBOUT AT THE INTERSECTION OF  
 NEW TOWN RD.(SR-1315),ENNIS RD.(SR-1319),  
 AND BROOMES OLD MILL RD.(SR-1320)

SCALE	1"=50'		REVISIONS
DATE	11-2019		
DWG. BY	JCB		
DESIGN BY	JCB		
APPROVED	JDH		

# RIGHT OF WAY, EASEMENT AND PROPOSED ALIGNMENT SHEET

ROW MARKER IRON PIN & CAP

ALIGN	STATION	OFFSET	NORTH	EAST
L	11+10.00	-30.00	456253.6601	1473833.7808
L	11+10.00	-35.00	456258.2621	1473835.7356
L	11+45.00	30.00	456184.7518	1473842.5362
L	11+45.00	35.00	456180.1498	1473840.5813
L	12+15.00	40.00	456148.1795	1473903.0545
L	12+15.00	-40.00	456221.8115	1473934.3326
L	13+00.00	-63.00	456182.7417	1474093.8945
L	14+10.00	35.00	456080.4540	1474088.0769
L	14+30.00	-35.00	456139.5389	1474130.6085
L	15+30.00	-35.00	456107.6027	1474224.3124
L	15+30.00	-30.00	456102.8475	1474222.7671
L	15+60.00	35.00	456031.7551	1474231.0118
L	15+60.00	30.00	456036.5020	1474232.5826

L

TYPE	STATION	NORTH	EAST
POT	7+00.00	456382.7572	1473443.1891
POT	10+00.00	456269.0555	1473720.0074
PC	12+23.73	456181.5811	1473926.7313
PRC	15+32.28	456073.6128	1474215.6625
PT	17+50.00	456001.5865	1474421.1041

ROW MARKER IRON PIN & CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	10+90.00	-30.00	456007.7430	1474012.5317
Y1	10+90.00	-24.34	456008.1069	1474018.1754
Y1	11+10.00	-30.00	456027.7015	1474011.2446
Y1	11+35.00	25.15	456056.1989	1474064.6747
Y1	11+60.00	-40.00	456076.9544	1473998.0477

Y1

TYPE	STATION	NORTH	EAST
POT	10+00.00	455919.8601	1474048.2612
POT	12+18.61	456138.0194	1474034.1930

ROW MARKER IRON PIN & CAP

ALIGN	STATION	OFFSET	NORTH	EAST
Y2	10+58.00	38.00	456211.7037	1474036.9793
Y2	11+00.00	-30.00	456243.0271	1473963.3991
Y2	11+50.00	30.00	456302.8409	1474013.6131
Y2	11+50.00	25.00	456301.8883	1474008.7046
Y2	11+50.00	-25.00	456292.3628	1473959.6204
Y2	11+50.00	-30.00	456291.4103	1473954.7119

Y2

TYPE	STATION	NORTH	EAST
PC	10+00.00	456148.8449	1474006.5132
PCC	12+01.68	456347.7065	1473973.5835
PT	13+07.08	456517.0979	1473900.8538

PERMANENT UTILITY EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
L	10+75.00	30.00	456212.1217	1473778.1088
L	12+14.00	48.00	456141.2072	1473899.0062
L	13+83.00	-73.00	456191.0856	1474100.1421
L	14+35.00	-45.00	456147.3017	1474138.6192
L	15+30.00	-45.00	456117.1132	1474227.4028
L	15+58.93	-30.00	456093.8038	1474250.4054

PERMANENT UTILITY EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
Y1	10+44.00	-23.83	455962.2355	1474021.6512
Y1	11+56.00	-48.00	456072.4478	1473990.3217

PERMANENT UTILITY EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
Y2	10+64.00	48.00	456219.1996	1474046.0109
Y2	11+50.00	40.00	456304.7460	1474023.4299
Y2	11+90.00	25.00	456341.6164	1474000.5313

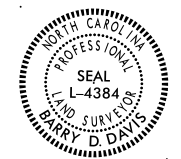
I, Barry D. Davis, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item, R/W and Easement Staking, was performed under my responsible charge meeting NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures as of 2017. Those standards can be found at <https://connect.ncdot.gov/resources/Location/Pages/>.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from survey control established under my supervision; that the depicted property data shown herein were surveyed under my supervision; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (see deeds for final determination).

Witness my signature, registration number and seal this 13th day of NOV 2019

Barry D. Davis, Professional Land Surveyor DocuSigned by: PLS\* L-4384

*Barry Davis*  
0E2AAE4F48174DC...

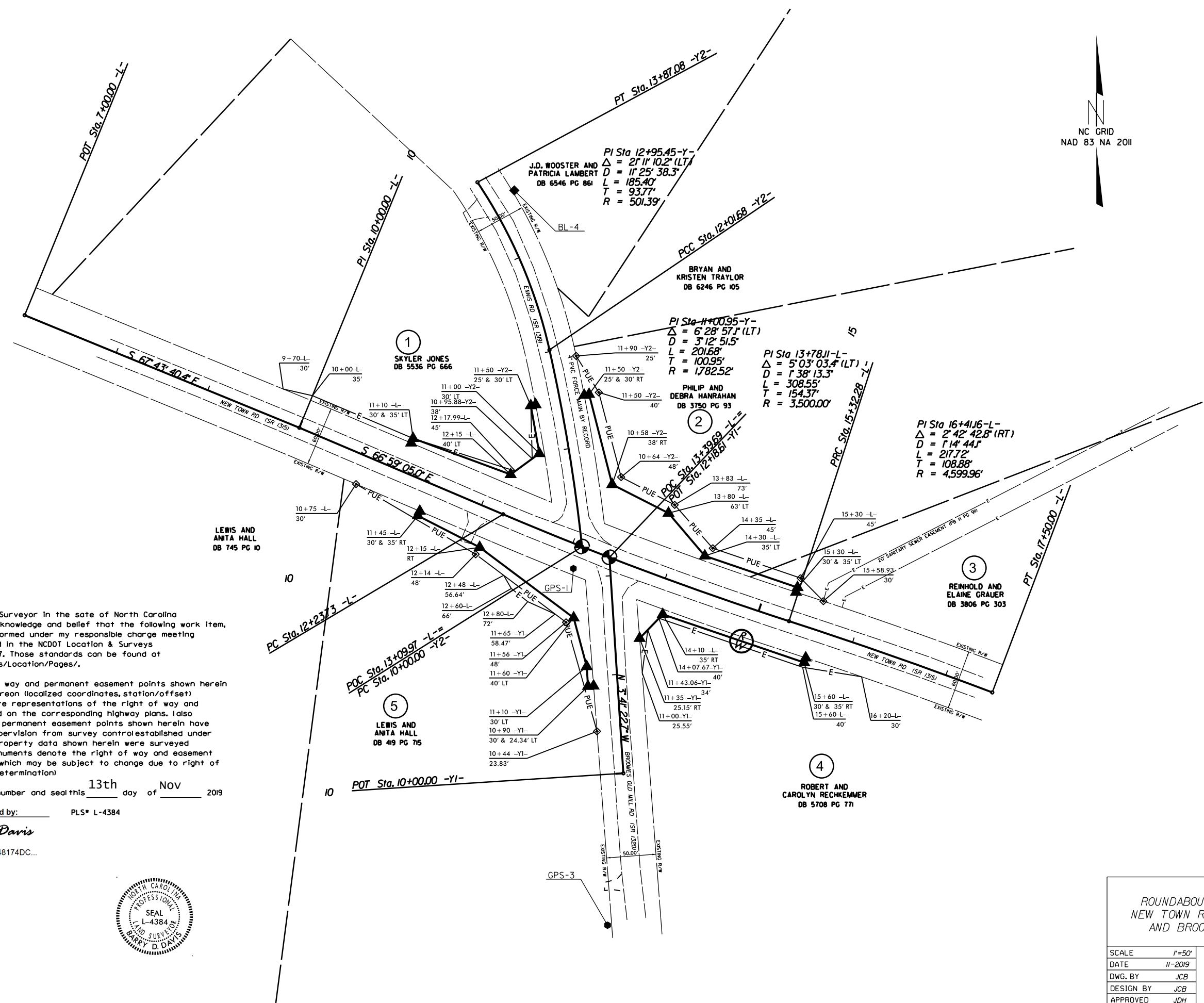


**NOTES:**

- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED BY THE DIVISION IO DDC UNIT. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE DIVISION IO DDC UNIT.

ROUNDBOUT AT THE INTERSECTION OF  
NEW TOWN RD.(SR-1315),ENNIS RD.(SR-1319),  
AND BROOMES OLD MILL RD.(SR-1320)

SCALE	N/A		REVISIONS
DATE	11-2019		
DWG. BY	JCB		
DESIGN BY	JCB		
APPROVED	JDH		



I, Barry D. Davis, a Professional Land Surveyor in the state of North Carolina hereby certify to the best of my knowledge and belief that the following work item, R/W and Easement Staking, was performed under my responsible charge meeting NCDOT Survey Standards as directed in the NCDOT Location & Surveys guidelines and procedures as of 2017. Those standards can be found at <https://connect.ncdot.gov/resources/Location/Pages/>.

I further certify that the right of way and permanent easement points shown herein and outlined in the tables shown hereon (localized coordinates, station/offset) have been checked and are accurate representations of the right of way and permanent easement points depicted on the corresponding highway plans. I also certify that the right of way and permanent easement points shown herein have been field monumented under my supervision from survey control established under my supervision; that the depicted property data shown herein were surveyed under my supervision; and these monuments denote the right of way and easement boundaries at the time of staking which may be subject to change due to right of way revisions (see deeds for final determination).

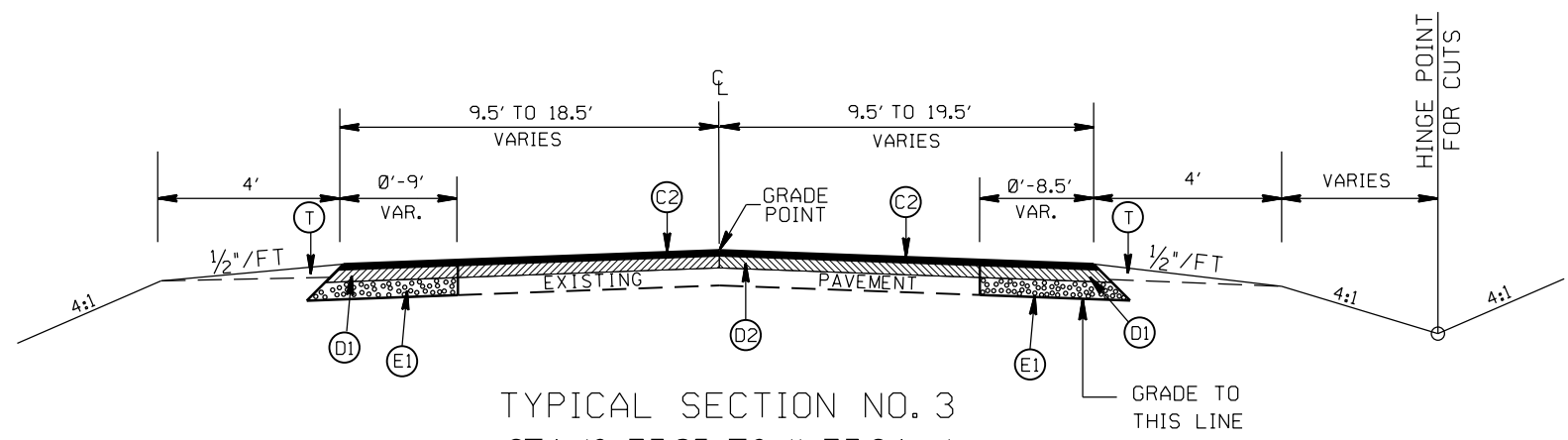
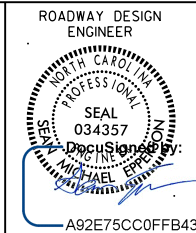
Witness my signature, registration number and seal this 13th day of NOV 2019

Barry D. Davis, Professional Land Surveyor  
 DocuSigned by: Barry Davis  
 PLS# L-4384  
 0E2AAE4F48174DC...

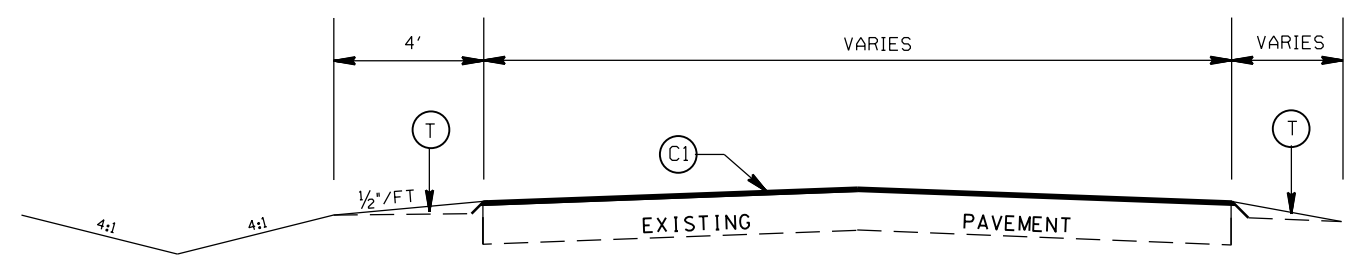


ROUNDABOUT AT THE INTERSECTION OF  
 NEW TOWN RD.(SR-1315),ENNIS RD.(SR-1319),  
 AND BROOMES OLD MILL RD.(SR-1320)

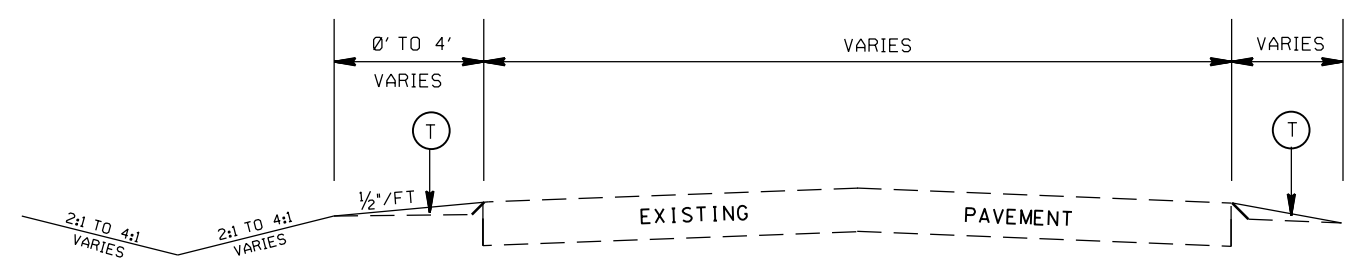
SCALE	1"=50'		REVISIONS
DATE	11-2019		
DWG. BY	JCB		
DESIGN BY	JCB		
APPROVED	JDH		



TYPICAL SECTION NO. 3  
 STA. 10+73.85 TO 11+73.24 -L-  
 STA. 14+31.02 TO 15+66.02 -L-  
 STA. 10+54.88 TO 11+44.88 -Y1-  
 STA. 10+82.42 TO 11+72.42 -Y2-



TYPICAL SECTION NO. 2  
 STA. 10+48.85 TO 10+73.85 -L-  
 STA. 15+66.02 TO 15+91.02 -L-  
 STA. 10+29.88 TO 10+54.88 -Y1-  
 STA. 11+72.42 TO 11+97.42 -Y2-



TYPICAL SECTION NO. 1  
 STA. 8+50.00 TO 10+48.85 -L-

PAVEMENT SCHEDULE

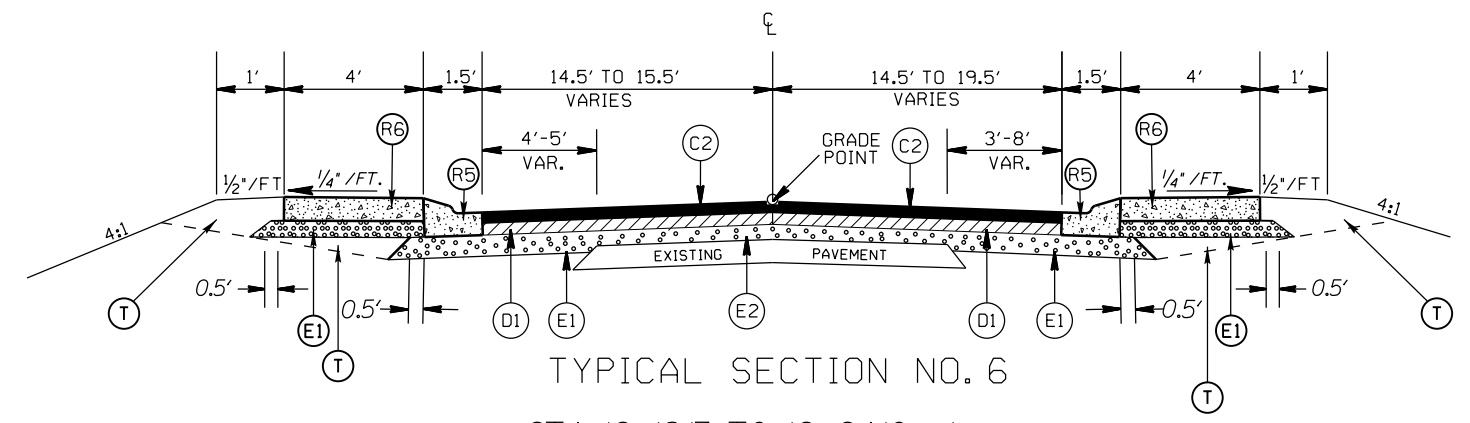
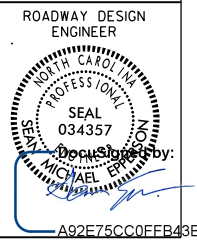
(C1)	PROP. APPROX. 1½" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 3" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
(D1)	PROP. APPROX. 4" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
(D2)	PROP. VARIABLE DEPTH ASPHALT CONC. INTERMEDIATE COURSE.
(E1)	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(E2)	PROP. VARIABLE DEPTH ASPHALT CONC. BASE COURSE COURSE.
(R2)	PROP. 1'-6" CONC. CURB & GUTTER, CLASS AA CONCRETE
(R3)	PROP. 7" TRUCK MOUNTABLE CONC. ISLAND, CLASS AA CONCRETE
(R4)	PROP. 5" MONOLITHIC CONC. ISLAND (SURFACE MOUNTED)
(R5)	PROP. 1'-6" CONC. CURB & GUTTER W/ BLACK TINT, CLASS AA CONCRETE
(R6)	PROP. 7" TRUCK MOUNTABLE CONC. ISLAND W/ BLACK TINT, CLASS AA CONCRETE
(T)	EARTH MATERIAL
(J)	PROP. VARIABLE DEPTH CLASS IV SUBGRADE STABILIZATION

ROUNDABOUT AT THE INTERSECTION OF  
 NEW TOWN RD.(SR-1315),ENNIS RD.(SR-1319),  
 AND BROOMES OLD MILL RD.(SR-1320)

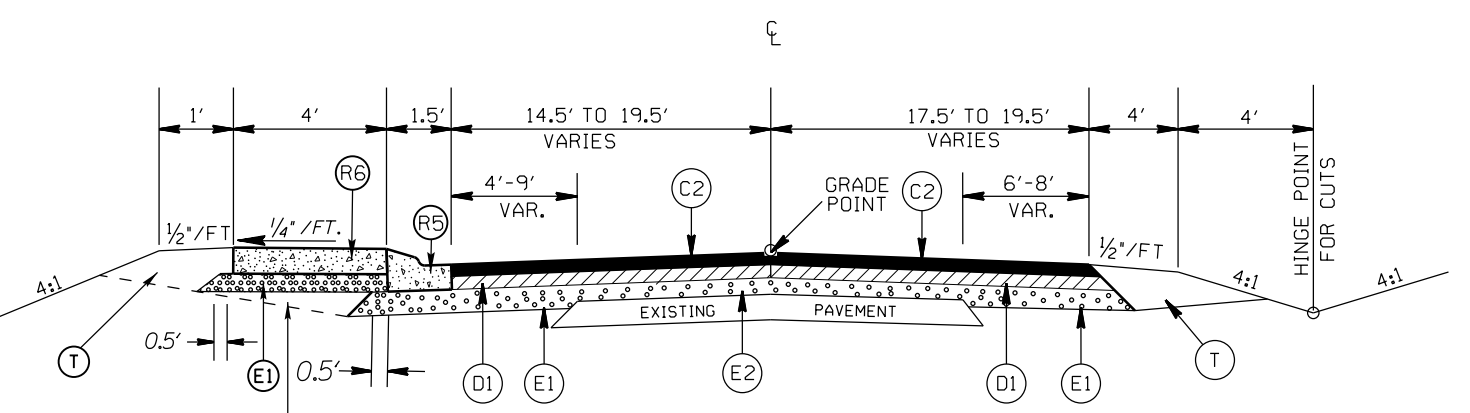
SCALE	N/A
DATE	5-2020
DWG. BY	DLS
DESIGN BY	JCB
APPROVED	JDH



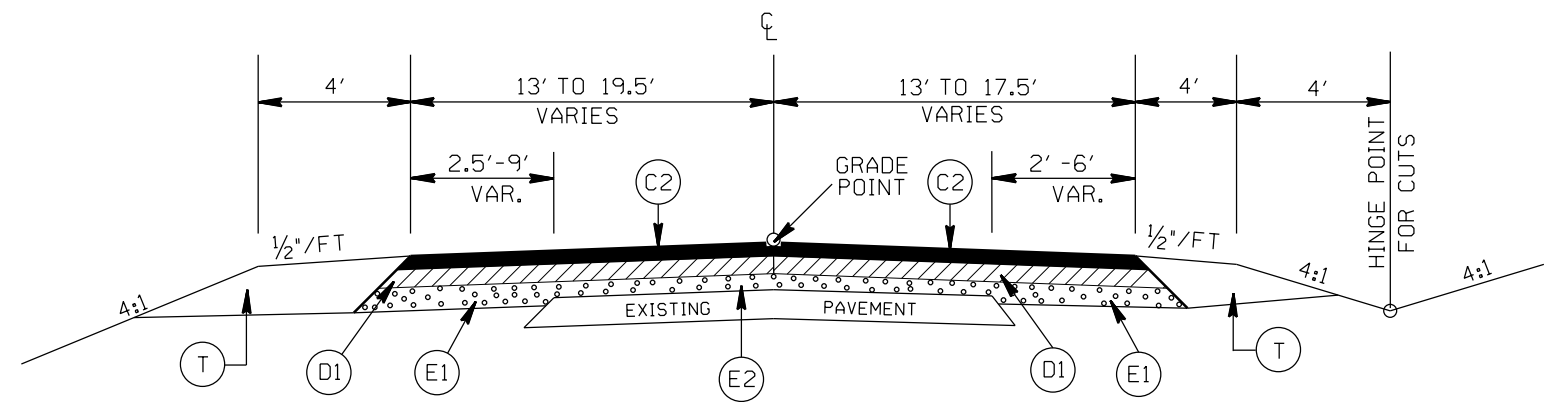
REVISIONS	



TYPICAL SECTION NO. 6  
STA. 12+18.17 TO 12+24.10 -L-



TYPICAL SECTION NO. 5  
STA. 12+08.85 TO 12+18.17 -L-



TYPICAL SECTION NO. 4  
STA. 11+73.24 TO 12+08.85 -L-

\*UTILIZE WELDED WIRE MESH (EITHER 4X4 W3.5XW3.5 OR 6X6 W5XW5) IN PROP. 7" TRUCK MOUNTABLE CONC. ISLAND

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1½" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 3" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
(D1)	PROP. APPROX. 4" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
(D2)	PROP. VARIABLE DEPTH ASPHALT CONC. INTERMEDIATE COURSE.
(E1)	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(E2)	PROP. VARIABLE DEPTH ASPHALT CONC. BASE COURSE COURSE.
(R2)	PROP. 1'-6" CONC. CURB & GUTTER, CLASS AA CONCRETE
(R3)	PROP. 7" TRUCK MOUNTABLE CONC. ISLAND, CLASS AA CONCRETE
(R4)	PROP. 5" MONOLITHIC CONC. ISLAND (SURFACE MOUNTED)
(R5)	PROP. 1'-6" CONC. CURB & GUTTER W/ BLACK TINT, CLASS AA CONCRETE
(R6)	PROP. 7" TRUCK MOUNTABLE CONC. ISLAND W/ BLACK TINT, CLASS AA CONCRETE
(T)	EARTH MATERIAL
(J)	PROP. VARIABLE DEPTH CLASS IV SUBGRADE STABILIZATION

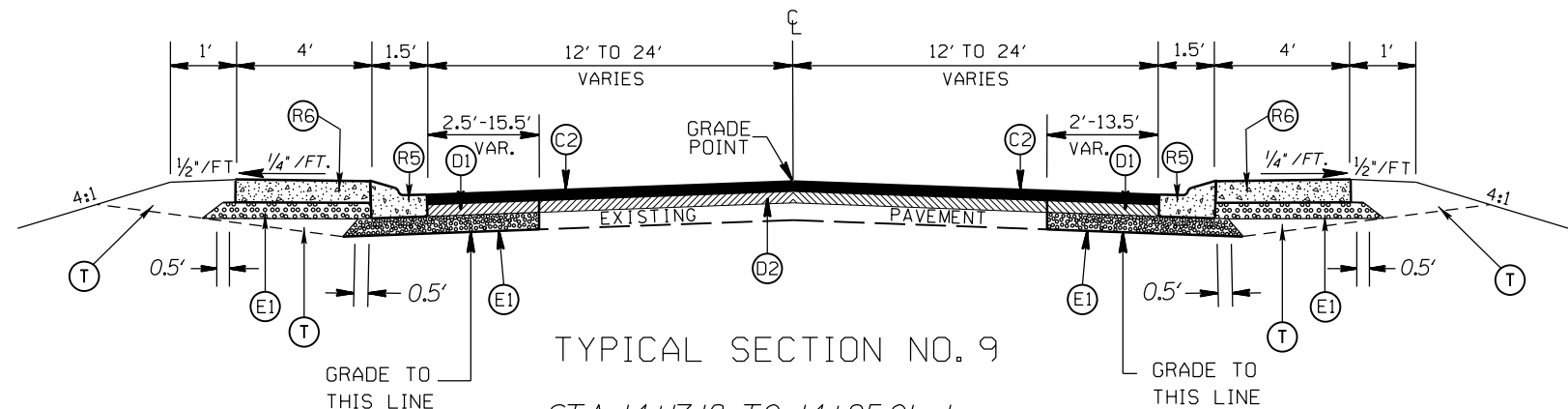
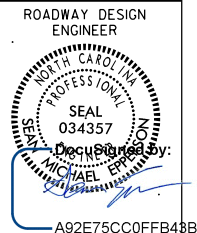
ROUNDABOUT AT THE INTERSECTION OF  
NEW TOWN RD.(SR-1315),ENNIS RD.(SR-1319),  
AND BROOMES OLD MILL RD.(SR-1320)

SCALE	N/A
DATE	5-2020
DWG. BY	DLS
DESIGN BY	JCB
APPROVED	JDH



REVISIONS	



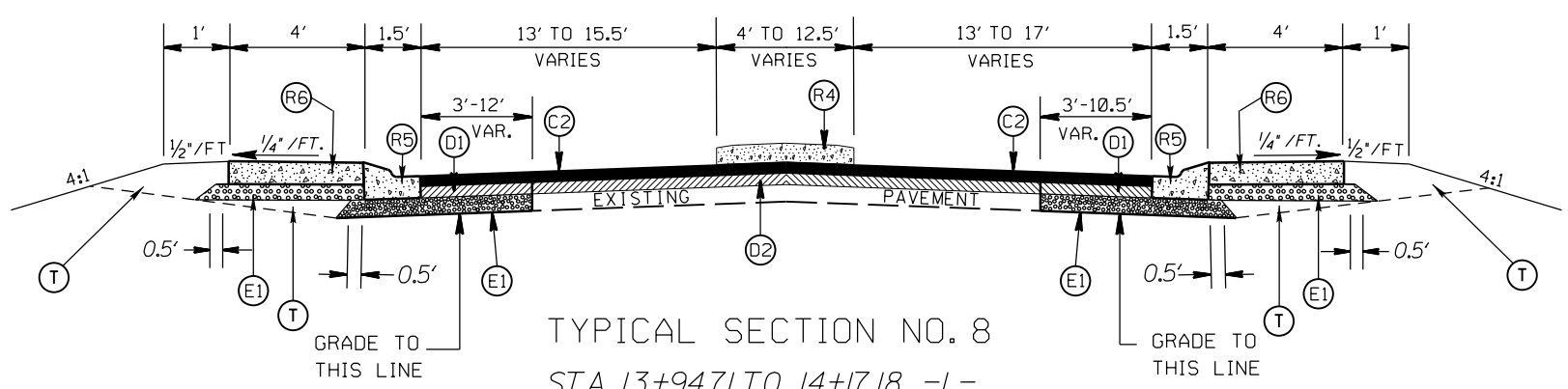


TYPICAL SECTION NO. 9  
 STA. 14+17.18 TO 14+25.01 -L-  
 STA. 11+44.88 TO 11+70.35 -Y1-  
 STA. 10+50.79 TO 10+82.42 -Y2-

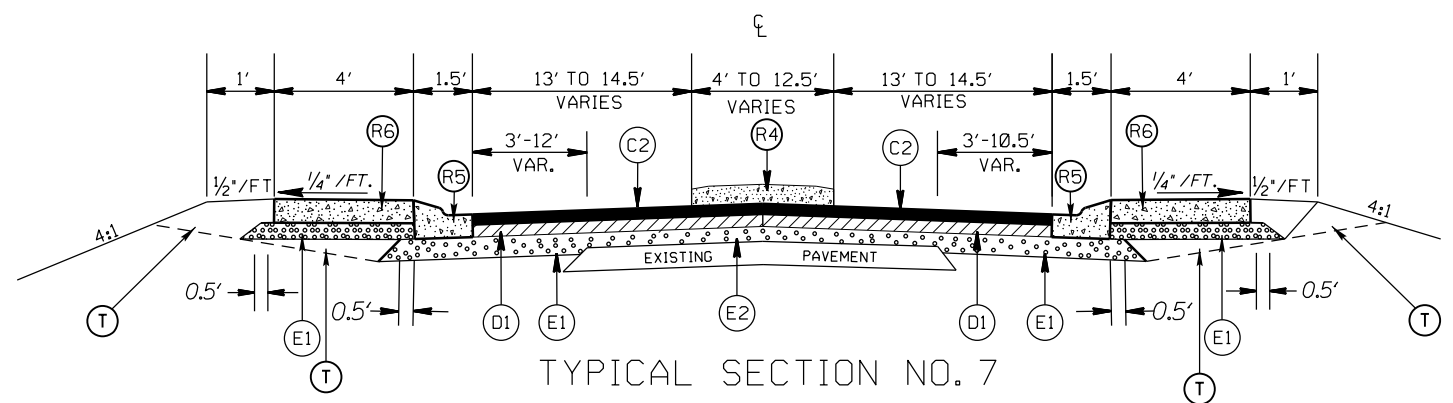
\*UTILIZE WELDED WIRE MESH (EITHER 4X4 W3.5XW3.5 OR 6X6 W5XW5) IN PROP. 7" TRUCK MOUNTABLE CONC. ISLAND

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1 1/2" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 3" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
(D1)	PROP. APPROX. 4" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
(D2)	PROP. VARIABLE DEPTH ASPHALT CONC. INTERMEDIATE COURSE.
(E1)	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(E2)	PROP. VARIABLE DEPTH ASPHALT CONC. BASE COURSE COURSE.
(R2)	PROP. 1'-6" CONC. CURB & GUTTER, CLASS AA CONCRETE
(R3)	PROP. 7" TRUCK MOUNTABLE CONC. ISLAND, CLASS AA CONCRETE
(R4)	PROP. 5" MONOLITHIC CONC. ISLAND (SURFACE MOUNTED)
(R5)	PROP. 1'-6" CONC. CURB & GUTTER W/ BLACK TINT, CLASS AA CONCRETE
(R6)	PROP. 7" TRUCK MOUNTABLE CONC. ISLAND W/ BLACK TINT, CLASS AA CONCRETE
(T)	EARTH MATERIAL
(J)	PROP. VARIABLE DEPTH CLASS IV SUBGRADE STABILIZATION



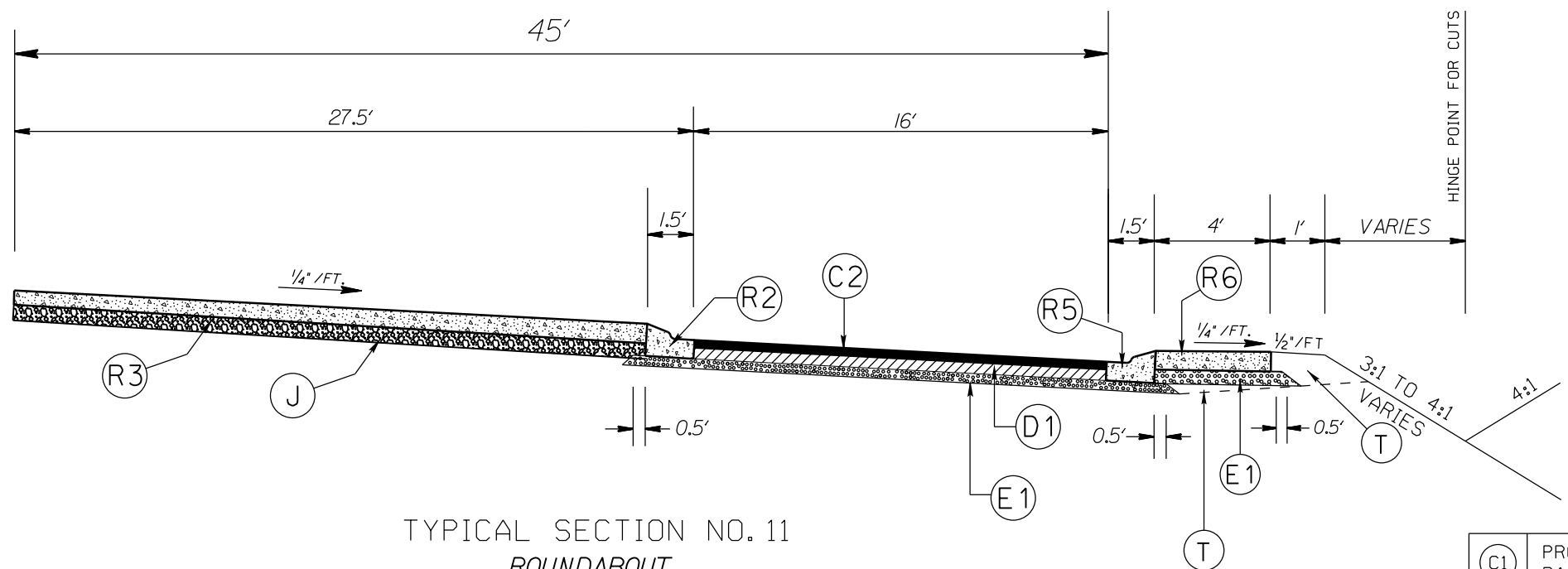
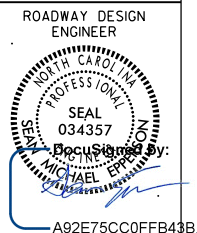
TYPICAL SECTION NO. 8  
 STA. 13+94.71 TO 14+17.18 -L-



TYPICAL SECTION NO. 7  
 STA. 12+24.10 TO 12+47.00 -L-

ROUNDABOUT AT THE INTERSECTION OF  
 NEW TOWN RD.(SR-1315),ENNIS RD.(SR-1319),  
 AND BROOMES OLD MILL RD.(SR-1320)

SCALE	N/A		REVISIONS
DATE	5-2020		
DWG. BY	DLS		
DESIGN BY	JCB		
APPROVED	JDH		

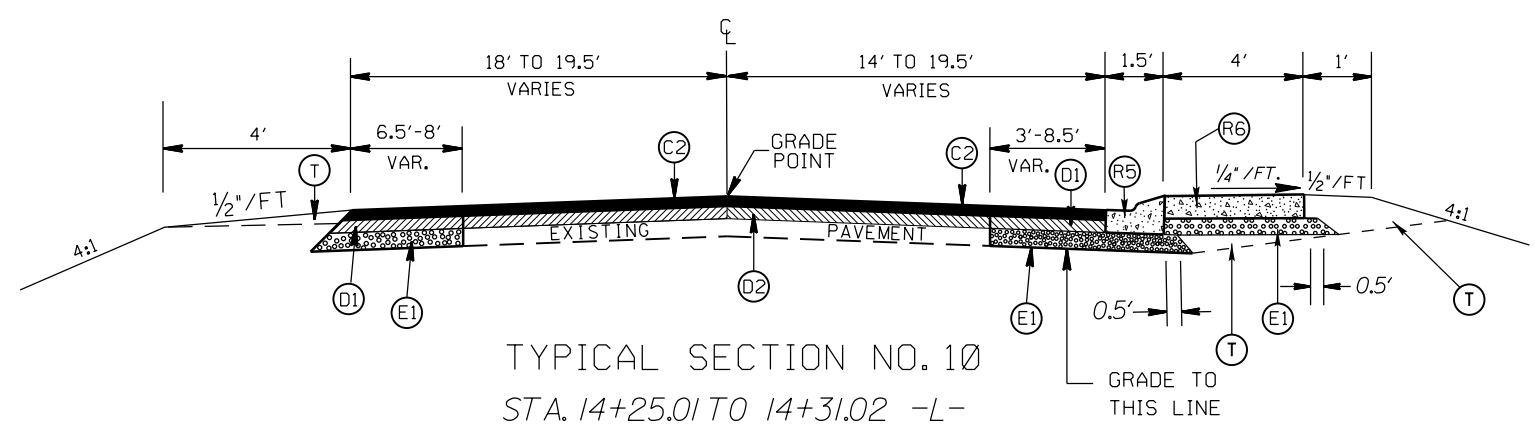


TYPICAL SECTION NO. 11  
ROUNDABOUT

\*UTILIZE WELDED WIRE MESH (EITHER 4X4 W3.5XW3.5 OR 6X6 W5XW5) IN PROP. 7" TRUCK MOUNTABLE CONC. ISLAND

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1 1/2" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 3" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
(D1)	PROP. APPROX. 4" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
(D2)	PROP. VARIABLE DEPTH ASPHALT CONC. INTERMEDIATE COURSE.
(E1)	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(E2)	PROP. VARIABLE DEPTH ASPHALT CONC. BASE COURSE COURSE.
(R2)	PROP. 1'-6" CONC. CURB & GUTTER, CLASS AA CONCRETE
(R3)	PROP. 7" TRUCK MOUNTABLE CONC. ISLAND, CLASS AA CONCRETE
(R4)	PROP. 5" MONOLITHIC CONC. ISLAND (SURFACE MOUNTED)
(R5)	PROP. 1'-6" CONC. CURB & GUTTER W/ BLACK TINT, CLASS AA CONCRETE
(R6)	PROP. 7" TRUCK MOUNTABLE CONC. ISLAND W/ BLACK TINT, CLASS AA CONCRETE
(T)	EARTH MATERIAL
(J)	PROP. VARIABLE DEPTH CLASS IV SUBGRADE STABILIZATION

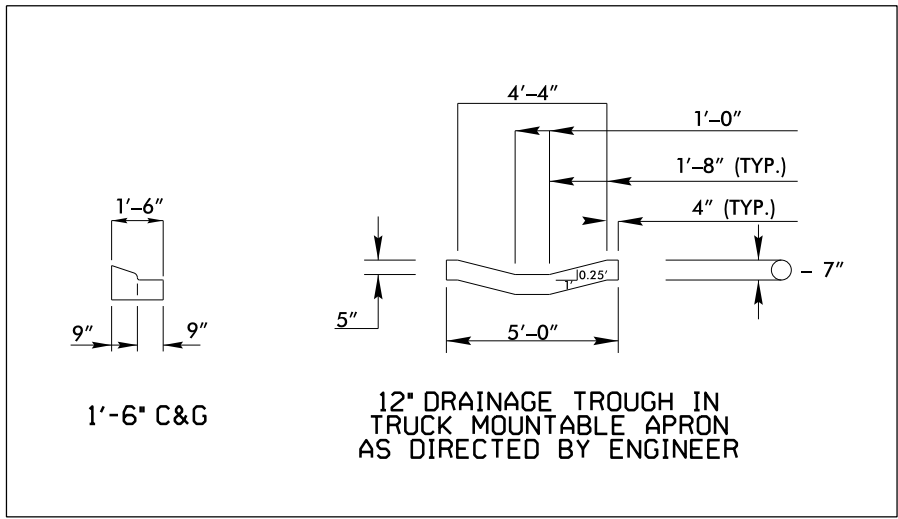
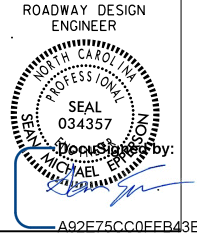


TYPICAL SECTION NO. 10  
STA. 14+25.01 TO 14+31.02 -L-

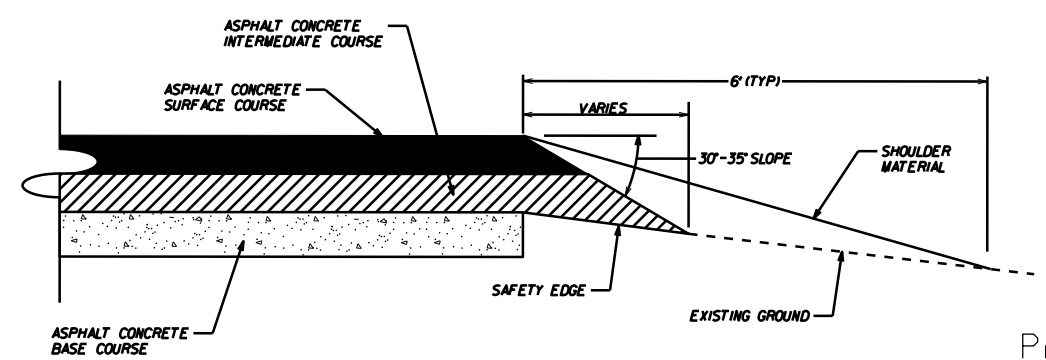
ROUNDABOUT AT THE INTERSECTION OF  
NEW TOWN RD.(SR-1315),ENNIS RD.(SR-1319),  
AND BROOMES OLD MILL RD.(SR-1320)

SCALE	N/A		REVISIONS
DATE	5-2020		
DWG. BY	DLS		
DESIGN BY	JCB		
APPROVED	JDH		





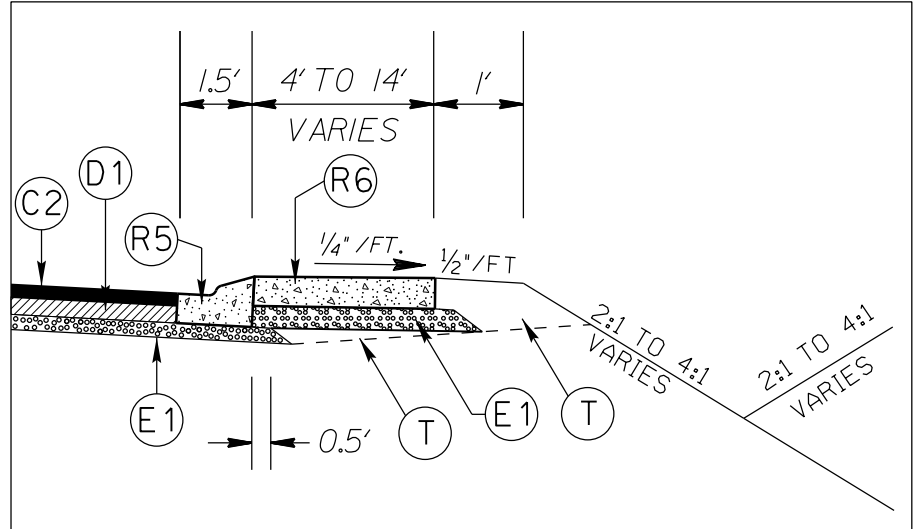
DRAINAGE TROUGH DETAIL



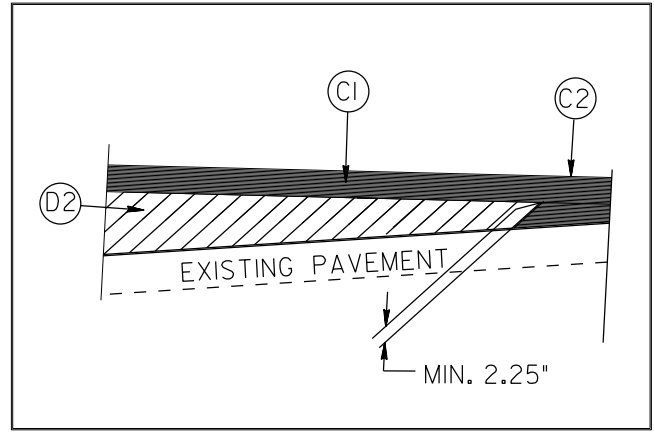
SAFETY EDGE DETAIL

PAVEMENT SCHEDULE

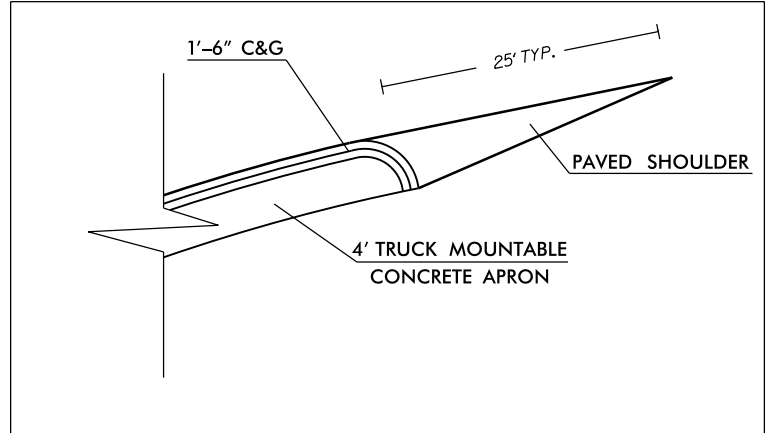
(C1)	PROP. APPROX. 1½" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 3" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
(D1)	PROP. APPROX. 4" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
(D2)	PROP. VARIABLE DEPTH ASPHALT CONC. INTERMEDIATE COURSE.
(E1)	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(E2)	PROP. VARIABLE DEPTH ASPHALT CONC. BASE COURSE COURSE.
(R2)	PROP. 1'-6" CONC. CURB & GUTTER, CLASS AA CONCRETE
(R3)	PROP. 7" TRUCK MOUNTABLE CONC. ISLAND, CLASS AA CONCRETE
(R4)	PROP. 5" MONOLITHIC CONC. ISLAND (SURFACE MOUNTED)
(R5)	PROP. 1'-6" CONC. CURB & GUTTER W/ BLACK TINT, CLASS AA CONCRETE
(R6)	PROP. 7" TRUCK MOUNTABLE CONC. ISLAND W/ BLACK TINT, CLASS AA CONCRETE
(T)	EARTH MATERIAL
(J)	PROP. VARIABLE DEPTH CLASS IV SUBGRADE STABILIZATION



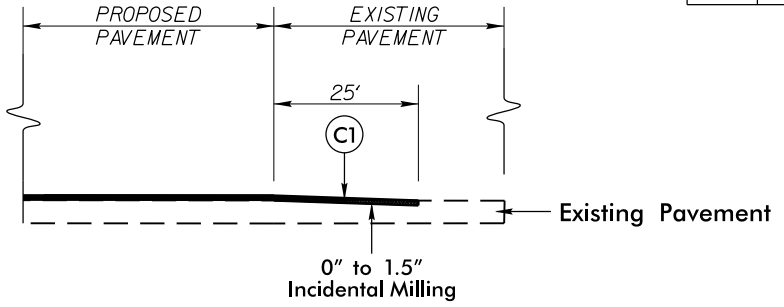
APRON DETAIL



WEDGING DETAIL



CURB DETAIL

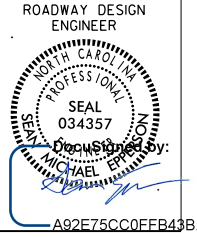


INCIDENTAL MILLING DETAIL  
EXISTING ROAD TIE-INS  
PROJECT TIE-INS

\*UTILIZE WELDED WIRE MESH (EITHER 4X4 W3.5XW3.5 OR 6X6 W5XW5) IN PROP. 7" TRUCK MOUNTABLE CONC. ISLAND

ROUNDABOUT AT THE INTERSECTION OF  
NEW TOWN RD.(SR-1315),ENNIS RD.(SR-1319),  
AND BROOMES OLD MILL RD.(SR-1320)

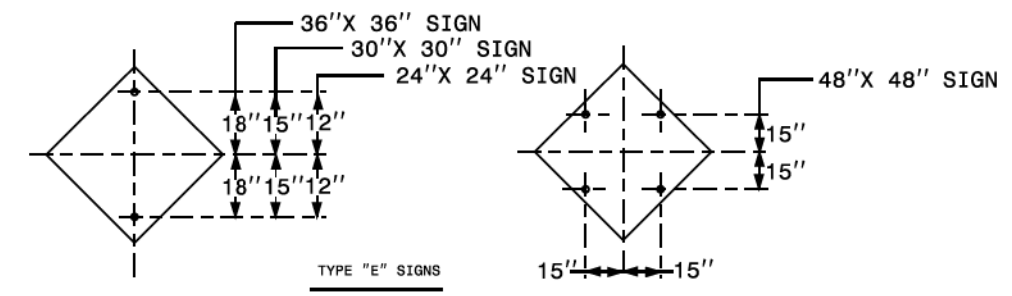
SCALE	N/A		REVISIONS
DATE	5-2020		
DWG. BY	DLS		
DESIGN BY	JCB		
APPROVED	JDH		



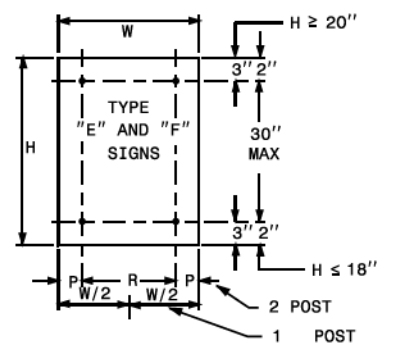
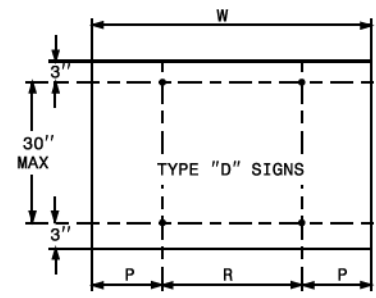
STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

1-12

ENGLISH STANDARD DRAWING FOR  
MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS  
ON 'U' CHANNEL POSTS



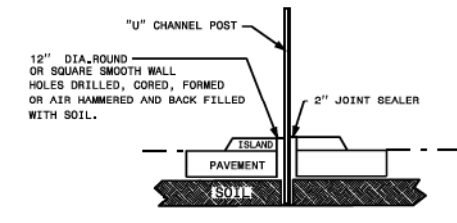
TYPE "E" SIGNS



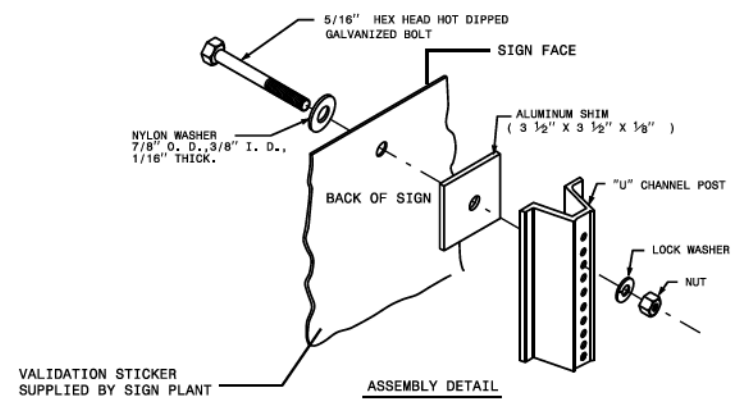
	NO. SUPPORTS		
	2	3 *	4
P	.207W	.145W	.107W
R	.586W	.355W	.262W

UNITS ON ATTACHED SHEET  
\* MINIMUM 4 FT. BETWEEN CHANNEL POSTS

HOLE PUNCHING DETAIL



DETAIL FOR INSTALLATION OF CHANNEL POST IN CONCRETE



VALIDATION STICKER SUPPLIED BY SIGN PLANT

ASSEMBLY DETAIL

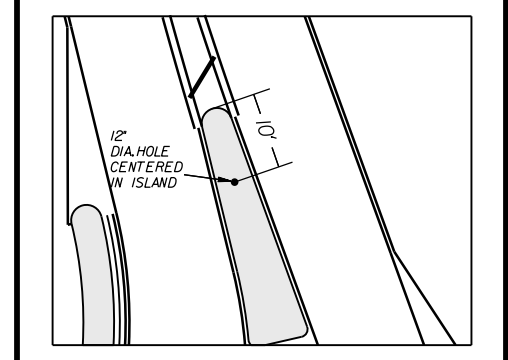
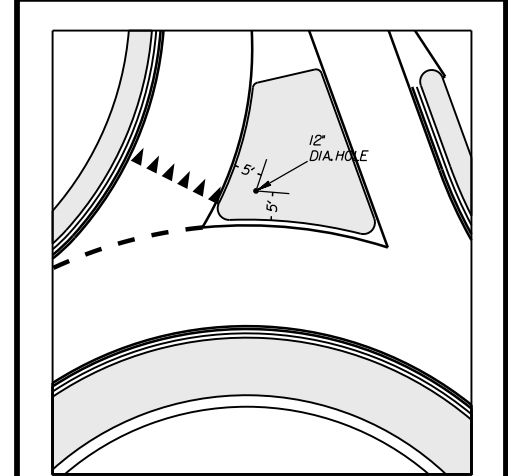
STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

1-12

ENGLISH STANDARD DRAWING FOR  
MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS  
ON 'U' CHANNEL POSTS

SHEET 2 OF 2  
904.50

12" DIA. HOLE LOCATION FOR SIGN U-CHANNEL POST IN SPLITTER ISLANDS



ROUNDABOUT AT THE INTERSECTION OF  
NEW TOWN RD.(SR-1315),ENNIS RD.(SR-1319),  
AND BROOMES OLD MILL RD.(SR-1320)

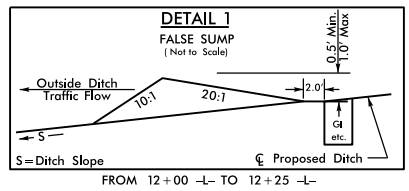
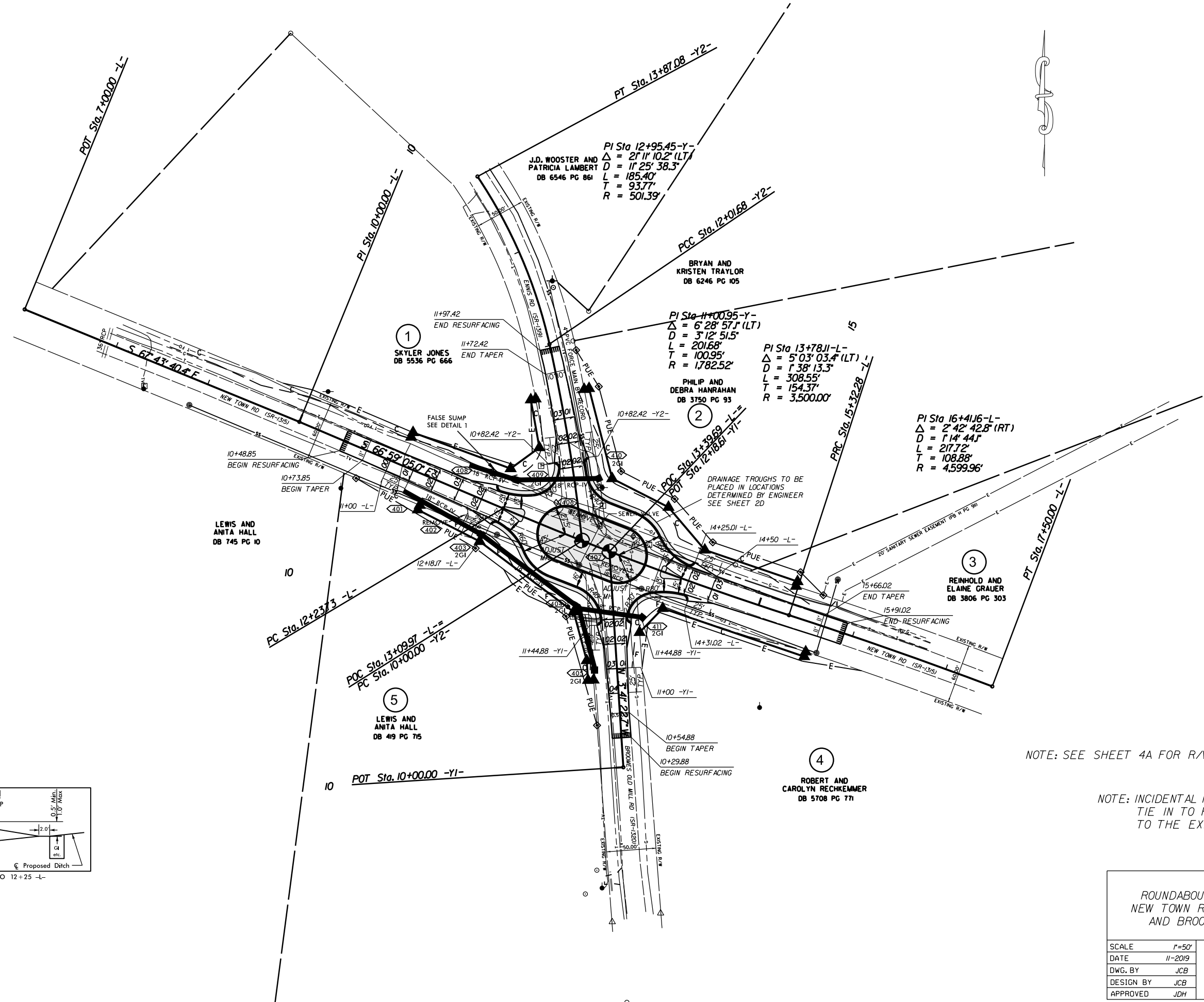
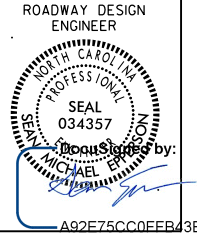
SCALE	N/A
DATE	7-2020
DWG. BY	DLS
DESIGN BY	JCB
APPROVED	JDH



REVISIONS	

SHEET 2 OF 2  
904.50



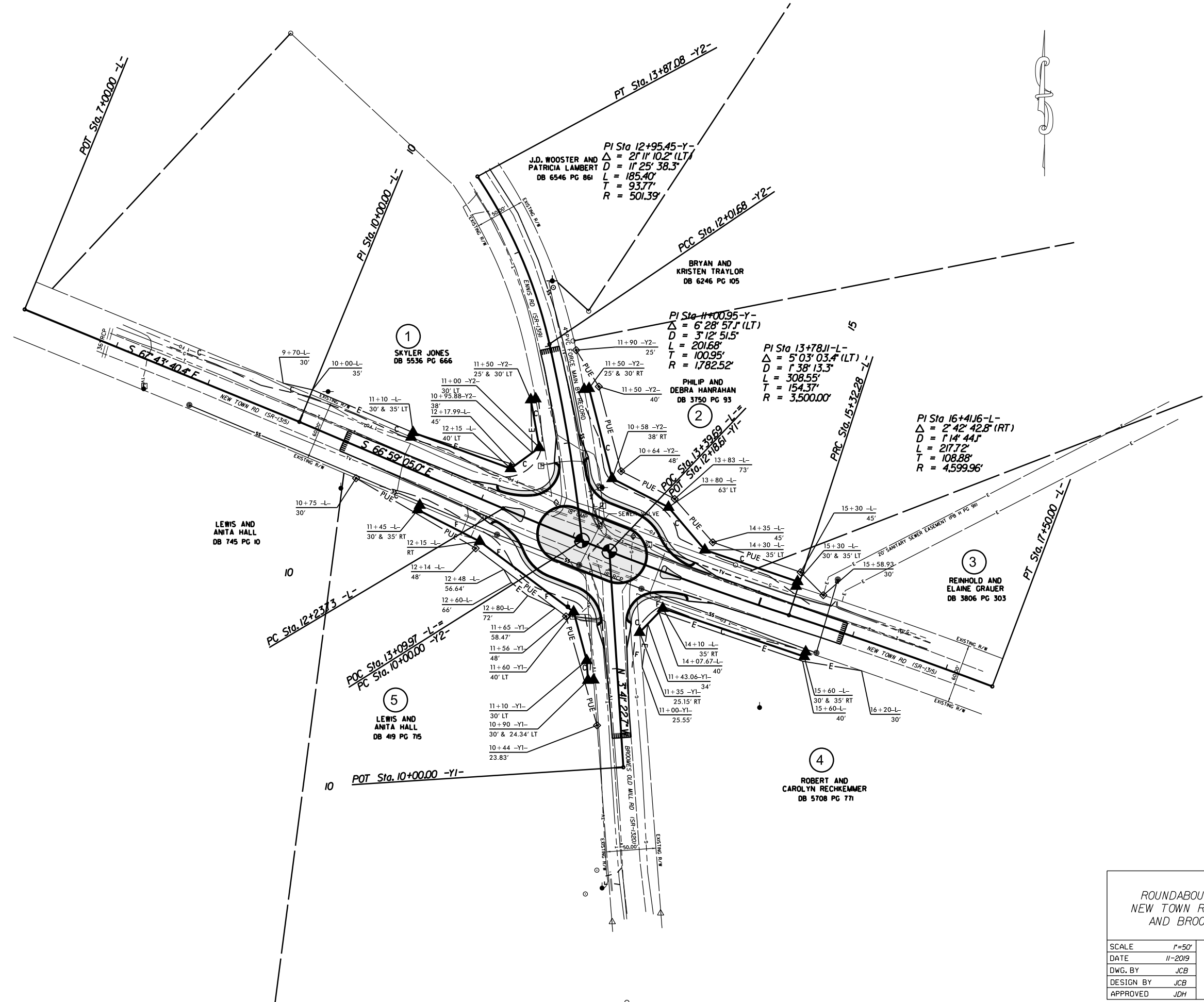
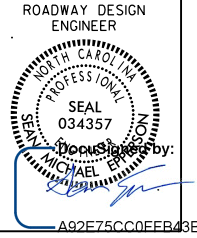


NOTE: SEE SHEET 4A FOR R/W AND EASEMENT LOCATIONS

NOTE: INCIDENTAL MILL APPROX. 25' AT EACH TIE IN TO PROVIDE A SMOOTH TRANSITION TO THE EXISTING ASPHALT PAVEMENT.

ROUNDBOUT AT THE INTERSECTION OF  
NEW TOWN RD.(SR-1315),ENNIS RD.(SR-1319),  
AND BROOMES OLD MILL RD.(SR-1320)

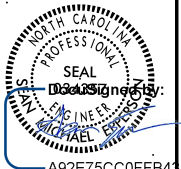
SCALE	1"=50'		REVISIONS
DATE	11-2019		
DWG. BY	JCB		
DESIGN BY	JCB		
APPROVED	JDH		



ROUNDABOUT AT THE INTERSECTION OF  
 NEW TOWN RD.(SR-1315), ENNIS RD.(SR-1319),  
 AND BROOMES OLD MILL RD.(SR-1320)

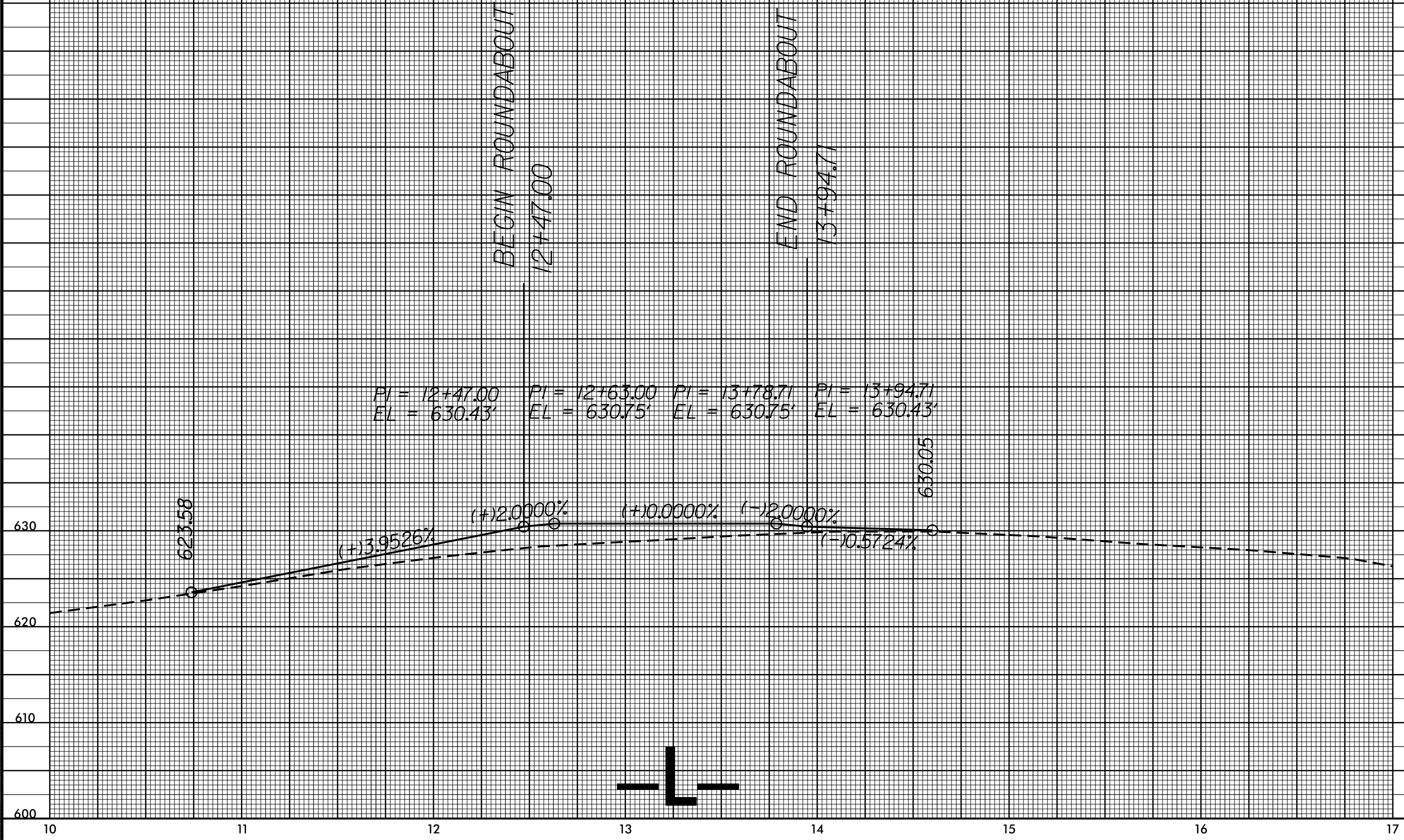
SCALE	1"=50'		REVISIONS
DATE	11-2019		
DWG. BY	JCB		
DESIGN BY	JCB		
APPROVED	JDH		





DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

5/14/99  
10-NOV-2020 14:34 S:\DC\RDY\Jr\1011\New Town,Ennis,Broomes Old Mill\RDY\p1125 Scale\W-5710U\_NewTown,Ennis,Broomes Old Mill.un5.pfl.L-25.dgn

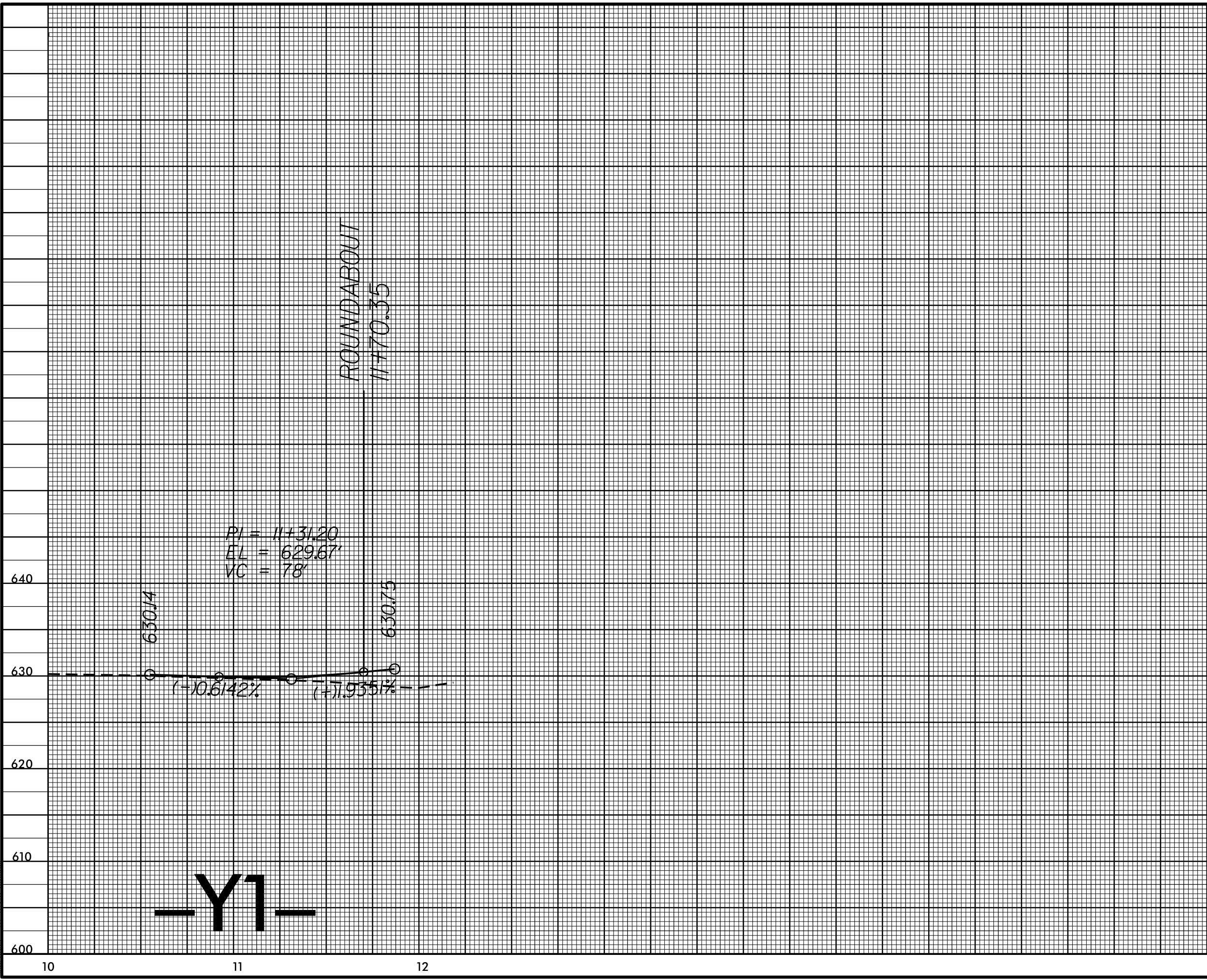






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11/10/2020 14:38



PI = 11+31.20  
EL = 629.67'  
VC = 78'

ROUNDABOUT  
11+70.35

-Y1-

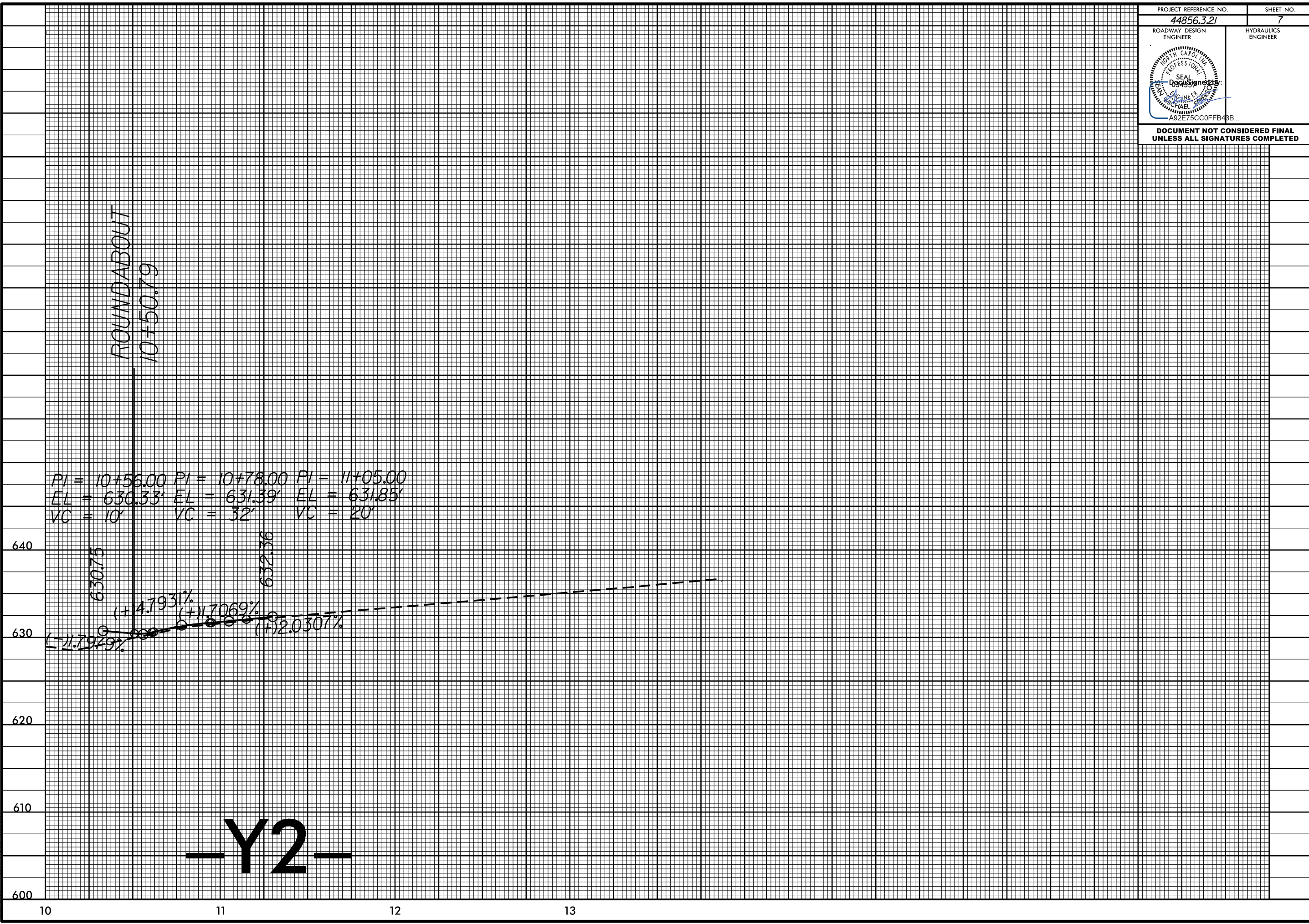
640  
630  
620  
610  
600

10 11 12



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

5/14/99  
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PI = 10+56.00 EL = 630.33' VC = 10'  
PI = 10+78.00 EL = 631.39' VC = 32'  
PI = 11+05.00 EL = 631.85' VC = 20'

630.75

632.36

640

630

620

610

600

10

11

12

13

-Y2-

PROJECT: 44856.3.21 TIP: W-5710U

# STATE OF NORTH CAROLINA

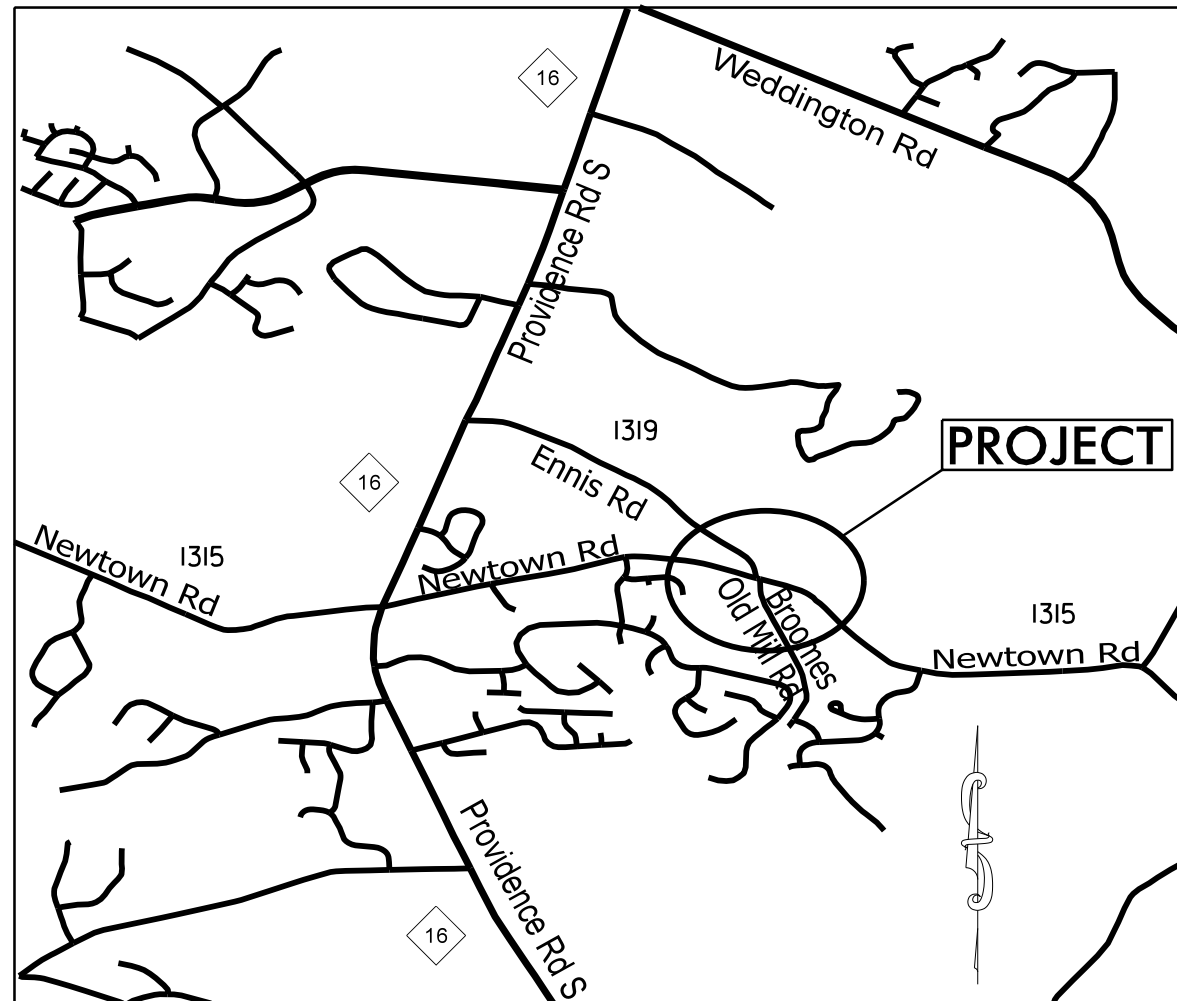
## DIVISION OF HIGHWAYS

### PLAN FOR PROPOSED HIGHWAY EROSION CONTROL

STATE	STATE PROJECT REFERENCE NO.	PROJECT NO.	SHEET NO.
N.C.	44856.3.21	EC-1	
STATE SYMBOL	F.A. SYMBOL	DESCRIPTION	
44856.1.21	HSIP-1315(020)	P.E.	
44856.2.21	HSIP-1315(020)	R/W	
44856.3.21	HSIP-1315(020)	CONST.	

#### EROSION AND SEDIMENT CONTROL MEASURES

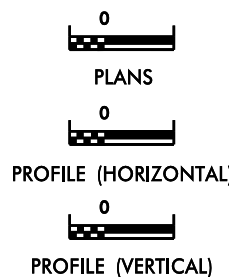
Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	---vd---
1630.05	Temporary Diversion	---vd---
1606.01	Temporary Silt Fence	--- --- --- ---
1606.01	Special Sediment Control Fence	--- --- --- ---
1622.01	Temporary Berms and Slope Drains	--- --- --- ---
1630.02	Silt Basin Type B	--- --- --- ---
1633.01	Temporary Rock Silt Check Type-A	--- --- --- ---
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	--- --- --- ---
1633.02	Temporary Rock Silt Check Type-B	--- --- --- ---
	Wattle / Coir Fiber Wattle	--- --- --- ---
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	--- --- --- ---
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	--- --- --- ---
1635.02	Rock Pipe Inlet Sediment Trap Type-B	--- --- --- ---
1630.04	Stilling Basin	--- --- --- ---
1630.06	Special Stilling Basin	--- --- --- ---
	Rock Inlet Sediment Trap	--- --- --- ---
1632.01	Type A	A □
1632.02	Type B	B □
1632.03	Type C	C □
	Skimmer Basin	--- --- --- ---
	Tiered Skimmer Basin	--- --- --- ---
	Infiltration Basin	--- --- --- ---



INSTALL PERIMETER EROSION CONTROL DEVICES DURING INITIAL CLEARING PHASE

VICINITY MAP NOT TO SCALE

#### GRAPHIC SCALE



ROADSIDE ENVIRONMENTAL UNIT  
DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

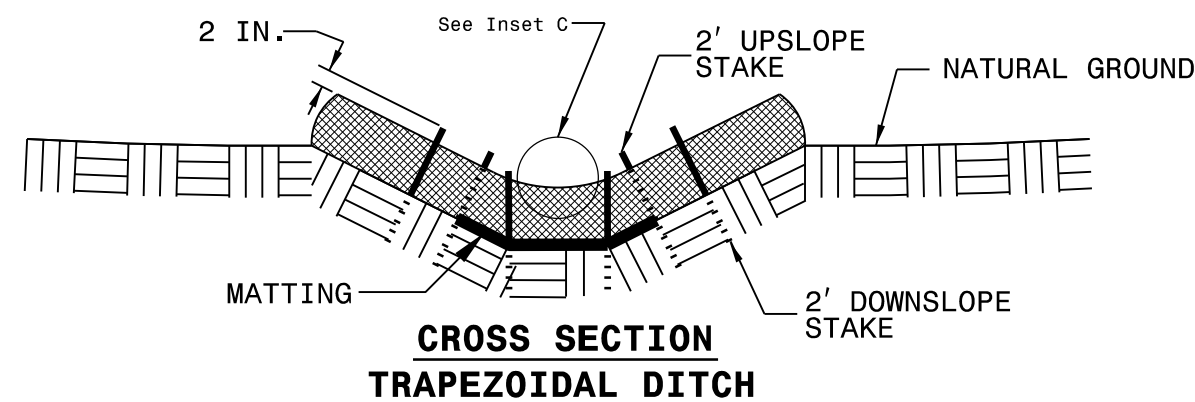
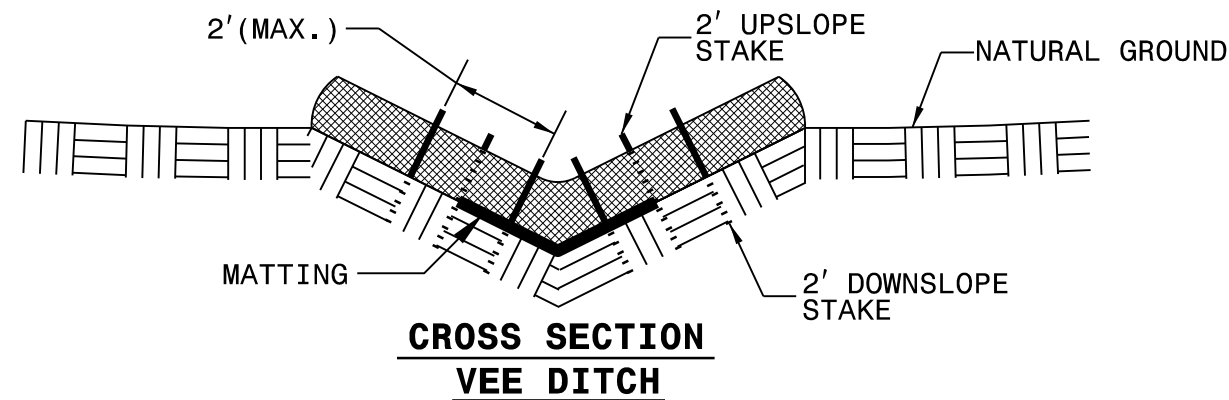
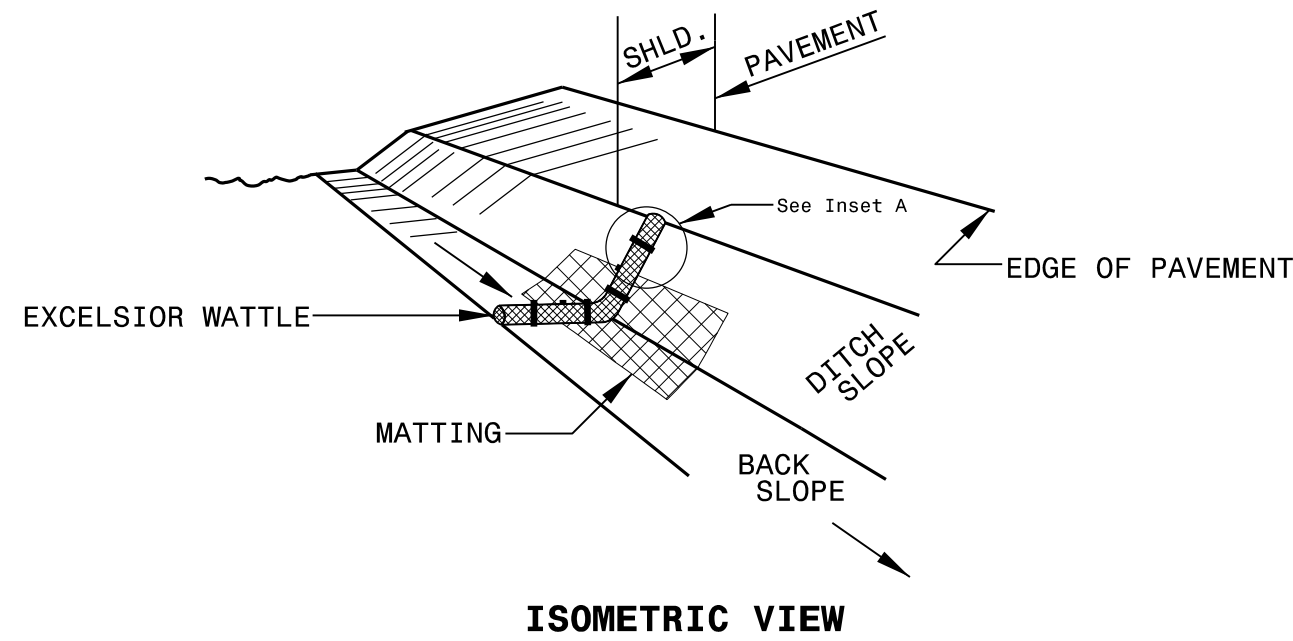
THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE APRIL 1, 2019 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER QUALITY.

Prepared In the Office of:  
**DDC UNIT DIVISION 10**  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**2018 STANDARD SPECIFICATIONS**  
Designed by:  
**CHAD BURRIS** 4159  
EROSION CONTROL DESIGNER LEVEL III CERTIFICATION NO.

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 2018 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.  
1604.01 Railroad Erosion Control Detail  
1605.01 Temporary Silt Fence  
1606.01 Special Sediment Control Fence  
1607.01 Gravel Construction Entrance  
1622.01 Temporary Berms and Slope Drains  
1630.01 Riser Basin  
1630.02 Silt Basin Type J  
1630.03 Temporary Silt Ditch  
1630.04 Stilling Basin  
1630.05 Temporary Diversion  
1630.06 Special Stilling Basin  
1631.01 Matting Installation  
1632.01 Rock Inlet Sediment Trap Type A  
1632.02 Rock Inlet Sediment Trap Type J  
1632.03 Rock Inlet Sediment Trap Type C  
1633.01 Temporary Rock Silt Check Type A  
1633.02 Temporary Rock Silt Check Type J  
1634.01 Temporary Rock Sediment Dam Type A  
1634.02 Temporary Rock Sediment Dam Type J  
1635.01 Rock Pipe Inlet Sediment Trap Type A  
1635.02 Rock Pipe Inlet Sediment Trap Type J  
1640.01 Coir Fiber Jaffle  
1645.01 Temporary Stream Crossing

C:\Users\Burris\OneDrive\Documents\44856.3.21\Newtown, Ennis, Brookers Old Mill, and EC, TSH.dwg

# WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL



**NOTES:**

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

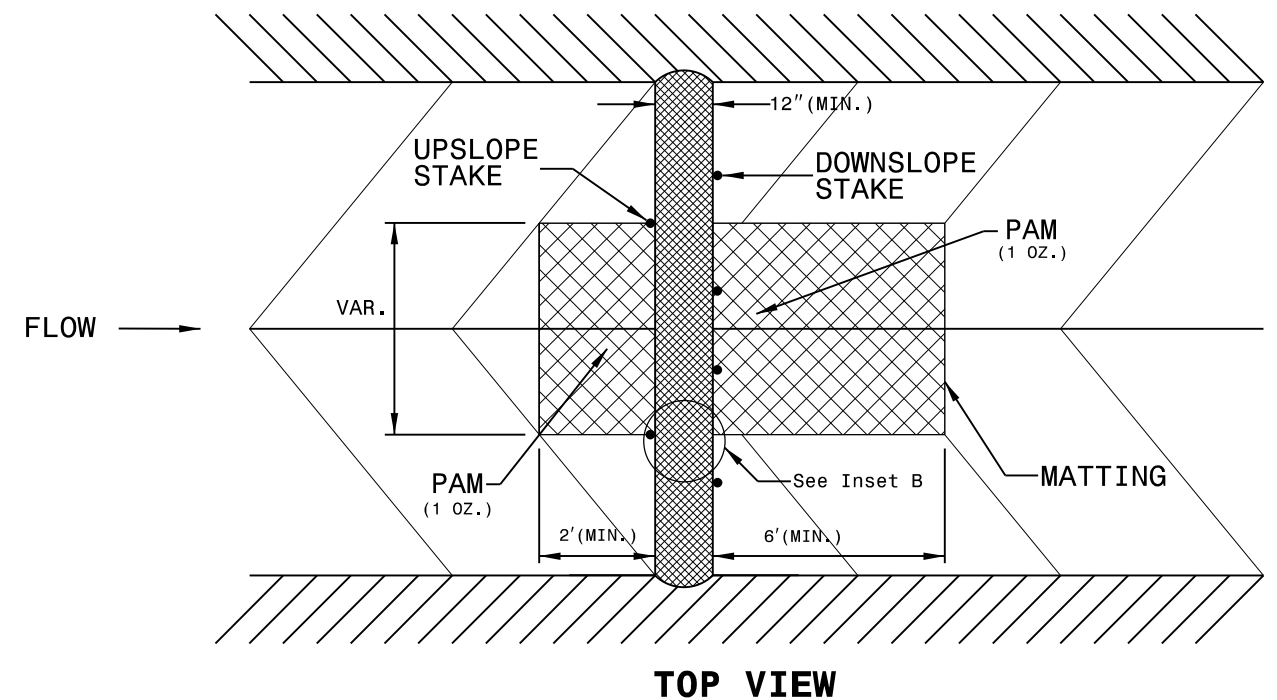
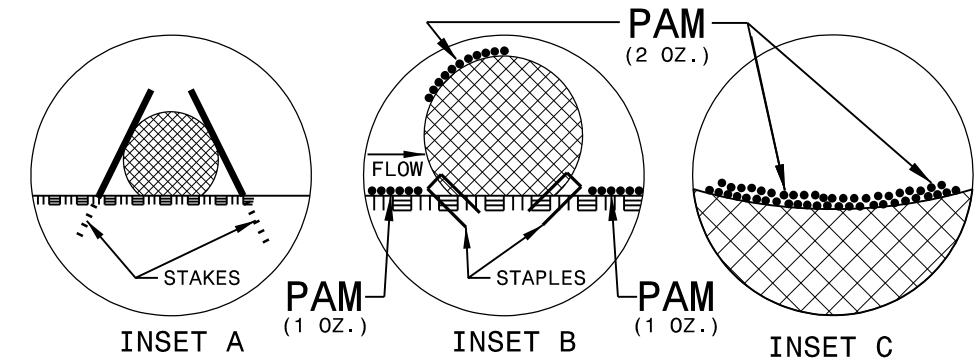
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

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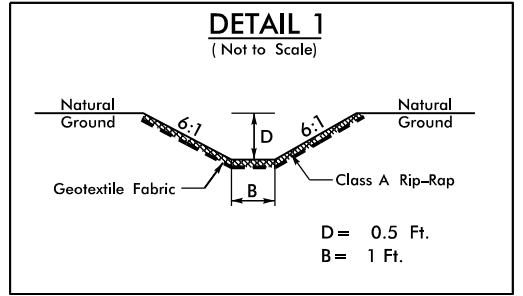
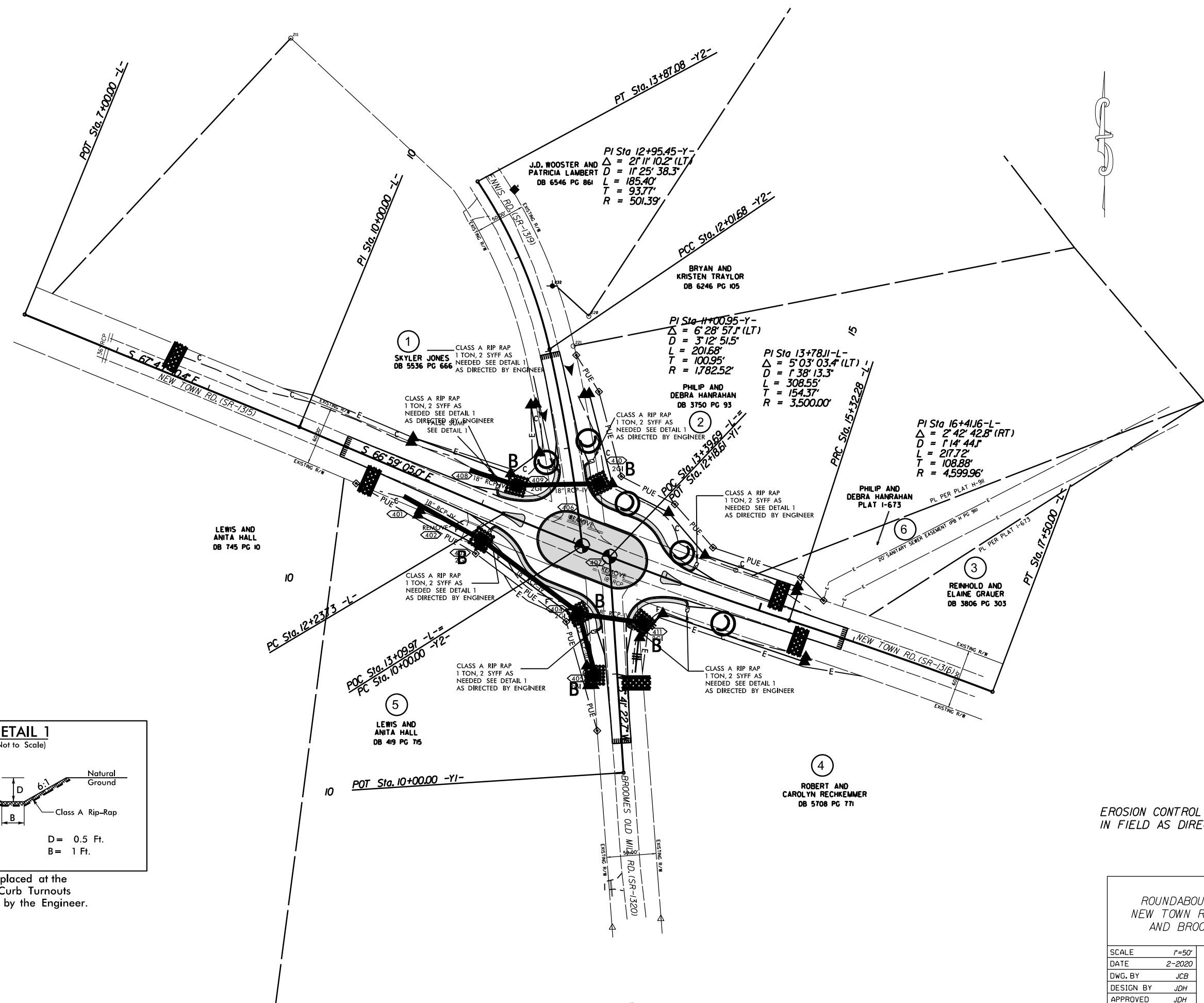


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PROJECT REFERENCE NO. 44856.3.21	SHEET NO. EC-3
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# *SOIL STABILIZATION TIMEFRAMES*

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) 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 HOW ZONES.



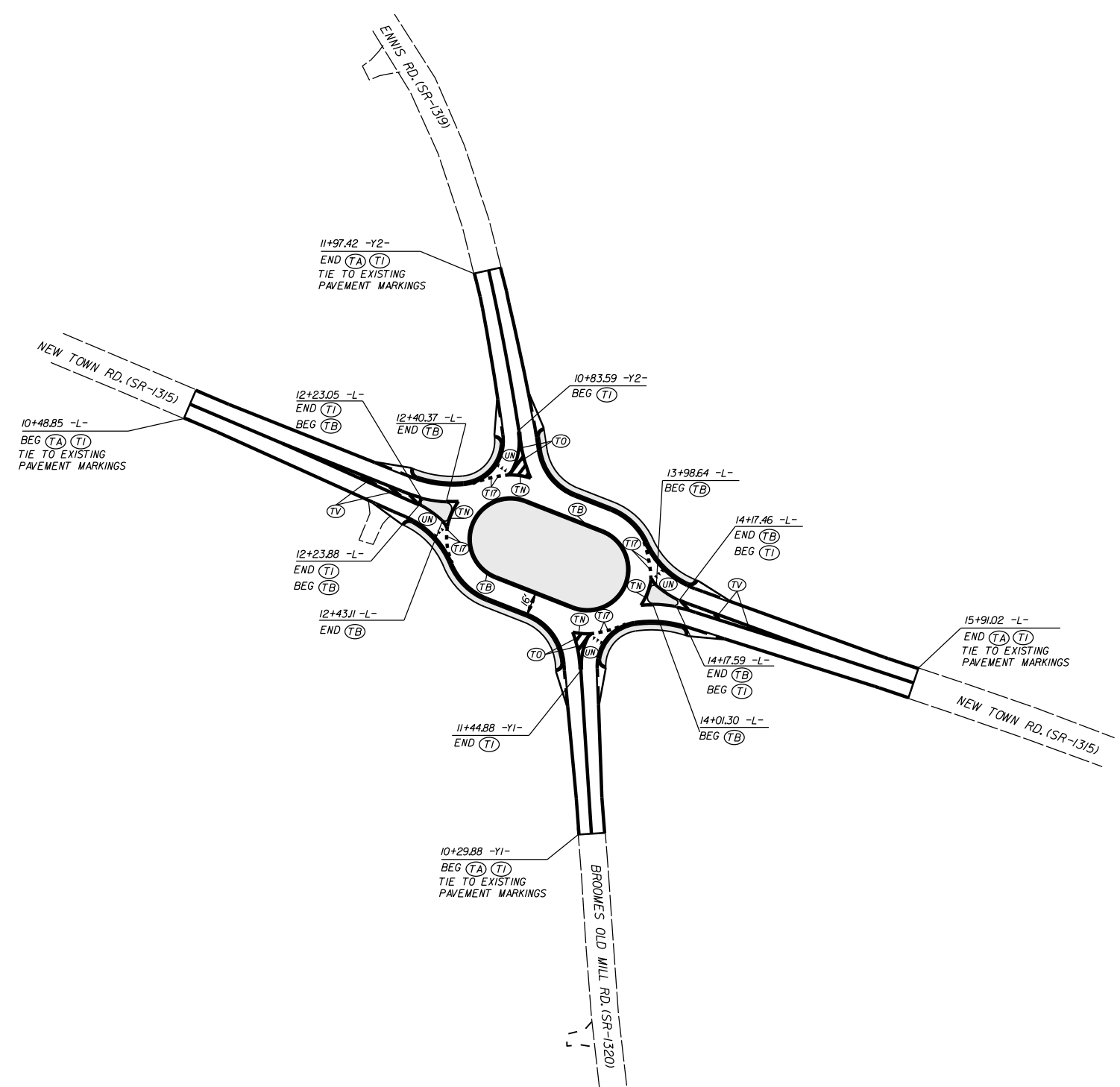
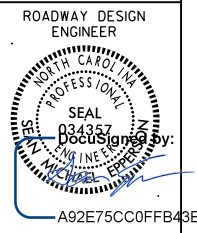
To be placed at the end of Curb Turnouts as directed by the Engineer.

EROSION CONTROL MEASURES MAY BE CHANGED, IN FIELD AS DIRECTED BY THE ENGINEER.

ROUNDABOUT AT THE INTERSECTION OF  
NEW TOWN RD.(SR-1315), ENNIS RD.(SR-1319),  
AND BROOMES OLD MILL RD.(SR-1320)

SCALE	r=50'		REVISIONS
DATE	2-2020		
DWG. BY	JCB		
DESIGN BY	JDH		
APPROVED	JDH		





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",.90 MIL)            | TV - WHITE LINE, RR X (16",.90 MIL)                          |
| TD - 3FT.-9FT./SP WHITE MINISKIP (4",.90 MIL) | T2 - WHITE STOPBAR (24",.90 MIL)                             |
| TE - WHITE SOLID LANE LINE (4",.90 MIL)       | T3 - WHITE CROSSWALK LINE (24",.90 MIL)                      |
| TF - 10FT. YELLOW SKIP (4",.90 MIL)           | T4 - WHITE RUMBLE STRIP (4",.240 MIL)                        |
| TH - YELLOW SINGLE CENTER (4",.90 MIL)        | T5 - YELLOW RUMBLE STRIP (4",.240 MIL)                       |
| TI - YELLOW DOUBLE CENTER (4",.90 MIL)        | T6 - WHITE EDGELINE (6",.90 MIL)                             |
| TJ - 10FT. WHITE SKIP (6",.90 MIL)            | T7 - YELLOW EDGELINE (6",.90 MIL)                            |
| TK - 3FT.-9FT./SP WHITE MINISKIP (6",.90 MIL) | T8 - 2FT.-6FT./SP WHITE MINISKIP (4",.90 MIL)                |
| TL - WHITE SOLID LANE LINE (6",.90 MIL)       | T9 - 2FT.-6FT./SP YELLOW MINISKIP (4",.90 MIL)               |
| TM - 10FT. YELLOW SKIP (6",.90 MIL)           | T10 - 3FT.-3FT./SP WHITE MINISKIP (12",.90 MIL)              |
| TN - WHITE GORELINE (8",.90 MIL)              | T11 - 2FT.-6FT./SP WHITE MINISKIP (6",.90 MIL)               |
| TO - WHITE DIAGONAL (8",.90 MIL)              | T12 - 2FT.-6FT./SP YELLOW MINISKIP (6",.90 MIL)              |
| TP - YELLOW DIAGONAL (8",.90 MIL)             | T13 - 3FT.-9FT./SP WHITE MINISKIP (8",.90 MIL)               |
| TQ - WHITE CROSSWALK LINE (8",.90 MIL)        | T14 - 3FT.-9FT./SP WHITE MINISKIP (12",.90 MIL)              |
| TR - WHITE SOLID LANE LINE (8",.90 MIL)       | T15 - YELLOW SINGLE CENTER (6",.90 MIL)                      |
| TS - WHITE GORELINE (12",.90 MIL)             | T16 - YELLOW DOUBLE CENTER (6",.90 MIL)                      |
| TT - WHITE SOLID LANE LINE (12",.90 MIL)      | T17 - 3FT.-3FT./SP WHITE MINISKIP ENTRANCE LINE (8",.90 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)                   | UW - 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)                 | WA - FISH-HOOK W/CIRCLE LEFT ARROW (90 MIL)                |
| UI - ALPHANUMERIC CHAR. (90 MIL)               | WB - FISH-HOOK W/CIRCLE LEFT/STRAIGHT ARROW (90 MIL)       |
| UJ - BICYCLE SYMBOL (90 MIL)                   | WC - FISH-HOOK W/CIRCLE LEFT/RIGHT/STRAIGHT ARROW (90 MIL) |
| UK - BICYCLE STRAIGHT ARROW (90 MIL)           |  |
| UL - BICYCLE CHAR. (90 MIL)                    | MA - PERMANENT RAISED MARKER (YELLOW & YELLOW)             |
| UM - 12" YIELD LINE TRIANGLE (90 MIL)          | MB - PERMANENT RAISED MARKER (CRYSTAL & RED)               |
| UN - 24" YIELD LINE TRIANGLE (90 MIL)          | MC - PERMANENT RAISED MARKER (YELLOW & RED)                |
| UO - BICYCLE LEFT ARROW (90 MIL)               | MD - PERMANENT RAISED MARKER (YELLOW)                      |
| UP - MERGE ARROW (90 MIL)                      | ME - SNOWPLOWABLE MARKER (YELLOW & YELLOW)                 |
| UQ - RAMP ARROW SYMBOL (90 MIL)                | MF - SNOWPLOWABLE MARKER (CRYSTAL & RED)                   |
| UR - SHARROW (90 MIL)                          | MG - SNOWPLOWABLE MARKER (YELLOW & RED)                    |
| US - BICYCLE LOOP DETECTOR (90 MIL)            | ML - PERMANENT RAISED MARKER (CRYSTAL & CRYSTAL)           |
| UT - U-TURN ARROW (90 MIL)                     | MO - SNOWPLOWABLE MARKER (CRYSTAL & CRYSTAL)               |


ROUNDABOUT AT THE INTERSECTION OF  
NEW TOWN RD.(SR-1315),ENNIS RD.(SR-1319),  
AND BROOMES OLD MILL RD.(SR-1320)

SCALE	r=50'		REVISIONS
DATE	11-2019		
DWG. BY	JCB		
DESIGN BY	JCB		
APPROVED	JDH		

**STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN  
UNION COUNTY**

**LOCATION: INTERSECTION OF NEW TOWN RD.(SR-1315), ENNIS RD (SR-1319),  
AND BROOMES OLD MILL RD.(SR-1320)**

PROJECT REFERENCE NO. W-5710U	SHEET NO. SIGN-1
Approved by: <u>Renee B. Roach</u> DATE: <u>9/28/2020</u>	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**T.I.P.: W-5710U**

**ROADWAY STANDARD DRAWING**

THE FOLLOWING ROADWAY STANDARDS AS APPEAR 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.	TITLE
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
901.40	SINGLE/TWO LANE ROUNDABOUT WITH PEDESTRIAN








**SUMMARY OF QUANTITIES**

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	350	L.F.
4102000000	904	SIGN ERECTION, TYPE E	19	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E	1	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	5	EA.

**GENERAL NOTES**

- . SIGNS FURNISHED BY STATE
- . CONFIRM IN WRITING AT LEAST 4 MONTHS IN ADVANCE, THE ACTUAL DATE THE DEPARTMENT FURNISHED SIGNS WILL BE REQUIRED.
- . IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
- . ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- . WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.

**TYPE E SIGNS**

(401) QUANTITY REQ'D <u>4</u>  ONE "U" POST PER SIGN	(405) QUANTITY REQ'D <u>1</u>  MOUNT BELOW SIGN 403 TWO "U" POST PER SIGN
(402) QUANTITY REQ'D <u>4</u>  ONE "U" POST PER SIGN	(406) QUANTITY REQ'D <u>1</u>  MOUNT BELOW SIGN 403 TWO "U" POST PER SIGN
(403) QUANTITY REQ'D <u>4</u>  TWO "U" POST PER SIGN	(407) QUANTITY REQ'D <u>2</u>  MOUNT BELOW SIGN 403 TWO "U" POST PER SIGN
	(408) QUANTITY REQ'D <u>3</u>  ONE "U" POST PER SIGN


**INDEX**

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	SIGN DESIGNS
SIGN-3	EXISTING SIGN SHEET
SIGN-4	PROPOSED SIGN SHEET

PLAN PREPARED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT

Kelvin Jordan SIGNING & DELINEATION REGIONAL ENGINEER  
J.Navarrete SIGNING & DELINEATION PROJECT DESIGN ENGINEER



TIP NO. SHEET NO.  
 W-5710U SIGN-2  
 Approved: *Renee B. Roach*  
 DATE: 9/28/2020  
 SEAL  
  
 DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

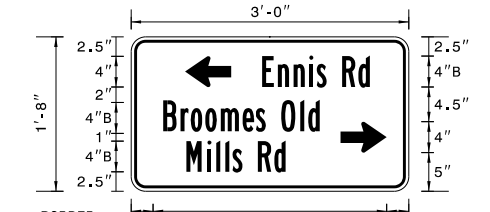
SIGN NUMBER: 405  
 TYPE: E  
 QUANTITY: 1  
 SIGN WIDTH: 3'-0"  
 HEIGHT: 1'-8"  
 TOTAL AREA: 5.0 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0.38"  
 WIDTH: 0.38"  
 RADII: 1.5"  
 NO. Z BARS:  
 LENGTH:

BACKG COLOR: Yellow  
 COPY COLOR: Black

SYMBOL	X	Y	WID	HT
AR_Type D	7	13.5	4	6
AR_Type D	27.1	5	4	6

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: J.Navarrete  
 PROJECT ID: W-5710U  
 CHECKED BY:  
 LOCATION:  
 May 20, 2020  
 DIV: 10



BORDER  
 R=1.5"  
 TH=0.38"  
 IN=0.38"

MOUNT UNDERNEATH SIGN 403

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
B 2000	14
B 2000	20.3
B 2000	12.9

FILENAME: W-5710U\_New Town\_Ennis\_Broomes Old Mill\_Sign Designs  
 NORTH CAROLINA D.O.T. SIGN DETAIL

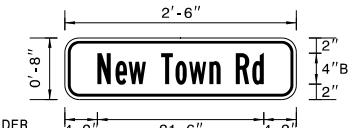
SIGN NUMBER: 407  
 TYPE: E  
 QUANTITY: 2  
 SIGN WIDTH: 2'-6"  
 HEIGHT: 0'-8"  
 TOTAL AREA: 1.7 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0.38"  
 WIDTH: 0.38"  
 RADII: 1.5"  
 NO. Z BARS:  
 LENGTH:

BACKG COLOR: Yellow  
 COPY COLOR: Black

SYMBOL	X	Y	WID	HT
AR_Type D	7	13.5	4	6
AR_Type D	27.1	5	4	6

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: J.Navarrete  
 PROJECT ID: W-5710U  
 CHECKED BY:  
 LOCATION:  
 May 20, 2020  
 DIV: 10



BORDER  
 R=1.5"  
 TH=0.38"  
 IN=0.38"

MOUNT UNDERNEATH SIGN 403

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size	Text Length
B 2000	21.6

FILENAME: W-5710U\_New Town\_Ennis\_Broomes Old Mill\_Sign Designs  
 NORTH CAROLINA D.O.T. SIGN DETAIL

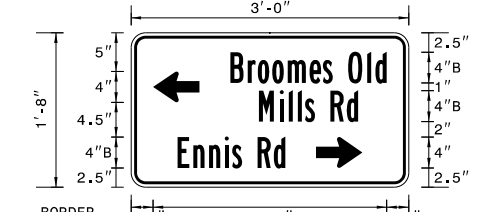
SIGN NUMBER: 406  
 TYPE: E  
 QUANTITY: 1  
 SIGN WIDTH: 3'-0"  
 HEIGHT: 1'-8"  
 TOTAL AREA: 5.0 Sq.Ft.  
 BORDER TYPE: FLUSH  
 RECESS: 0.38"  
 WIDTH: 0.38"  
 RADII: 1.5"  
 NO. Z BARS:  
 LENGTH:

BACKG COLOR: Yellow  
 COPY COLOR: Black

SYMBOL	X	Y	WID	HT
AR_Type D	2.9	11	4	6
AR_Type D	24	2.5	4	6

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: J.Navarrete  
 PROJECT ID: W-5710U  
 CHECKED BY:  
 LOCATION:  
 May 20, 2020  
 DIV: 10



BORDER  
 R=1.5"  
 TH=0.38"  
 IN=0.38"

MOUNT UNDERNEATH SIGN 403

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

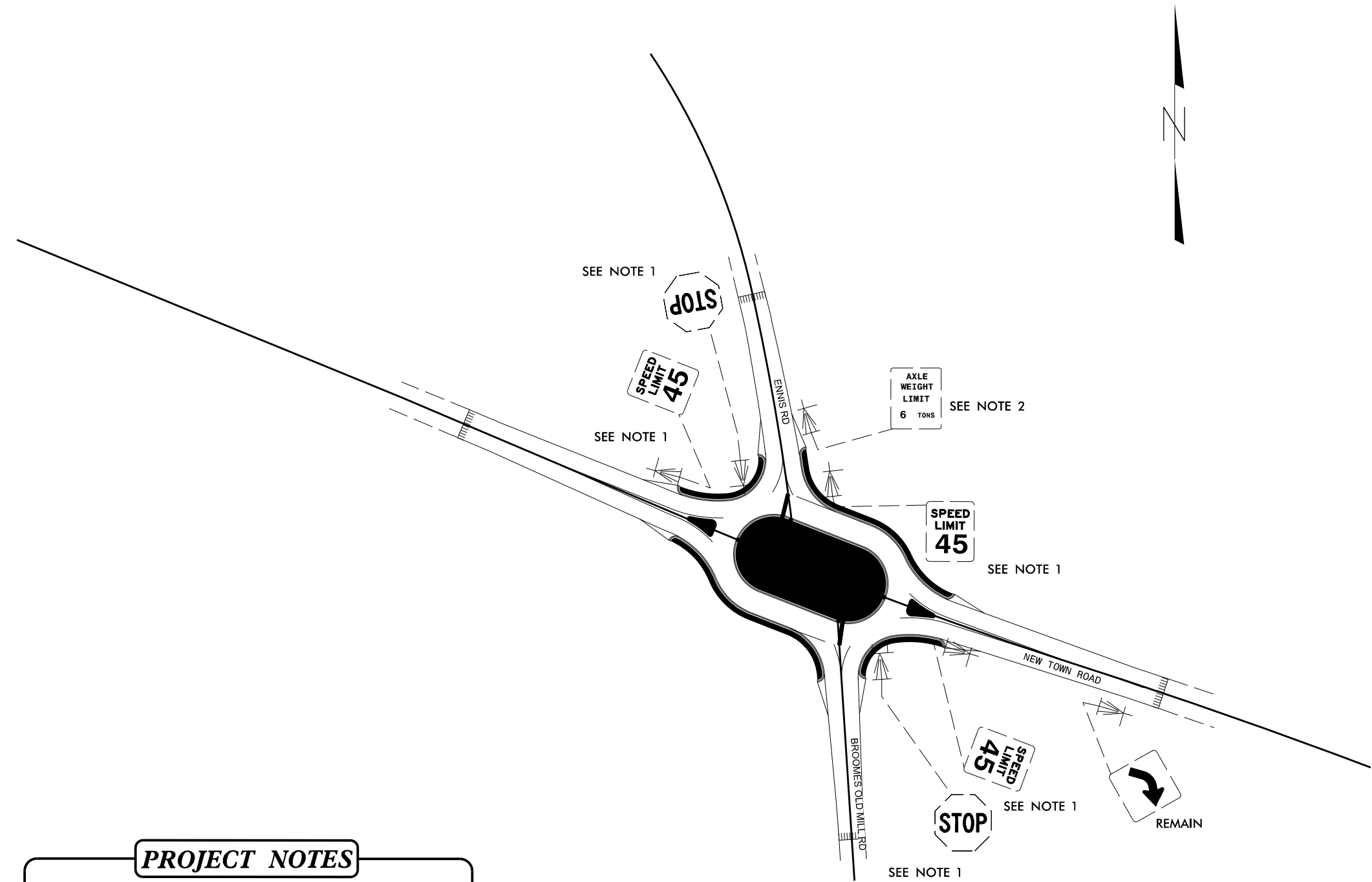
Letter spacings are to start of next letter

Series/Size	Text Length
B 2000	20.3
B 2000	12.9
B 2000	14

FILENAME: W-5710U\_New Town\_Ennis\_Broomes Old Mill\_Sign Designs  
 NORTH CAROLINA D.O.T. SIGN DETAIL

09/21/20  
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 User: jnavarrete

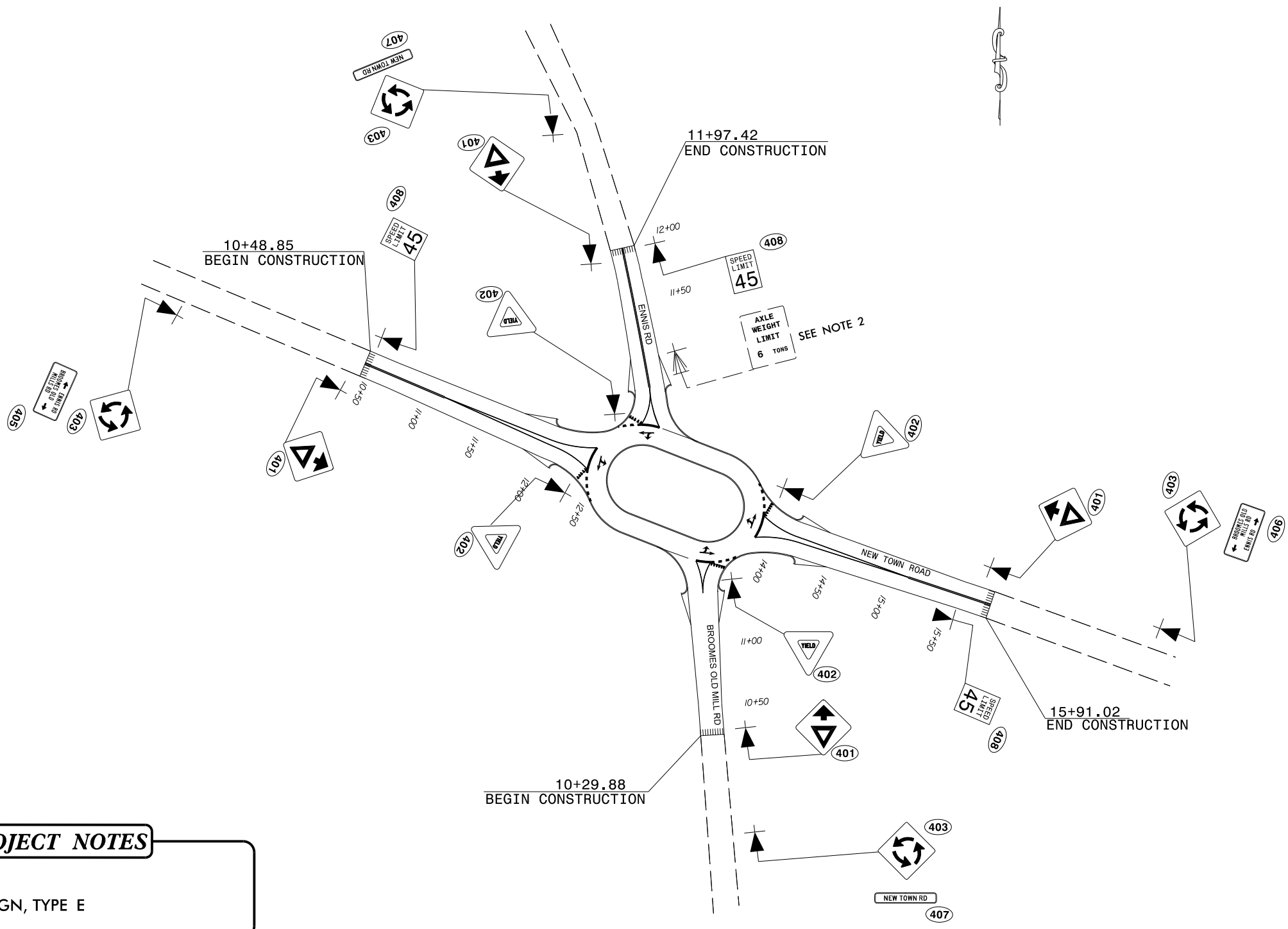
# SIGN DESIGNS



**PROJECT NOTES**

1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL  
 2 RELOCATE SIGN, TYPE E

**EXISTING**

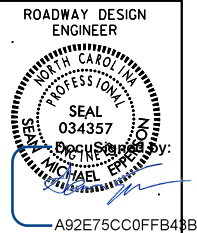


**PROJECT NOTES**

2 RELOCATE SIGN, TYPE E

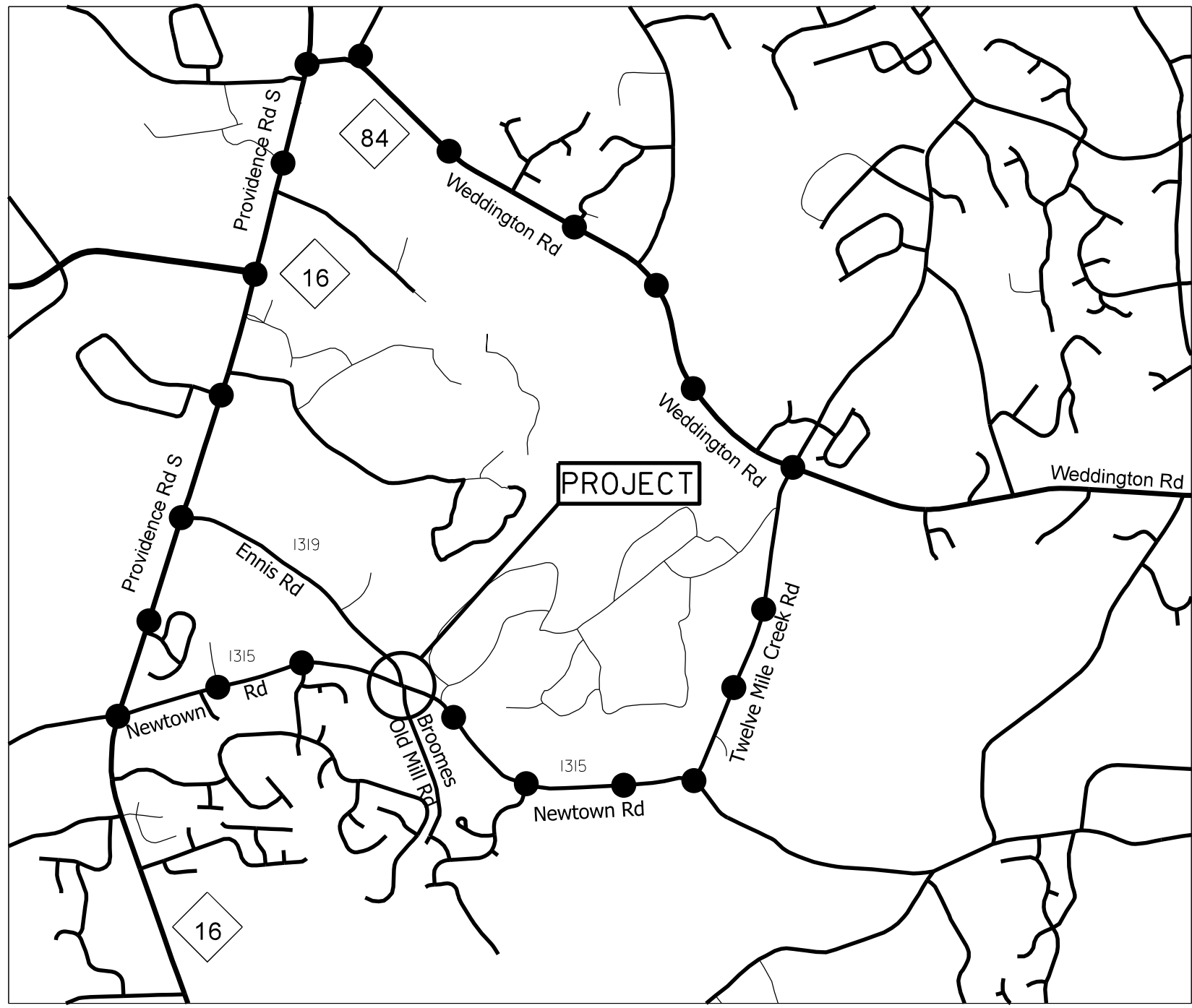
**PROPOSED**

PROJECT NO.	SHEET NO.
44856.3.21	TCP-1
F.A. PROJECT NO.	HSP-1315(020)

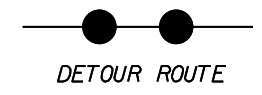



# OFFSITE DETOUR

OFFSITE DETOUR TO BE INSTALLED AND MAINTAINED BY NCDOT.



NOTE: CONTRACTOR SHALL CONTACT  
SELINA BLALOCK AT 704-244-8270  
TWO WEEKS PRIOR TO ROAD CLOSURE.

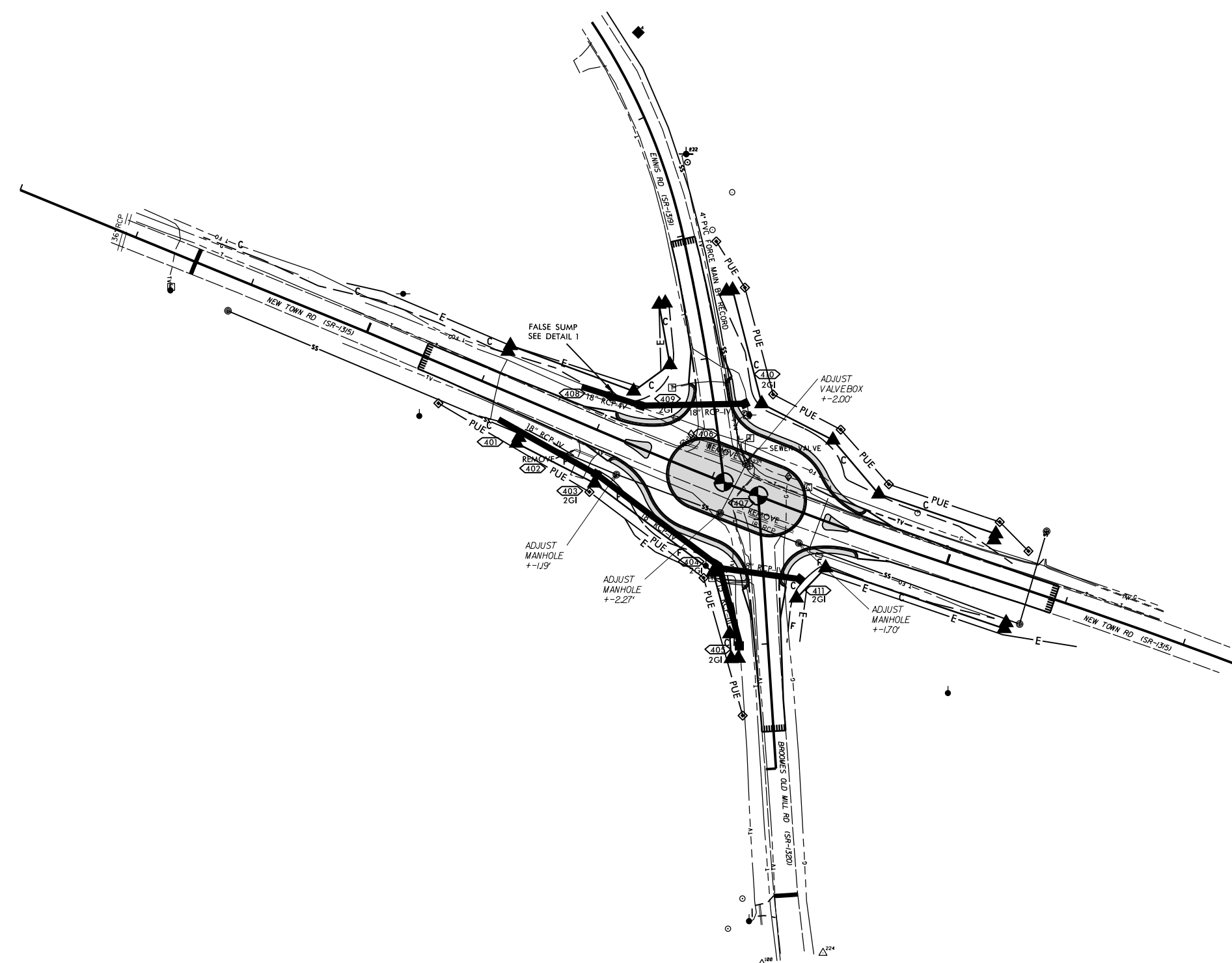


SCALE		N/A		REVISIONS
DATE		2-2020		
DWG. BY		JCB		
DESIGN BY		JCB		
APPROVED		JDH		

ROUNDBOULT AT THE INTERSECTION OF  
NEW TOWN RD.(SR-1315),ENNIS RD.(SR-1319),  
AND BROOMES OLD MILL RD.(SR-1320)



PROJECT NO.	SHEET NO.
44856.3.21	UC-1
F.A. PROJECT NO.	HSP-1315(020)



**NOTES:**


CONTACT MICHAEL CALDWELL OF UNION COUNTY PUBLIC WORKS 72 HOURS PRIOR TO BEGINNING WORK ON THIS FORCED SANITARY SEWER AT MICHAEL.CALDWELL@UNIONCOUNTYNC.GOV OR 704-968-4150

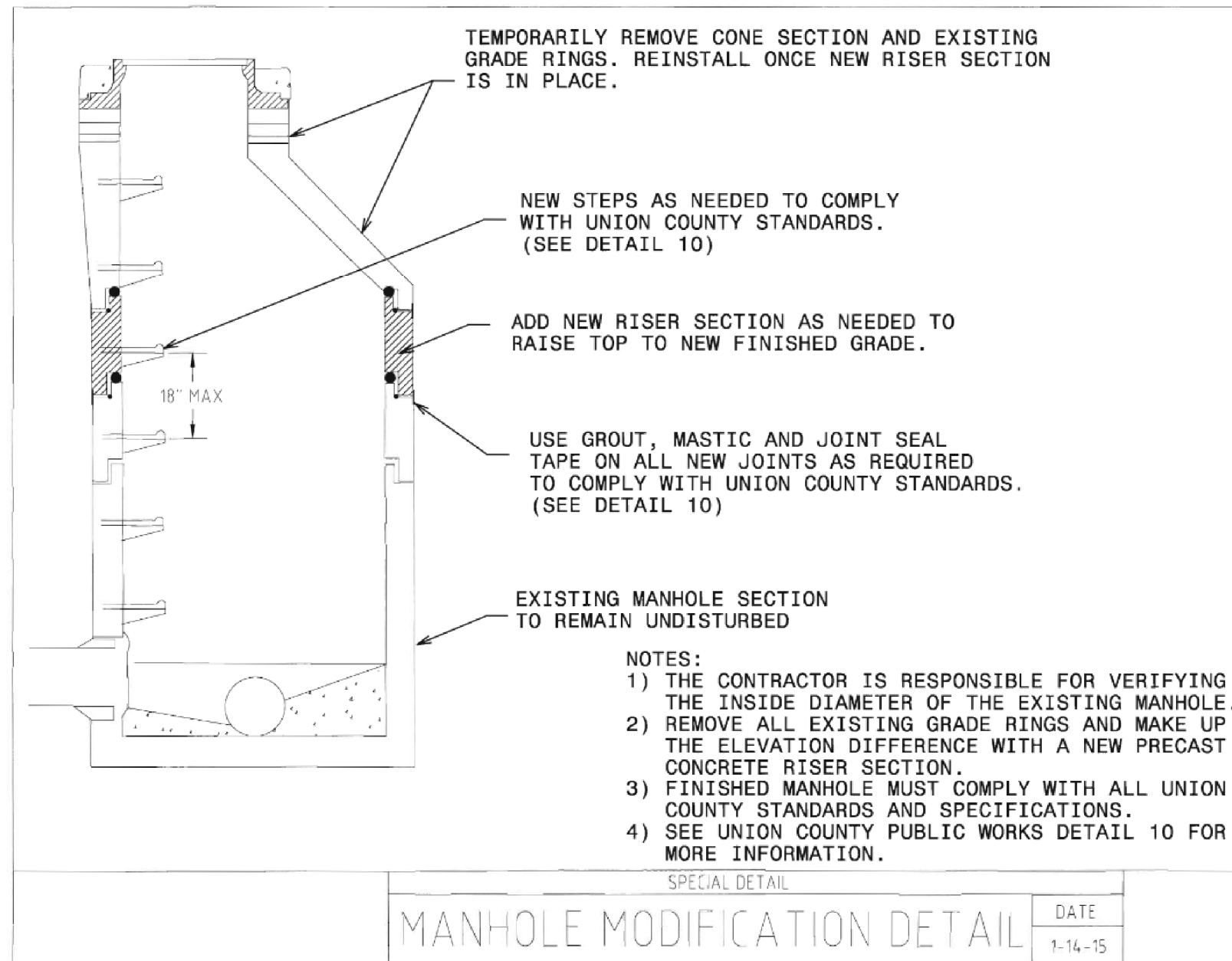
MANHOLES SHOULD BE ADJUSTED BY ADDING CONCRETE DRADE RINGS TO THE BARREL OF THE MANHOLE FOR ADJUSTMENTS OF 12 INCHES OR MORE, NOT BY RAISING THE MANHOLE RIMS WITH 2 FT DIAMETER CONCRETE RINGS, CAST IRON RINGS, OR COURSES OF BRICK.

WHEN ADJUSTING DUMMY VALVE BOX, THE VERTICAL PIPE SHOULD EXTEND TO THE BOTTOM OF THE ADJUSTED VALVE BOX AND THE WIRE INSIDE THE VALVE BOX SHOULD EXTEND ABOVE THE FINISHED GRADE WHEN UNFURLED.

CONTRACTOR TO VERIFY ELEVATION OF EXISTING FSS PRIOR TO INSTALLING 18 INCH RCP BETWEEN d1-409 AND d1-410.

ROUNDABOUT AT THE INTERSECTION OF  
NEW TOWN RD.(SR-1315), ENNIS RD.(SR-1319),  
AND BROOMES OLD MILL RD.(SR-1320)

SCALE	r=50'		REVISIONS
DATE	10-2022		
DWG. BY	JCB		
DESIGN BY	JCB		
APPROVED	JDH		

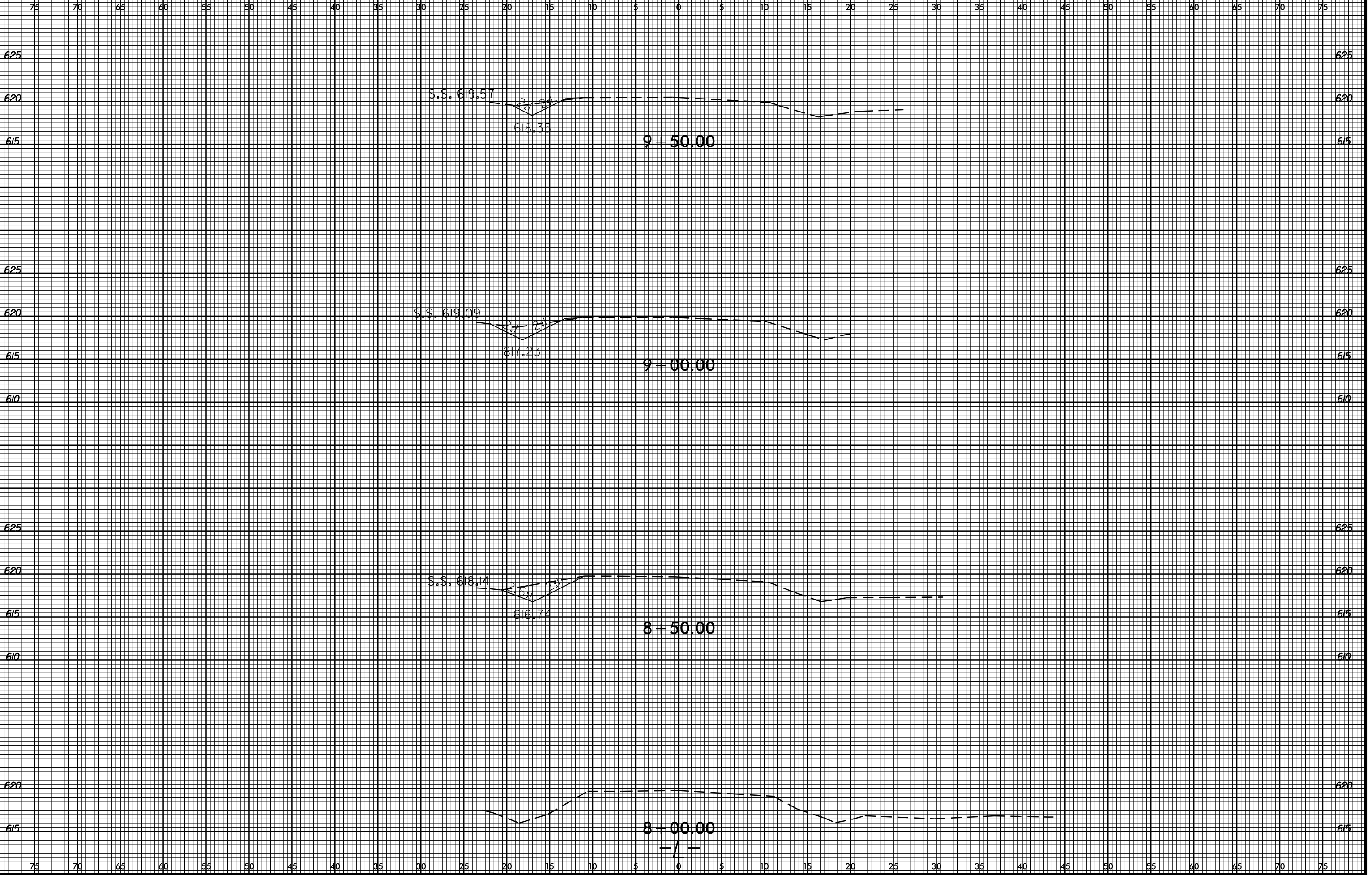


ROUNDAABOUT AT THE INTERSECTION OF  
 NEW TOWN RD.(SR-1315),ENNIS RD.(SR-1319),  
 AND BROOMES OLD MILL RD.(SR-1320)

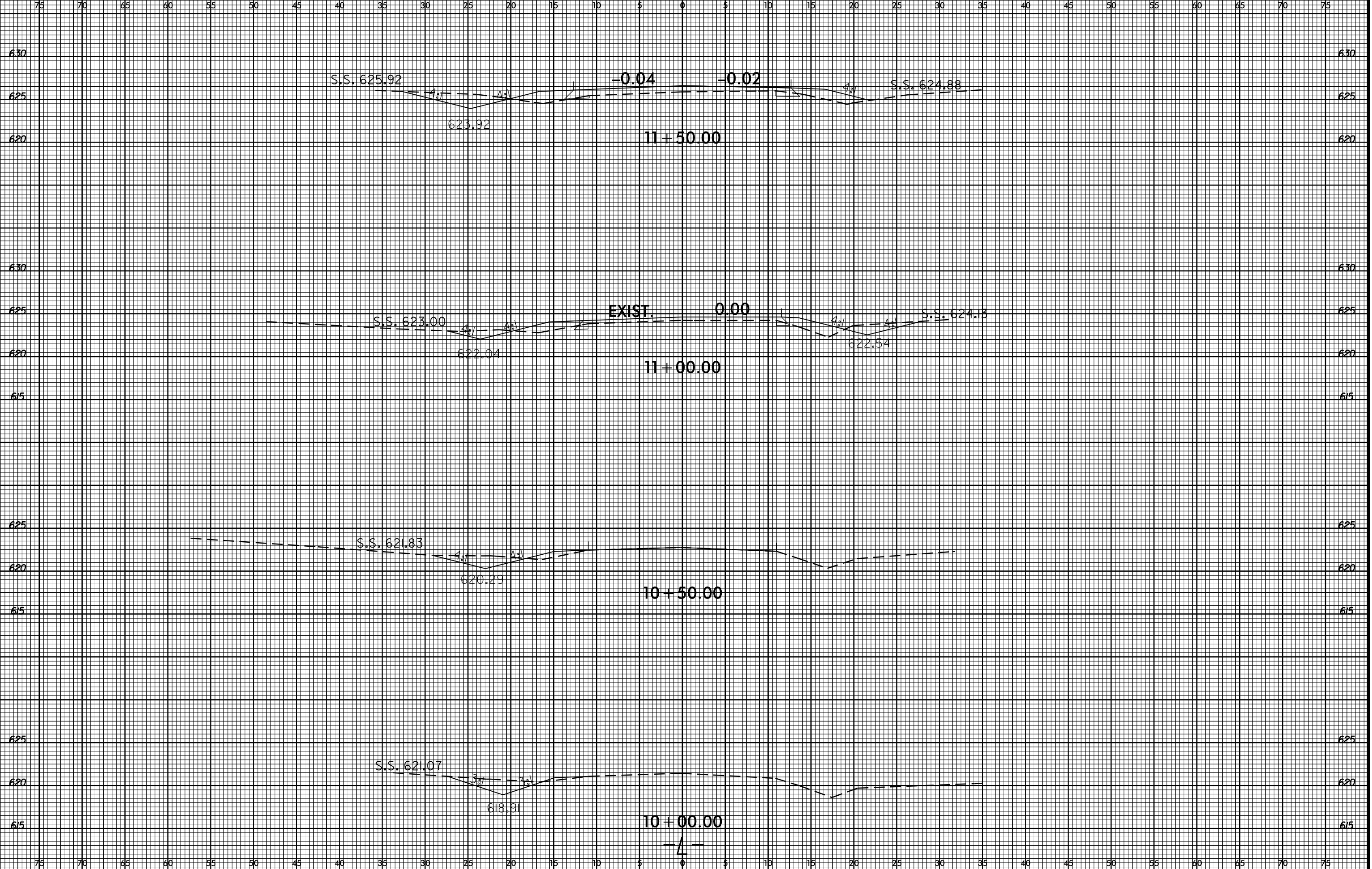
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DATE	10-2022
DWG. BY	JCB
DESIGN BY	JCB
APPROVED	JDH



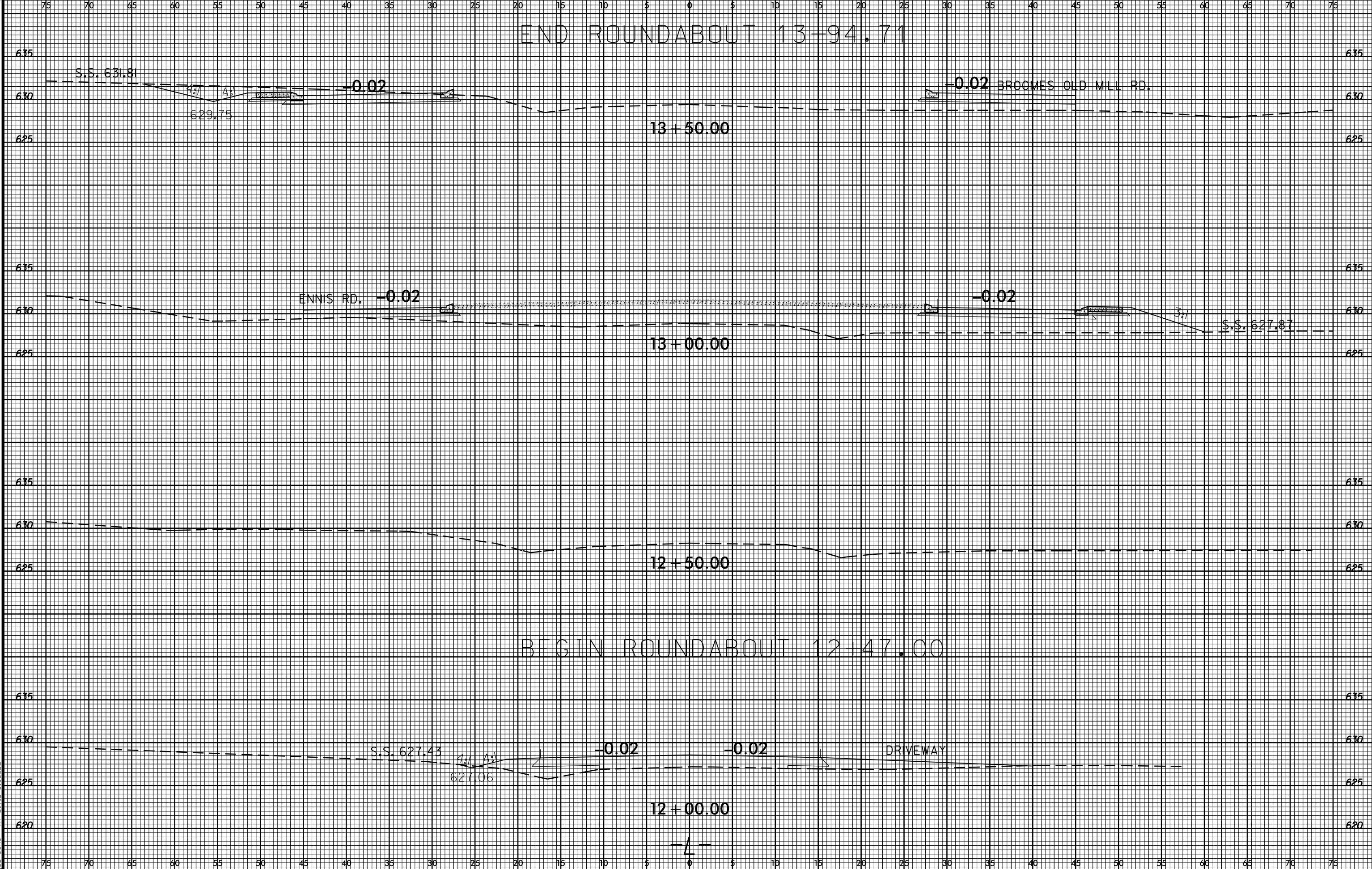
REVISIONS

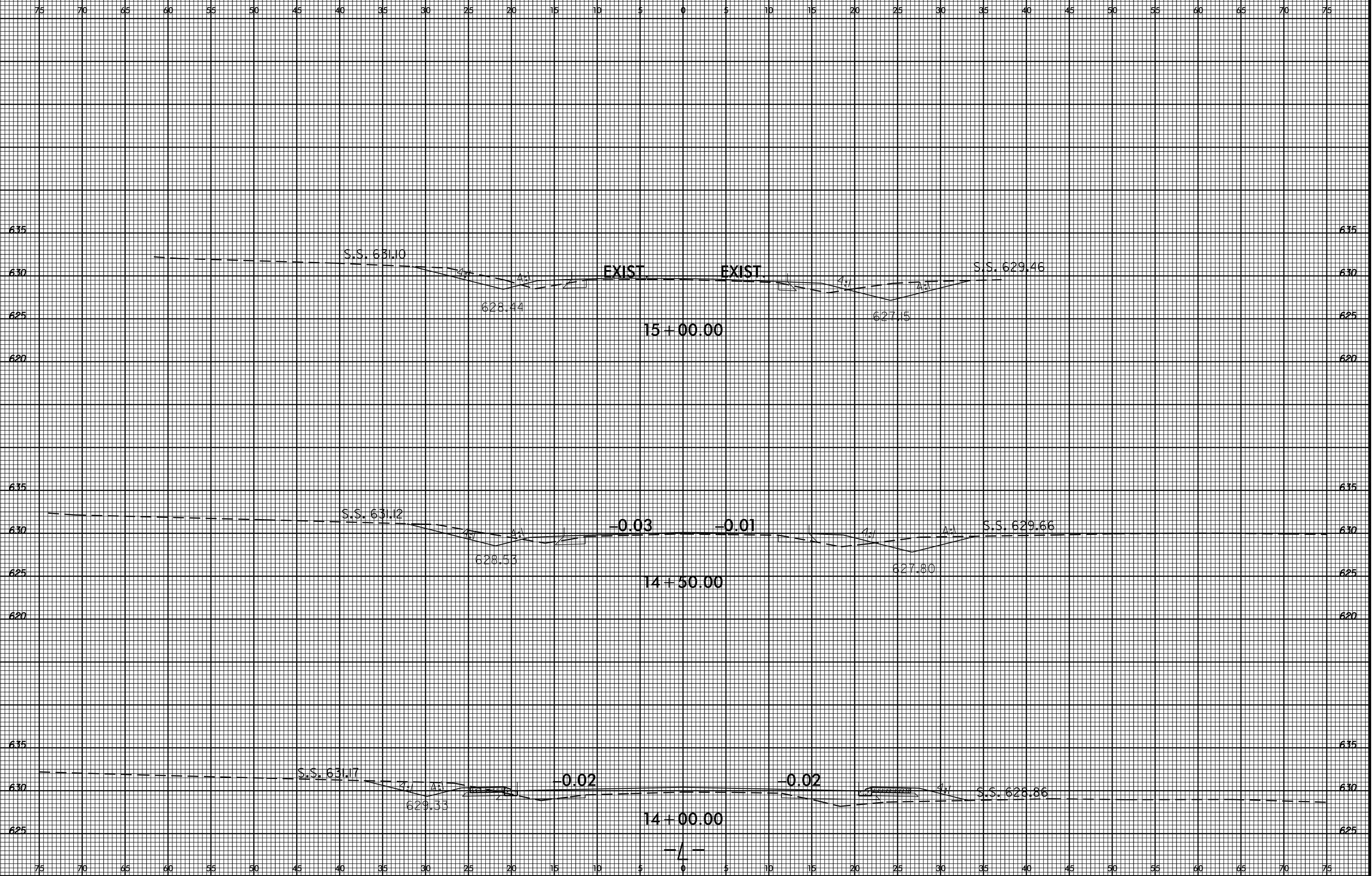
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6/23/16

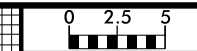


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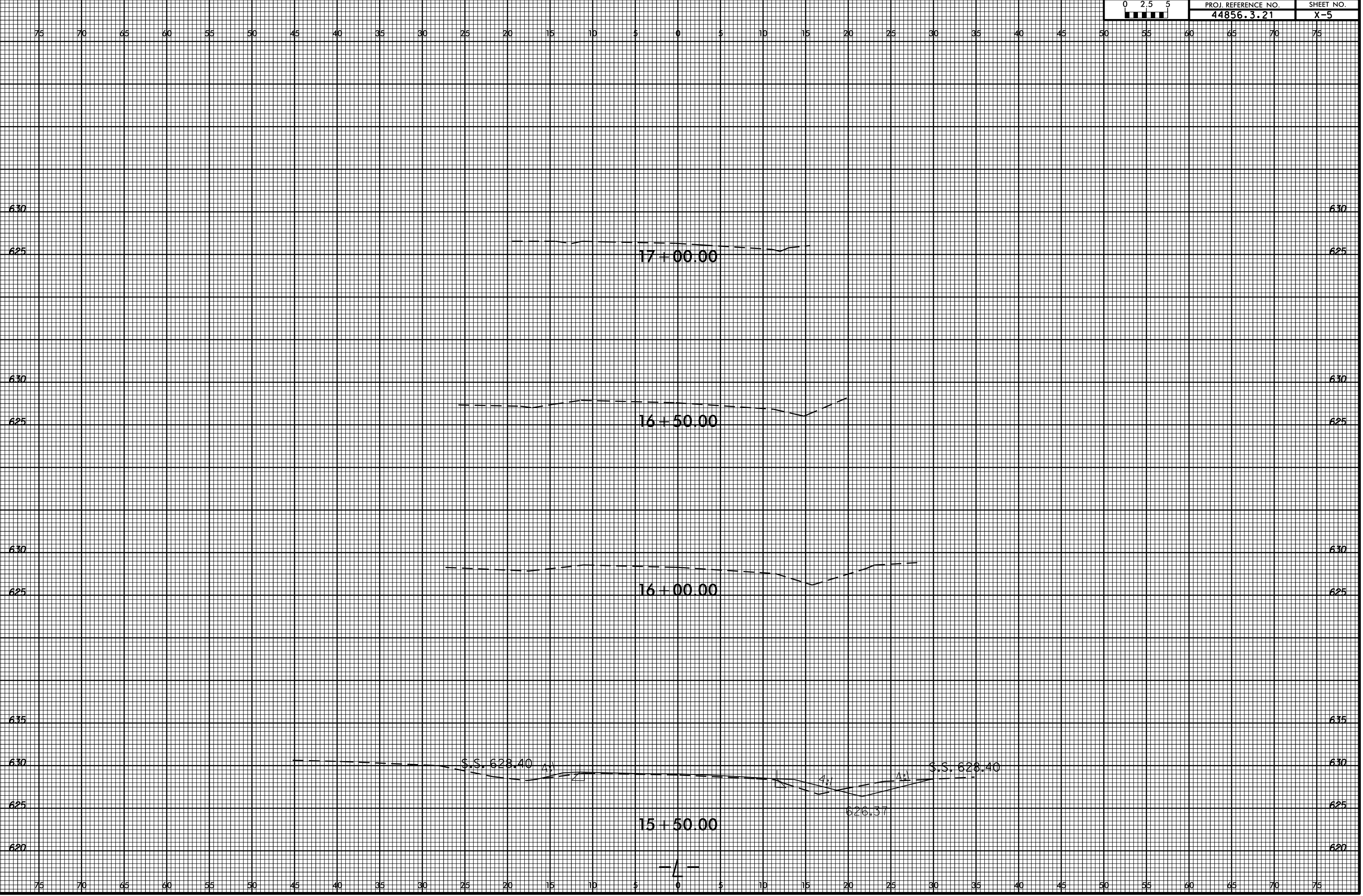


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PROJ. REFERENCE NO.  
44856.3.21

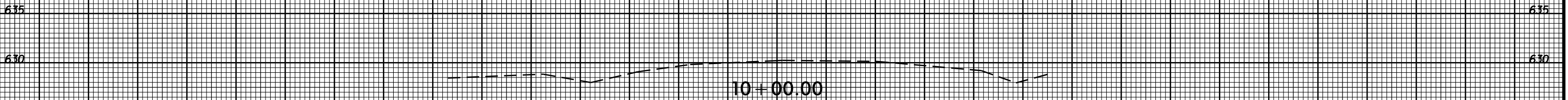
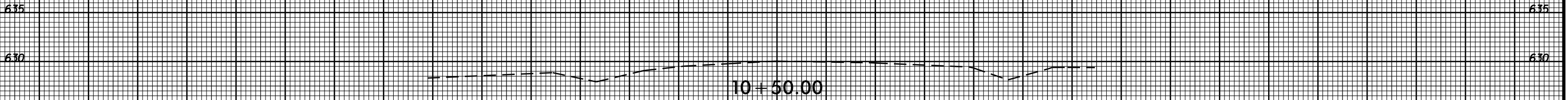
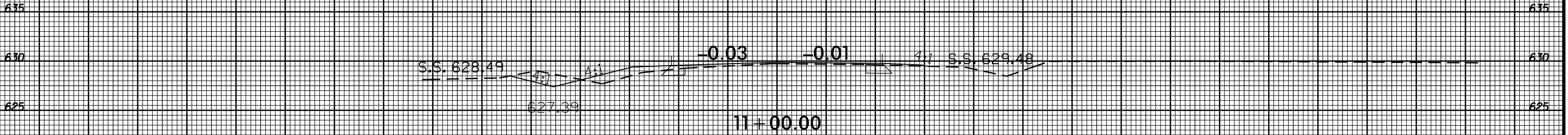
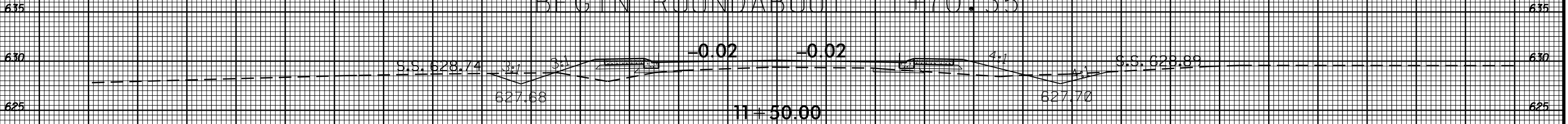
SHEET NO.  
X-5





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BEGIN ROUNDABOUT 11+70.35



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

-Y/-

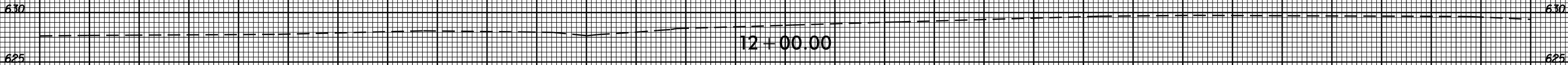
6/23/16



PROJ. REFERENCE NO.
W-5710U

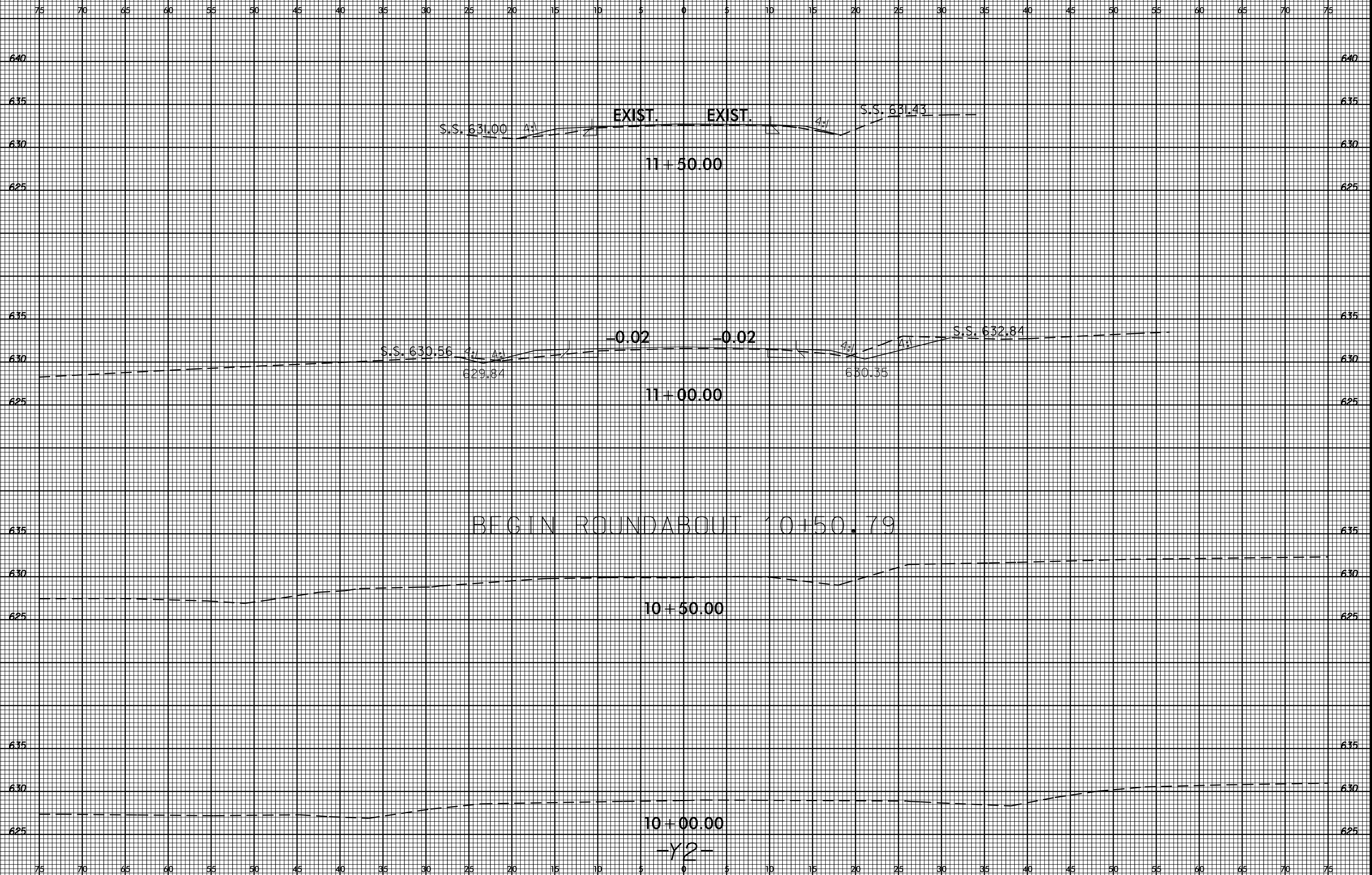
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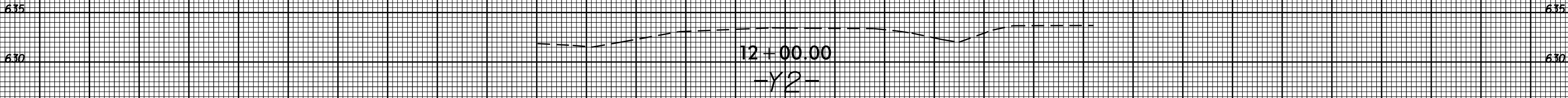
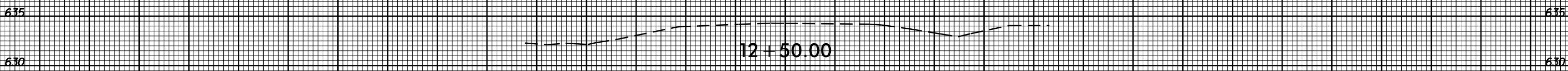
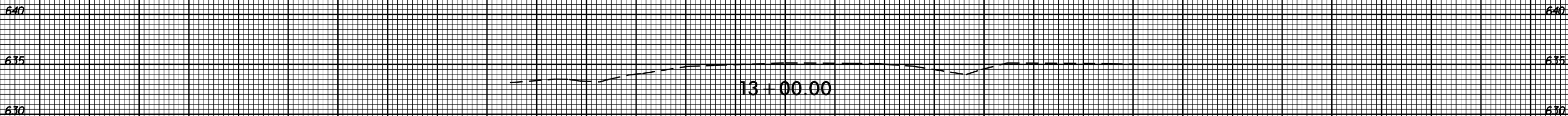
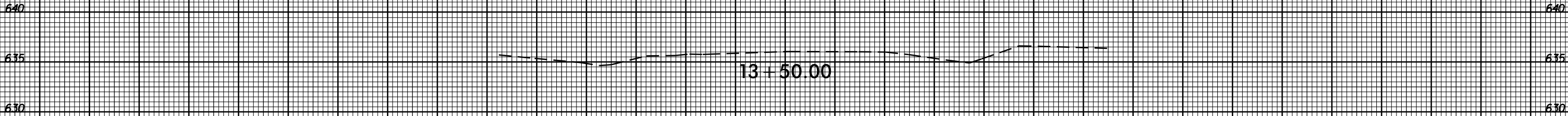
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