

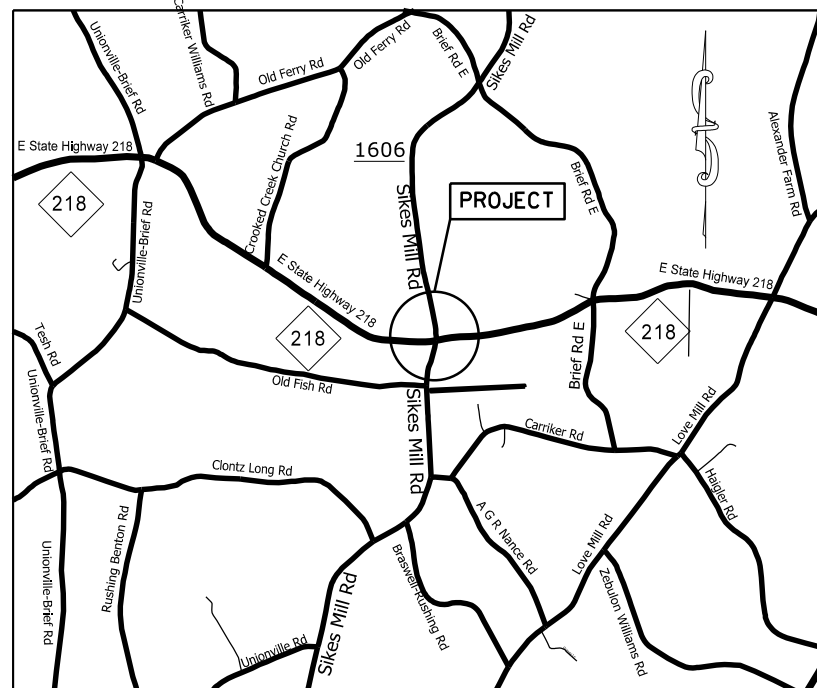
PROJECT: 44856.3.37 TIP: W-5710A1

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	44856.3.37	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44856.1.37	HSIP-0218(016)	P.E.	
44856.2.37	HSIP-0218(016)	R/W	
44856.3.37	HSIP-0218(016)	CONST.	

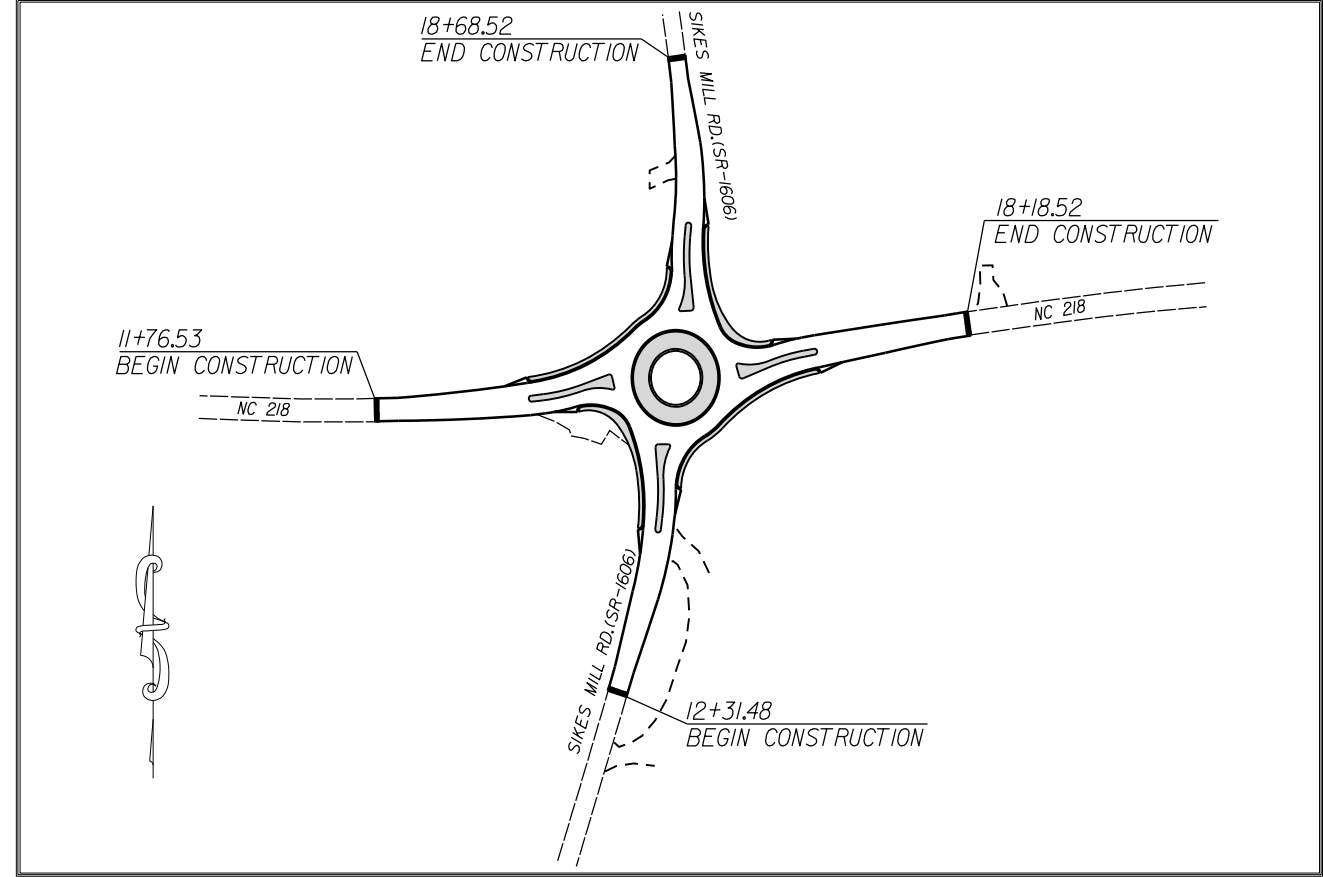
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
UNION COUNTY

LOCATION: INTERSECTION OF NC 218 AND SIKES MILL RD. (SR-1606)

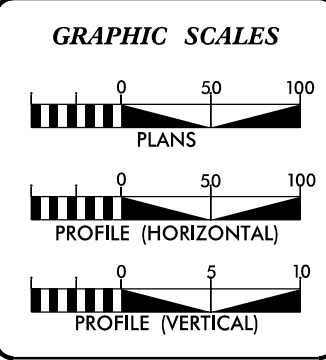
TYPE OF WORK: GRADING, PAVING, MILLING, DRAINAGE, PAVEMENT REMOVAL, MONOLITHIC CONCRETE ISLANDS AND THERMOPLASTIC PAVEMENT MARKINGS



VICINITY MAP NOT TO SCALE



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



DESIGN DATA

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

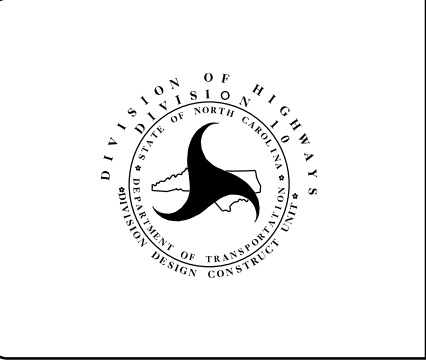
PROJECT LENGTH

LENGTH OF ROADWAY PROJECT	44856.3.37	=	0.24	MILES
TOTAL LENGTH OF STATE PROJECT	44856.3.37	=	0.24	MILES

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

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: AUGUST 19, 2022	DONALD HARWARD PROJECT ENGINEER
LETTING DATE: JANUARY 3, 2024	JASON BROOKS PROJECT DESIGN ENGINEER



ROADWAY DESIGN ENGINEER
10/20/2023

DocuSigned by:
Travis Preslar
A53C1AC7A1FF47B...

SIGNATURE

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS CONVENTIONAL PLAN SHEET SYMBOLS

Note: Not to Scale

BOUNDARIES AND PROPERTY:

State Line	-----	-----
County Line	-----	-----
Township Line	-----	-----
City Line	-----	-----
Reservation Line	-----	-----
Property Line	-----	-----
Existing Iron Pin (EIP)	-----	⊙
Computed Property Corner	-----	X
Existing Concrete Monument (ECM)	-----	⊠
Parcel/Sequence Number	-----	123
Existing Fence Line	-----	-x-x-x-
Proposed Woven Wire Fence	-----	○
Proposed Chain Link Fence	-----	□
Proposed Barbed Wire Fence	-----	◇
Existing Wetland Boundary	-----	WLB
Proposed Wetland Boundary	-----	WLB
Existing Endangered Animal Boundary	-----	EAB
Existing Endangered Plant Boundary	-----	EPB
Existing Historic Property Boundary	-----	HPB
Known Contamination Area: Soil	-----	-S-S-
Potential Contamination Area: Soil	-----	-S-S-
Known Contamination Area: Water	-----	-W-W-
Potential Contamination Area: Water	-----	-W-W-
Contaminated Site: Known or Potential	-----	☠ ?

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	-----	○
Sign	-----	⊙
Well	-----	⊙
Small Mine	-----	⊗
Foundation	-----	⊠
Area Outline	-----	⊠
Cemetery	-----	⊠
Building	-----	⊠
School	-----	⊠
Church	-----	⊠
Dam	-----	⊠

HYDROLOGY:

Stream or Body of Water	-----	-----
Hydro, Pool or Reservoir	-----	-----
Jurisdictional Stream	-----	JS
Buffer Zone 1	-----	BZ 1
Buffer Zone 2	-----	BZ 2
Flow Arrow	-----	←
Disappearing Stream	-----	→
Spring	-----	⊙
Wetland	-----	⊙
Proposed Lateral, Tail, Head Ditch	-----	-----
False Sump	-----	-----

RAILROADS:

Standard Gauge	-----	-----
RR Signal Milepost	-----	-----
Switch	-----	-----
RR Abandoned	-----	-----
RR Dismantled	-----	-----

RIGHT OF WAY & PROJECT CONTROL:

Primary Horiz Control Point	-----	⬡
Primary Horiz and Vert Control Point	-----	⬢
Secondary Horiz and Vert Control Point	-----	⬢
Vertical Benchmark	-----	⊠
Existing Right of Way Monument	-----	⬡
Proposed Right of Way Monument (Rebar and Cap)	-----	⬢
Proposed Right of Way Monument (Concrete)	-----	⬢
Existing Permanent Easement Monument	-----	⬢
Proposed Permanent Easement Monument (Rebar and Cap)	-----	⬢
Existing C/A Monument	-----	⬢
Proposed C/A Monument (Rebar and Cap)	-----	⬢
Proposed C/A Monument (Concrete)	-----	⬢
Existing Right of Way Line	-----	-----
Proposed Right of Way Line	-----	-----
Existing Control of Access Line	-----	-----
Proposed Control of Access Line	-----	-----
Proposed ROW and CA Line	-----	-----
Existing Easement Line	-----	-----
Proposed Temporary Construction Easement	-----	-----
Proposed Temporary Drainage Easement	-----	-----
Proposed Permanent Drainage Easement	-----	-----
Proposed Permanent Drainage/Utility Easement	-----	-----
Proposed Permanent Utility Easement	-----	-----
Proposed Temporary Utility Easement	-----	-----
Proposed Aerial Utility Easement	-----	-----

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----	-----
Existing Curb	-----	-----
Proposed Slope Stakes Cut	-----	-----
Proposed Slope Stakes Fill	-----	-----
Proposed Curb Ramp	-----	-----
Existing Metal Guardrail	-----	-----
Proposed Guardrail	-----	-----
Existing Cable Guiderail	-----	-----
Proposed Cable Guiderail	-----	-----
Equality Symbol	-----	-----
Pavement Removal	-----	-----
VEGETATION:		
Single Tree	-----	-----
Single Shrub	-----	-----
Hedge	-----	-----

Woods Line	-----	-----
Orchard	-----	-----
Vineyard	-----	-----

EXISTING STRUCTURES:

MAJOR:		
Bridge, Tunnel or Box Culvert	-----	-----
Bridge Wing Wall, Head Wall and End Wall	-----	-----
MINOR:		
Head and End Wall	-----	-----
Pipe Culvert	-----	-----
Footbridge	-----	-----
Drainage Box: Catch Basin, DI or JB	-----	-----
Paved Ditch Gutter	-----	-----
Storm Sewer Manhole	-----	-----
Storm Sewer	-----	-----

UTILITIES:

* SUE - Subsurface Utility Engineering
LOS - Level of Service - A, B, C or D (Accuracy)

POWER:		
Existing Power Pole	-----	-----
Proposed Power Pole	-----	-----
Existing Joint Use Pole	-----	-----
Proposed Joint Use Pole	-----	-----
Power Manhole	-----	-----
Power Line Tower	-----	-----
Power Transformer	-----	-----
U/G Power Cable Hand Hole	-----	-----
H-Frame Pole	-----	-----
U/G Power Line Test Hole (SUE - LOS A)*	-----	-----
U/G Power Line (SUE - LOS B)*	-----	-----
U/G Power Line (SUE - LOS C)*	-----	-----
U/G Power Line (SUE - LOS D)*	-----	-----

TELEPHONE:

Existing Telephone Pole	-----	-----
Proposed Telephone Pole	-----	-----
Telephone Manhole	-----	-----
Telephone Pedestal	-----	-----
Telephone Cell Tower	-----	-----
U/G Telephone Cable Hand Hole	-----	-----
U/G Telephone Test Hole (SUE - LOS A)*	-----	-----
U/G Telephone Cable (SUE - LOS B)*	-----	-----
U/G Telephone Cable (SUE - LOS C)*	-----	-----
U/G Telephone Cable (SUE - LOS D)*	-----	-----
U/G Telephone Conduit (SUE - LOS B)*	-----	-----
U/G Telephone Conduit (SUE - LOS C)*	-----	-----
U/G Telephone Conduit (SUE - LOS D)*	-----	-----
U/G Fiber Optics Cable (SUE - LOS B)*	-----	-----
U/G Fiber Optics Cable (SUE - LOS C)*	-----	-----
U/G Fiber Optics Cable (SUE - LOS D)*	-----	-----

WATER:

Water Manhole	-----	-----
Water Meter	-----	-----
Water Valve	-----	-----
Water Hydrant	-----	-----
U/G Water Line Test Hole (SUE - LOS A)*	-----	-----
U/G Water Line (SUE - LOS B)*	-----	-----
U/G Water Line (SUE - LOS C)*	-----	-----
U/G Water Line (SUE - LOS D)*	-----	-----
Above Ground Water Line	-----	A/G Water

TV:

TV Pedestal	-----	-----
TV Tower	-----	-----
U/G TV Cable Hand Hole	-----	-----
U/G TV Test Hole (SUE - LOS A)*	-----	-----
U/G TV Cable (SUE - LOS B)*	-----	-----
U/G TV Cable (SUE - LOS C)*	-----	-----
U/G TV Cable (SUE - LOS D)*	-----	-----
U/G Fiber Optic Cable (SUE - LOS B)*	-----	-----
U/G Fiber Optic Cable (SUE - LOS C)*	-----	-----
U/G Fiber Optic Cable (SUE - LOS D)*	-----	-----

GAS:

Gas Valve	-----	-----
Gas Meter	-----	-----
U/G Gas Line Test Hole (SUE - LOS A)*	-----	-----
U/G Gas Line (SUE - LOS B)*	-----	-----
U/G Gas Line (SUE - LOS C)*	-----	-----
U/G Gas Line (SUE - LOS D)*	-----	-----
Above Ground Gas Line	-----	A/G Gas

SANITARY SEWER:

Sanitary Sewer Manhole	-----	-----
Sanitary Sewer Cleanout	-----	-----
U/G Sanitary Sewer Line	-----	-----
Above Ground Sanitary Sewer	-----	A/G Sanitary Sewer
SS Force Main Line Test Hole (SUE - LOS A)*	-----	-----
SS Force Main Line (SUE - LOS B)*	-----	-----
SS Force Main Line (SUE - LOS C)*	-----	-----
SS Force Main Line (SUE - LOS D)*	-----	-----

MISCELLANEOUS:

Utility Pole	-----	-----
Utility Pole with Base	-----	-----
Utility Located Object	-----	-----
Utility Traffic Signal Box	-----	-----
Utility Unknown U/G Line (SUE - LOS B)*	-----	-----
U/G Tank; Water, Gas, Oil	-----	-----
Underground Storage Tank, Approx. Loc.	-----	-----
A/G Tank; Water, Gas, Oil	-----	-----
Geoenvironmental Boring	-----	-----
Abandoned According to Utility Records	-----	-----
End of Information	-----	-----

SURVEY CONTROL SHEET

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "GPS-1"

WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF
 NORTHING: 505719.7294(±) EASTING: 1557857.7541(±)
 ELEVATION: 582.67(±)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99987482

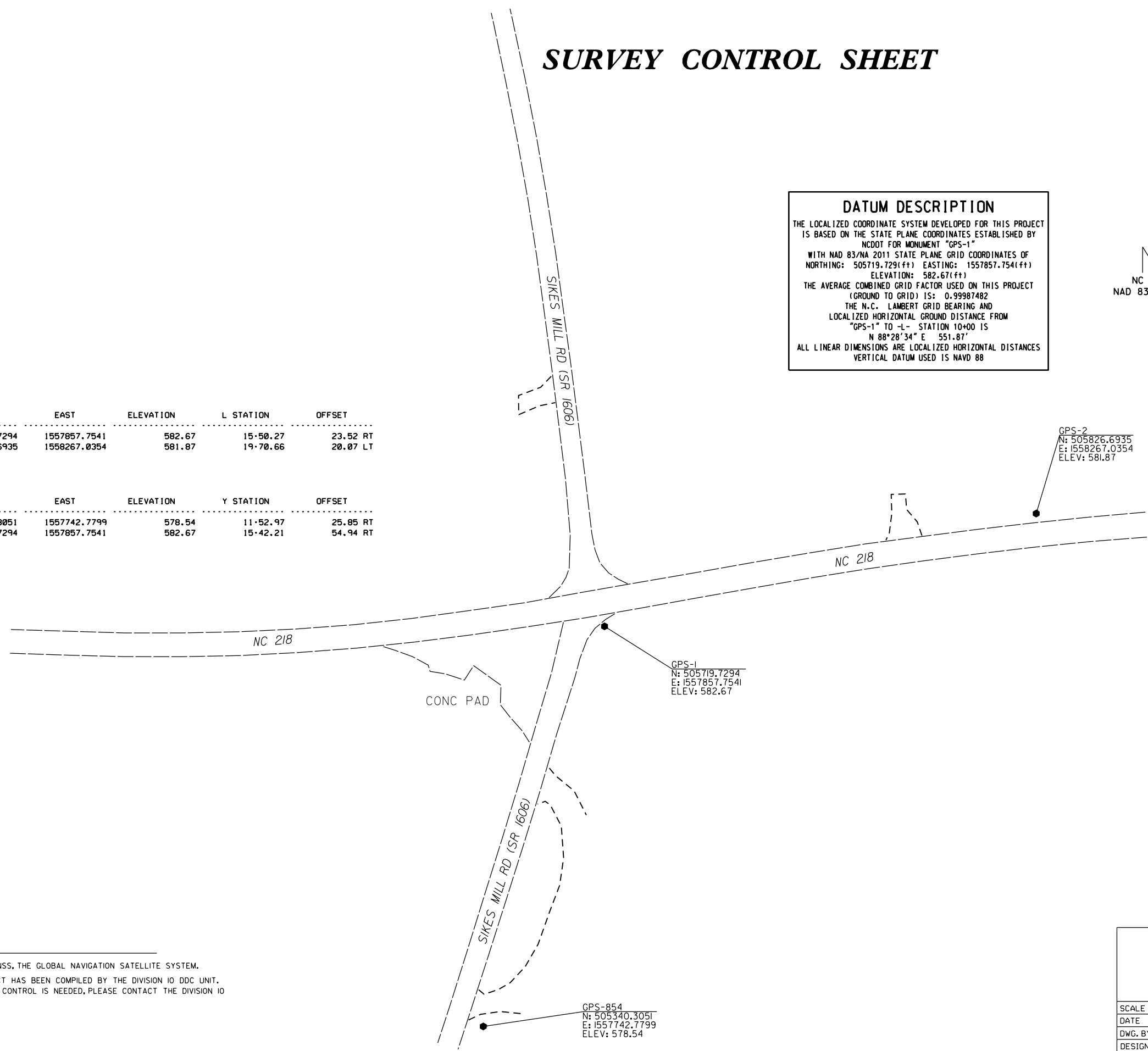
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "GPS-1" TO "L- STATION 10+00 IS
 N 88°28'34" E 551.87'

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



BL	POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
1		4017	505719.7294	1557857.7541	582.67	15+50.27	23.52 RT
2		4017	505826.6935	1558267.0354	581.87	19+70.66	20.07 LT

BL	POINT	DESC.	NORTH	EAST	ELEVATION	Y STATION	OFFSET
854		4017	505340.3051	1557742.7799	578.54	11+52.97	25.85 RT
1		4017	505719.7294	1557857.7541	582.67	15+42.21	54.94 RT



NOTES :

1. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
2. 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.

ROUNDABOUT AT THE INTERSECTION OF
NC 218 AND SIKES MILL RD.(SR-1606)

SCALE	1"=50'		REVISIONS
DATE	12-2020		
DWG. BY	JCB		
DESIGN BY	JCB		
APPROVED	JDH		

PROJECT NO.	SHEET NO.
44856.3.37	IC
F.A. PROJECT NO.	HSIP-0218(016)

RIGHT OF WAY, EASEMENT AND PROPOSED ALIGNMENT SHEET

L

TYPE	STATION	NORTH	EAST
POT	10+00.00	505503.4632	1521287.2378
PC	12+44.29	505260.2460	1521310.0940
PT	14+79.19	505038.6342	1521382.0760
POT	16+15.83	504921.0516	1521451.6700
PC	17+61.45	504809.3852	1521545.1310
PT	18+08.56	504773.9153	1521576.1335
POT	22+21.58	504468.0288	1521854.5412

Y

TYPE	STATION	NORTH	EAST
PC	10+00.00	504479.3526	1521105.2729
PCC	11+37.14	504569.0726	1521208.8793
PRC	13+70.10	504762.8797	1521334.7749
PT	14+60.31	504839.9294	1521380.7493
POT	15+68.07	504921.0516	1521451.6700
PC	17+07.79	504993.7534	1521570.9862
PRC	18+58.84	505084.0300	1521691.8190
PT	21+28.29	505263.9132	1521892.4250

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
L	13+74.00	-48.88	505765.7484	1557673.2161

ROW MARKER IRON PIN AND CAP-E

ALIGN	STATION	OFFSET	NORTH	EAST
Y	13+50.00	-29.64	505543.7111	1557747.6661
Y	14+32.00	-37.12	505621.8747	1557752.6553
Y	16+03.00	-90.08	505795.2219	1557719.2729
Y	16+60.69	-48.00	505848.8812	1557766.3820
Y	17+25.00	-40.00	505909.9452	1557779.3834
Y	18+00.00	-40.00	505978.4648	1557774.9600
Y	18+35.00	-30.39	506014.0658	1557780.0360

PERMANENT DRAINAGE EASEMENT

ALIGN	STATION	OFFSET	NORTH	EAST
L	16+84.00	77.00	505689.8617	1557998.6558
L	16+88.00	50.00	505717.1482	1557997.9877
L	17+00.00	-50.00	505817.7288	1557992.7398
L	17+02.00	-65.00	505832.8500	1557992.1497
L	17+05.00	80.00	505690.4908	1558019.8597
L	17+09.00	50.00	505720.7333	1558018.6794
L	17+21.00	-50.00	505821.3139	1558013.4316
L	17+23.00	-63.00	505834.4645	1558013.1829

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 21st day of OCT 2022

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

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.

ROUNDABOUT AT THE INTERSECTION OF
NC 218 AND SIKES MILL RD. (SR-1606)

SCALE	N/A	REVISIONS
DATE	12-2020	
DWG. BY	JCB	
DESIGN BY	JCB	
APPROVED	JDH	



PI Sta 17+42.39 -Y-
 $\Delta = 11^{\circ} 57' 42.4''$ (LT)
 D = 15' 26" 37.0"
 L = 77.45'
 T = 38.87'
 R = 371.00'

PI Sta 18+87.51 -Y-
 $\Delta = 3^{\circ} 25' 24.0''$ (LT)
 D = 1' 36" 25.8"
 L = 213.00'
 T = 106.53'
 R = 3,565.00'

PI Sta 20+55.78 -Y-
 $\Delta = 2^{\circ} 31' 43.5''$ (LT)
 D = 2' 02" 46.6"
 L = 123.58'
 T = 61.80'
 R = 2,800.00'

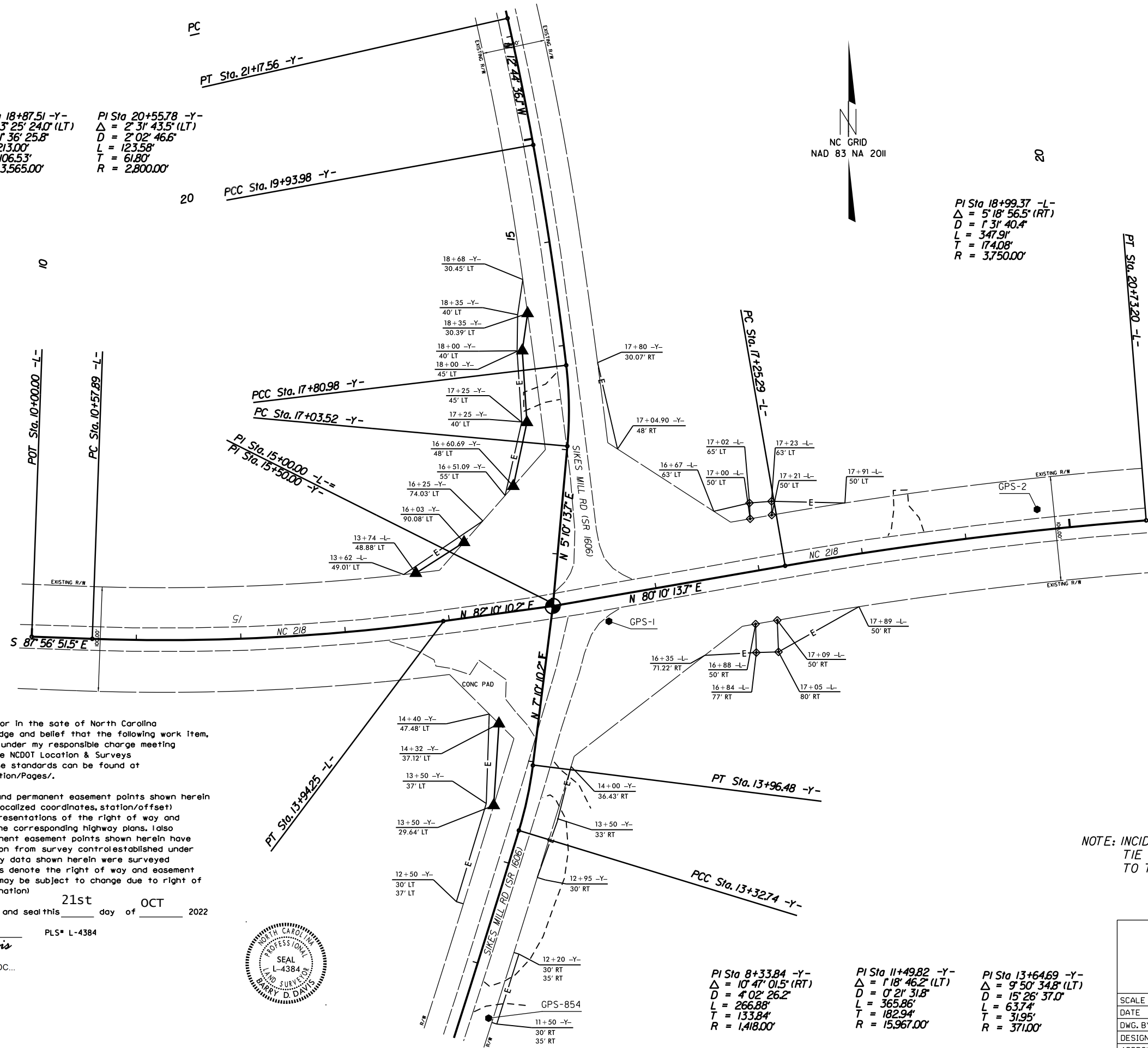
PI Sta 12+26.49 -L-
 $\Delta = 9^{\circ} 52' 58.3''$ (LT)
 D = 2' 56" 17.7"
 L = 336.35'
 T = 168.59'
 R = 1,950.00'

PI Sta 18+99.37 -L-
 $\Delta = 5^{\circ} 18' 56.5''$ (RT)
 D = 1' 31" 40.4"
 L = 347.91'
 T = 174.08'
 R = 3,750.00'

PI Sta 8+33.84 -Y-
 $\Delta = 10^{\circ} 47' 01.5''$ (RT)
 D = 4' 02" 26.2"
 L = 266.88'
 T = 133.84'
 R = 1,418.00'

PI Sta 11+49.82 -Y-
 $\Delta = 1^{\circ} 18' 46.2''$ (LT)
 D = 0' 21" 31.8"
 L = 365.86'
 T = 182.94'
 R = 15,967.00'

PI Sta 13+64.69 -Y-
 $\Delta = 9^{\circ} 50' 34.8''$ (LT)
 D = 15' 26" 37.0"
 L = 63.74'
 T = 31.95'
 R = 371.00'



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 21st day of OCT 2022

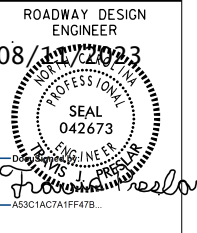
Barry D. Davis, Professional Land Surveyor
 DocuSigned by: Barry Davis
 L-4384
 0E2AAE4F48174DC...



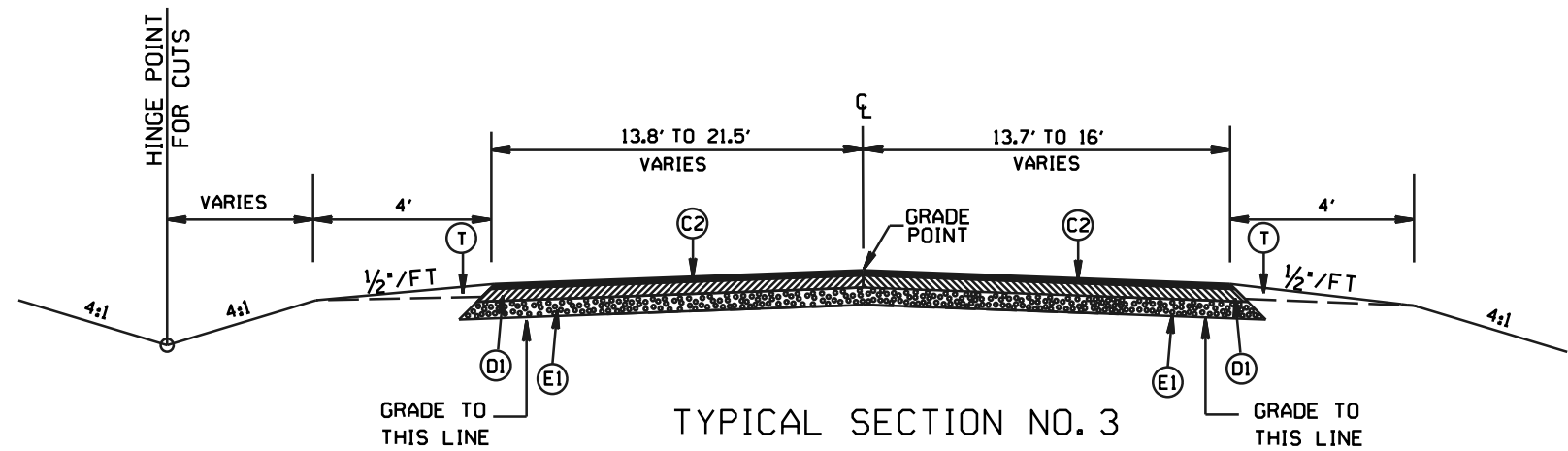
NOTE: INCIDENTAL MILL APPROX. 25' AT EACH TIE IN TO PROVIDE A SMOOTH TRANSITION TO THE EXISTING ASPHALT PAVEMENT.

ROUNDABOUT AT THE INTERSECTION OF NC 218 AND SIKES MILL RD. (SR-1606)

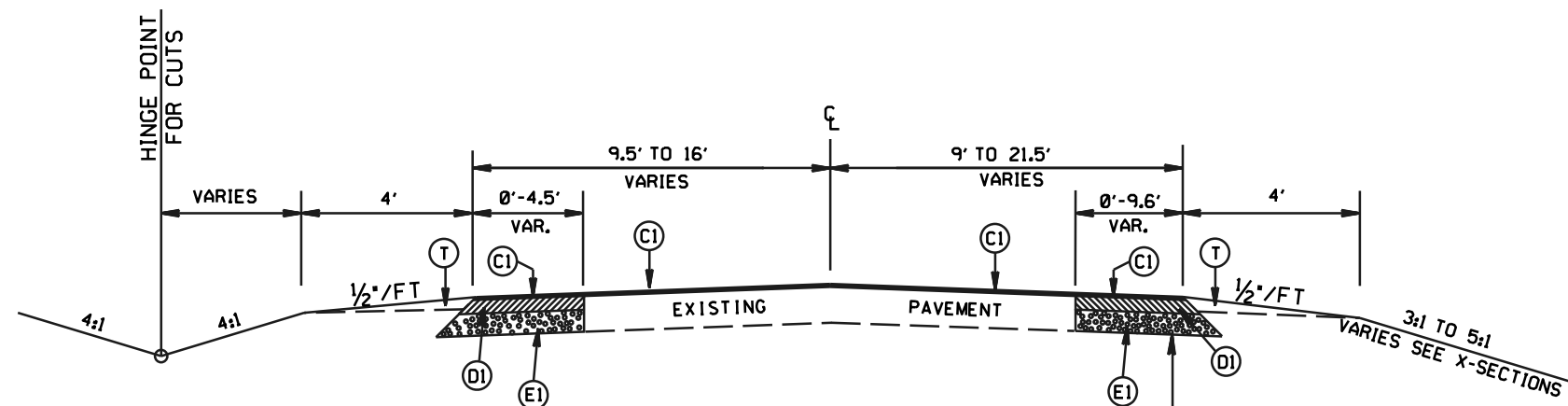
SCALE	1"=50'		REVISIONS
DATE	12-2020		
DWG. BY	JCB		
DESIGN BY	JCB		
APPROVED	JDH		



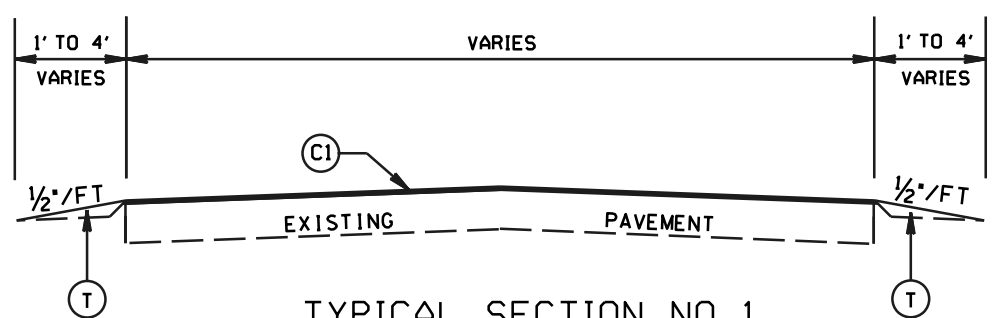
NOTES:
 -UTILIZE WELDED WIRE MESH (EITHER 4X4 W3.5XW3.5 OR 6X6 W5XW5) IN PROP. 12" TRUCK MOUNTABLE CONC. ISLAND (R5).
 -OVERLAP WELDED WIRE MESH PANELS 4".



TYPICAL SECTION NO. 3
 STA. 12+75.00 TO 13+41.53 -L-
 STA. 13+32.74 TO 13+96.48 -Y-
 STA. 17+03.52 TO 17+80.98 -Y-



TYPICAL SECTION NO. 2
 STA. 12+01.53 TO 12+75.00 -L-
 STA. 16+53.52 TO 17+93.52 -L-
 STA. 12+56.48 TO 13+32.74 -Y-
 STA. 17+80.98 TO 18+43.52 -Y-



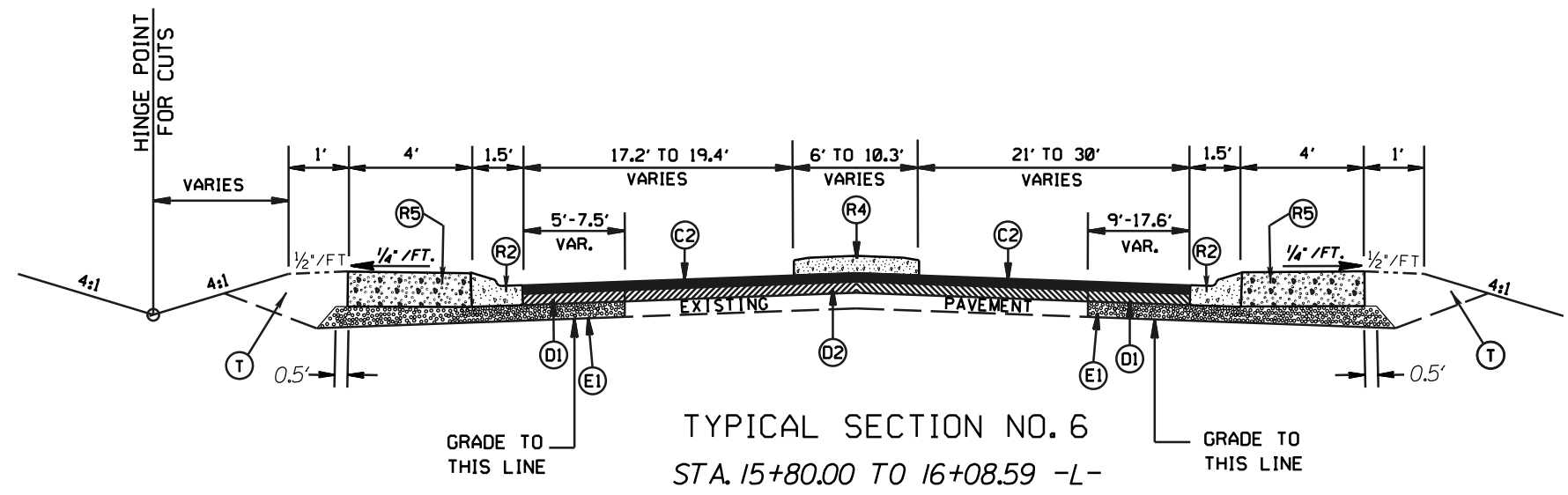
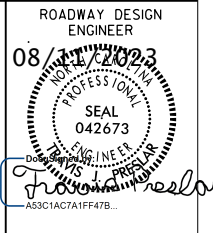
TYPICAL SECTION NO. 1
 STA. 11+76.53 TO 12+01.53 -L-
 STA. 17+93.52 TO 18+18.52 -L-
 STA. 12+31.48 TO 12+56.48 -Y-
 STA. 18+43.52 TO 18+68.52 -Y-

PAVEMENT SCHEDULE

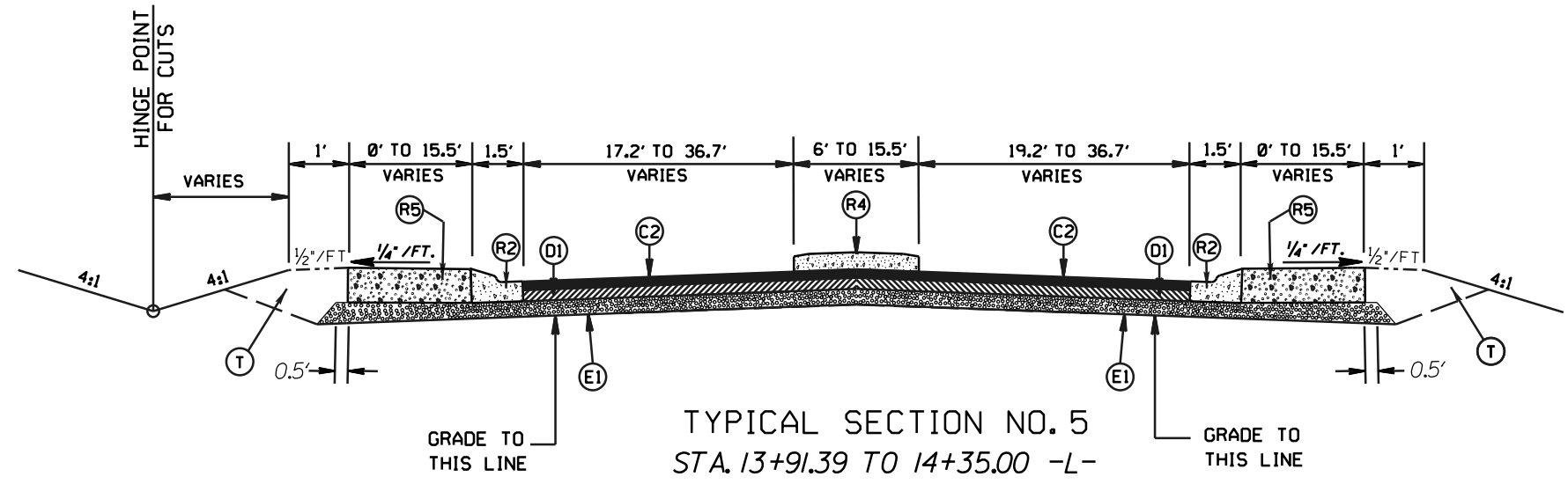
(C1)	PROP. APPROX. 1 1/2" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 3" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
(D1)	PROP. APPROX. 4" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
(D2)	PROP. VARIABLE DEPTH ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C.
(E1)	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(R1)	PROP. 8" X 18" CONC. CURB
(R2)	PROP. 1'-6" CONC. CURB & GUTTER, CLASS AA CONCRETE
(R3)	PROP. 12" TRUCK MOUNTABLE CONC. ISLAND, CLASS AA CONCRETE
(R4)	PROP. 5" MONOLITHIC CONC. ISLAND (SURFACE MOUNTED)
(R5)	PROP. 12" TRUCK MOUNTABLE CONC. ISLAND W/ BLACK TINT, CLASS AA CONCRETE
(T)	EARTH MATERIAL
(V1)	MILLING ASPHALT PAVEMENT, 1.5' IN DEPTH

ROUNDABOUT AT THE INTERSECTION OF
 NC 218 AND SIKES MILL RD. (SR-1606)

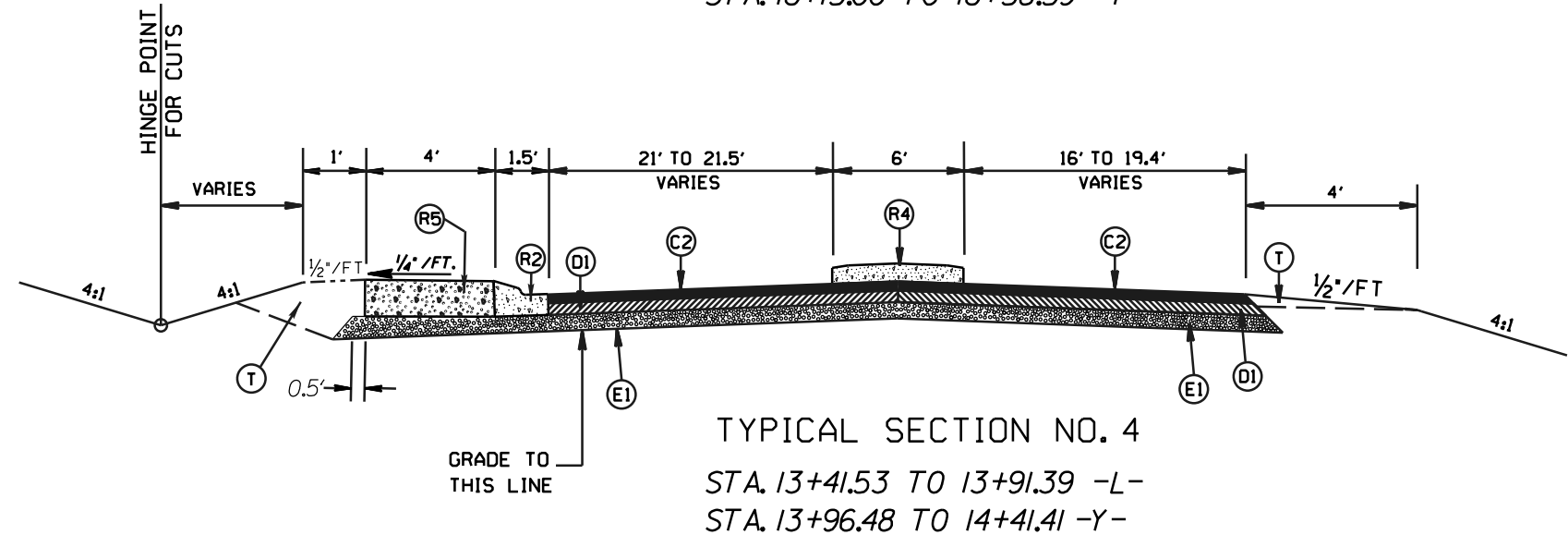
SCALE	N/A		REVISIONS
DATE	1-2021		
DWG. BY	JCB		
DESIGN BY	JCB		
APPROVED	JDH		



TYPICAL SECTION NO. 6
STA. 15+80.00 TO 16+08.59 -L-



TYPICAL SECTION NO. 5
STA. 13+91.39 TO 14+35.00 -L-
STA. 15+65.00 TO 15+80.00 -L-
STA. 14+41.41 TO 14+85.00 -Y-
STA. 16+15.00 TO 16+58.59 -Y-



TYPICAL SECTION NO. 4
STA. 13+41.53 TO 13+91.39 -L-
STA. 13+96.48 TO 14+41.41 -Y-

NOTES:
-UTILIZE WELDED WIRE MESH (EITHER 4X4 W3.5XW3.5 OR 6X6 W5XW5) IN PROP. 12" TRUCK MOUNTABLE CONC. ISLAND (R5).
-OVERLAP WELDED WIRE MESH PANELS 4".

PAVEMENT SCHEDULE

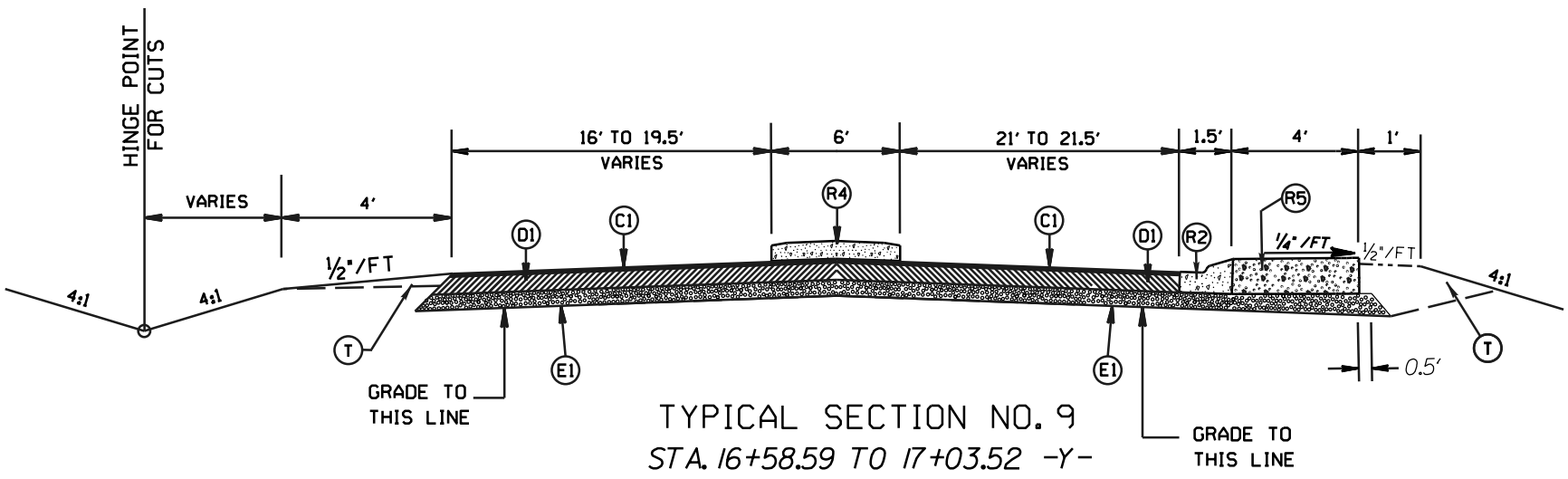
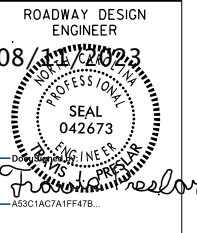
(C1)	PROP. APPROX. 1/2" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 3" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
(D1)	PROP. APPROX. 4" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
(D2)	PROP. VARIABLE DEPTH ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C.
(E1)	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(R1)	PROP. 8" X 18" CONC. CURB
(R2)	PROP. 1'-6" CONC. CURB & GUTTER, CLASS AA CONCRETE
(R3)	PROP. 12" TRUCK MOUNTABLE CONC. ISLAND, CLASS AA CONCRETE
(R4)	PROP. 5" MONOLITHIC CONC. ISLAND (SURFACE MOUNTED)
(R5)	PROP. 12" TRUCK MOUNTABLE CONC. ISLAND W/ BLACK TINT, CLASS AA CONCRETE
(T)	EARTH MATERIAL
(V1)	MILLING ASPHALT PAVEMENT, 1.5" IN DEPTH

ROUNDABOUT AT THE INTERSECTION OF
NC 218 AND SIKES MILL RD. (SR-1606)

SCALE	N/A
DATE	1-2021
DWG. BY	JCB
DESIGN BY	JCB
APPROVED	JDH



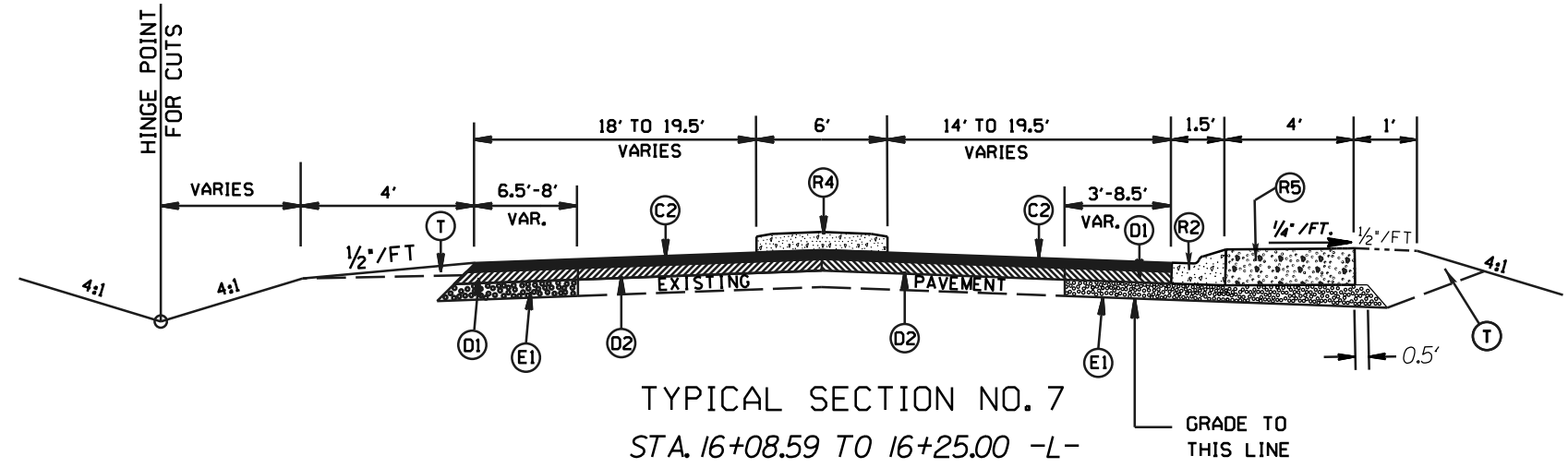
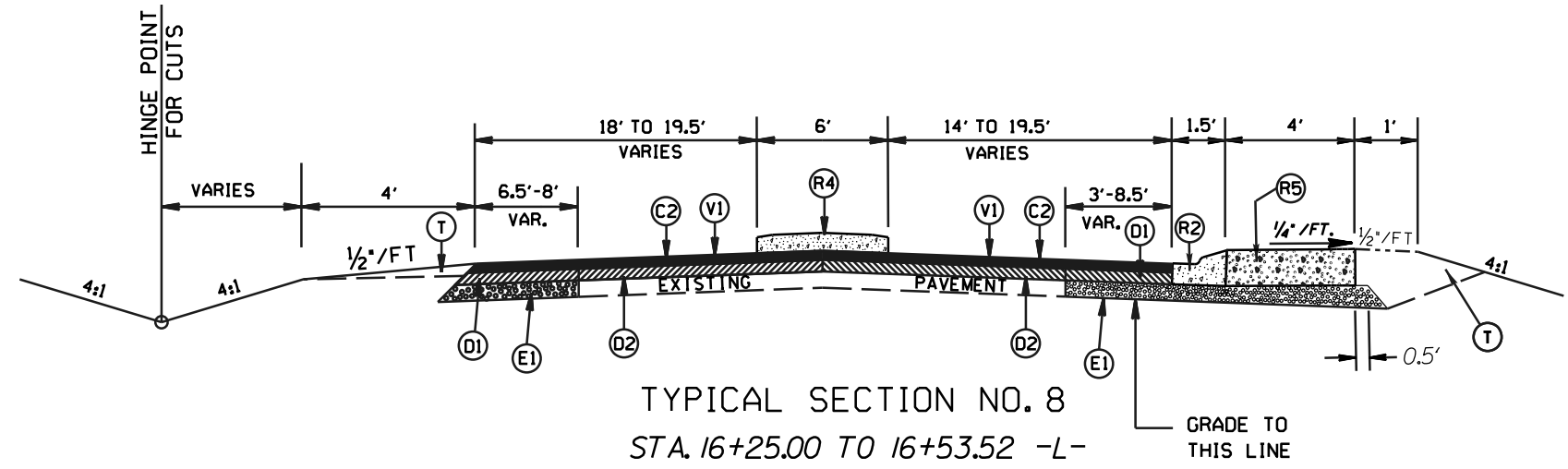
REVISIONS



NOTES:
 -UTILIZE WELDED WIRE MESH (EITHER 4X4 W3.5XW3.5 OR 6X6 W5XW5) IN PROP. 12" TRUCK MOUNTABLE CONC. ISLAND (R5).
 -OVERLAP WELDED WIRE MESH PANELS 4".

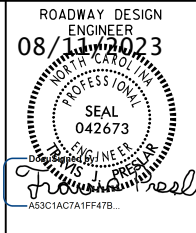
PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1 1/2" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 3" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, 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, TYPE I19.0C.
(E1)	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(R1)	PROP. 8" X 18" CONC. CURB
(R2)	PROP. 1'-6" CONC. CURB & GUTTER, CLASS AA CONCRETE
(R3)	PROP. 12" TRUCK MOUNTABLE CONC. ISLAND, CLASS AA CONCRETE
(R4)	PROP. 5" MONOLITHIC CONC. ISLAND (SURFACE MOUNTED)
(R5)	PROP. 12" TRUCK MOUNTABLE CONC. ISLAND W/ BLACK TINT, CLASS AA CONCRETE
(T)	EARTH MATERIAL
(V1)	MILLING ASPHALT PAVEMENT, 1.5" IN DEPTH



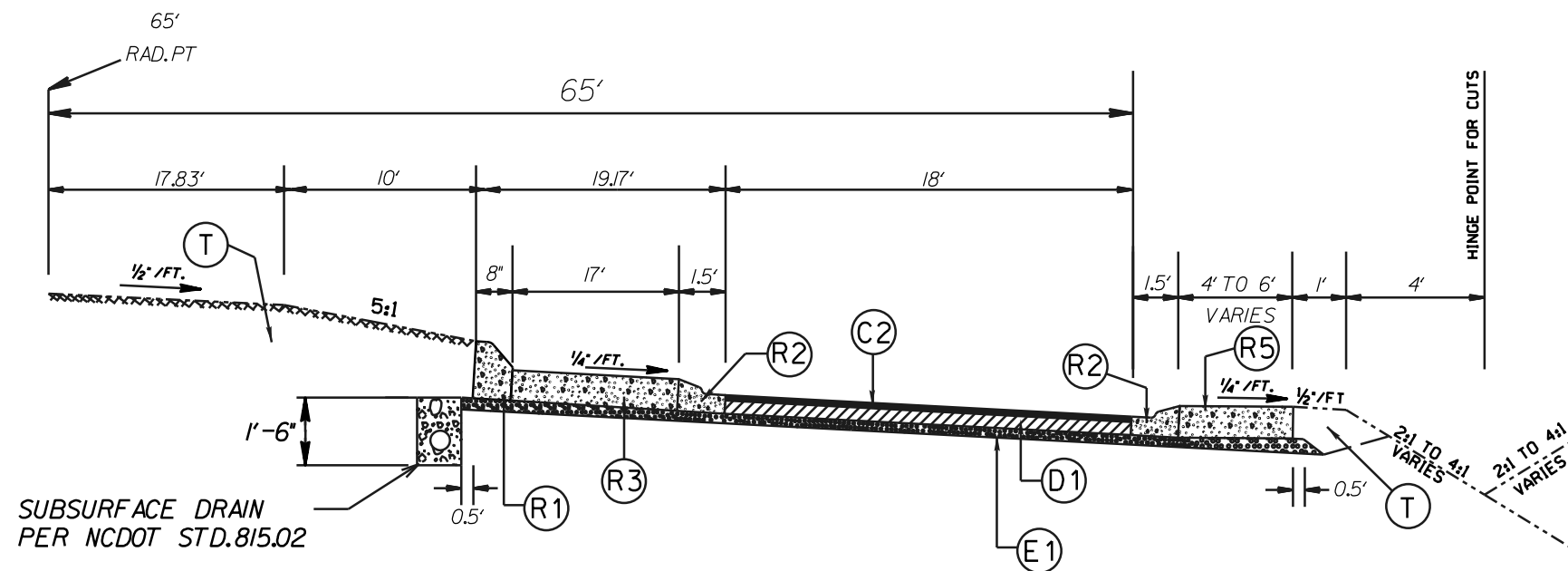
**ROUNDBOUT AT THE INTERSECTION OF
NC 218 AND SIKES MILL RD. (SR-1606)**

SCALE	N/A		REVISIONS
DATE	1-2021		
DWG. BY	JCB		
DESIGN BY	JCB		
APPROVED	JDH		



NOTES:
 -UTILIZE WELDED WIRE MESH (EITHER 4X4 W3.5XW3.5 OR 6X6 W5XW5)
 IN PROP. 7" TRUCK MOUNTABLE CONC. ISLAND (R5,R6).
 -OVERLAP WELDED WIRE MESH PANELS 4".

NOTES:
 -UTILIZE WELDED WIRE MESH (EITHER 4X4 W3.5XW3.5 OR 6X6 W5XW5)
 IN PROP. 12" TRUCK MOUNTABLE CONC. ISLAND (R5).
 -OVERLAP WELDED WIRE MESH PANELS 4".



SUBSURFACE DRAIN
 PER NCDOT STD.815.02

ROUNDABOUT
 STA. 14+35.00 TO 15+65.00 -L-
 STA. 14+85.00 TO 16+15.00 -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.
(C2)	PROP. APPROX. 3" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, 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, TYPE I19.0C.
(E1)	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(R1)	PROP. 8" X 18" CONC. CURB
(R2)	PROP. 1'-6" CONC. CURB & GUTTER, CLASS AA CONCRETE
(R3)	PROP. 12" TRUCK MOUNTABLE CONC. ISLAND, CLASS AA CONCRETE
(R4)	PROP. 5" MONOLITHIC CONC. ISLAND (SURFACE MOUNTED)
(R5)	PROP. 12" TRUCK MOUNTABLE CONC. ISLAND W/ BLACK TINT, CLASS AA CONCRETE
(T)	EARTH MATERIAL
(V1)	MILLING ASPHALT PAVEMENT, 1.5" IN DEPTH

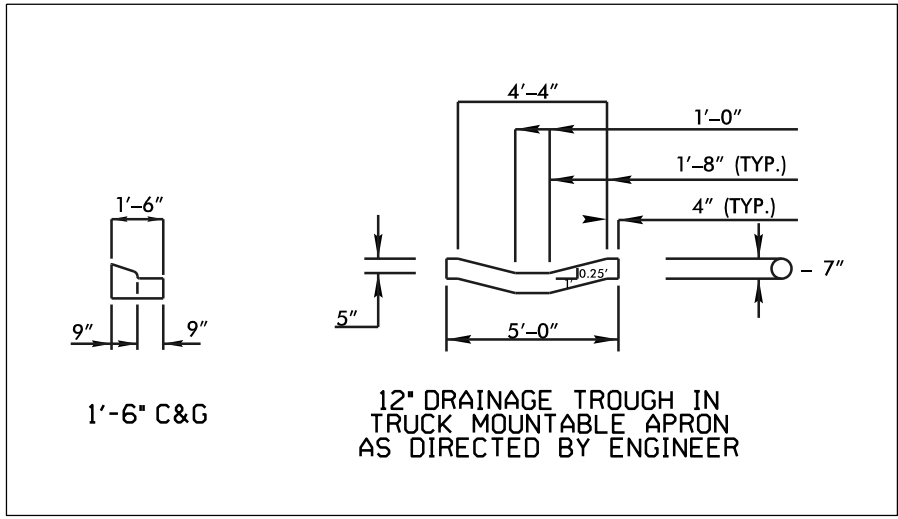
ROUNDABOUT AT THE INTERSECTION OF
 NC 218 AND SIKES MILL RD. (SR-1606)

SCALE	N/A
DATE	1-2021
DWG. BY	JCB
DESIGN BY	JCB
APPROVED	JDH

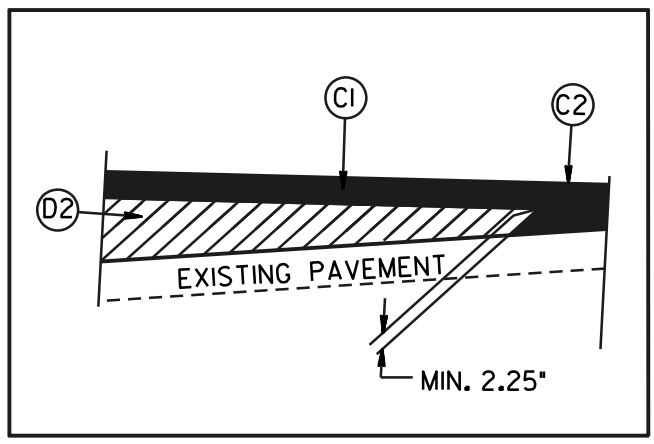


REVISIONS

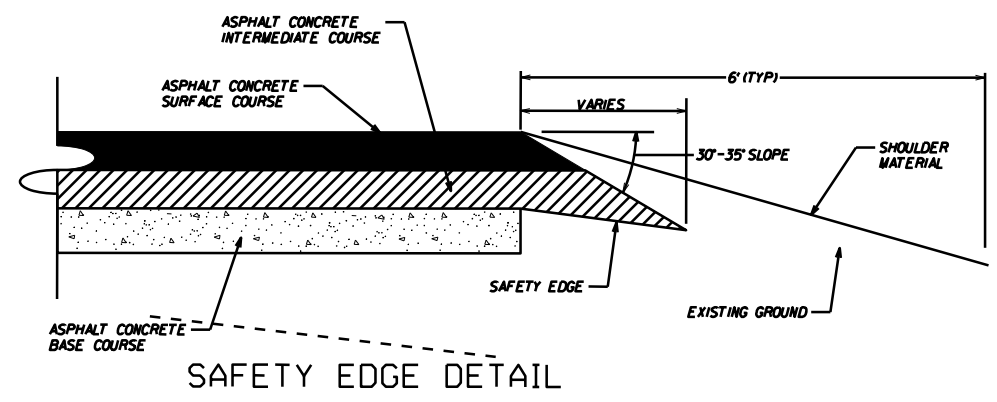
ROADWAY DESIGN ENGINEER
 08/11/2019
 SEAL 042673
 J. D. HARRIS
 PROFESSIONAL ENGINEER
 STATE OF NORTH CAROLINA
 ASSOCIATION 1147418



DRAINAGE TROUGH DETAIL

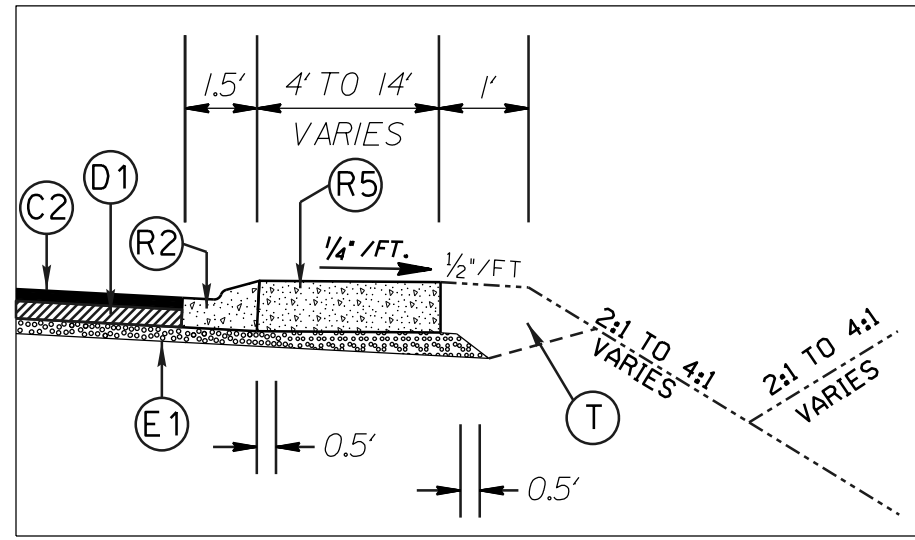


WEDGING DETAIL

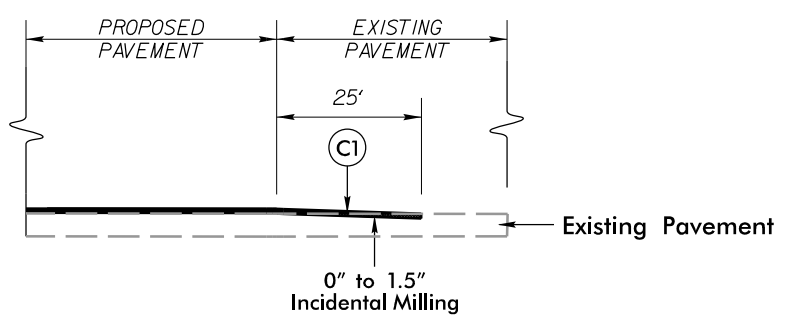


PAVEMENT SCHEDULE

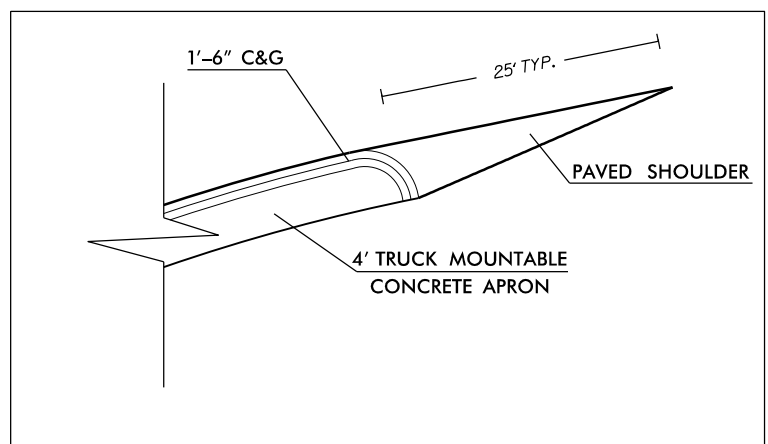
(C1)	PROP. APPROX. 1½" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 3" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
(D1)	PROP. APPROX. 4" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
(D2)	PROP. VARIABLE DEPTH ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C.
(E1)	PROP. APPROX. 5" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(R1)	PROP. 8" X 18" CONC. CURB
(R2)	PROP. 1'-6" CONC. CURB & GUTTER, CLASS AA CONCRETE
(R3)	PROP. 12" TRUCK MOUNTABLE CONC. ISLAND, CLASS AA CONCRETE
(R4)	PROP. 5" MONOLITHIC CONC. ISLAND (SURFACE MOUNTED)
(R5)	PROP. 12" TRUCK MOUNTABLE CONC. ISLAND W/ BLACK TINT, CLASS AA CONCRETE
(T)	EARTH MATERIAL
(V1)	MILLING ASPHALT PAVEMENT, 1.5" IN DEPTH



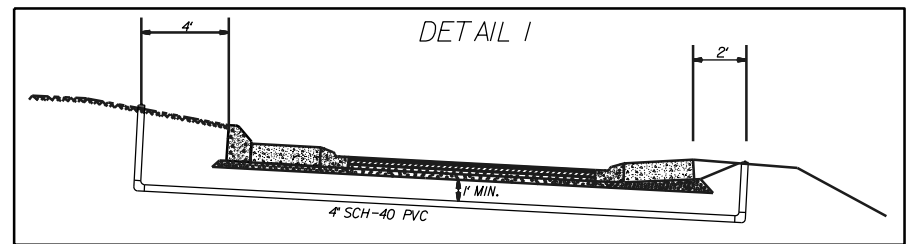
APRON DETAIL



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



CURB DETAIL



PVC PIPE DETAIL

NOTES:
 -UTILIZE WELDED WIRE MESH (EITHER 4X4 W3.5XW3.5 OR 6X6 W5XW5) IN PROP. 12" TRUCK MOUNTABLE CONC. ISLAND (R5).
 -OVERLAP WELDED WIRE MESH PANELS 4".

ROUNDABOUT AT THE INTERSECTION OF
 NC 218 AND SIKES MILL RD. (SR-1606)

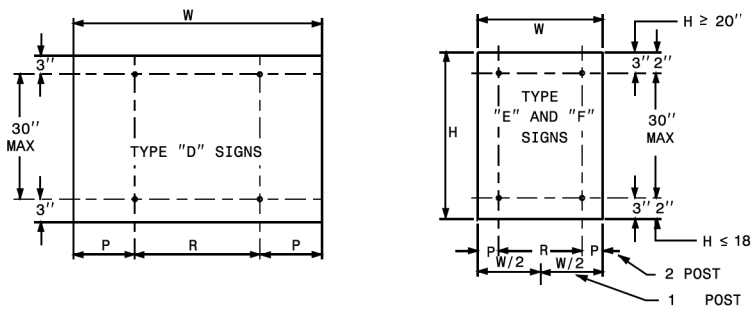
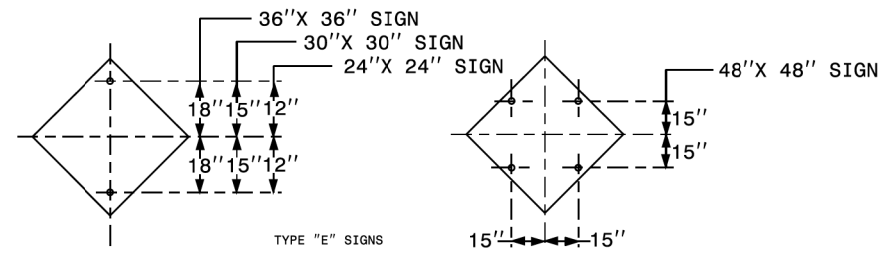
SCALE	N/A		REVISIONS
DATE	3-2019		
DWG. BY	JCB		
DESIGN BY	JDH		
APPROVED	JDH		

ROADWAY DESIGN
ENGINEER
08/11/2023
PROFESSIONAL
SEAL
034357
MICHAEL J. HARRIS
ASSOCIATE ENGINEER

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

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

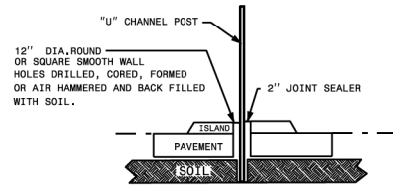
SHEET 2 OF 2
904.50



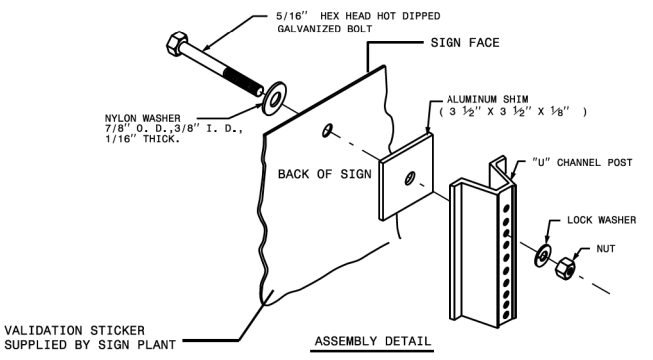
	NO. SUPPORTS		
	2	3 *	4
P	.207W	.145W	.107W
R	.586W	.355W	.262W

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

HOLE PUNCHING DETAIL



DETAIL FOR INSTALLATION OF CHANNEL POST IN CONCRETE



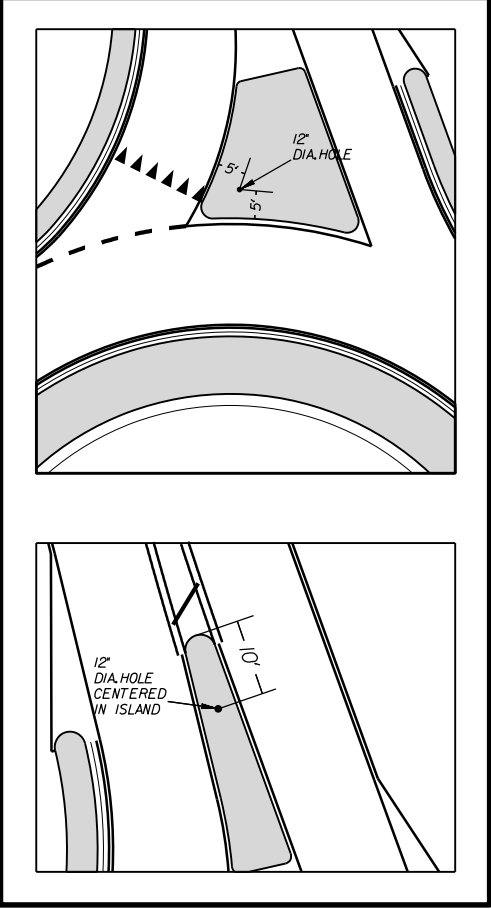
ASSEMBLY DETAIL

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

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

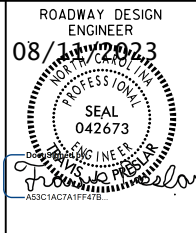


ROUNDABOUT AT THE INTERSECTION OF
NC 218 AND SIKES MILL RD. (SR-1606)

SCALE	N/A
DATE	9-2022
DWG. BY	JCB
DESIGN BY	JCB
APPROVED	JDH



REVISIONS	



JATANA GAIL HILDRETH
DB 7939 PG 176
PC P PG 541
LOT 5

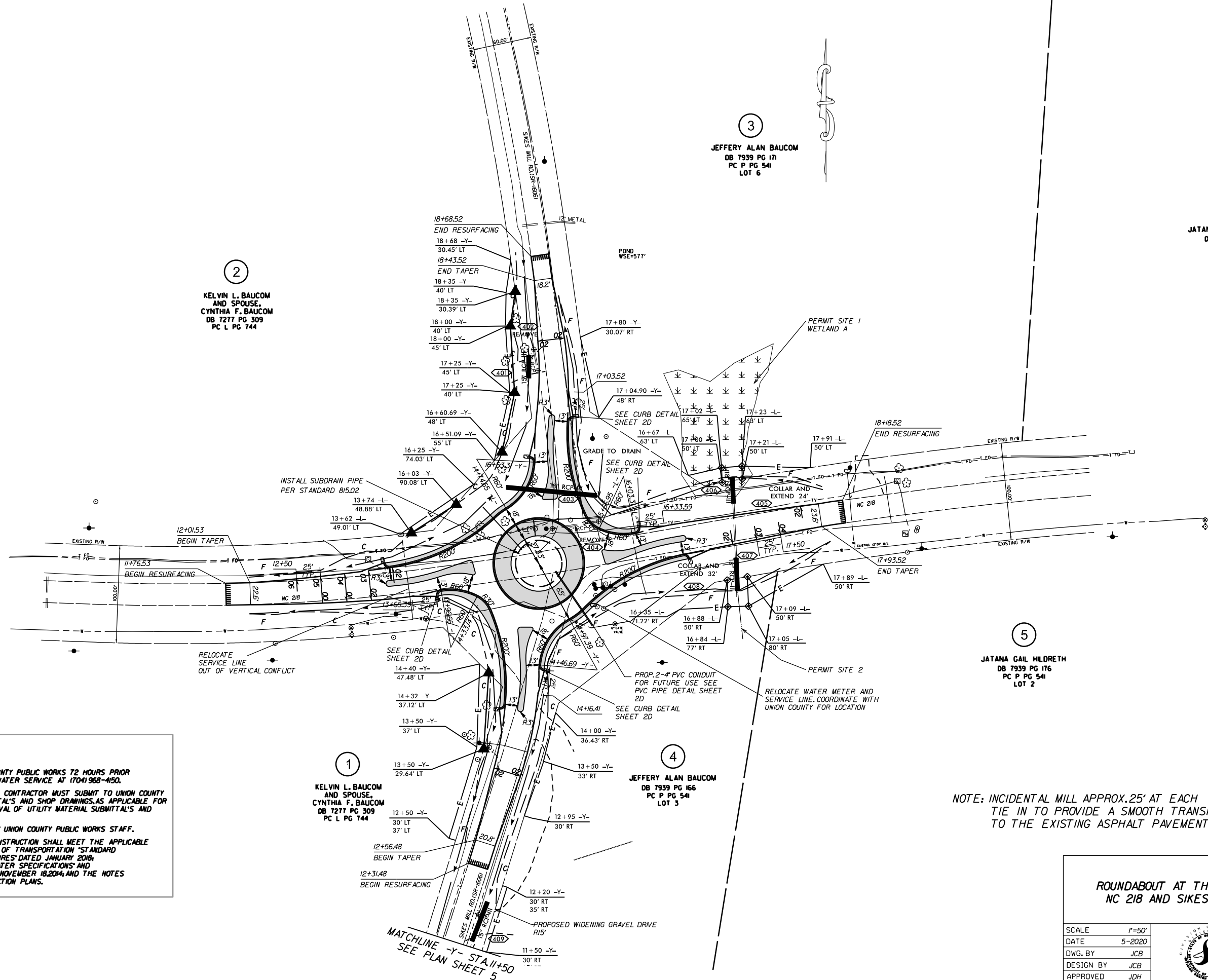
2
KELVIN L. BAUCOM
AND SPOUSE,
CYNTHIA F. BAUCOM
DB 7277 PG 309
PC L PG 744

3
JEFFERY ALAN BAUCOM
DB 7939 PG 171
PC P PG 541
LOT 6

5
JATANA GAIL HILDRETH
DB 7939 PG 176
PC P PG 541
LOT 2

4
JEFFERY ALAN BAUCOM
DB 7939 PG 166
PC P PG 541
LOT 3

1
KELVIN L. BAUCOM
AND SPOUSE,
CYNTHIA F. BAUCOM
DB 7277 PG 309
PC L PG 744



GENERAL NOTES:

- CONTACT MICHAEL CALDWELL OF UNION COUNTY PUBLIC WORKS 72 HOURS PRIOR TO BEGINNING WORK ON THIS PROPOSED WATER SERVICE AT (704) 968-4150.
- PRIOR TO WATER LINE CONSTRUCTION, THE CONTRACTOR MUST SUBMIT TO UNION COUNTY THE PROPOSED UTILITY MATERIAL SUBMITTALS AND SHOP DRAWINGS, AS APPLICABLE FOR REVIEW AND OBTAIN UNION COUNTY APPROVAL OF UTILITY MATERIAL SUBMITTALS AND SHOP DRAWINGS.
- WATER VALVES ARE TO BE OPERATED BY UNION COUNTY PUBLIC WORKS STAFF.
- THE PROPOSED WATER SERVICE LINE CONSTRUCTION SHALL MEET THE APPLICABLE REQUIREMENTS OF THE NC DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2018; UNION COUNTY'S "SANITARY SEWER AND WATER SPECIFICATIONS" AND "STANDARD DETAILS" - REVISION #6 DATED NOVEMBER 18, 2014; AND THE NOTES AND DETAILS PROVIDED IN THE CONSTRUCTION PLANS.

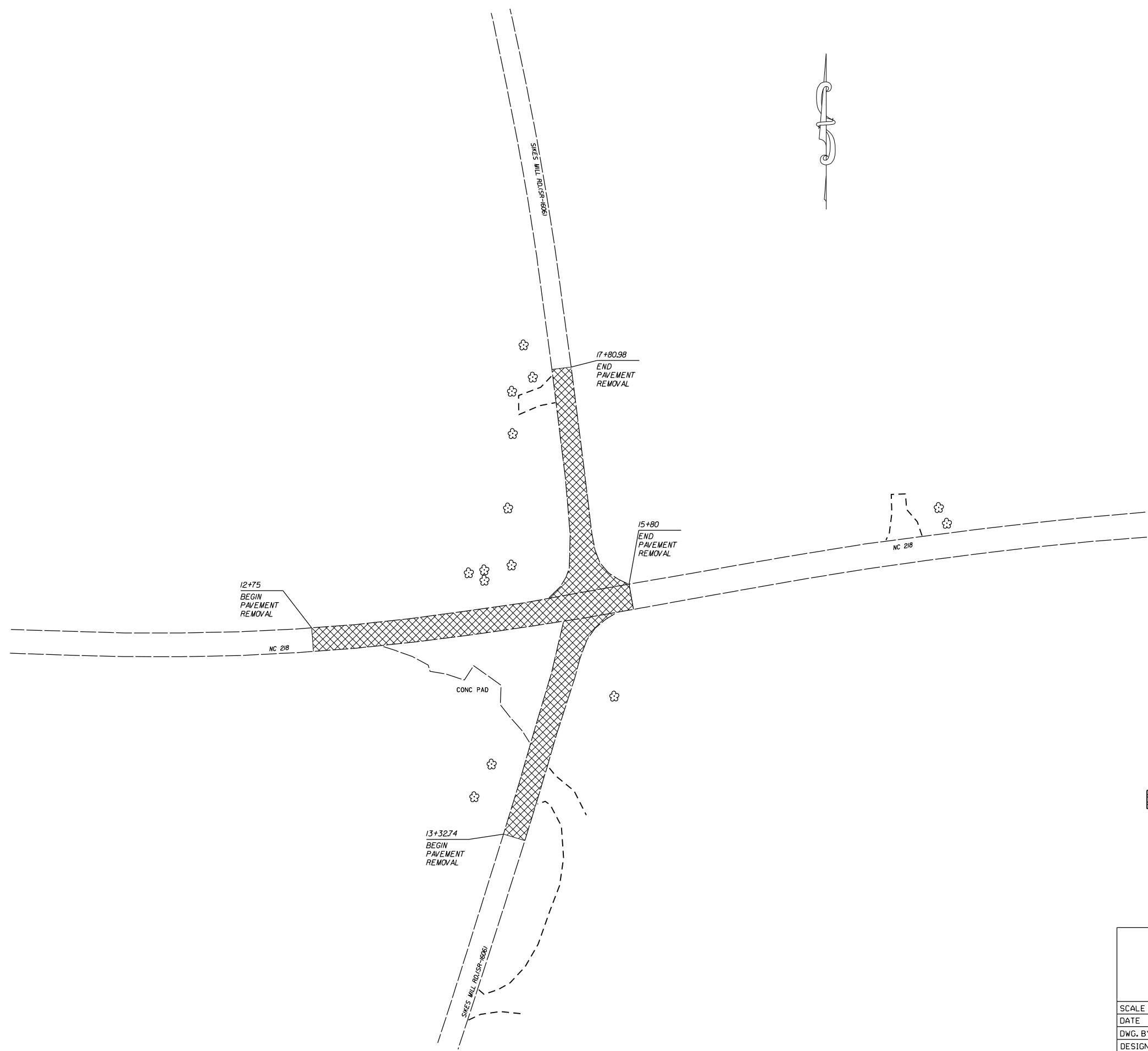
NOTE: INCIDENTAL MILL APPROX. 25' AT EACH TIE IN TO PROVIDE A SMOOTH TRANSITION TO THE EXISTING ASPHALT PAVEMENT.

ROUNDABOUT AT THE INTERSECTION OF
NC 218 AND SIKES MILL RD. (SR-1606)

SCALE	1"=50'		REVISIONS
DATE	5-2020		
DWG. BY	JCB		
DESIGN BY	JCB		
APPROVED	JDH		

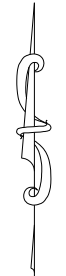
PROJECT NO.	SHEET NO.
44856.3.37	4A
F.A. PROJECT NO.	HSP-0218(016)

ROADWAY DESIGN
ENGINEER
08/11/2023
PROFESSIONAL
SEAL
042673
JAMES J. PRESLER
ASSOCIATE 1FF47B



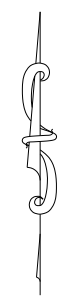
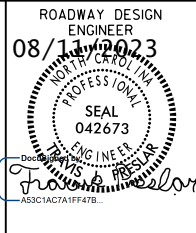
 PAVEMENT REMOVAL

ROUNDABOUT AT THE INTERSECTION OF
NC 218 AND SIKES MILL RD.(SR-1606)

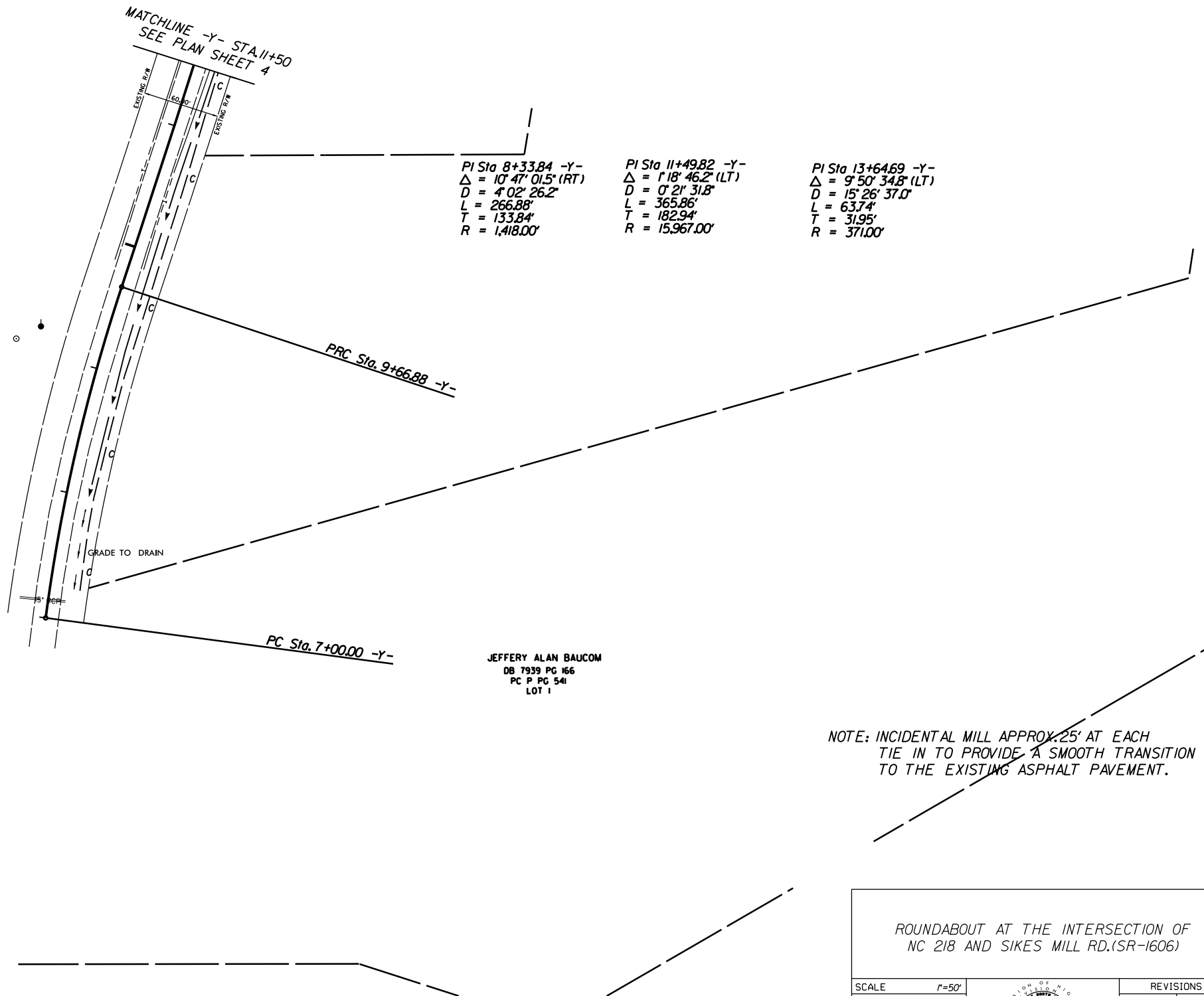
SCALE	r=50'		REVISIONS
DATE	8-2023		
DWG. BY	JCB		
DESIGN BY	JCB		
APPROVED	JDH		



PROJECT NO.	SHEET NO.
44856.3.37	5
F.A. PROJECT NO. HSP-0218(016)	



10



PI Sta 8+33.84 -Y-
 $\Delta = 10^{\circ} 47' 01.5''$ (RT)
 $D = 4^{\circ} 02' 26.2''$
 $L = 266.88'$
 $T = 133.84'$
 $R = 1,418.00'$

PI Sta 11+49.82 -Y-
 $\Delta = 1^{\circ} 18' 46.2''$ (LT)
 $D = 0^{\circ} 21' 31.8''$
 $L = 365.86'$
 $T = 182.94'$
 $R = 15,967.00'$

PI Sta 13+64.69 -Y-
 $\Delta = 9^{\circ} 50' 34.8''$ (LT)
 $D = 15^{\circ} 26' 37.0''$
 $L = 63.74'$
 $T = 31.95'$
 $R = 371.00'$

JEFFERY ALAN BAUCOM
 DB 7939 PG 166
 PC P PG 541
 LOT 1

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

ROUNDBOUT AT THE INTERSECTION OF
 NC 218 AND SIKES MILL RD. (SR-1606)

SCALE	1"=50'
DATE	5-2020
DWG. BY	JCB
DESIGN BY	JCB
APPROVED	JDH



REVISIONS	

5/14/99

PROJECT REFERENCE NO. SHEET NO.

44856.3.37 6

ROADWAY DESIGN ENGINEER

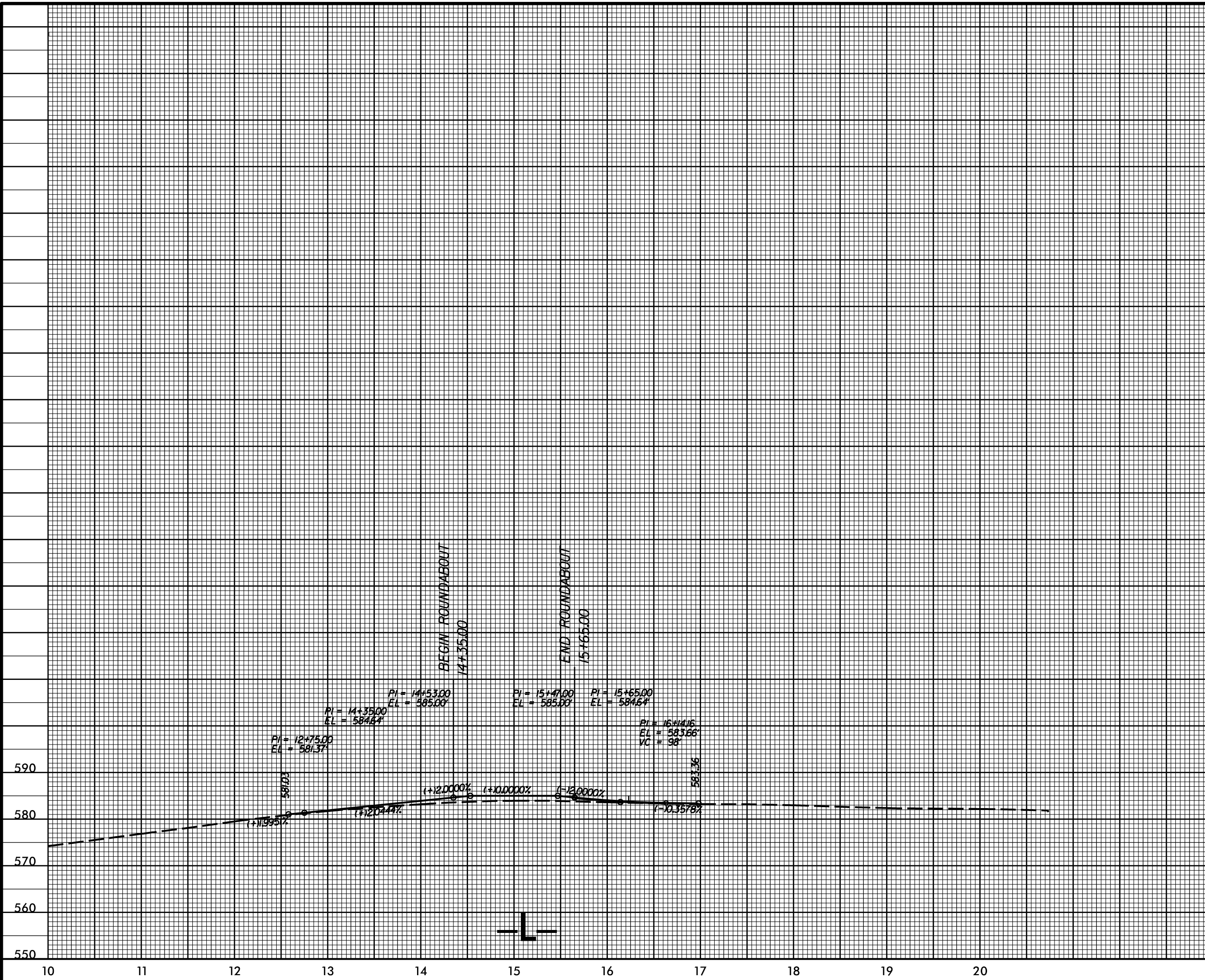
HYDRAULICS ENGINEER

08/14/2023



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

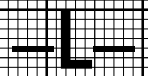
30-MAR-2023 14:22 S:\DC\CD\Y\Union\W-5710A1.NC 218-Sikes Mill\FAB\p1\W-5710A1.NC 218-Sikes Mill.unl_.pfl - L.dgn



590
580
570
560
550

10 11 12 13 14 15 16 17 18 19 20

PI = 12+75.00
 EL = 581.37
 581.93
 (+)1.9951%
 (+)2.0444%
 PI = 14+35.00
 EL = 584.67
 PI = 14+53.00
 EL = 585.00
 BEGIN ROUNDABOUT
 14+35.00
 (+)2.0000%
 (+)0.0000%
 PI = 15+47.00
 EL = 585.00
 END ROUNDABOUT
 15+65.00
 (-)2.0000%
 (-)0.3578%
 PI = 15+65.00
 EL = 584.67
 PI = 16+14.16
 EL = 583.66
 VC = 98'
 583.36

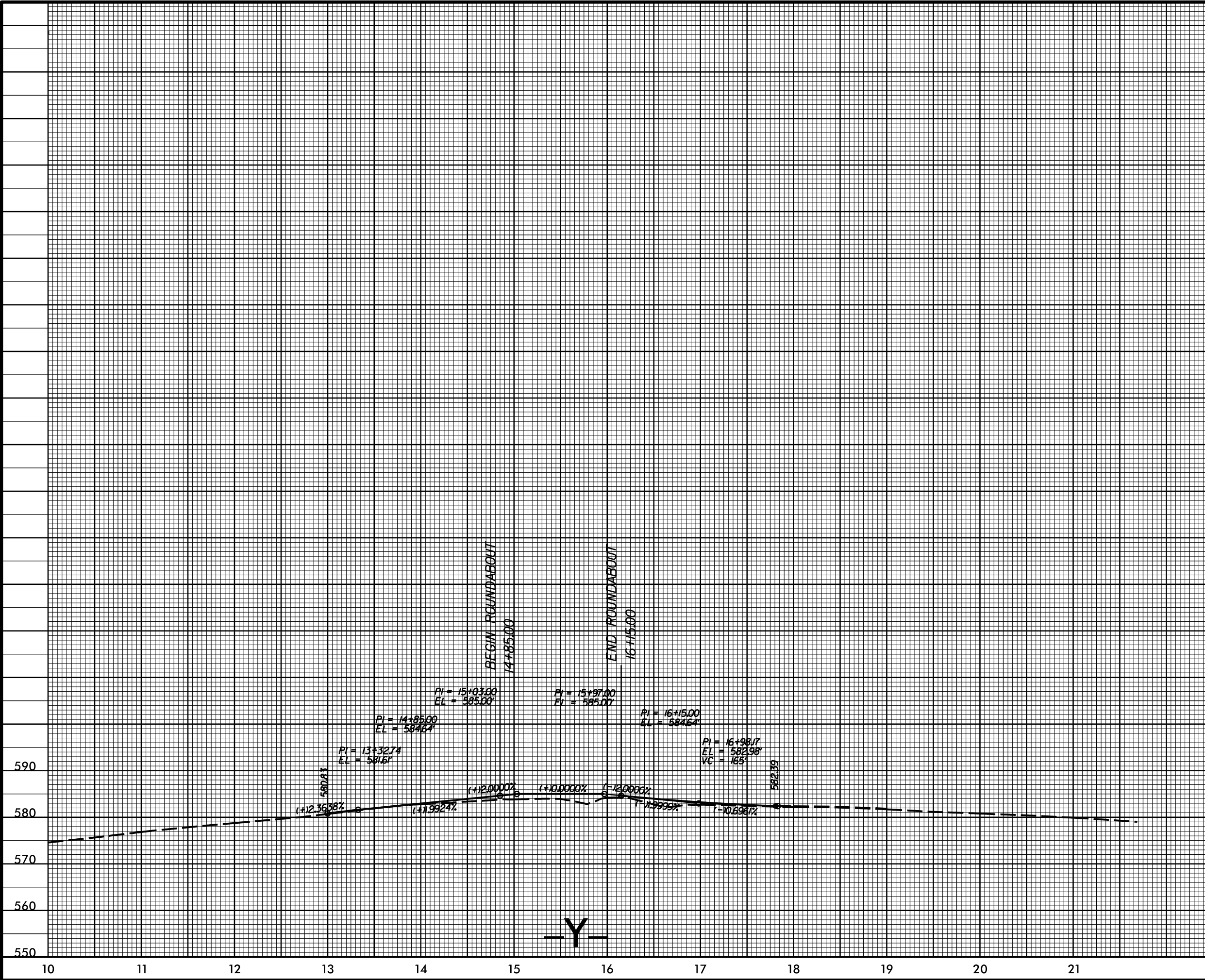


5/14/99

30-MAR-2023 14:23 S:\DC\JOY\Union\W-5710A1.NC 218_Sikes Mill\FAB\p1\W-5710A1.NC 218_Sikes Mill.unl.pfl - Y.dgn

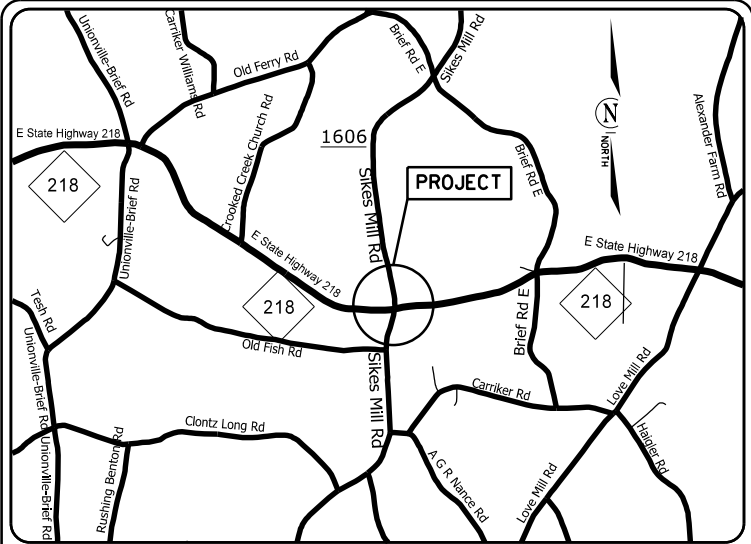
PROJECT REFERENCE NO. 44856.3.37	SHEET NO. 7
ROADWAY DESIGN ENGINEER 08/11/2023 SEAL 042673 Professional Engineer North Carolina Assoc. of Professional Engineers	HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



—Y—

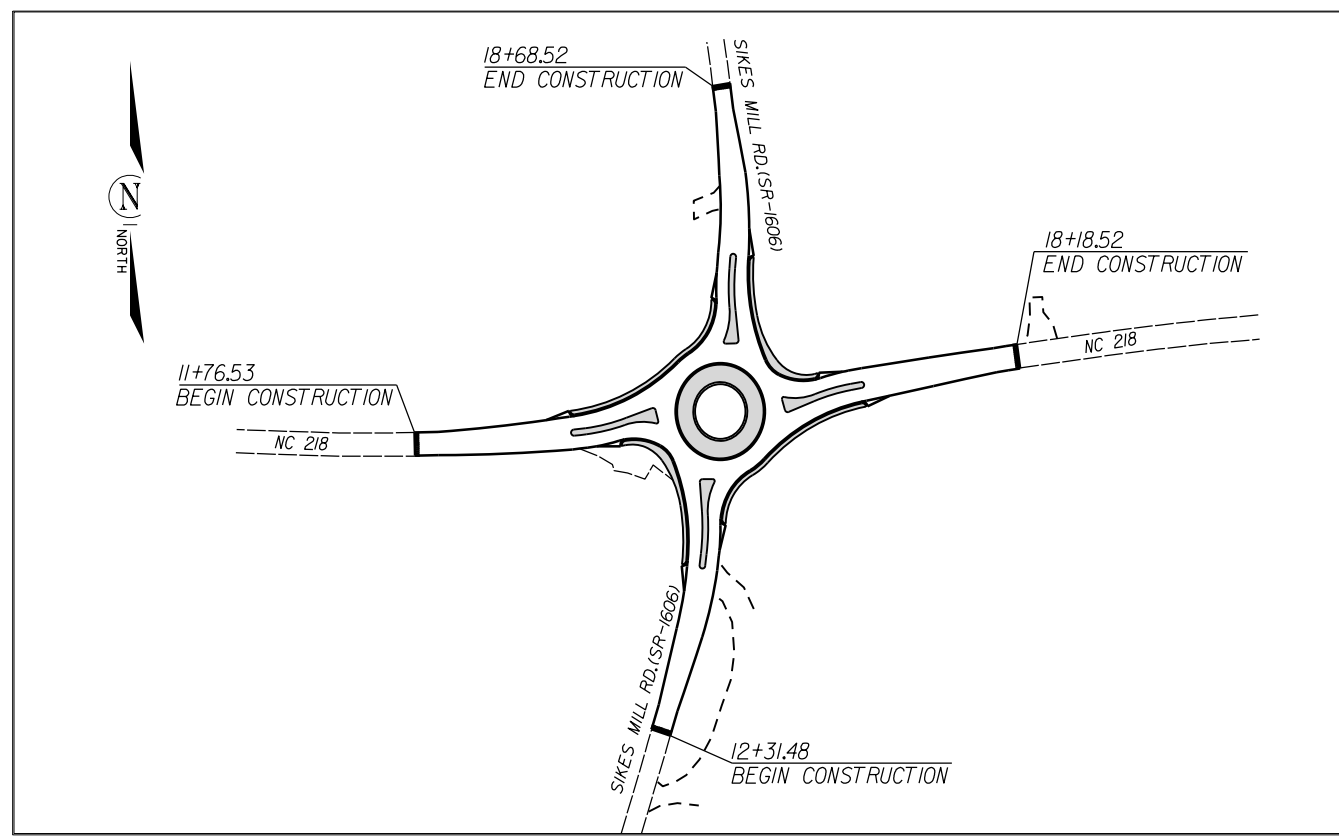
TIP PROJECT: W-5710AI



VICINITY MAP
NOT TO SCALE

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL
UNION COUNTY

LOCATION: INTERSECTION OF NC 218 AND SIKES MILL RD (SR-1606)



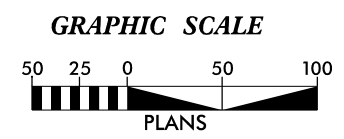
INSTALL PERIMETER EROSION CONTROL MEASURES DURING INITIAL CLEARING PHASE

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5710AI	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44856.1.37	HSIP-0218(016)	P.E.	
44856.2.37	HSIP-0218(016)	R/W	
44856.3.37	HSIP-0218(016)	CONST.	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	III III III
1606.01	Special Sediment Control Fence	III III III
1622.01	Temporary Berms and Slope Drains	— T —
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	— W —
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	— W —
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	⊓
1632.02	Type B	⊓
1632.03	Type C	⊓
	Skimmer Basin	▭
	Tiered Skimmer Basin	▭
	Infiltration Basin	▭

THIS PROJECT CONTAINS EROSION CONTROL PLANS FOR CLEARING AND GRUBBING PHASE OF CONSTRUCTION.



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



Prepared In the Office of:
DDC UNIT DIVISION 10
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Designed by:
JASON BROOKS 4369
NAME LEVEL III CERTIFICATION NO.

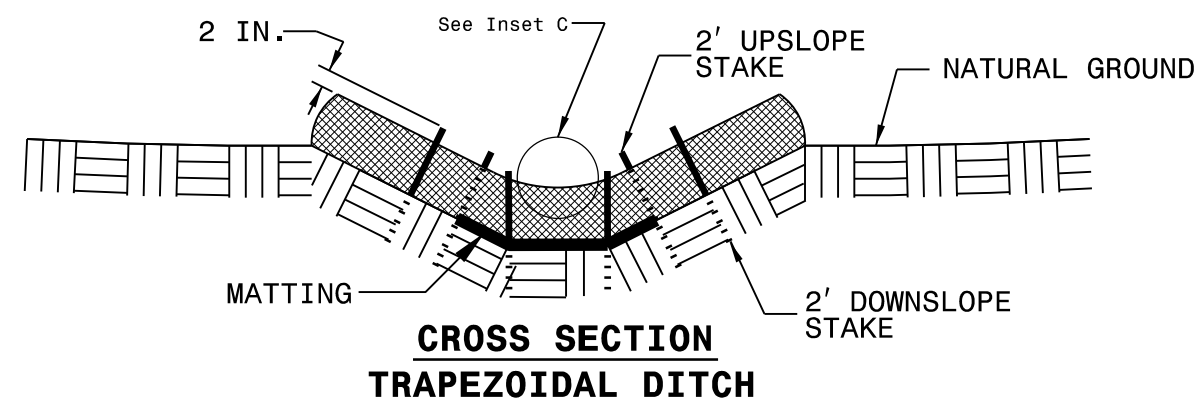
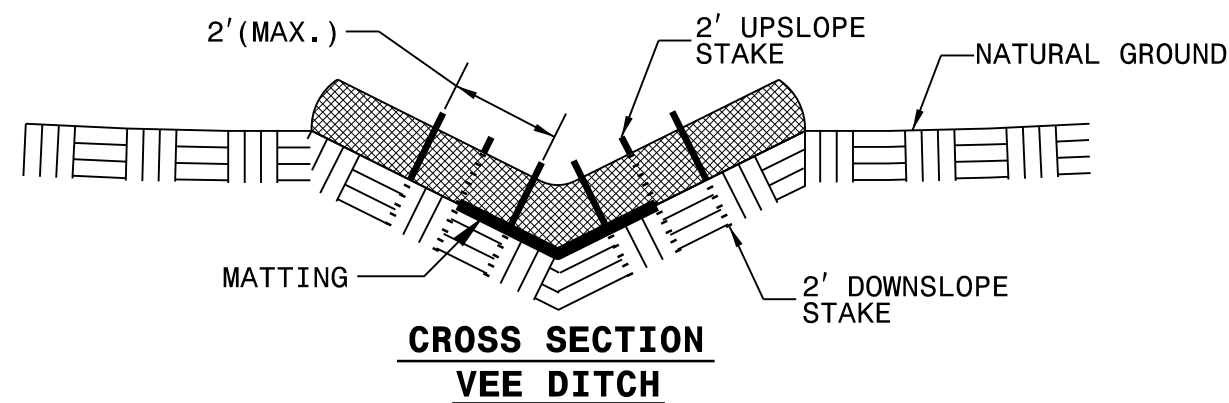
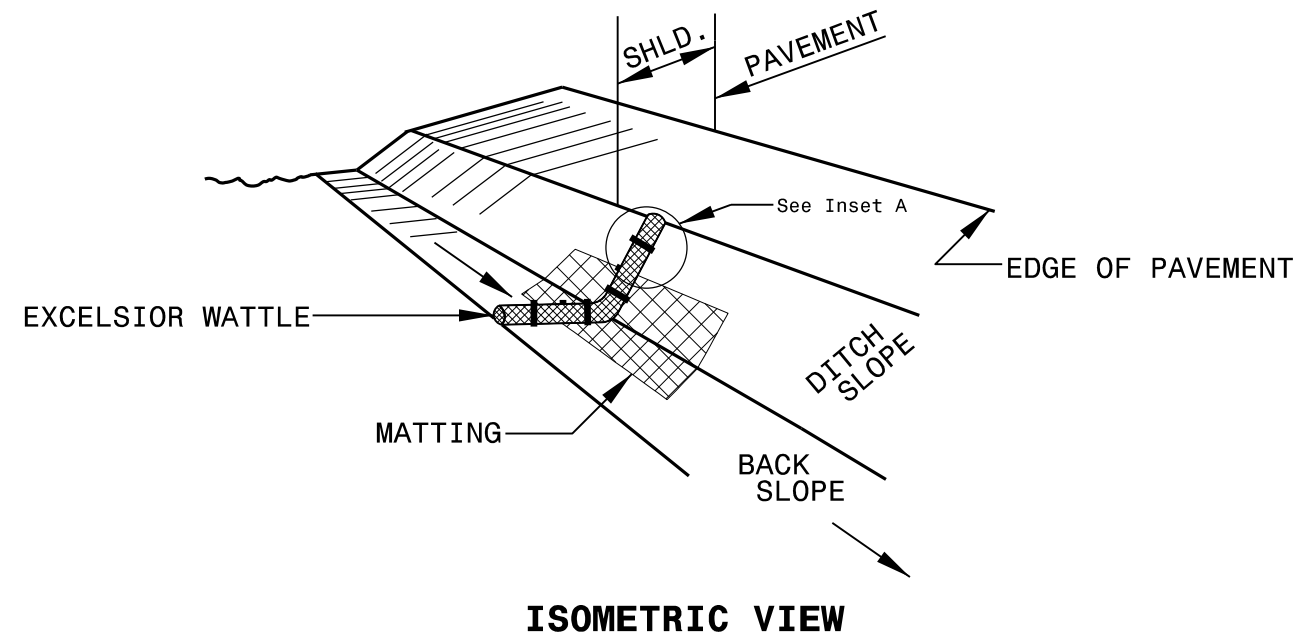
Roadway Standard Drawings

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	1632.01 Rock Inlet Sediment Trap Type A
1605.01 Temporary Silt Fence	1632.02 Rock Inlet Sediment Trap Type B
1606.01 Special Sediment Control Fence	1632.03 Rock Inlet Sediment Trap Type C
1607.01 Gravel Construction Entrance	1633.01 Temporary Rock Silt Check Type A
1622.01 Temporary Berms and Slope Drains	1633.02 Temporary Rock Silt Check Type B
1630.01 Riser Basin	1633.03 Temporary Rock Silt Check Type C
1630.02 Silt Basin Type 3	1634.01 Temporary Rock Sediment Dam Type A
1630.03 Temporary Silt Ditch	1634.02 Temporary Rock Sediment Dam Type B
1630.04 Stilling Basin	1635.01 Rock Pipe Inlet Sediment Trap Type A
1630.05 Temporary Diversion	1635.02 Rock Pipe Inlet Sediment Trap Type B
1630.06 Special Stilling Basin	1640.01 Coir Fiber Jaffle
1631.01 Matting Installation	1645.01 Temporary Stream Crossing

19-OCT-2023 09:25 \\fs01\eression\W-5710AI\NC 218_Sikes Mill.unl.ec.tsh.dgn

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.

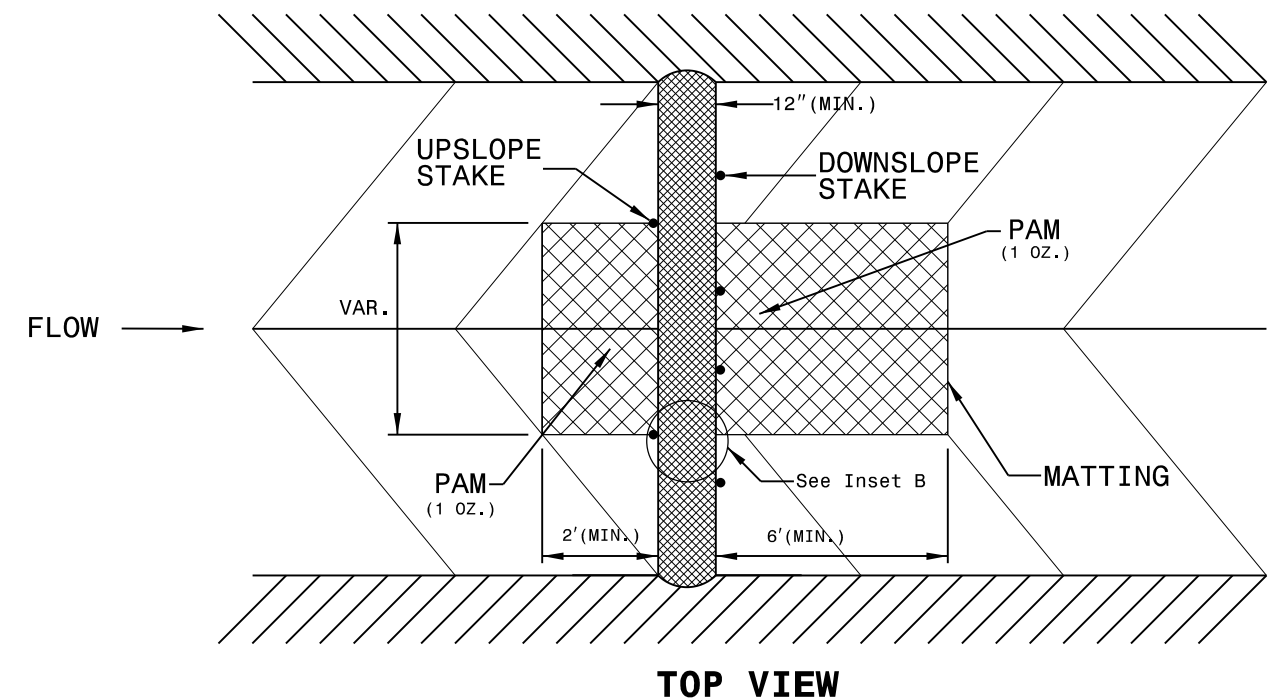
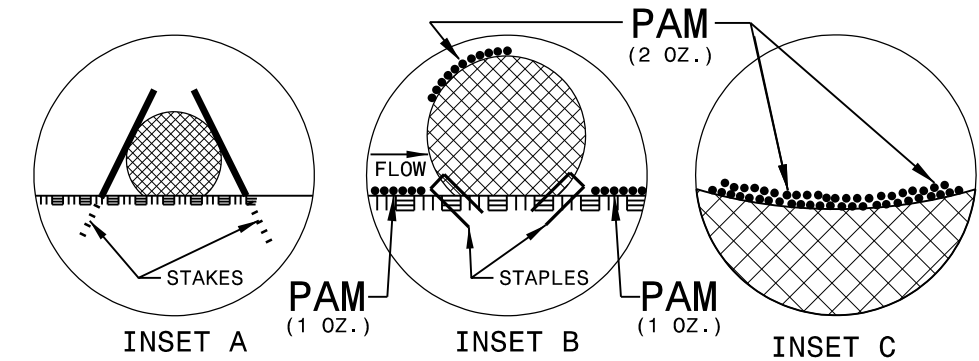
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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

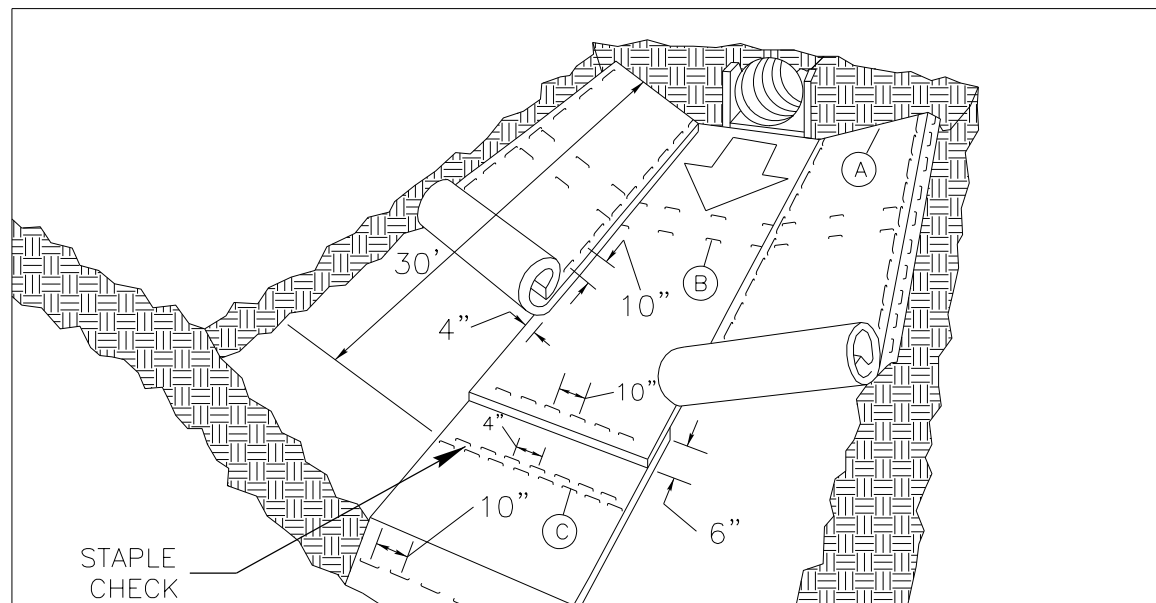
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

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.



MATTING INSTALLATION DETAIL



MATTING IN DITCHES

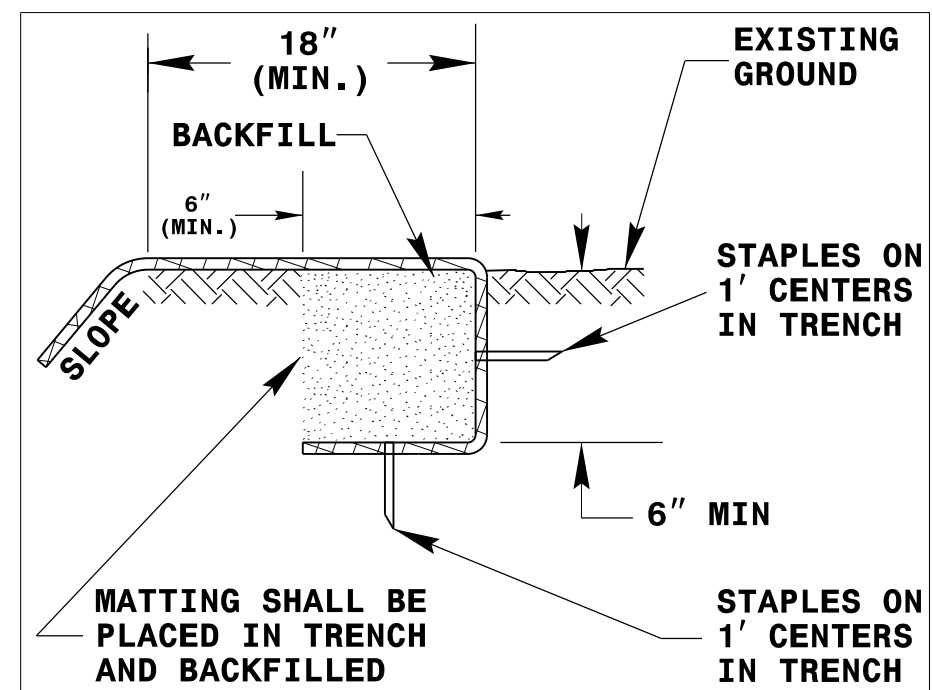
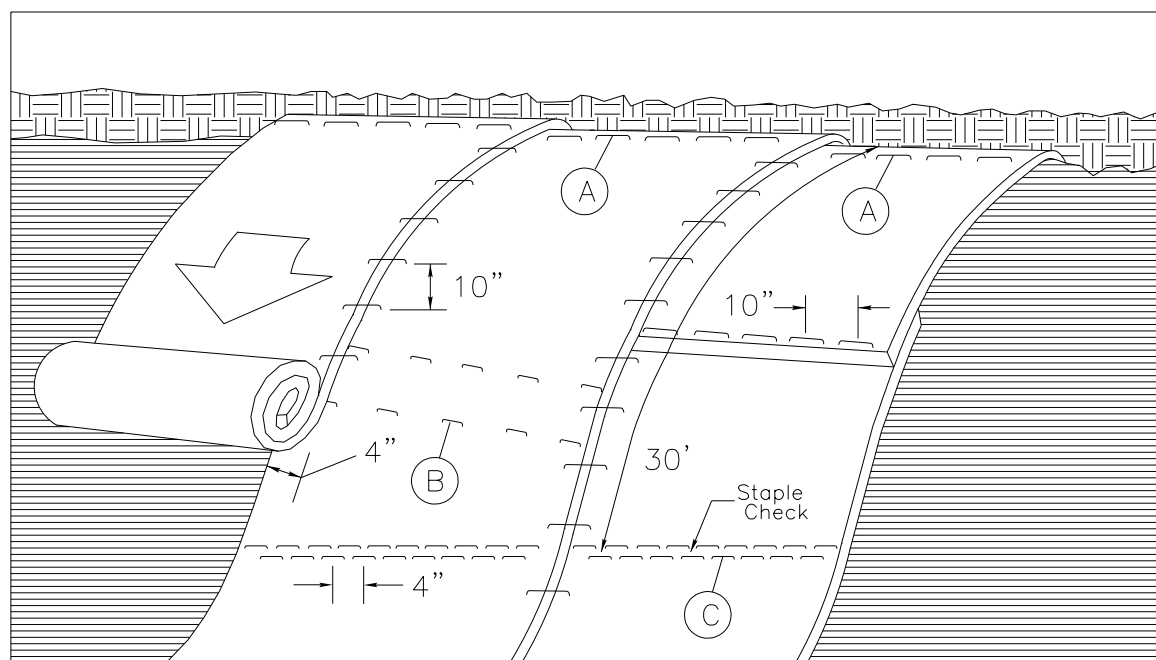


DIAGRAM (A)



MATTING ON SLOPES

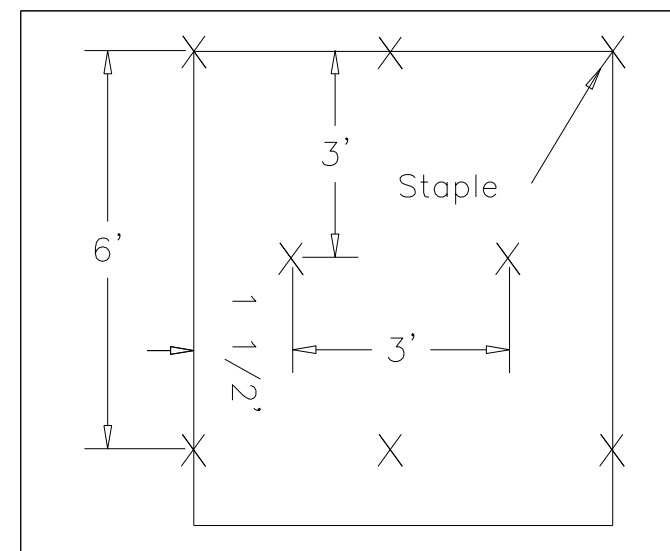


DIAGRAM (B)

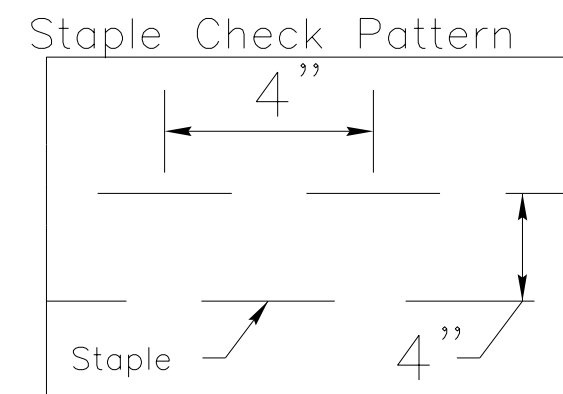


DIAGRAM (C)

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.

NOT TO SCALE

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

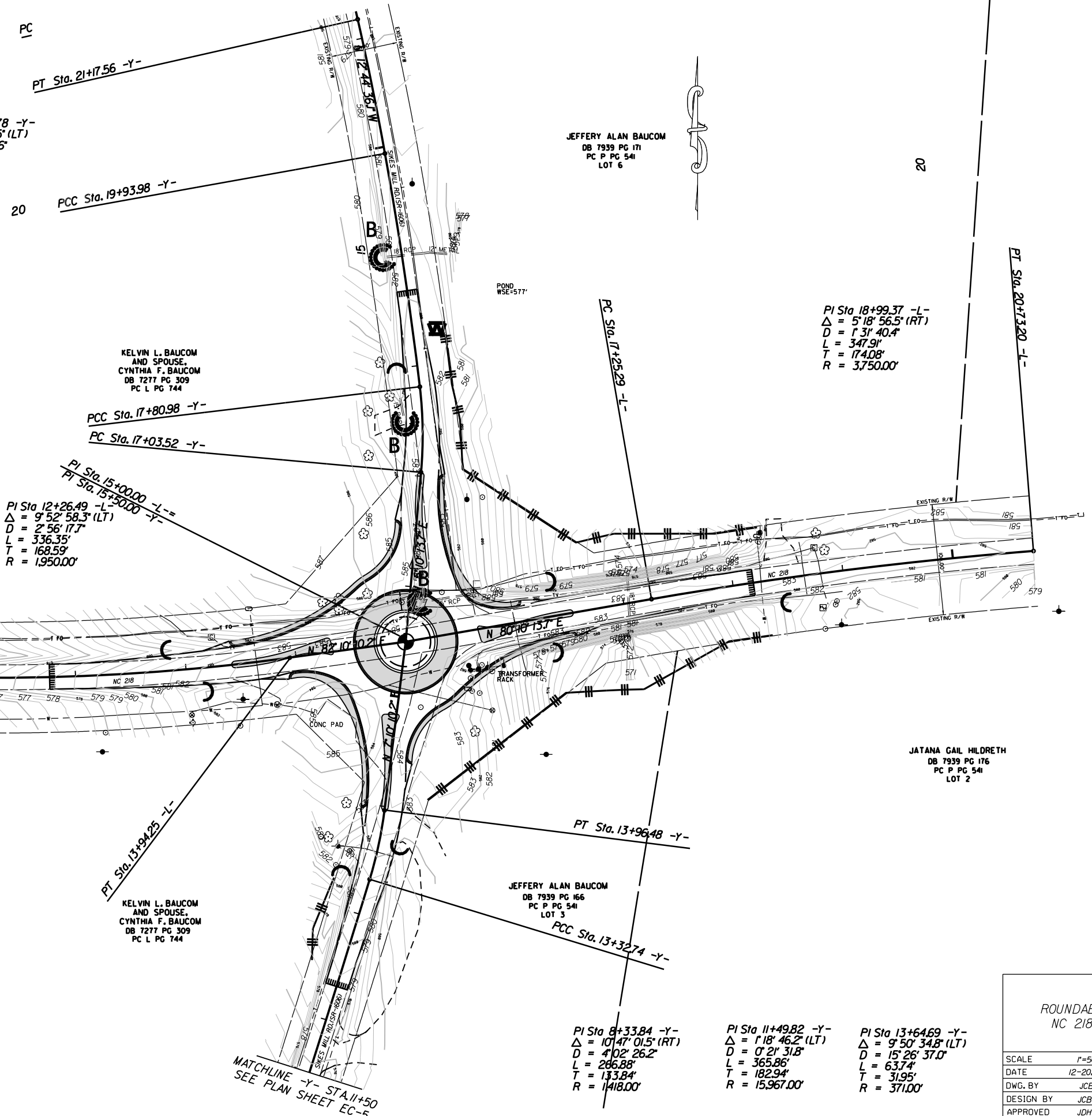
<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 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.

PROJECT NO.	SHEET NO.
44856.3.37	EC-4
F.A. PROJECT NO.	HSP-0218(016)

PI Sta 17+42.39 -Y-
 $\Delta = 11' 57" 42.4" (LT)$
 $D = 15' 26" 37.0"$
 $L = 77.45'$
 $T = 38.87'$
 $R = 371.00'$

PI Sta 18+87.51 -Y-
 $\Delta = 3' 25" 24.0" (LT)$
 $D = 1' 36" 25.8"$
 $L = 213.00'$
 $T = 106.53'$
 $R = 3,565.00'$

PI Sta 20+55.78 -Y-
 $\Delta = 2' 31" 43.5" (LT)$
 $D = 2' 02" 46.6"$
 $L = 123.58'$
 $T = 61.80'$
 $R = 2,800.00'$



PI Sta 12+26.49 -L-
 $\Delta = 9' 52" 58.3" (LT)$
 $D = 2' 56" 17.7"$
 $L = 336.35'$
 $T = 168.59'$
 $R = 1,950.00'$

PI Sta 18+99.37 -L-
 $\Delta = 5' 18" 56.5" (RT)$
 $D = 1' 31" 40.4"$
 $L = 347.91'$
 $T = 174.08'$
 $R = 3,750.00'$

KELVIN L. BAUCOM
 AND SPOUSE,
 CYNTHIA F. BAUCOM
 DB 7277 PG 309
 PC L PG 744

JEFFERY ALAN BAUCOM
 DB 7939 PG 166
 PC P PG 541
 LOT 3

JATANA GAIL HILDRETH
 DB 7939 PG 176
 PC P PG 541
 LOT 2

PI Sta 8+33.84 -Y-
 $\Delta = 10' 47" 01.5" (RT)$
 $D = 4' 02" 26.2"$
 $L = 286.88'$
 $T = 133.84'$
 $R = 1,418.00'$

PI Sta 11+49.82 -Y-
 $\Delta = 1' 18" 46.2" (LT)$
 $D = 0' 21" 31.8"$
 $L = 365.86'$
 $T = 182.94'$
 $R = 15,967.00'$

PI Sta 13+64.69 -Y-
 $\Delta = 9' 50" 34.8" (LT)$
 $D = 15' 26" 37.0"$
 $L = 63.74'$
 $T = 31.95'$
 $R = 371.00'$

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

MATCHLINE -Y- STA. 11+50
SEE PLAN SHEET EC-5

ROUNDBOUT AT THE INTERSECTION OF
NC 218 AND SIKES MILL RD. (SR-1606)

SCALE	1"=50'
DATE	12-2020
DWG. BY	JCB
DESIGN BY	JCB
APPROVED	JDH

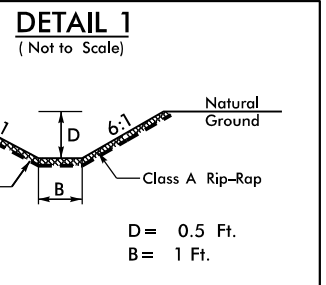


REVISIONS	

PI Sta 17+42.39 -Y-
 $\Delta = 11' 57" 42.4" (LT)$
 $D = 15' 26" 37.0"$
 $L = 77.45'$
 $T = 38.87'$
 $R = 371.00'$

PI Sta 18+87.51 -Y-
 $\Delta = 3' 25" 24.0" (LT)$
 $D = 1' 36" 25.8"$
 $L = 213.00'$
 $T = 106.53'$
 $R = 3,565.00'$

PI Sta 20+55.78 -Y-
 $\Delta = 2' 31" 43.5" (LT)$
 $D = 2' 02" 46.6"$
 $L = 123.58'$
 $T = 61.80'$
 $R = 2,800.00'$

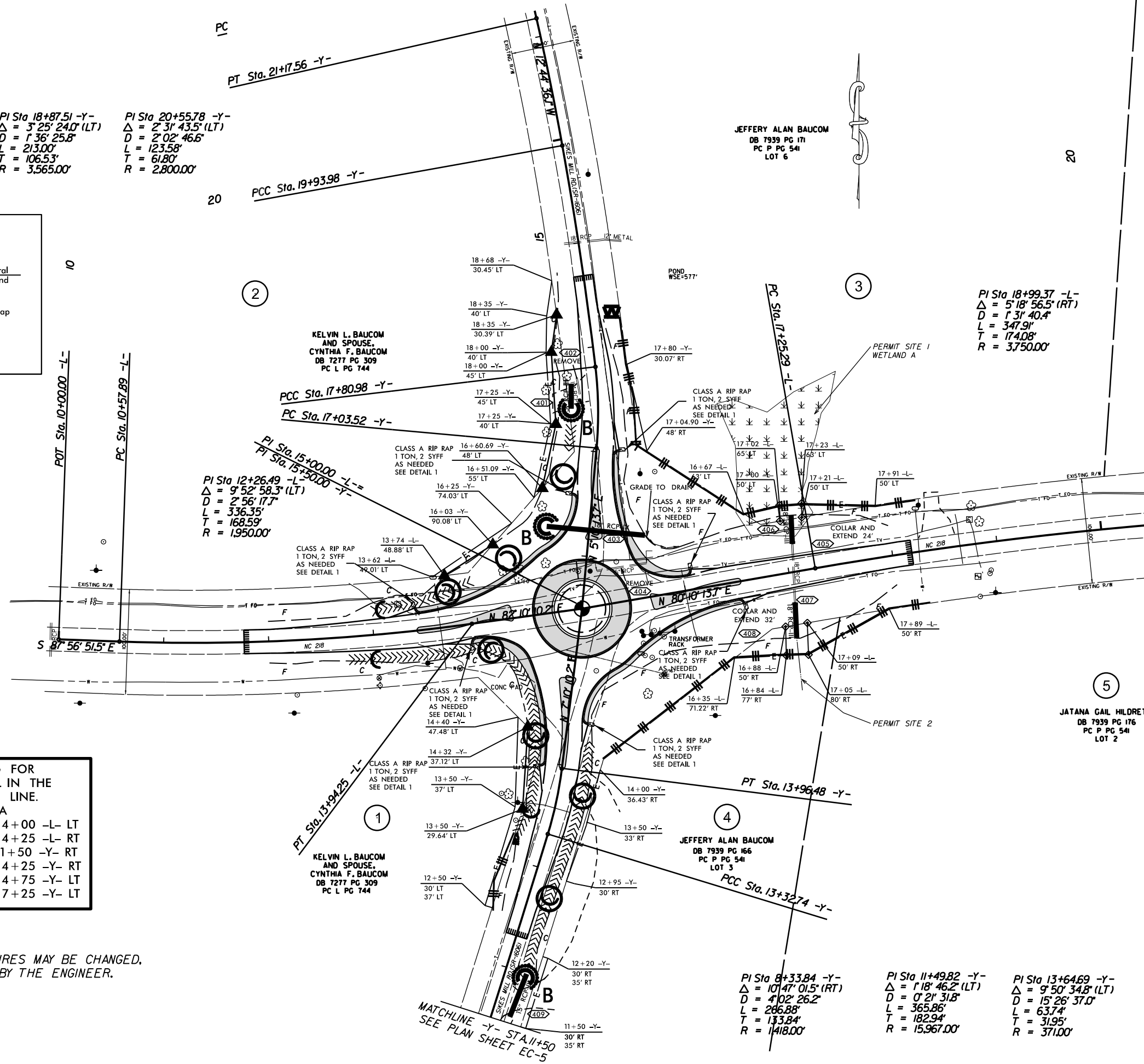


To be placed at the end of Curb Turnouts as directed by the Engineer.

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE. SEE SHEET 2A

STA. 13+00 -L- LT TO 14+00 -L- LT
 STA. 12+75 -L- RT TO 14+25 -L- RT
 STA. 7+25 -Y- RT TO 11+50 -Y- RT
 STA. 12+00 -Y- RT TO 14+25 -Y- RT
 STA. 13+25 -Y- LT TO 14+75 -Y- LT
 STA. 17+00 -Y- LT TO 17+25 -Y- LT

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



PI Sta 18+99.37 -L-
 $\Delta = 5' 18" 56.5" (RT)$
 $D = 1' 31" 40.4"$
 $L = 347.91'$
 $T = 174.08'$
 $R = 3,750.00'$

PI Sta 12+26.49 -L-
 $\Delta = 9' 52" 58.3" (LT)$
 $D = 2' 56" 17.7"$
 $L = 336.35'$
 $T = 168.59'$
 $R = 1,950.00'$

PI Sta 8+33.84 -Y-
 $\Delta = 10' 47" 01.5" (RT)$
 $D = 4' 02" 26.2"$
 $L = 266.88'$
 $T = 133.84'$
 $R = 1,418.00'$

PI Sta 11+49.82 -Y-
 $\Delta = 1' 18" 46.2" (LT)$
 $D = 0' 21" 31.8"$
 $L = 365.86'$
 $T = 182.94'$
 $R = 15,967.00'$

PI Sta 13+64.69 -Y-
 $\Delta = 9' 50" 34.8" (LT)$
 $D = 15' 26" 37.0"$
 $L = 63.74'$
 $T = 31.95'$
 $R = 371.00'$

SAFETY FENCE:

Description

Safety Fence shall consist of furnishing, installing and maintaining polyethylene or polypropylene fence along the outside riparian buffer, wetland, or water boundary located within the construction corridor to mark the areas that have been approved to infringe within the buffer, wetland or water. The fence shall be installed prior to any land disturbing activities.

Materials

Polyethylene or polypropylene fence shall be a highly visible preconstructed safety fence approved by the Engineer. The fence material shall have an ultraviolet coating.

Either wood posts or steel posts may be used. Wood posts shall be hardwood with a wedge or pencil tip at one end, and shall be at least 5 ft. in length with a minimum nominal 2" x 2" cross section. Steel posts shall be at least 5 ft. in length, and have a minimum weight of 0.85 lb./ft. of length.

Construction Methods

No additional clearing and grubbing is anticipated for the installation of this fence; however, if any clearing and grubbing is required, it will be the minimum required for the installation of the safety fence. Such clearing shall include satisfactory removal and disposal of all trees, brush, stumps and other objectionable material.

The fence shall be erected to conform to the general contour of the ground. When determined necessary, minor grading along the fence line shall be performed to meet this requirement provided no obstructions to proper drainage are created.

Posts shall be set and maintained in a vertical position and may be hand set or set with a post driver. If hand set, all backfill material shall be thoroughly tamped. Wood posts may be sharpened to a dull point if power driven. Posts damaged by power driving shall be removed and replaced prior to final acceptance. The tops of all wood posts shall be cut at a 30-degree angle. The wood posts may, at the option of the Contractor, be cut at this angle either before or after the posts are erected.

The fence fabric shall be attached to the wood posts with one 2" galvanized wire staple across each cable or to the steel posts with wire or other acceptable means.

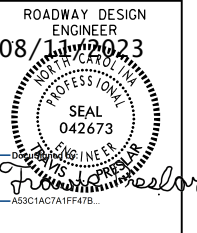
The Contractor shall be required to maintain the safety fence in a satisfactory condition for the duration of the project as determined by the Engineer.

Measurement and Payment

Safety Fence will be paid for at the contract price for "Lump Sum for Erosion Control". Such payment will be full compensation including but not limited to clearing and grading, furnishing and installing fence fabric with necessary posts and post bracing, staples, tie wires, tools, equipment and incidentals necessary to complete this work.

ROUNDABOUT AT THE INTERSECTION OF
NC 218 AND SIKES MILL RD. (SR-1606)

SCALE	1"=50'		REVISIONS
DATE	12-2020		
DWG. BY	JCB		
DESIGN BY	JCB		
APPROVED	JDH		



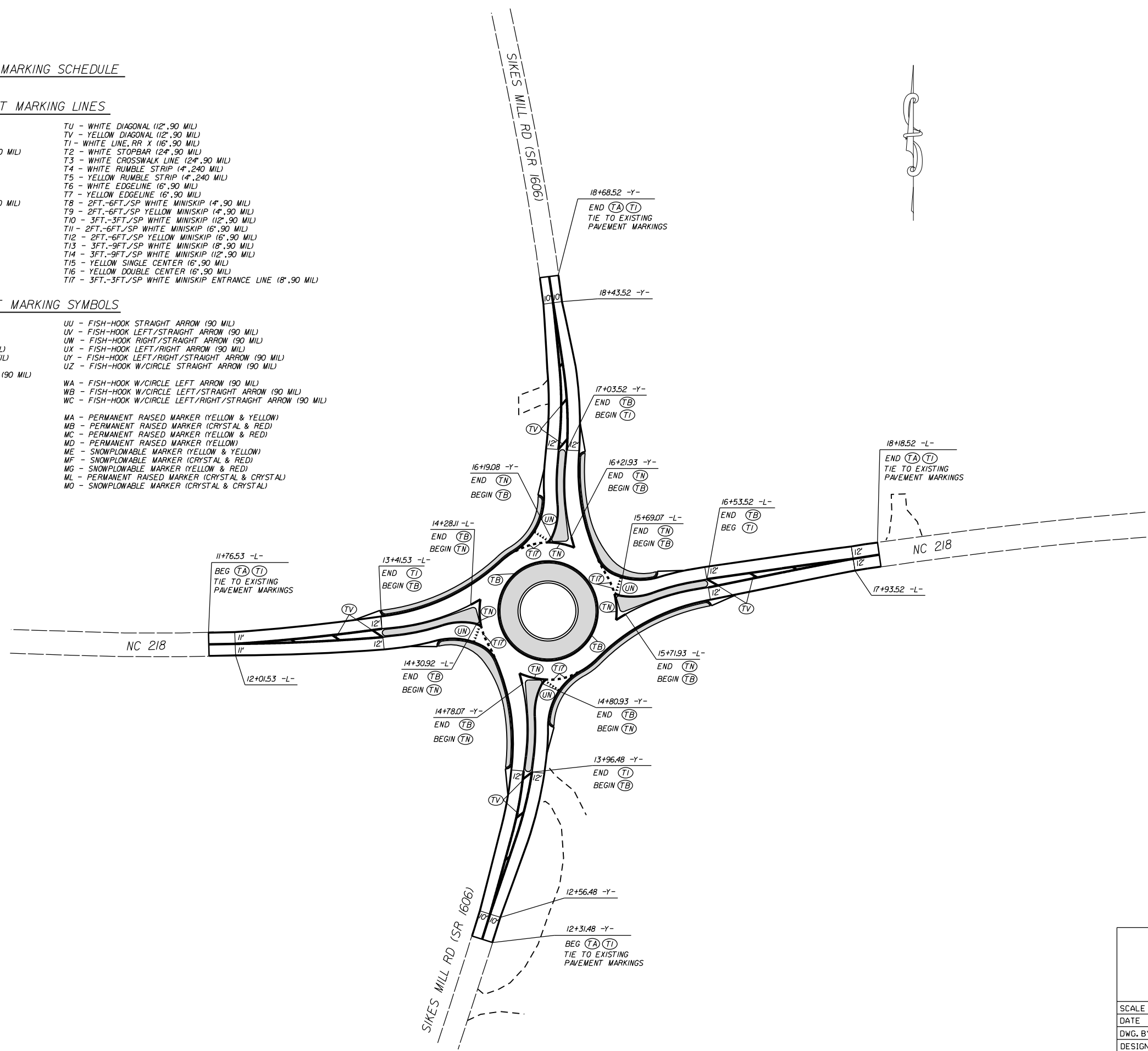
PAVEMENT MARKING SCHEDULE

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) | TI - 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 (14'.90 MIL) | T3 - WHITE CROSSWALK LINE (24'.90 MIL) |
| TF - 10FT. YELLOW SKIP (14'.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) |



ROUNDBOUT AT THE INTERSECTION OF
NC 218 AND SIKES MILL RD.(SR-1606)

SCALE	1"=50'	<table border="1" style="width: 100%;"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	REVISIONS									
REVISIONS												
DATE	12-2020											
DWG. BY	JCB											
DESIGN BY	JCB											
APPROVED	JDH											

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
UNION COUNTY**

LOCATION: ROUNDABOUT AT NC-218 AND SIKES MILL Rd. (SR-1606)

PROJECT REFERENCE NO. W-5710AI	SHEET NO. SIGN-01
DocuSigned by: 44708418C886461	
APPROVED: _____	
DATE: 10/20/2023	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

T.I.P.: W-5710AI

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 2024 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
910.40	SINGLE/TWO LANE ROUNDABOUT WITH PEDESTRIAN

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.
- . ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- . 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.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	560	L.F.
4096000000	904	SIGN ERECTION, TYPE D	1	EA.
4102000000	904	SIGN ERECTION, TYPE E	30	EA.
4108000000	904	SIGN ERECTION, TYPE F	8	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE D (GROUND MOUNTED)	1	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E (GROUND MOUNTED)	5	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	11	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	4	EA.

PROJECT NOTES

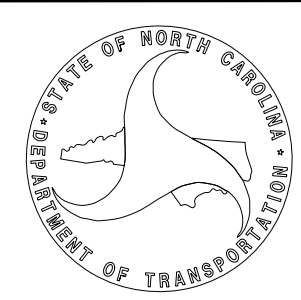
- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 DISPOSAL OF SUPPORT, U-CHANNEL
- 3 RELOCATE SIGN, TYPE E
- 4 RELOCATE SIGN, TYPE D

INDEX

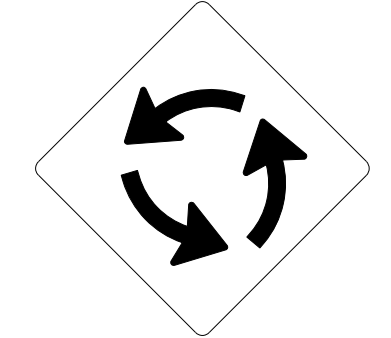
SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	E AND F SHEET
SIGN-3	SIGN DESIGNS
SIGN-4-5	SIGNING PLAN SHEETS

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

K. L. JORDAN SIGNING & DELINEATION REGIONAL ENGINEER
 J. G. MARTINEZ, PE SIGNING & DELINEATION PROJECT DESIGN ENGINEER




401 QUANTITY REQ'D 4



30" X 30"
W2-6

ONE "U" POST PER SIGN

406 QUANTITY REQ'D 2

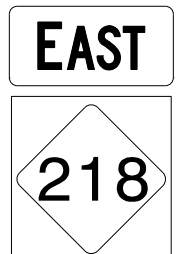


30" X 8"
W16-8P

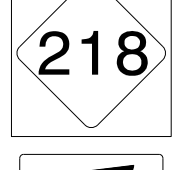
MOUNT BELOW SIGN 401
IN 1. INSTALLATIONS

SEE SIGN DESIGN


501



24" X 12"




24" X 24"





21" X 15"

ONE "U" POST

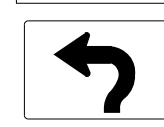
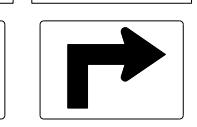
507



2-24" X 12"

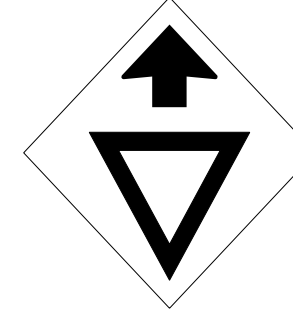
2-24" X 24"

2-21" X 15"

TWO "U" POSTS

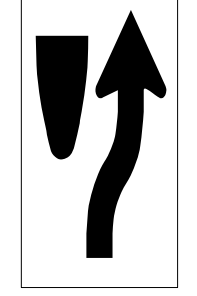
402 QUANTITY REQ'D 4



30" X 30"
W3-2

ONE "U" POST PER SIGN

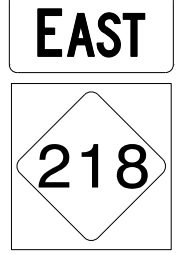
407 QUANTITY REQ'D 4




18" X 30"
R4-7c

ONE "U" POST PER SIGN

502



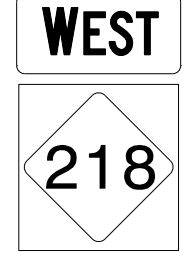
24" X 12"



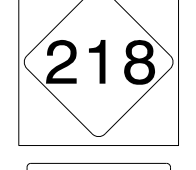
24" X 24"

ONE "U" POST


508



24" X 12"



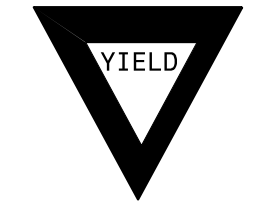
24" X 24"



21" X 15"

ONE "U" POST

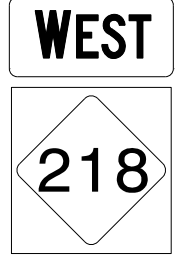
403 QUANTITY REQ'D 8



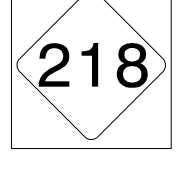
36" X 36" X 36"
R1-2

ONE "U" POST PER SIGN

503



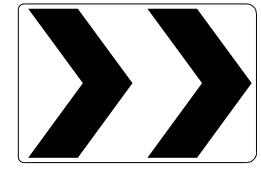
24" X 12"



24" X 24"

ONE "U" POST


404 QUANTITY REQ'D 4




30" X 24"
R6-4

ONE "U" POST PER SIGN

504 506



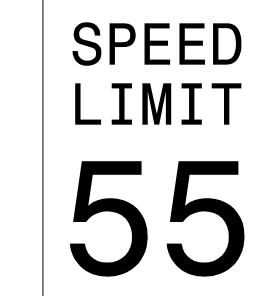
21" X 15"



24" X 24"

ONE "U" POST


405 QUANTITY REQ'D 2





24" X 30"
R2-1

ONE "U" POST PER SIGN

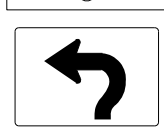
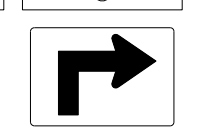
505



2-24" X 12"

2-24" X 24"

2-21" X 15"

TWO "U" POSTS

TYPE "E" & "F" SIGNS

03/29/23 U:\Projects\2022 Sign Designs\Div 10\W-5710AI\W-5710AI_Signing\W-5710AI_Signing.dgn
 User: jmartinez

PROJECT REFERENCE NO.	SHEET NO.
W-5710AI	SIGN-03
APPROVED:	<i>Jose G. Martinez</i> DocuSigned by: 4A70B418C8864E1...
DATE:	07/12/2022
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

SIGN NUMBER: 301 TYPE: D QUANTITY: 1 SIGN WIDTH: 3'-6" HEIGHT: 2'-0" TOTAL AREA: 7.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0" WIDTH: 1" RADIUS: 3" NO. Z BARS: LENGTH:	BACKG COLOR: Green COPY COLOR: White SYMBOL X Y WID HT MAT'L: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: jgm PROJECT ID: W-5710AI	CHECKED BY: LOCATION: Jun 09, 2022 DIV: 10
--	---	--	--

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size Text Length
F	a	i	r	v	i	e	w						D 2000 31
5.5	4.2	4.6	2.2	2.5	5	1.9	3.9	6.8	5.5				
C	I	T	Y	L	I	M	I	T					D 2000 27.5
7.3	3.6	1.2	2.7	3.4	4	3.1	1.6	4.1	1.2	2.5	7.3		

W-5710AI_Signing_Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 406 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" RADIUS: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Yellow COPY COLOR: Black SYMBOL X Y WID HT MAT'L: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: jgm PROJECT ID: W-5710AI	CHECKED BY: LOCATION: Jun 09, 2022 DIV: 10
--	--	--	--

Spacing Factor is 1 unless specified otherwise

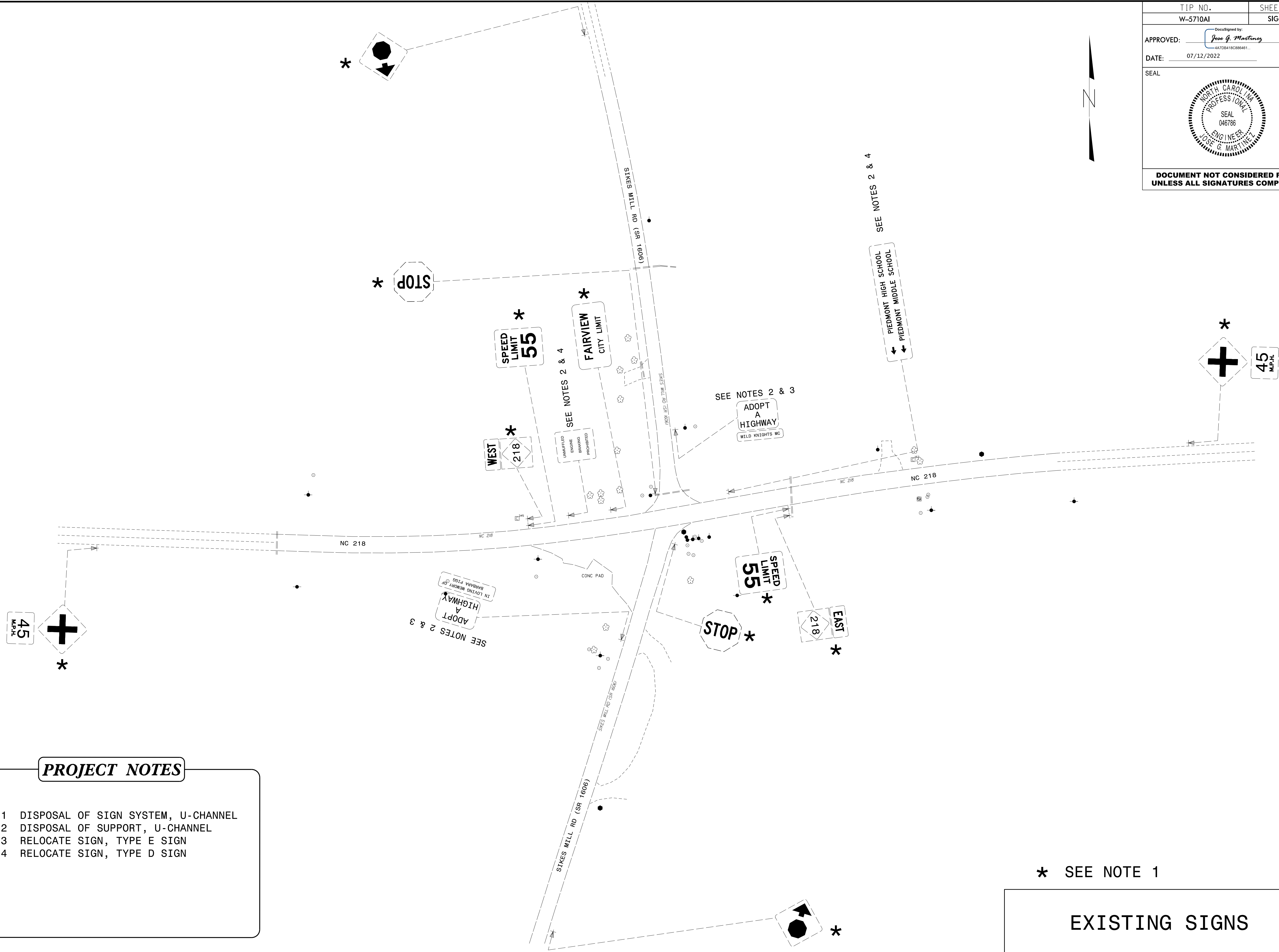
LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size Text Length		
S	i	k	e	s	M	i	l	l	R	d			B 2000 23.4		
3.3	2.2	1.2	1.9	1.7	1.3	3	2.7	1.2	1.2	0.5	3	2.1	1.5	3.3	

W-5710AI_Signing_Designs NORTH CAROLINA D.O.T. SIGN DETAIL

7/12/2022 U:\Projects\2022 Sign Designs\Div 10\W-5710AI\W-5710AI_Signing\W-5710AI_Signing.dgn Jgm

SIGN DESIGNS



PROJECT NOTES

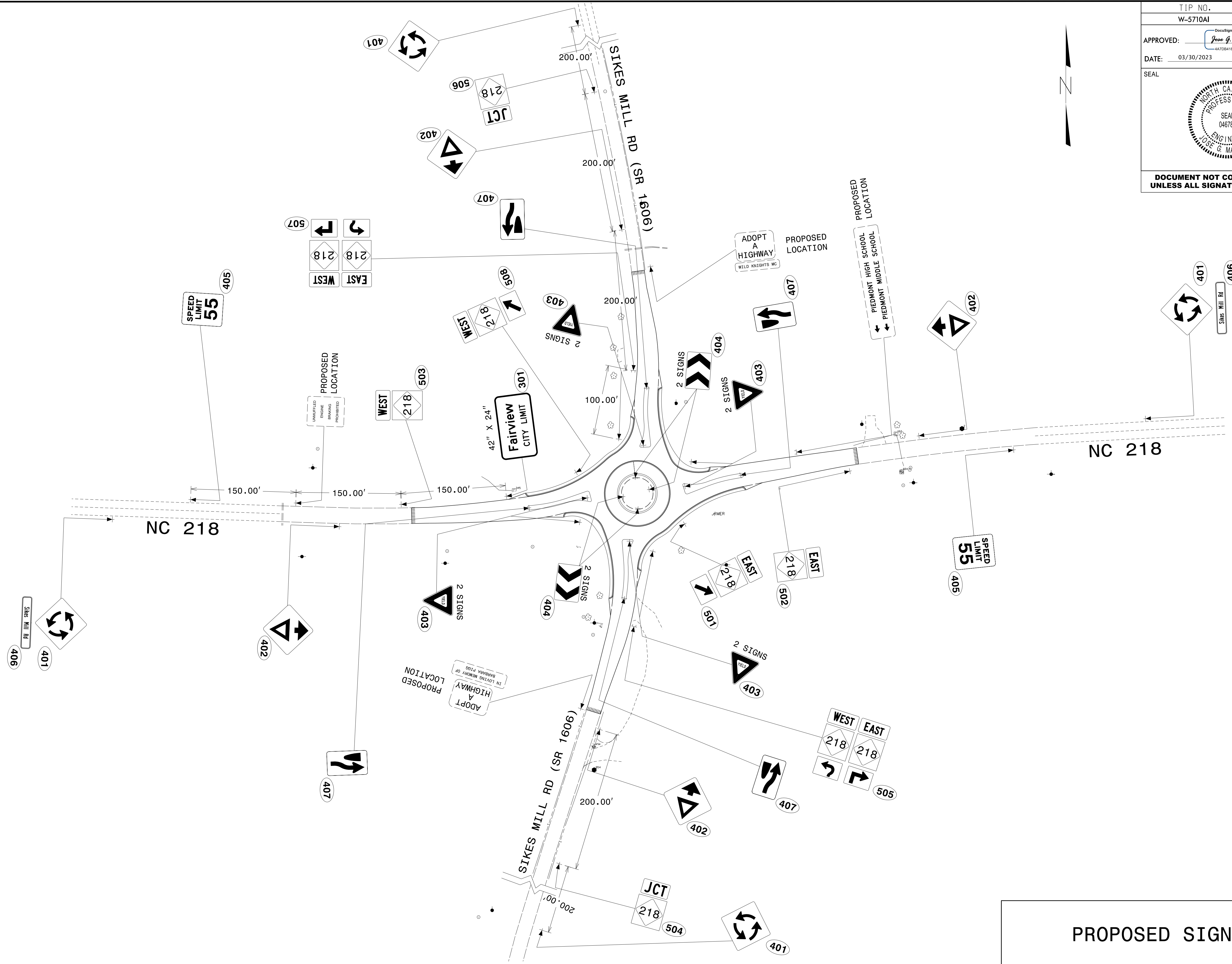
- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 DISPOSAL OF SUPPORT, U-CHANNEL
- 3 RELOCATE SIGN, TYPE E SIGN
- 4 RELOCATE SIGN, TYPE D SIGN

* SEE NOTE 1

EXISTING SIGNS

7/12/2022
 U:\Projects\2022 Sign Designs\Div 10\W-5710AI\W-5710AI_Signing-Existing.dgn
 User: jgmartinez

TIP NO. W-5710AI	SHEET NO. SIGN-05
APPROVED: <i>Jose G. Martinez</i> 4ATDB418C886461	
DATE: 03/30/2023	
SEAL	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



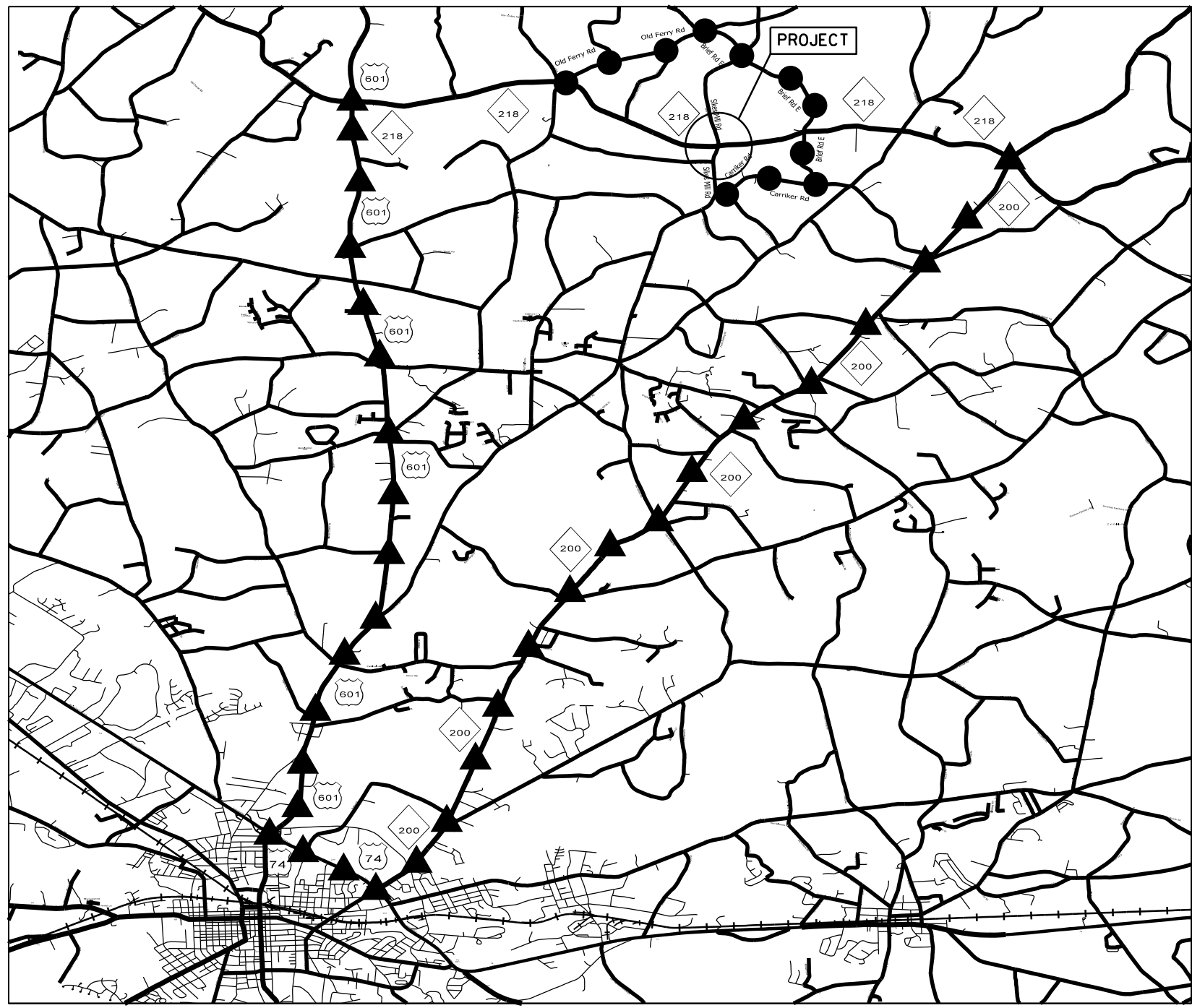
PROPOSED SIGNS

03/29/23
U:\Projects\2022 Sign Designs\Div 10\W-5710AI\W-5710AI_Signing-Proposed.dgn
User: jmartinez

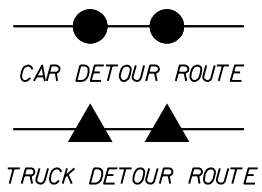
PROJECT NO.	SHEET NO.
44856.3.37	TCP-1
F.A. PROJECT NO.	HSIP-0218(016)


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		5-2022		
DWG. BY		JCB		
DESIGN BY		JCB		
APPROVED		JDH		

ROUNDABOUT AT THE INTERSECTION OF
NC 218 AND SIKES MILL RD. (SR-1606)

T.I.P. NO.	SHEET NO.
W-5710AI	UO-1

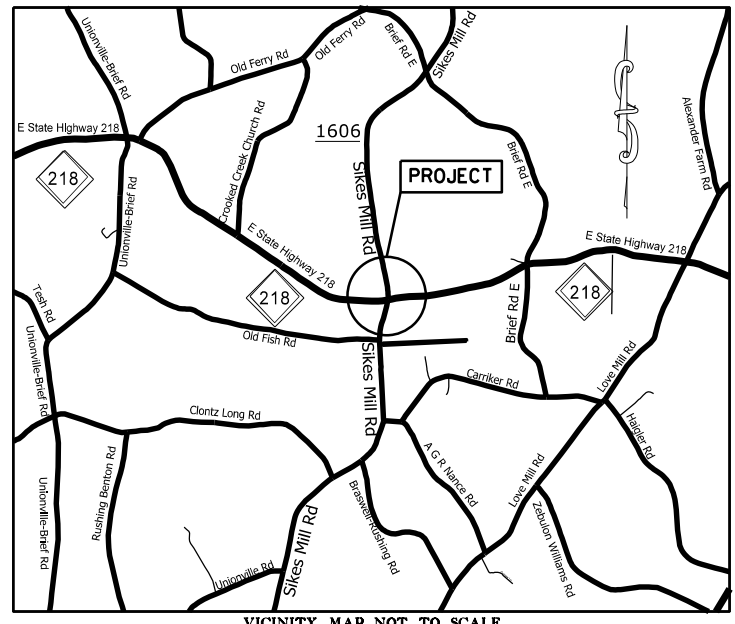
NOTE:
 ALL UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS.
 NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR UTILITY WORK SHOWN ON THIS SHEET.

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

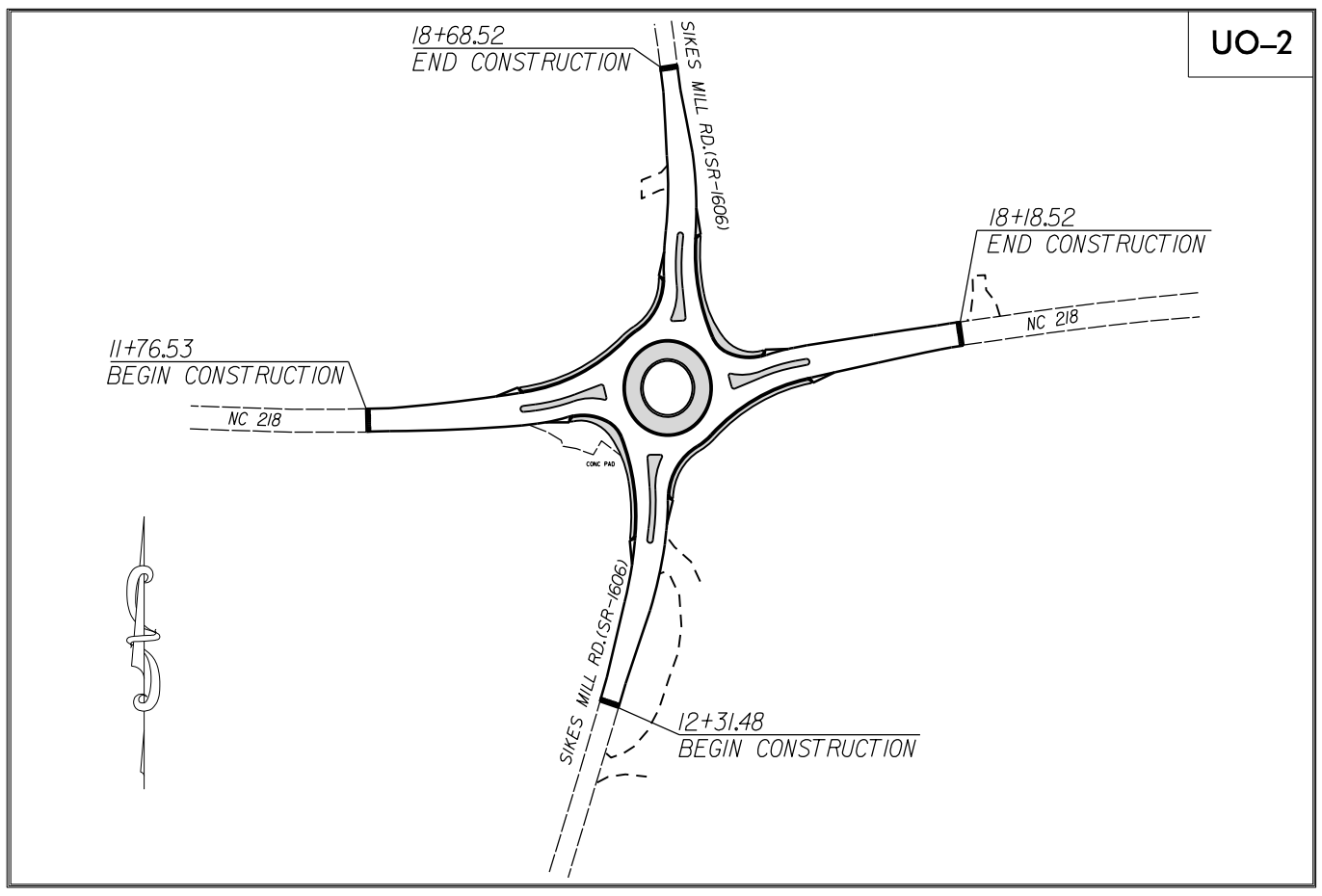
UTILITIES BY OTHERS PLANS
UNION COUNTY

**LOCATION: INTERSECTION OF NC 218 AND
 SIKES MILL RD. (SR-1606)**

TYPE OF WORK: UTILITIES BY OTHERS



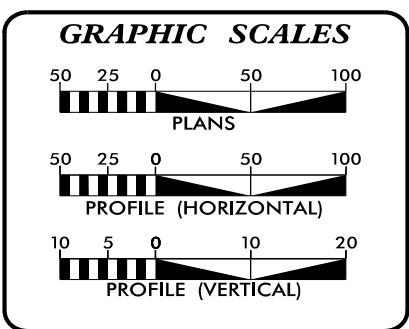
VICINITY MAP NOT TO SCALE



UO-2

TIP PROJECT: W-5710AI

20-DEC-2022 09:19 S:\DDC\ROY\Union\W-5710AI\NC 218_Sikes Mill_RAB\utility\W-5710AI_NC 218_Sikes Mill_unl_ubo_tsh.dgn



INDEX OF SHEETS


SHEET NO.:	DESCRIPTION:
UO-1	TITLE SHEET
UO-2	UBO PLAN SHEET

UTILITY OWNERS WITH CONFLICTS

(A) POWER - UNION POWER
 (B) TELECOMMUNICATIONS - WINDSTREAM
 (C) TELECOMMUNICATIONS - SPECTRUM CHARTER
 (D) TELECOMMUNICATIONS - FRONTIER

PREPARED IN THE OFFICE OF:

DDC UNIT DIVISION 10
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS



**DIVISION 10
 UTILITIES UNIT**
 716 W. MAIN ST.
 ALBEMARLE, NC 28001
 PHONE (704) 983-4400

T. LYNN BASINGER UTILITIES ENGINEER
ADAM PRESLAR UTILITIES COORDINATOR

PROJECT NO.	SHEET NO.
44856.3.37	U0-2
F.A. PROJECT NO.	HSP-0218(016)

PI Sta 17+42.39 -Y-
 $\Delta = 11^{\circ} 57' 42.4''$ (LT)
 D = 15' 26' 37.0"
 L = 77.45'
 T = 38.87'
 R = 371.00'

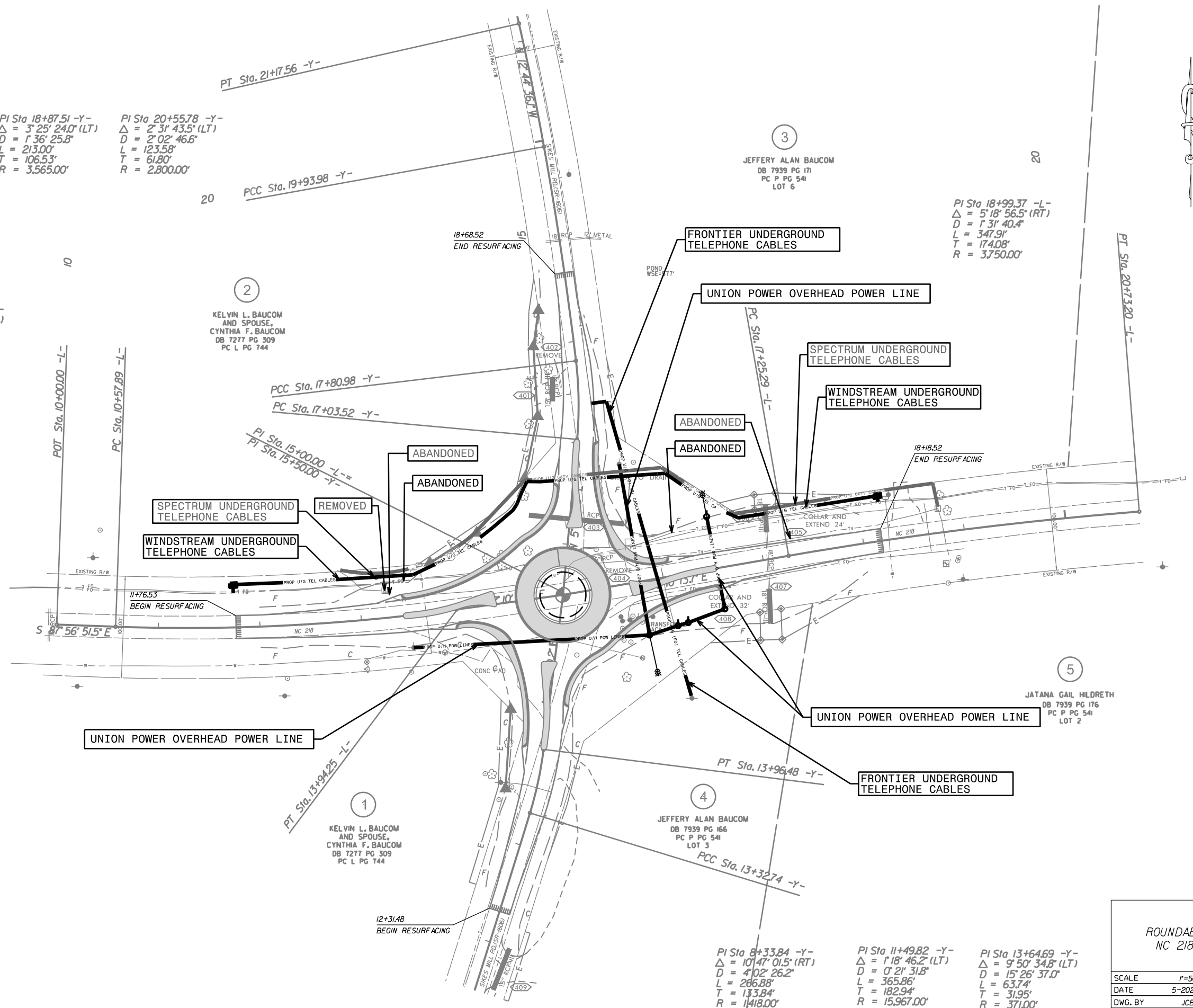
PI Sta 18+87.51 -Y-
 $\Delta = 3^{\circ} 25' 24.0''$ (LT)
 D = 1' 36' 25.8"
 L = 213.00'
 T = 106.53'
 R = 3,565.00'

PI Sta 20+55.78 -Y-
 $\Delta = 2^{\circ} 31' 43.5''$ (LT)
 D = 2' 02' 46.6"
 L = 123.58'
 T = 61.80'
 R = 2,800.00'

PI Sta 12+26.49 -L-
 $\Delta = 9^{\circ} 52' 58.3''$ (LT)
 D = 2' 56' 17.7"
 L = 336.35'
 T = 168.59'
 R = 1,950.00'

PI Sta 18+99.37 -L-
 $\Delta = 5^{\circ} 18' 56.5''$ (RT)
 D = 1' 31' 40.4"
 L = 347.91'
 T = 174.08'
 R = 3,750.00'

JATANA GAIL HILDRETH
 DB 7939 PG 176
 PC P PG 541
 LOT 5



UNION POWER OVERHEAD POWER LINE

UNION POWER OVERHEAD POWER LINE

SPECTRUM UNDERGROUND TELEPHONE CABLES

WINDSTREAM UNDERGROUND TELEPHONE CABLES

FRONTIER UNDERGROUND TELEPHONE CABLES

SPECTRUM UNDERGROUND TELEPHONE CABLES

WINDSTREAM UNDERGROUND TELEPHONE CABLES

UNION POWER OVERHEAD POWER LINE

FRONTIER UNDERGROUND TELEPHONE CABLES

1
 KELVIN L. BAUCOM
 AND SPOUSE,
 CYNTHIA F. BAUCOM
 DB 7277 PG 309
 PC L PG 744

4
 JEFFERY ALAN BAUCOM
 DB 7939 PG 166
 PC P PG 541
 LOT 3

5
 JATANA GAIL HILDRETH
 DB 7939 PG 176
 PC P PG 541
 LOT 2

PI Sta 8+33.84 -Y-
 $\Delta = 101^{\circ} 47' 01.5''$ (RT)
 D = 4' 02' 26.2"
 L = 286.88'
 T = 133.84'
 R = 1,418.00'

PI Sta 11+49.82 -Y-
 $\Delta = 1^{\circ} 18' 46.2''$ (LT)
 D = 0' 21' 31.8"
 L = 365.86'
 T = 182.94'
 R = 15,967.00'

PI Sta 13+64.69 -Y-
 $\Delta = 9^{\circ} 50' 34.8''$ (LT)
 D = 15' 26' 37.0"
 L = 63.74'
 T = 31.95'
 R = 371.00'

ROUNDABOUT AT THE INTERSECTION OF NC 218 AND SIKES MILL RD.(SR-1606)

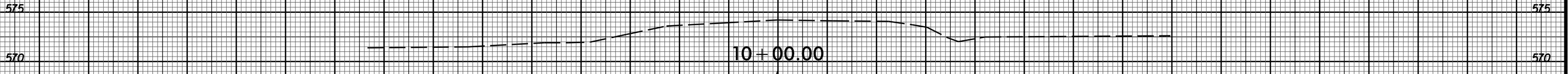
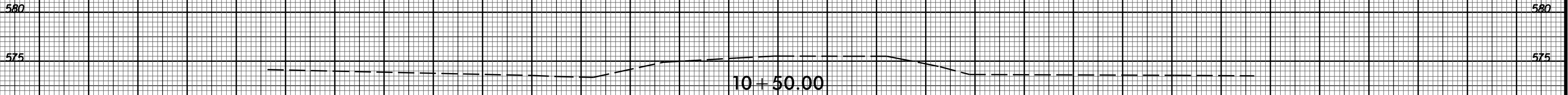
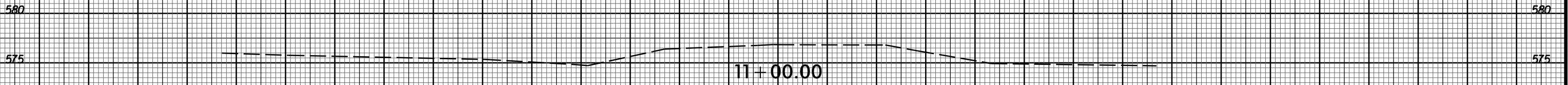
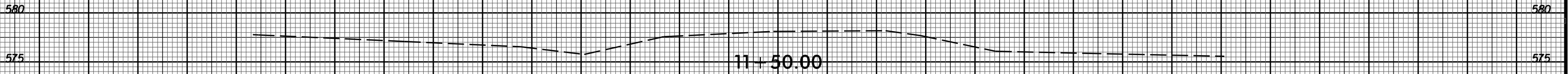
SCALE	1"=50'
DATE	5-2020
DWG. BY	JCB
DESIGN BY	JCB
APPROVED	JDH



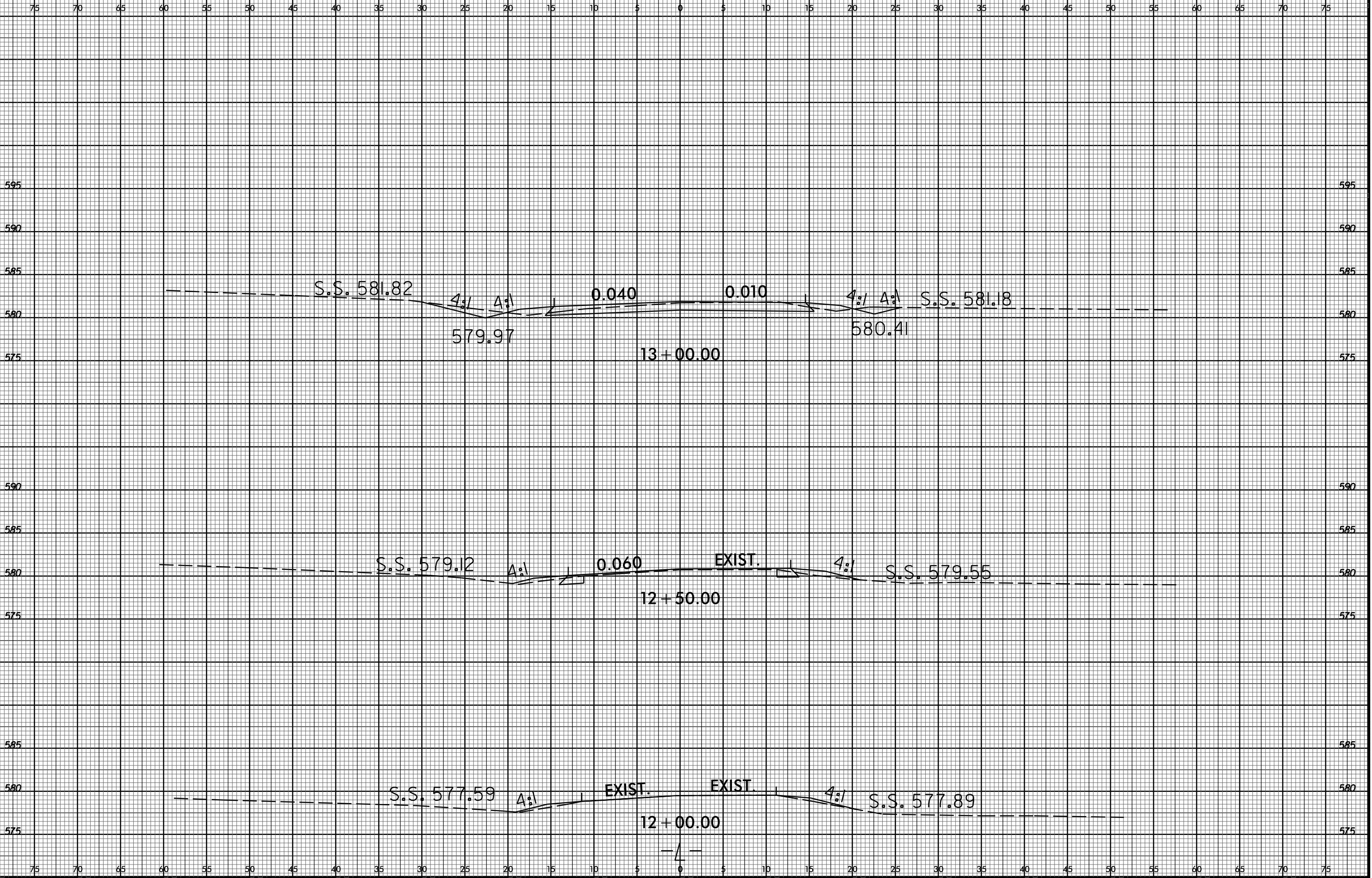
REVISIONS	

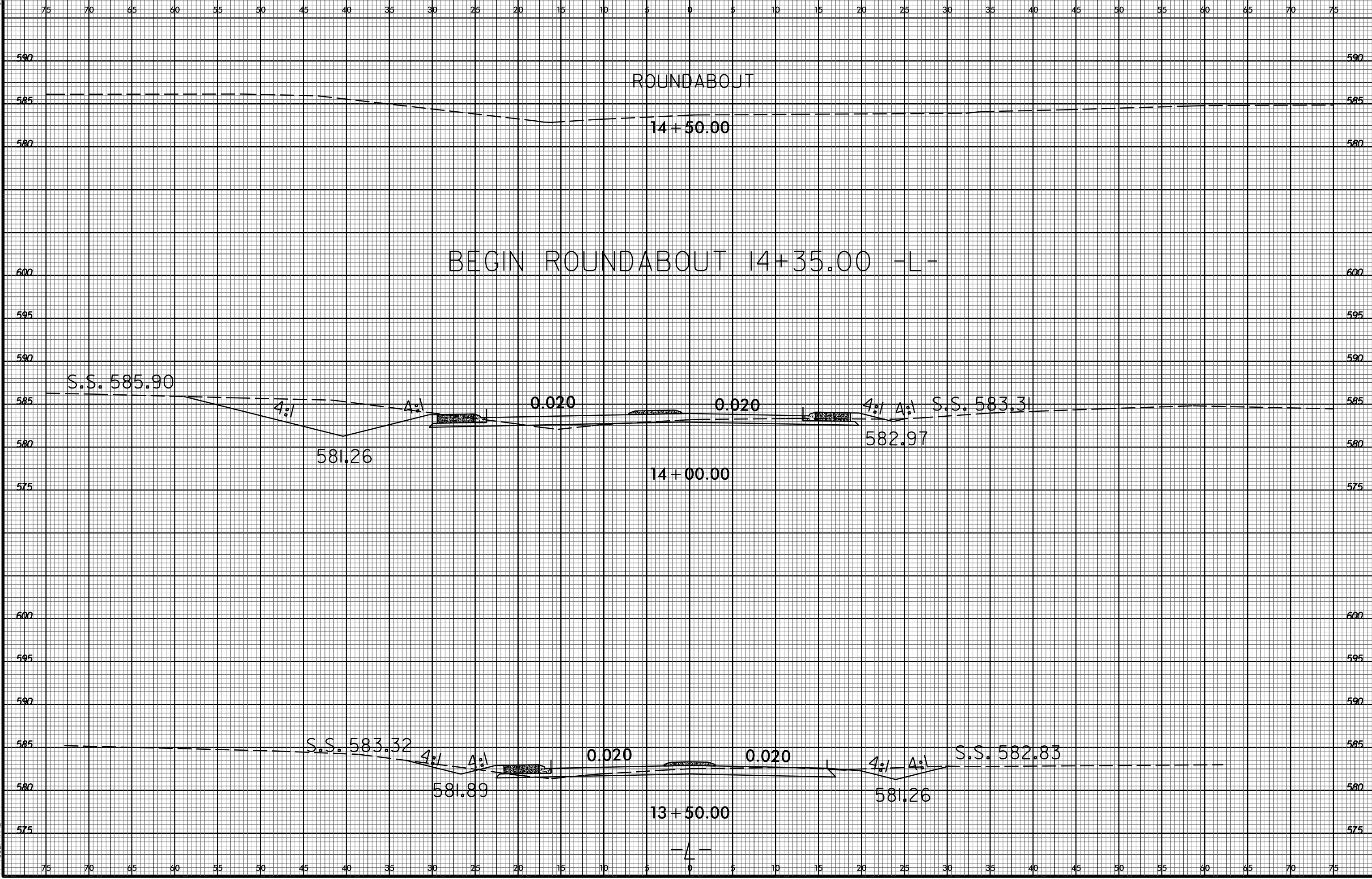


75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75



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





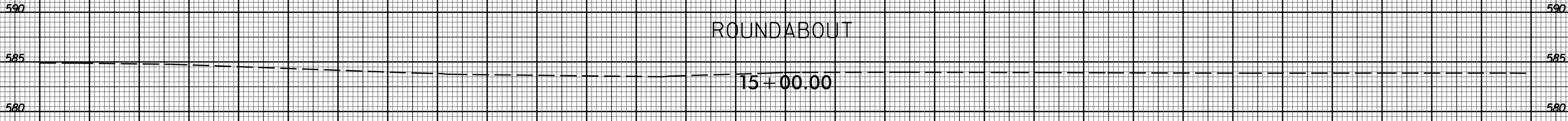
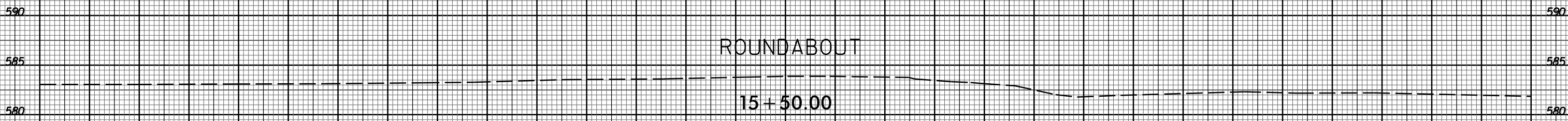
I:\MAR-2023 0912
S:\DDC\RDY\J\c\c\w-5710A1.NC 218.Stkes Mill_RAB\XSC\w-5710A1.NC 218.Stkes Mill.unl.unl.L.dgn
\$\$\$\$\$SERNAME\$\$\$\$\$



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



END ROUNDABOUT 15+65.00 -L-



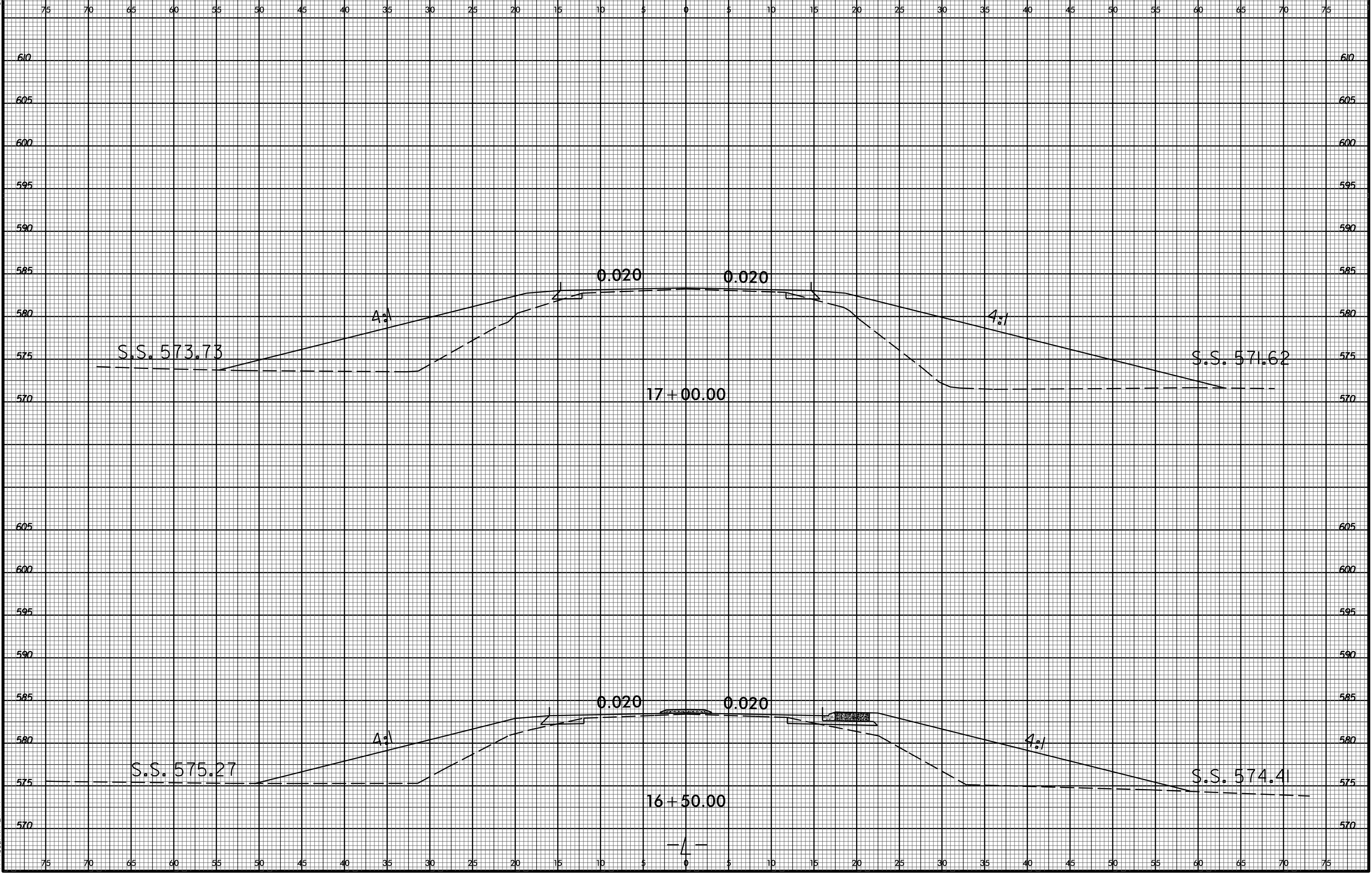
75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

6/23/16



PROJ. REFERENCE NO.
44856.3.37

SHEET NO.
X-5



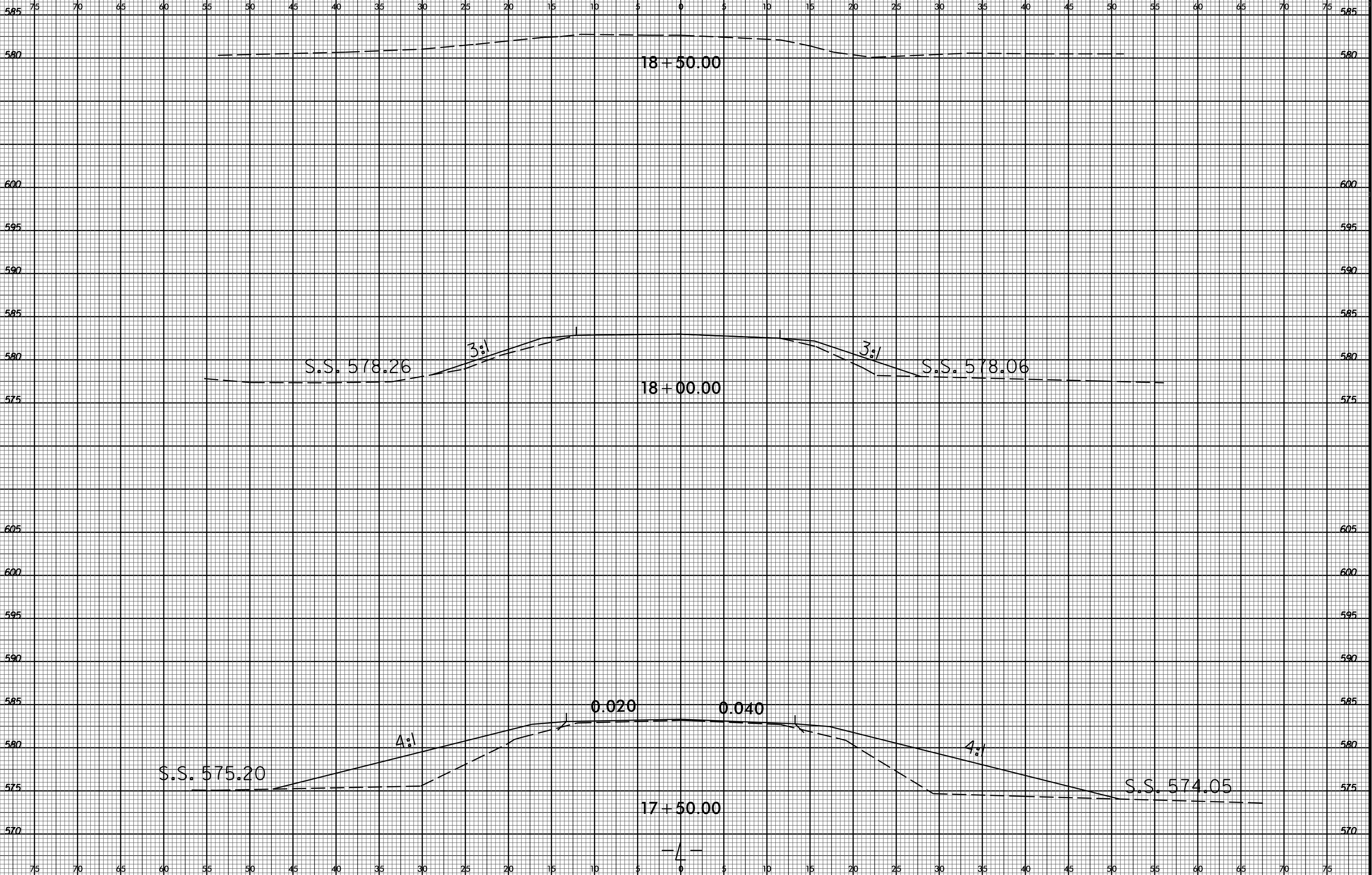
I:\MAR-2023 0913
 S:\DDC\ROY\1\1000\W-5710A1.NC 218.Sites Mill_RAB\XSC\W-5710A1.NC 218.Sites Mill.unl.unl.L.dgn
 \$\$\$USERNAME\$\$\$

6/23/16

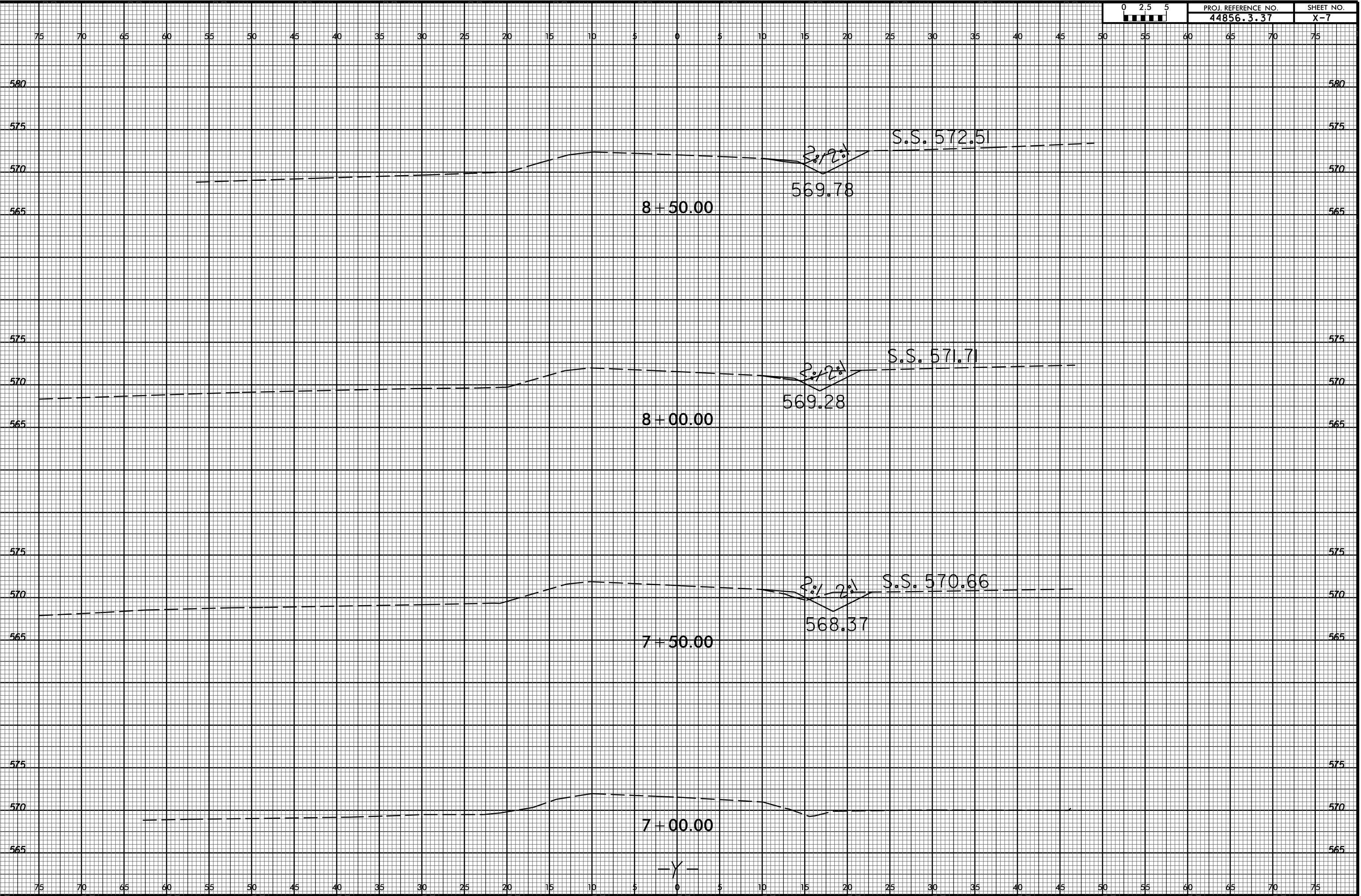


PROJ. REFERENCE NO.
44856.3.37

SHEET NO.
X-6



19-OCT-2022 08:39
S:\DDC\PROJ\UPCON\W-5710A1.NC 218.Stkes Mill_RAB\XSC\W-5710A1.NC 218.Stkes Mill.unl.unl.L.dgn
\$\$\$\$\$USERNAME\$\$\$\$\$



-Y-

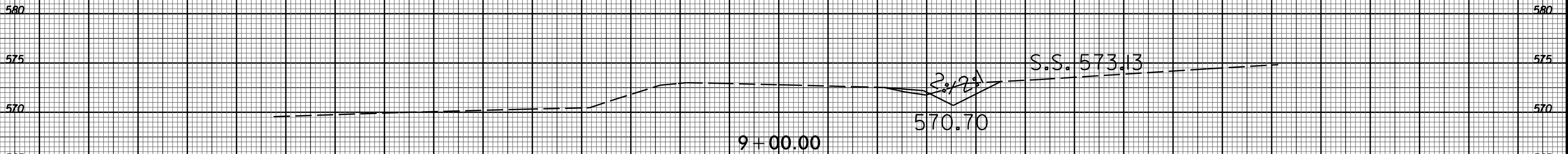
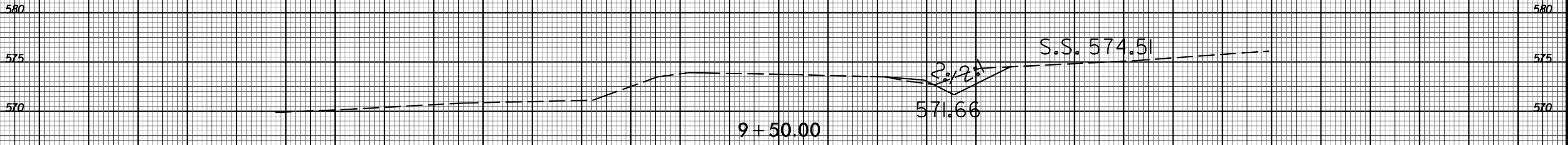
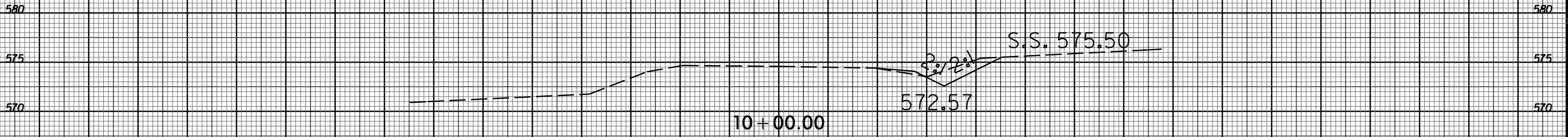
6/23/16



PROJ. REFERENCE NO.
44856.3.37

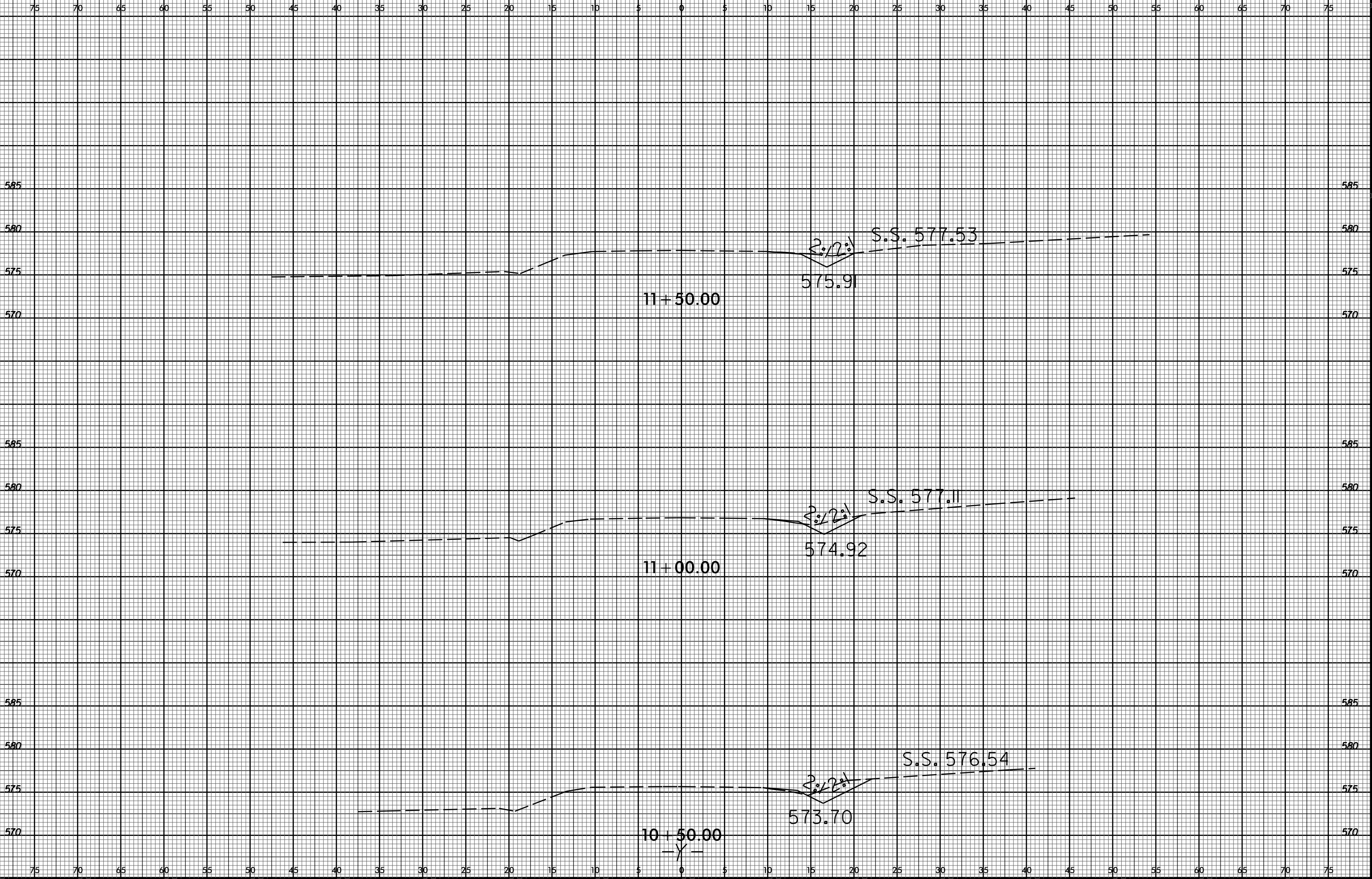
SHEET NO.
X-8

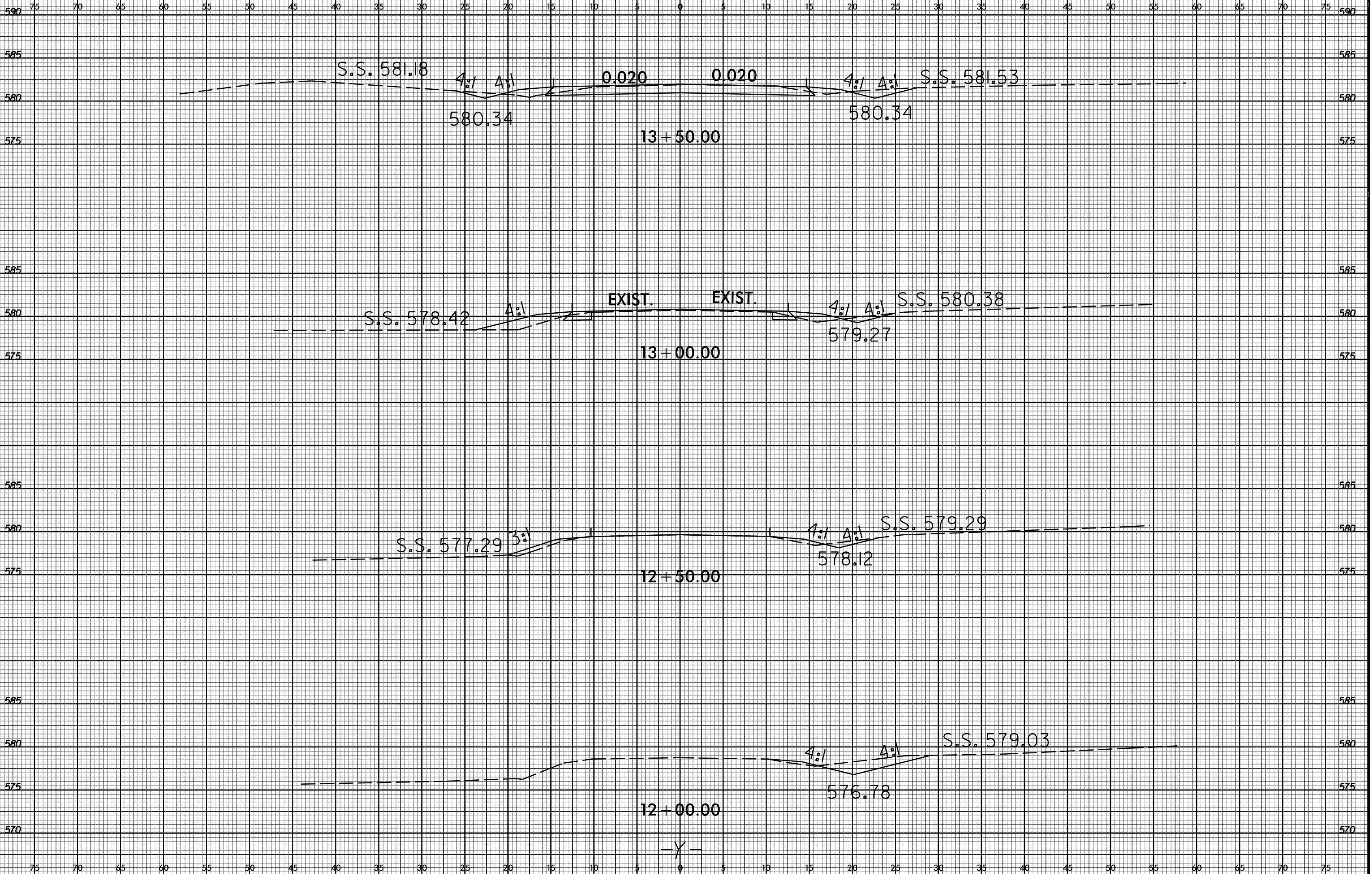
75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75



-Y-

I:\OCT-2022 08:41
S:\DDC\ROY_U\proj\w-5710A1_NC 218_Sites Mill_RAB\XSC\w-5710A1_NC 218_Sites Mill.unl_xp1_Y.dgn
\$\$\$\$\$USERNAME\$\$\$\$\$



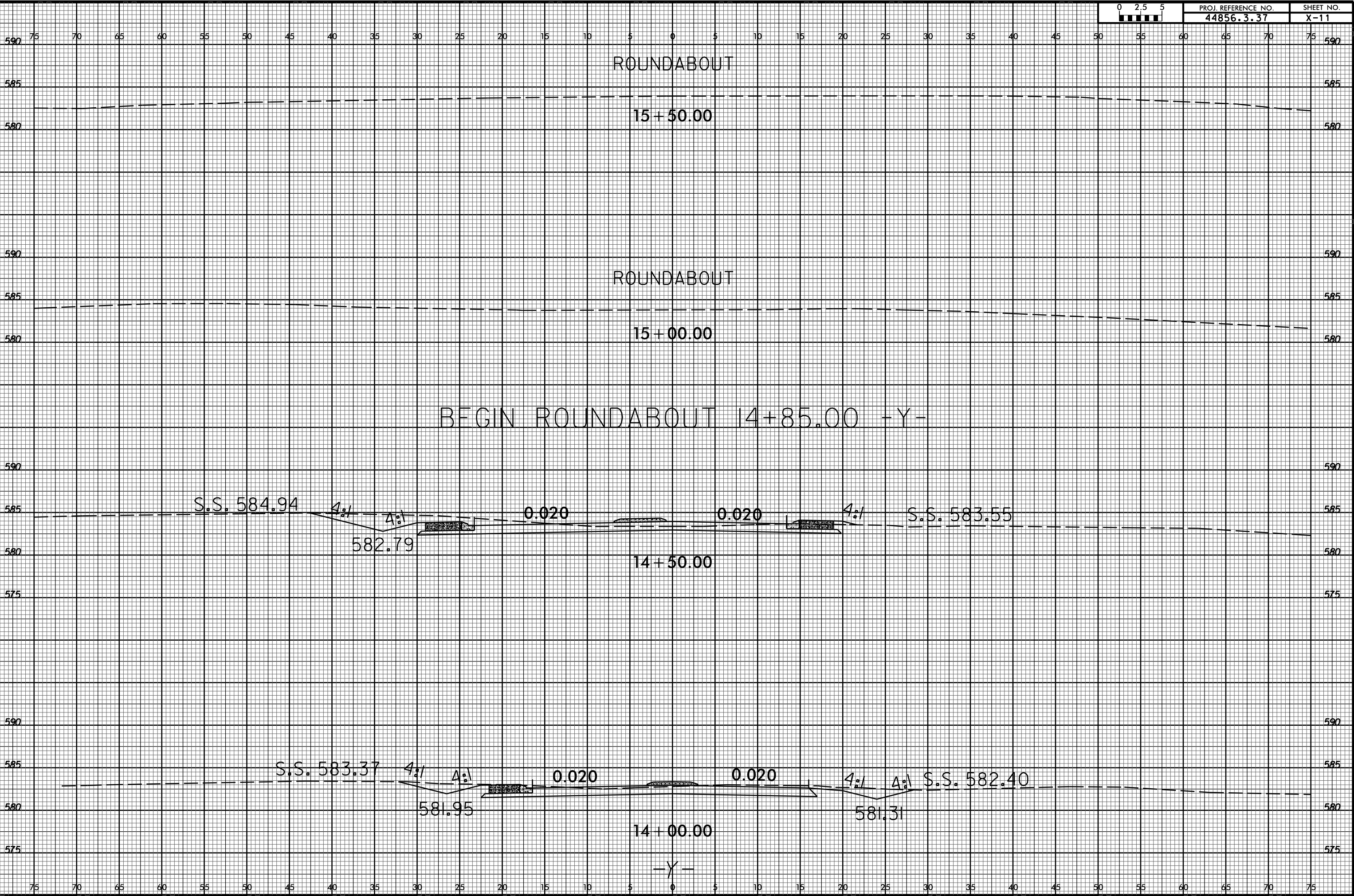


6/23/16

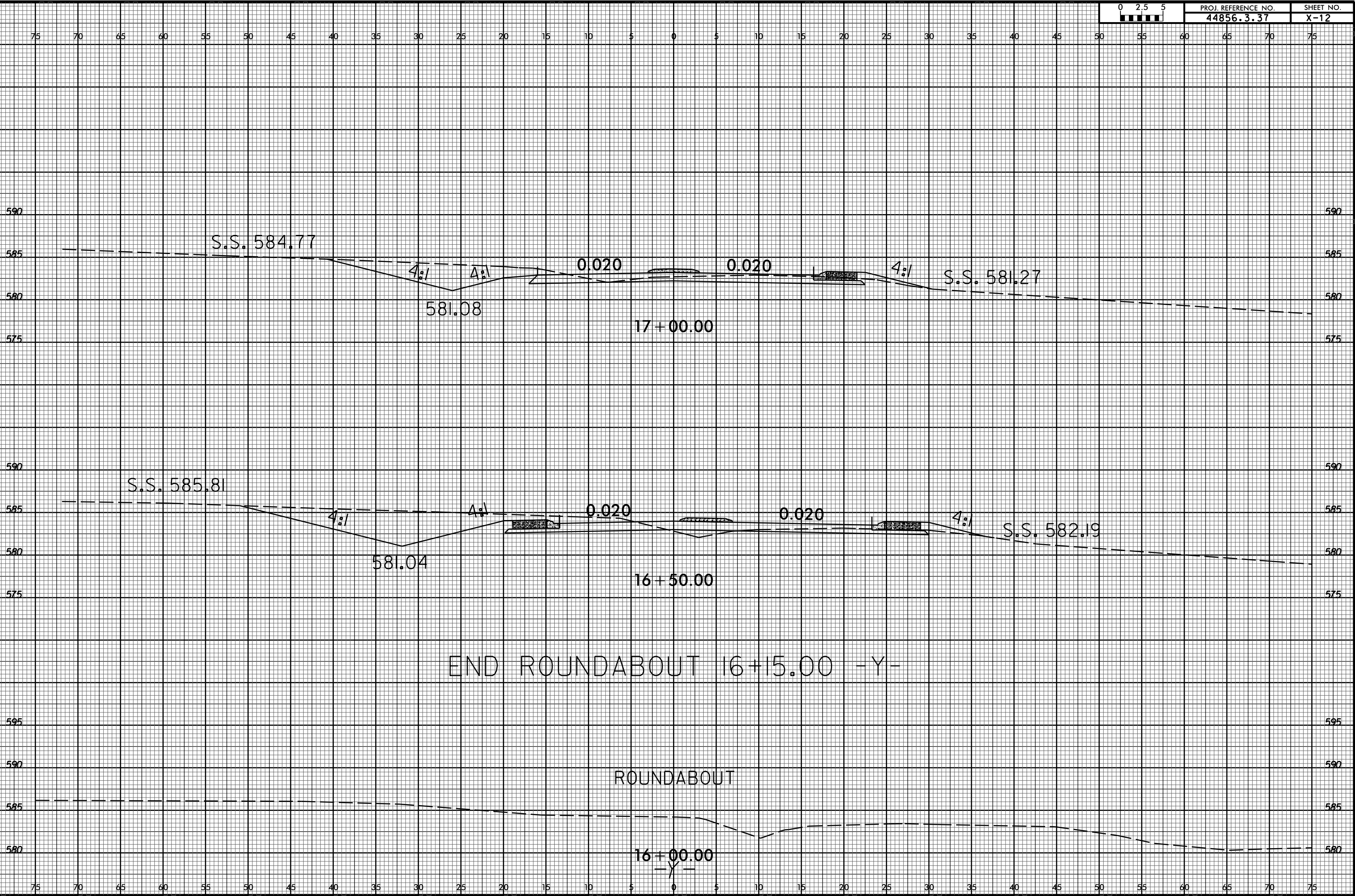


PROJ. REFERENCE NO.
44856.3.37

SHEET NO.
X-11



I:\MAR-2023 09\10
S:\DDC\ROY\Junction\W-5710A1.NC 218.Stkes Mill_RAB\XSC\W-5710A1.NC 218.Stkes Mill.unl.unl.xp.Y.dgn
\$\$\$\$\$USERNAME\$\$\$\$\$



END ROUNDABOUT 16+15.00 -Y-

ROUNDABOUT

16+00.00

