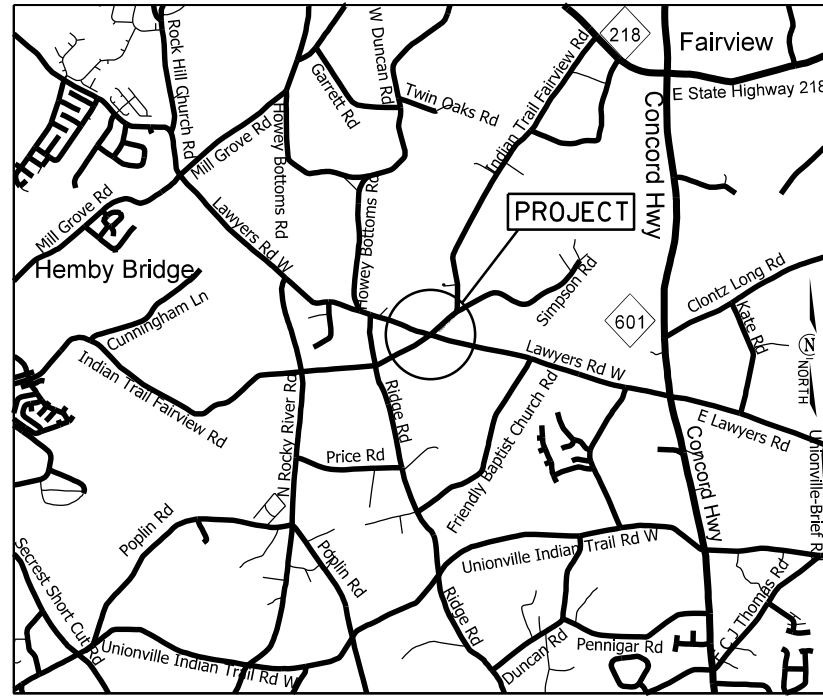


PROJECT: 44856.3.46 TIP: W-5710AR



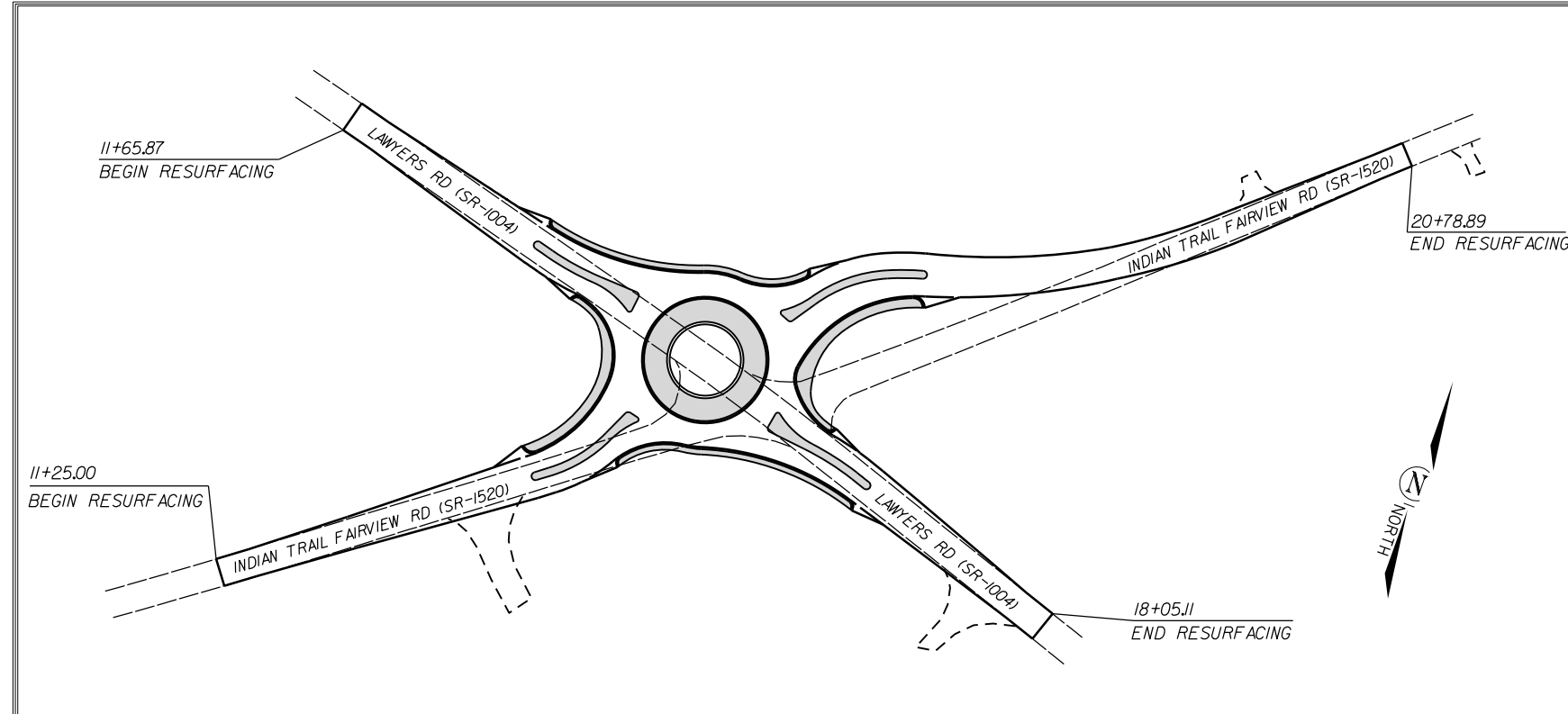
VICINITY MAP NOT TO SCALE

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
UNION COUNTY

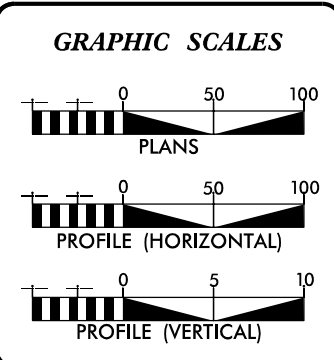
LOCATION: LAWYERS RD (SR-1004) AND INDIAN TRAIL-FAIRVIEW RD (SR-1532) NEAR FAIRVIEW

TYPE OF WORK: GRADING, DRAINAGE, CONCRETE CURB AND GUTTER, CONCRETE MONOLITHIC ISLANDS, MILLING, PAVING, AND THERMOPLASTIC PAVEMENT MARKING

| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|-----------------|-----------------------------|-------------|--------------|
| N.C. | W-5710AR | 1 | |
| STATE PROJ. NO. | F.A. PROJ. NO. | DESCRIPTION | |
| 44856.1.46 | HSIP-1004(072) | P.E. | |
| 44856.2.46 | HSIP-1004(072) | R/W | |
| 44856.3.46 | HSIP-1004(072) | CONST. | |



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 |

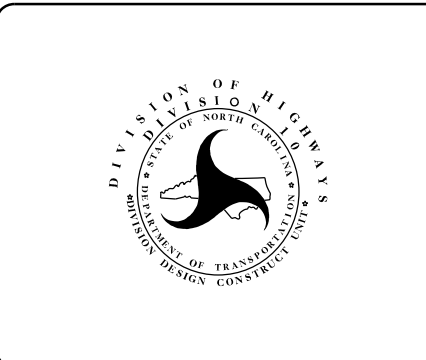
PROJECT LENGTH

| | | | | |
|-------------------------------|------------|---|------|-------|
| LENGTH OF ROADWAY PROJECT | 1593.13 FT | = | 0.30 | MILES |
| TOTAL LENGTH OF STATE PROJECT | 1593.13 FT | = | 0.30 | MILES |

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

2018 STANDARD SPECIFICATIONS

| | |
|---|---|
| RIGHT OF WAY DATE: SEPTEMBER 21, 2022 | DONALD HARWARD PROJECT ENGINEER |
| LETTING DATE: MAY 12, 2023 | CHAD BURRIS PROJECT DESIGN ENGINEER |



ROADWAY DESIGN ENGINEER
03/29/2023

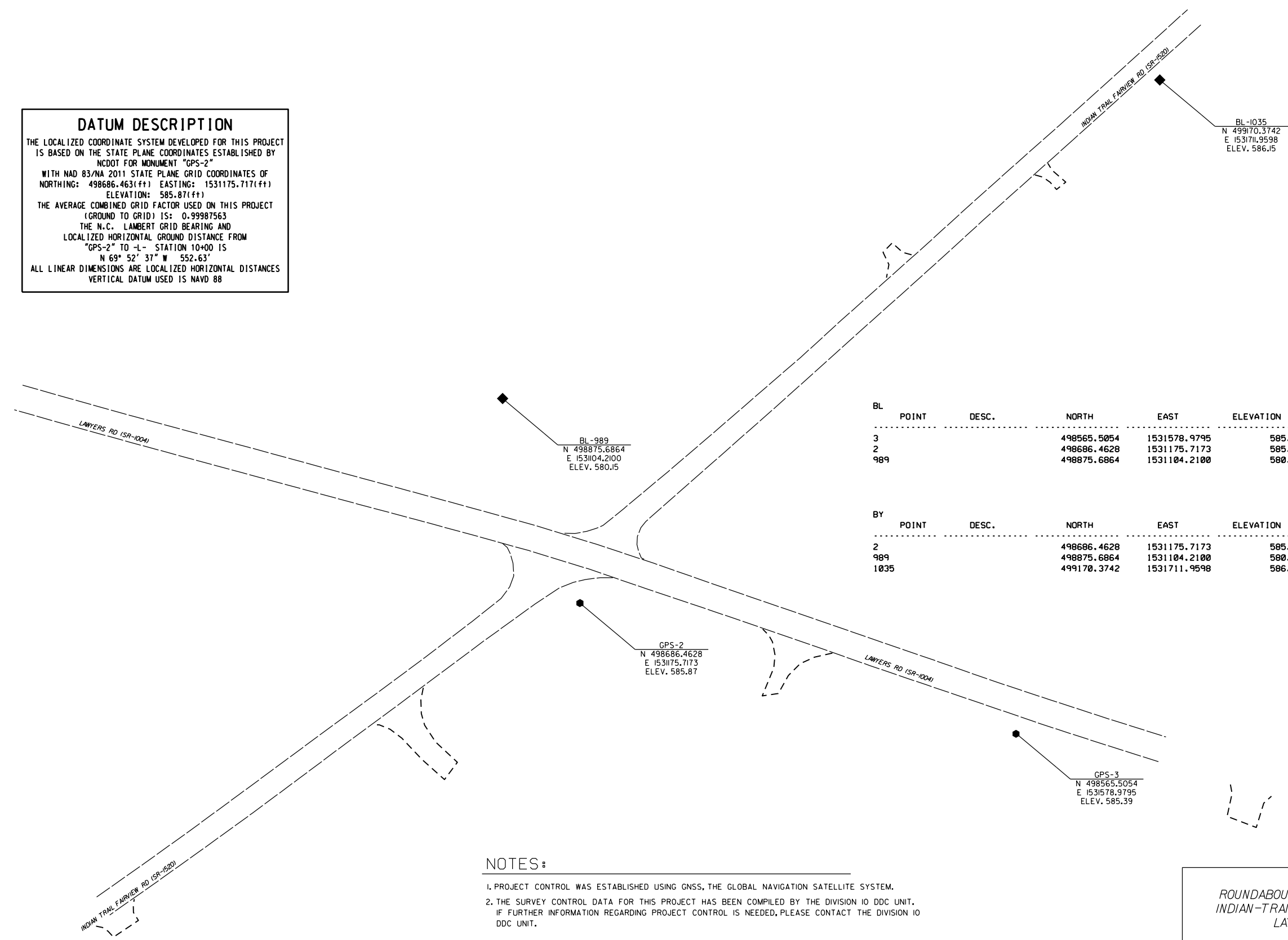
DocuSigned by:
Travis Preslar

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-2" WITH NAD 83/NA 2011 STATE PLANE GRID COORDINATES OF NORTHING: 498686.463(±) EASTING: 1531175.717(±) ELEVATION: 585.87(±) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99987563 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "GPS-2" TO -L- STATION 10+00 IS N 69° 52' 37" W 552.63' ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88



| BL POINT | DESC. | NORTH | EAST | ELEVATION | L STATION | OFFSET |
|----------|-------|-------------|--------------|-----------|-----------|-----------|
| 3 | | 498565.5054 | 1531578.9795 | 585.39 | 19+73.99 | 28.11 RT |
| 2 | | 498686.4628 | 1531175.7173 | 585.87 | 15+53.04 | 44.26 RT |
| 989 | | 498875.6864 | 1531104.2100 | 580.15 | 14+32.84 | 116.69 LT |

| BY POINT | DESC. | NORTH | EAST | ELEVATION | Y STATION | OFFSET |
|----------|-------|-------------|--------------|-----------|-----------|----------|
| 2 | | 498686.4628 | 1531175.7173 | 585.87 | 14+98.03 | 76.43 RT |
| 989 | | 498875.6864 | 1531104.2100 | 580.15 | 16+06.22 | 98.64 LT |
| 1035 | | 499170.3742 | 1531711.9598 | 586.15 | 22+55.11 | 21.87 RT |

- 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
INDIAN-TRAIL FAIRVIEW RD (SR-1520) AND
LAYWERS RD (SR-1004)

| | | | |
|-----------|--------|--|-----------|
| SCALE | 1"=50' | | REVISIONS |
| DATE | 5-2022 | | |
| DWG. BY | CEB | | |
| DESIGN BY | JDH | | |
| APPROVED | JDH | | |

RIGHT OF WAY, EASEMENT AND PROPOSED ALIGNMENT SHEET

L

| TYPE | STATION | NORTH | EAST |
|------|----------|-------------|--------------|
| PC | 10+00.00 | 498976.5890 | 1530656.8197 |
| PRC | 14+85.00 | 498749.5941 | 1531124.8917 |
| PRC | 17+82.42 | 498654.3285 | 1531406.6324 |
| PT | 21+06.81 | 498551.1632 | 1531714.1662 |

PERMANENT DRAINAGE EASEMENT

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|---------|-------------|--------------|
| Y | 16+37.00 | -34.94 | 498958.6328 | 1531174.5071 |
| Y | 16+24.00 | -38.67 | 498849.5436 | 1531161.0345 |
| Y | 16+50.00 | -100.00 | 498921.8092 | 1531148.3678 |
| Y | 16+40.00 | -104.00 | 498912.1708 | 1531130.6166 |

Y

| TYPE | STATION | NORTH | EAST |
|------|----------|-------------|--------------|
| PC | 10+00.00 | 498406.8871 | 1530735.8071 |
| PT | 11+67.04 | 498504.2977 | 1530871.4894 |
| PC | 13+81.83 | 498632.4615 | 1531043.8560 |
| PT | 14+21.11 | 498661.2291 | 1531070.2599 |
| POT | 15+25.00 | 498749.5941 | 1531124.8917 |
| PC | 16+28.89 | 498827.7435 | 1531193.3436 |
| PCC | 16+76.19 | 498855.1456 | 1531231.4013 |
| PRC | 17+03.26 | 498863.8839 | 1531257.0017 |
| PT | 19+38.89 | 498975.1653 | 1531462.2200 |
| POT | 23+17.58 | 499228.4118 | 1531743.7820 |

ROW MARKER, IRON PIN AND CAP

| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| Y | 13+75.00 | -30.00 | 498652.4606 | 1531020.4748 |
| Y | 14+40.00 | -40.00 | 498698.3303 | 1531046.1704 |
| Y | 16+00.00 | -45.00 | 498835.6620 | 1531140.4579 |
| Y | 16+70.00 | -34.00 | 498883.1085 | 1531210.7872 |
| Y | 18+60.00 | -24.09 | 498947.4644 | 1531386.5608 |
| Y | 14+65.00 | 57.57 | 498668.2836 | 1531142.3107 |

ROW MARKER, IRON PIN AND CAP

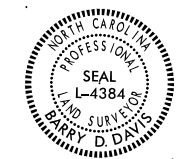
| ALIGN | STATION | OFFSET | NORTH | EAST |
|-------|----------|--------|-------------|--------------|
| L | 14+10.00 | 42.00 | 498728.0871 | 1531041.6144 |
| L | 13+45.00 | 30.00 | 498756.4154 | 1530981.8009 |
| L | 17+60.00 | -30.00 | 498690.0883 | 1531395.4359 |
| L | 16+25.00 | -37.00 | 498740.7981 | 1531269.6669 |
| L | 16+11.31 | -50.00 | 498757.5038 | 1531260.7858 |
| L | 13+00.00 | -30.00 | 498826.0235 | 1530953.8776 |
| L | 13+88.00 | -40.00 | 498812.9869 | 1531041.3658 |
| L | 16+00.00 | 40.00 | 498675.7653 | 1531221.4534 |
| L | 16+65.00 | 30.00 | 498664.4941 | 1531286.0293 |

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 4th 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 10 DDC UNIT. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE DIVISION 10 DDC UNIT.

ROUNDABOUT AT THE INTERSECTION OF
INDIAN-TRAIL FAIRVIEW RD (SR-1520) AND
LAWYERS RD (SR-1004)

| | | | |
|-----------|--------|--|-----------|
| SCALE | N/A | | REVISIONS |
| DATE | 5-2022 | | |
| DWG. BY | CEB | | |
| DESIGN BY | JDH | | |
| 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).

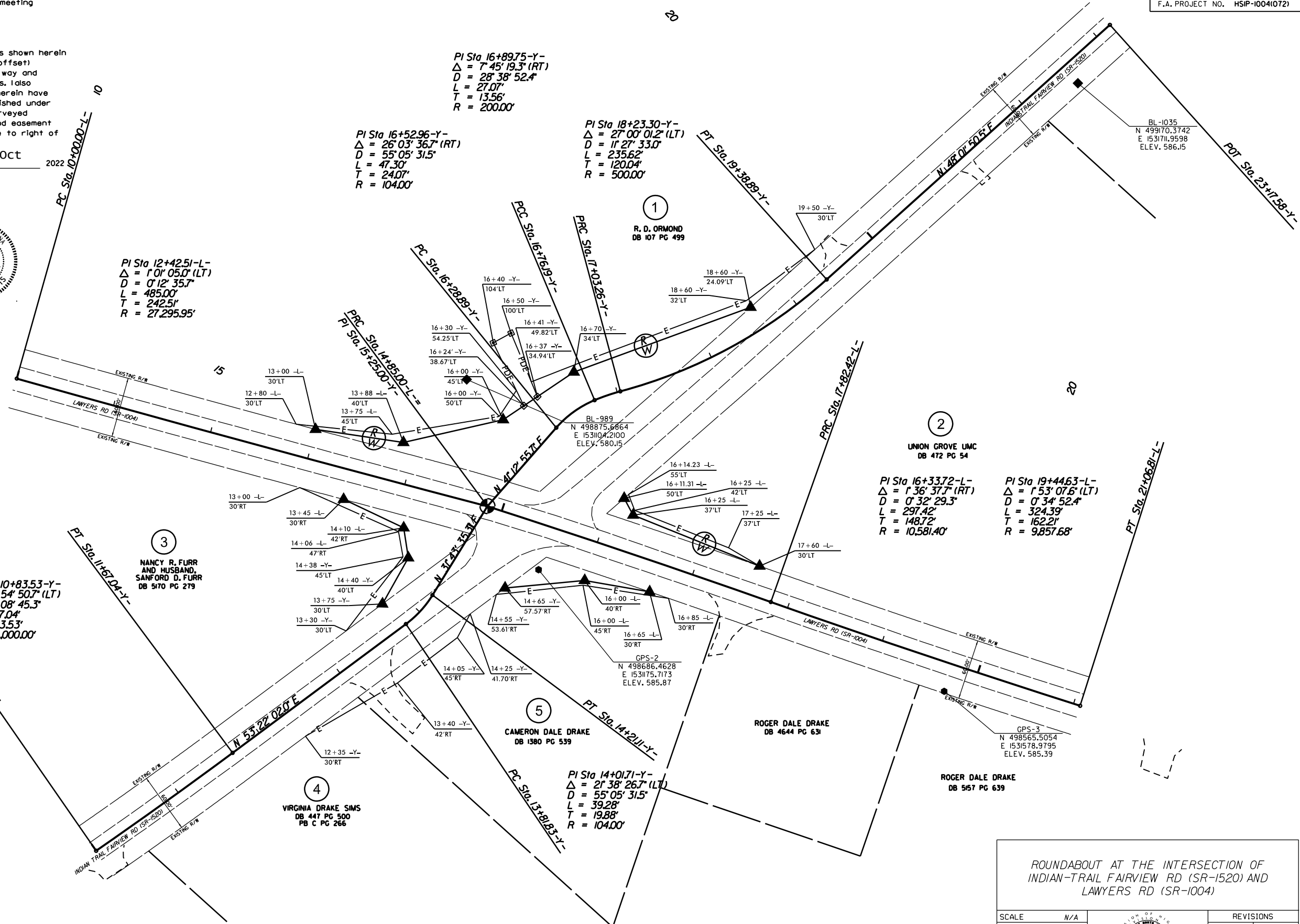
Witness my signature, registration number and seal this 4th day of Oct 2022

Barry D. Davis, Professional Land Surveyor PLS# L-4384

DocuSigned by:
Barry Davis
0E2AAE4F48174DC...



| | |
|--------------------------------|-----------|
| PROJECT NO. | SHEET NO. |
| 44856.3.46 | IC |
| F.A. PROJECT NO. HSP-10041072) | |



PI Sta 16+89.75-Y-
Δ = 7° 45' 19.3" (RT)
D = 28° 38' 52.4"
L = 27.07'
T = 13.56'
R = 200.00'

PI Sta 16+52.96-Y-
Δ = 26° 03' 36.7" (RT)
D = 55° 05' 31.5"
L = 47.30'
T = 24.07'
R = 104.00'

PI Sta 18+23.30-Y-
Δ = 27° 00' 01.2" (LT)
D = 11° 27' 33.0"
L = 235.62'
T = 120.04'
R = 500.00'

PI Sta 12+42.51-L-
Δ = 1° 01' 05.0" (LT)
D = 0° 12' 35.7"
L = 485.00'
T = 242.51'
R = 27,295.95'

PI Sta 10+83.53-Y-
Δ = 1° 54' 50.7" (LT)
D = 1° 08' 45.3"
L = 167.04'
T = 83.53'
R = 5,000.00'

PI Sta 16+33.72-L-
Δ = 1° 36' 37.7" (RT)
D = 0° 32' 29.3"
L = 297.42'
T = 148.72'
R = 10,581.40'

PI Sta 19+44.63-L-
Δ = 1° 53' 07.6" (LT)
D = 0° 34' 52.4"
L = 324.39'
T = 162.21'
R = 9,857.68'

PI Sta 14+01.71-Y-
Δ = 21° 38' 26.7" (LT)
D = 55° 05' 31.5"
L = 39.28'
T = 19.88'
R = 104.00'

EMMA ROSE FARMS, LLC
DB 6713 PG 768

VIRGINIA DRAKE SIMS
DB 447 PG 500
PB C PG 266

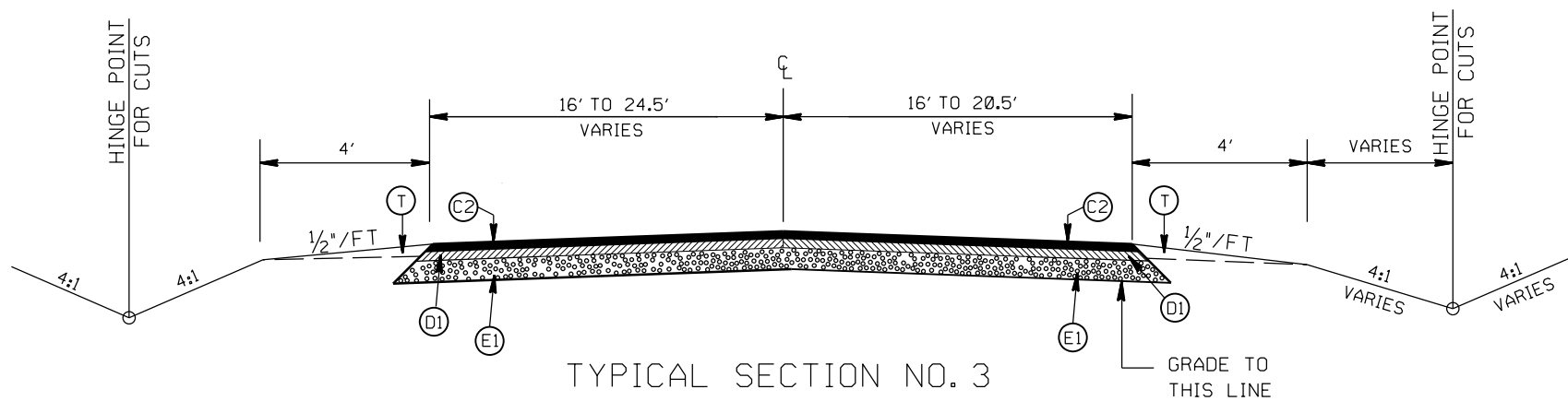
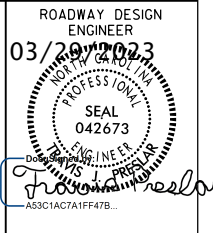
CAMERON DALE DRAKE
DB 1380 PG 539

ROGER DALE DRAKE
DB 4644 PG 631

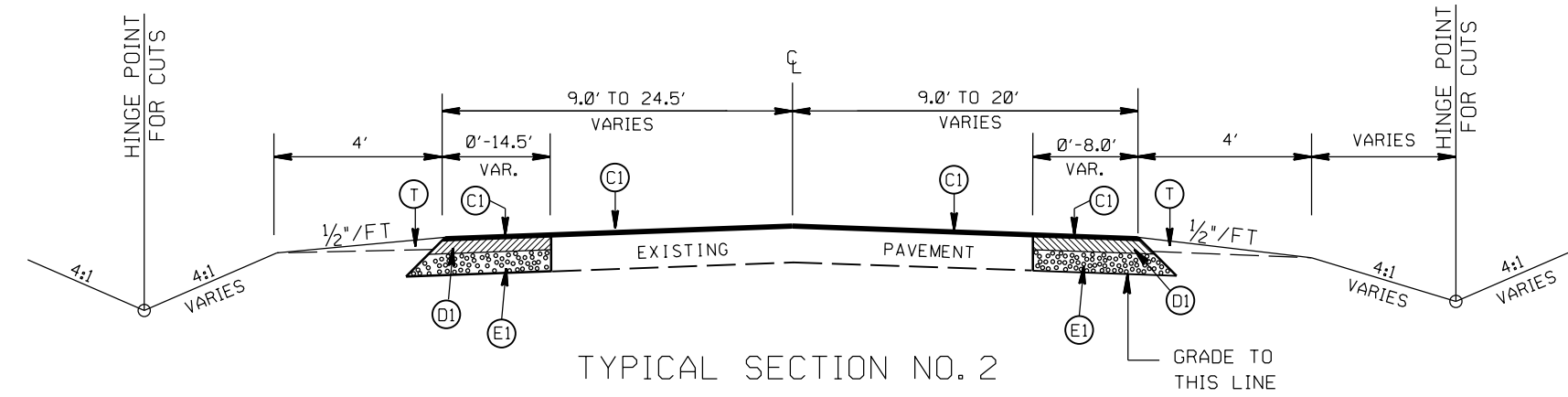
ROGER DALE DRAKE
DB 5157 PG 639

ROUNDABOUT AT THE INTERSECTION OF
INDIAN-TRAIL FAIRVIEW RD (SR-1520) AND
LAWYERS RD (SR-1004)

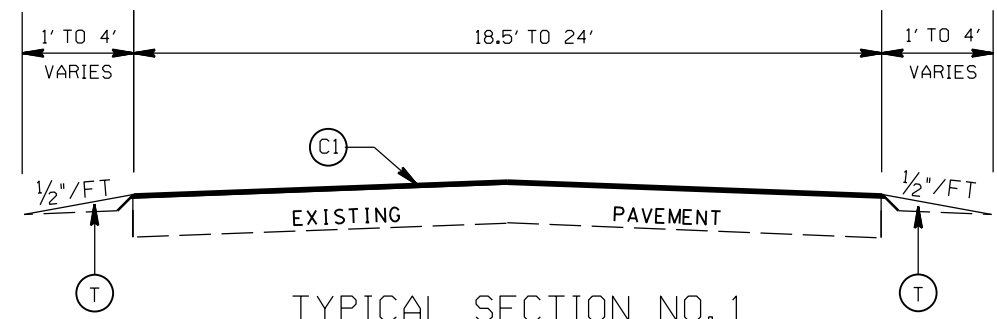
| | | | |
|-----------|--------|--|-----------|
| SCALE | N/A | | REVISIONS |
| DATE | 5-2022 | | |
| DWG. BY | CEB | | |
| DESIGN BY | JDH | | |
| APPROVED | JDH | | |



TYPICAL SECTION NO. 3
 STA. 13+30.00 TO 13+30.87 -L-
 STA. 16+40.11 TO 16+45.00 -L-



TYPICAL SECTION NO. 2
 STA. 11+90.87 TO 13+30.00 -L-
 STA. 16+45.00 TO 17+80.11 -L-
 STA. 11+50.00 TO 13+67.50 -Y-
 STA. 19+05.00 TO 20+53.89 -Y-



TYPICAL SECTION NO. 1
 STA. 11+65.87 TO 11+90.87 -L-
 STA. 17+80.11 TO 18+05.11 -L-
 STA. 11+25.00 TO 11+50 -Y-
 STA. 20+53.89 TO 20+78.89 -Y-

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

PAVEMENT SCHEDULE

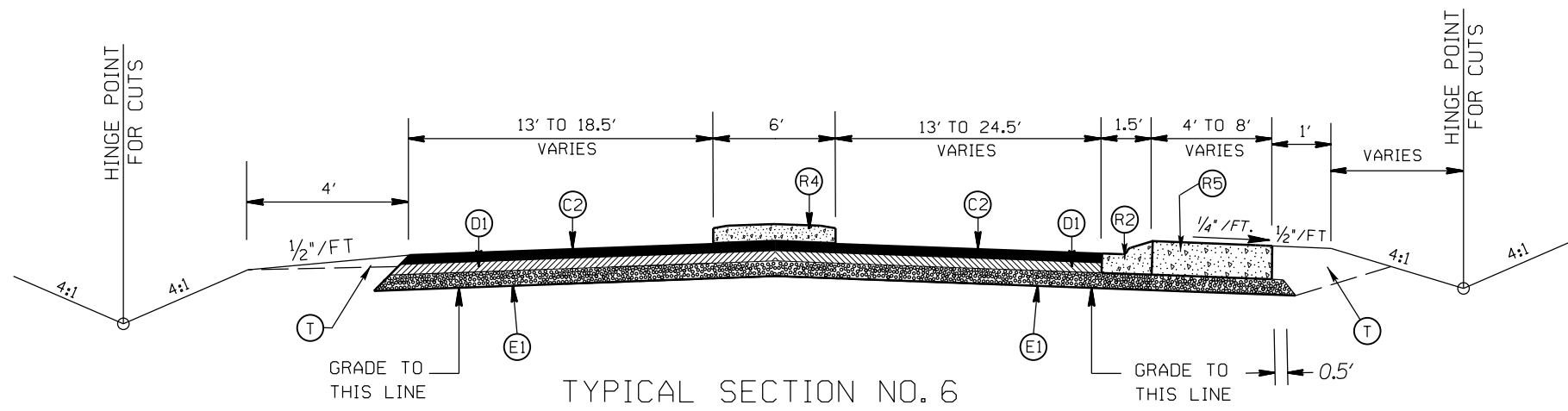
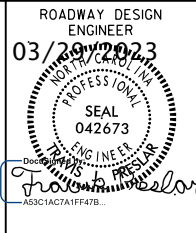
| | |
|------|--|
| (C1) | PROP. APPROX. 1 1/2" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. |
| (C2) | PROP. APPROX. 3" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS. |
| (D1) | PROP. APPROX. 4" ASPHALT 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. |
| (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 |

ROUNDABOUT AT THE INTERSECTION OF
 INDIAN-TRAIL FAIRVIEW RD (SR-1520) AND
 LAWYERS RD (SR-1004)

| | |
|-----------|--------|
| SCALE | N/A |
| DATE | 5-2022 |
| DWG. BY | CEB |
| DESIGN BY | JDH |
| APPROVED | JDH |



| REVISIONS | |
|-----------|--|
| | |
| | |
| | |

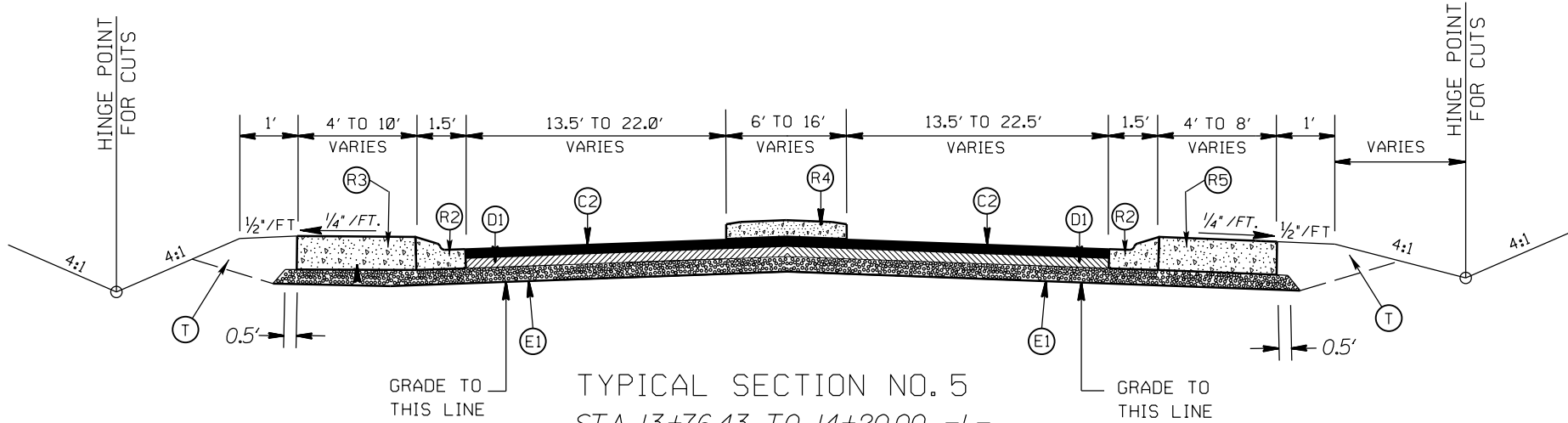


TYPICAL SECTION NO. 6
 STA. 15+93.52 TO 16+40.11 -L-
 STA. 16+25.68 TO 17+05.70 -Y-

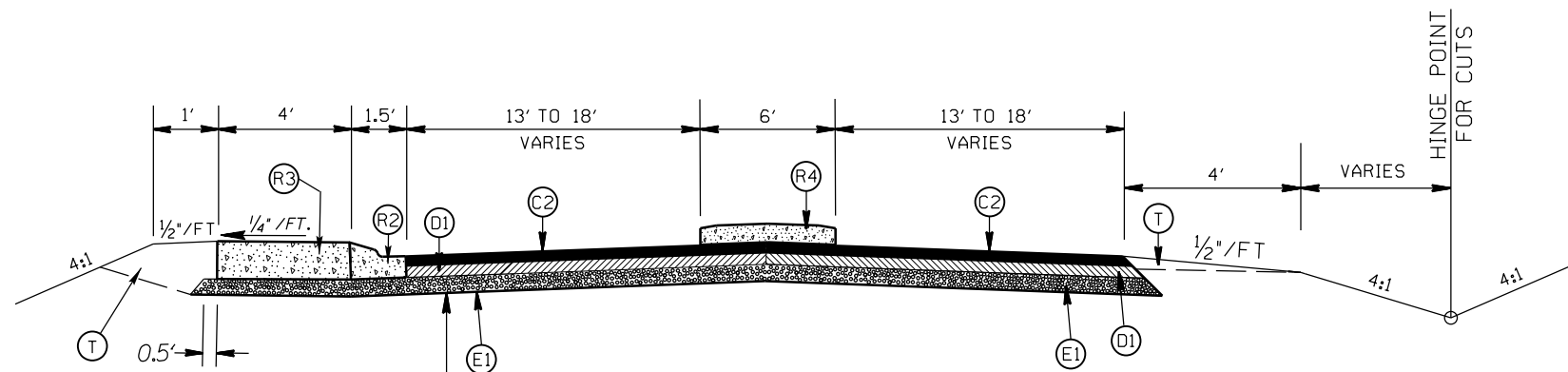
-UTILIZE WELDED WIRE MESH (EITHER 4X4 W3.5XW3.5 OR 6X6 W5XW5)
 IN PROP. 12" TRUCK MOUNTABLE CONCRETE ISLAND
 -OVERLAP WELDED WIRE MESH PANELS 4"

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. |
| (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 |



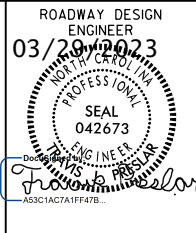
TYPICAL SECTION NO. 5
 STA. 13+76.43 TO 14+20.00 -L-
 STA. 15+50.00 TO 15+93.52 -L-
 STA. 14+24.42 TO 14+60.00 -Y-
 STA. 15+90.00 TO 16+25.68 -Y-



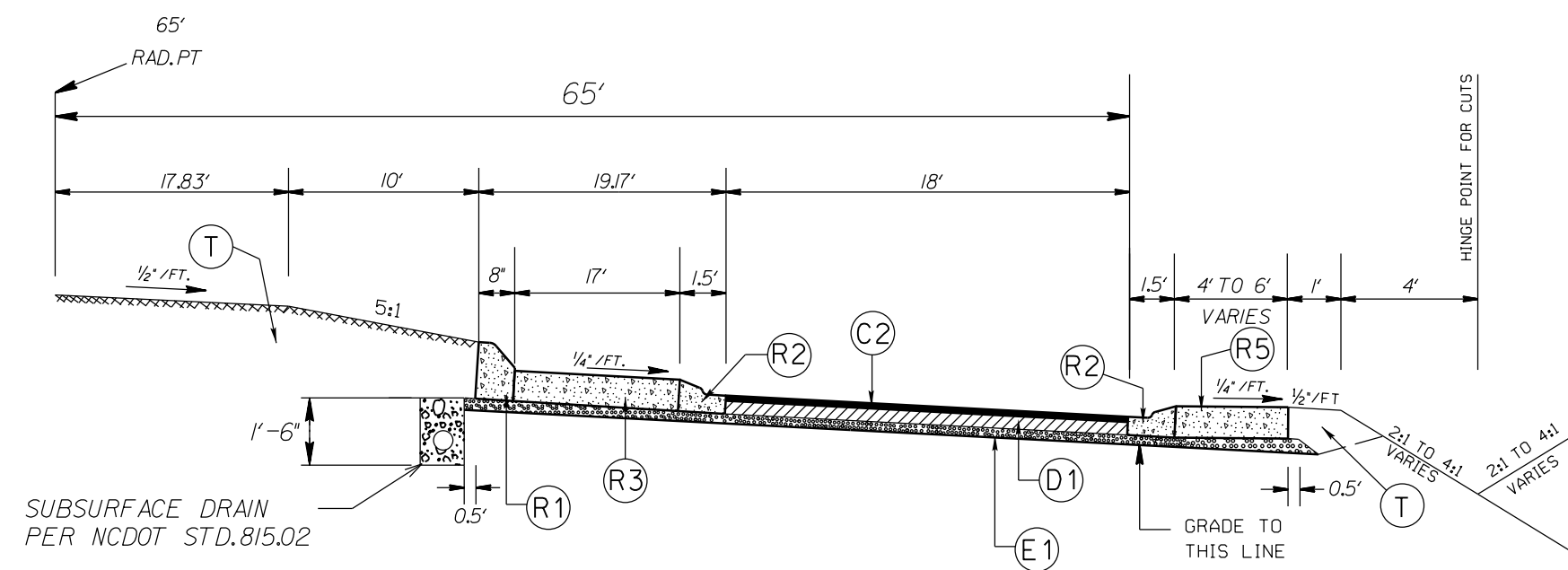
TYPICAL SECTION NO. 4
 STA. 13+30.87 TO 13+76.43 -L-
 STA. 13+67.50 TO 14+24.42 -Y-

ROUNDABOUT AT THE INTERSECTION OF
 INDIAN-TRAIL FAIRVIEW RD (SR-1520) AND
 LAWYERS RD (SR-1004)

| | | | |
|-----------|--------|--|-----------|
| SCALE | N/A | | REVISIONS |
| DATE | 5-2022 | | |
| DWG. BY | CEB | | |
| DESIGN BY | JDH | | |
| APPROVED | JDH | | |



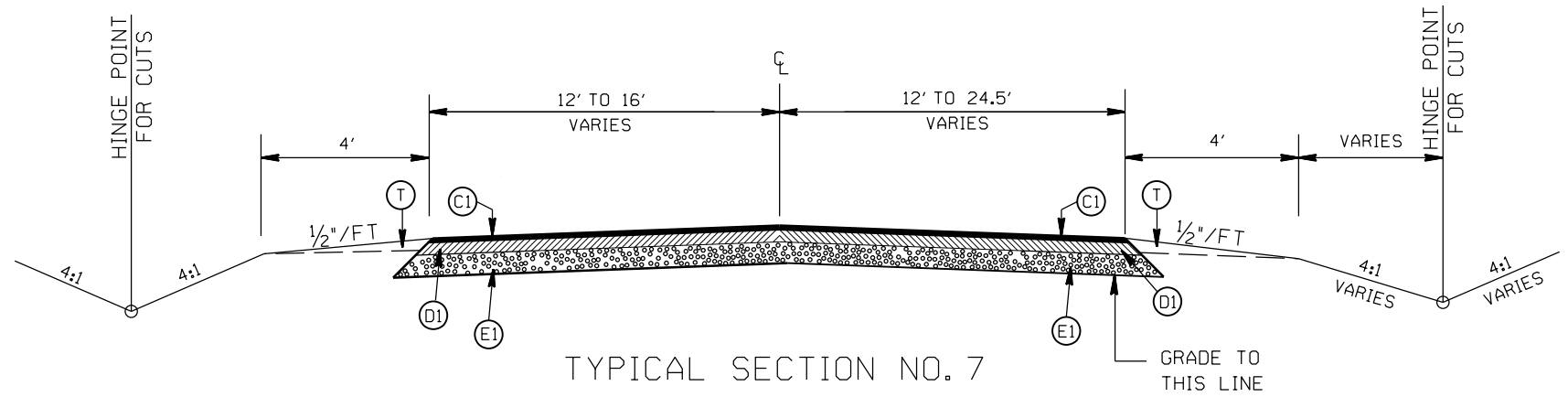
-UTILIZE WELDED WIRE MESH (EITHER 4X4 W3.5XW3.5 OR 6X6 W5XW5)
 IN PROP. 12" TRUCK MOUNTABLE CONCRETE ISLAND
 -OVERLAP WELDED WIRE MESH PANELS 4"



TYPICAL SECTION NO. 8
 ROUNDABOUT

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. |
| (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 |



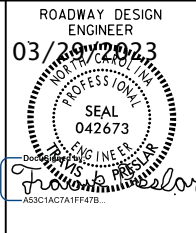
TYPICAL SECTION NO. 7
 STA. 17+05.70 TO 19+05.00 -Y-

ROUNDABOUT AT THE INTERSECTION OF
 INDIAN-TRAIL FAIRVIEW RD (SR-1520) AND
 LAWYERS RD (SR-1004)

| | |
|-----------|--------|
| SCALE | N/A |
| DATE | 5-2022 |
| DWG. BY | CEB |
| DESIGN BY | JDH |
| APPROVED | JDH |



| REVISIONS | |
|-----------|--|
| | |
| | |
| | |

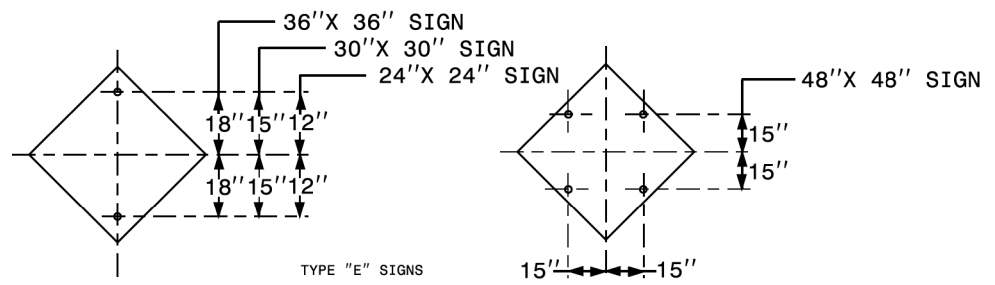


STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

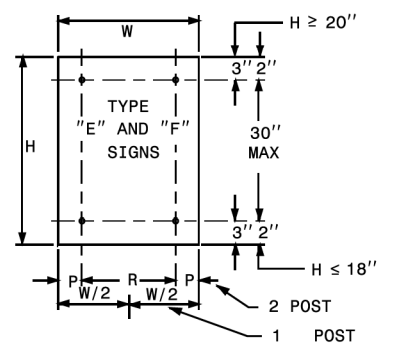
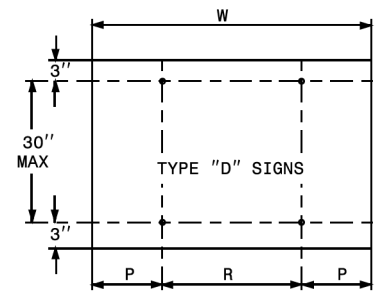
1-12

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

SHEET 2 OF 2
904.50



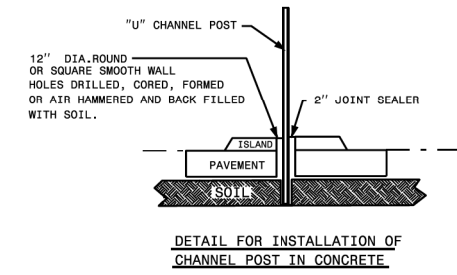
TYPE "E" SIGNS



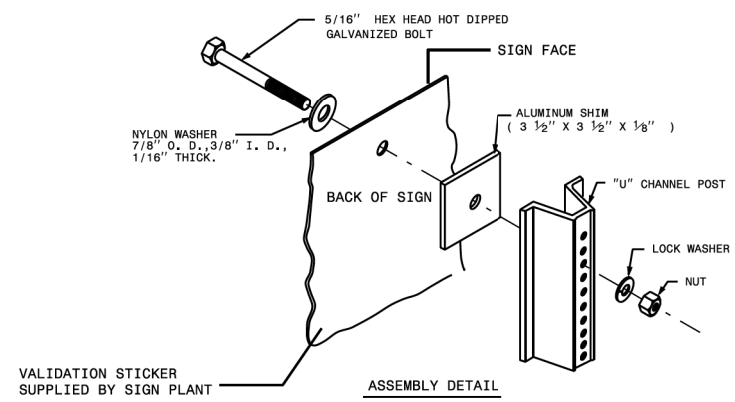
| | NO. SUPPORTS | | |
|---|--------------|-------|-------|
| | 2 | 3 * | 4 |
| P | .207W | .145W | .107W |
| R | .586W | .355W | .262W |

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

HOLE PUNCHING DETAIL



DETAIL FOR INSTALLATION OF CHANNEL POST IN CONCRETE



ASSEMBLY DETAIL

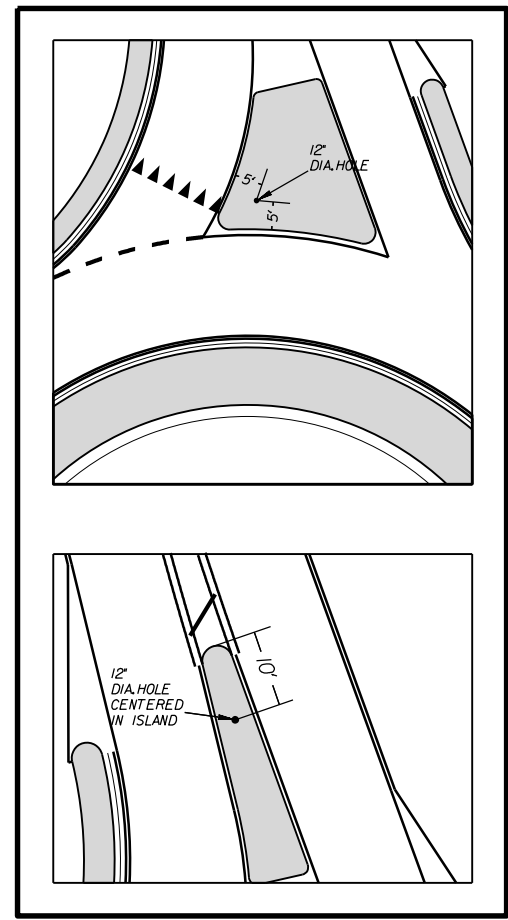
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

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

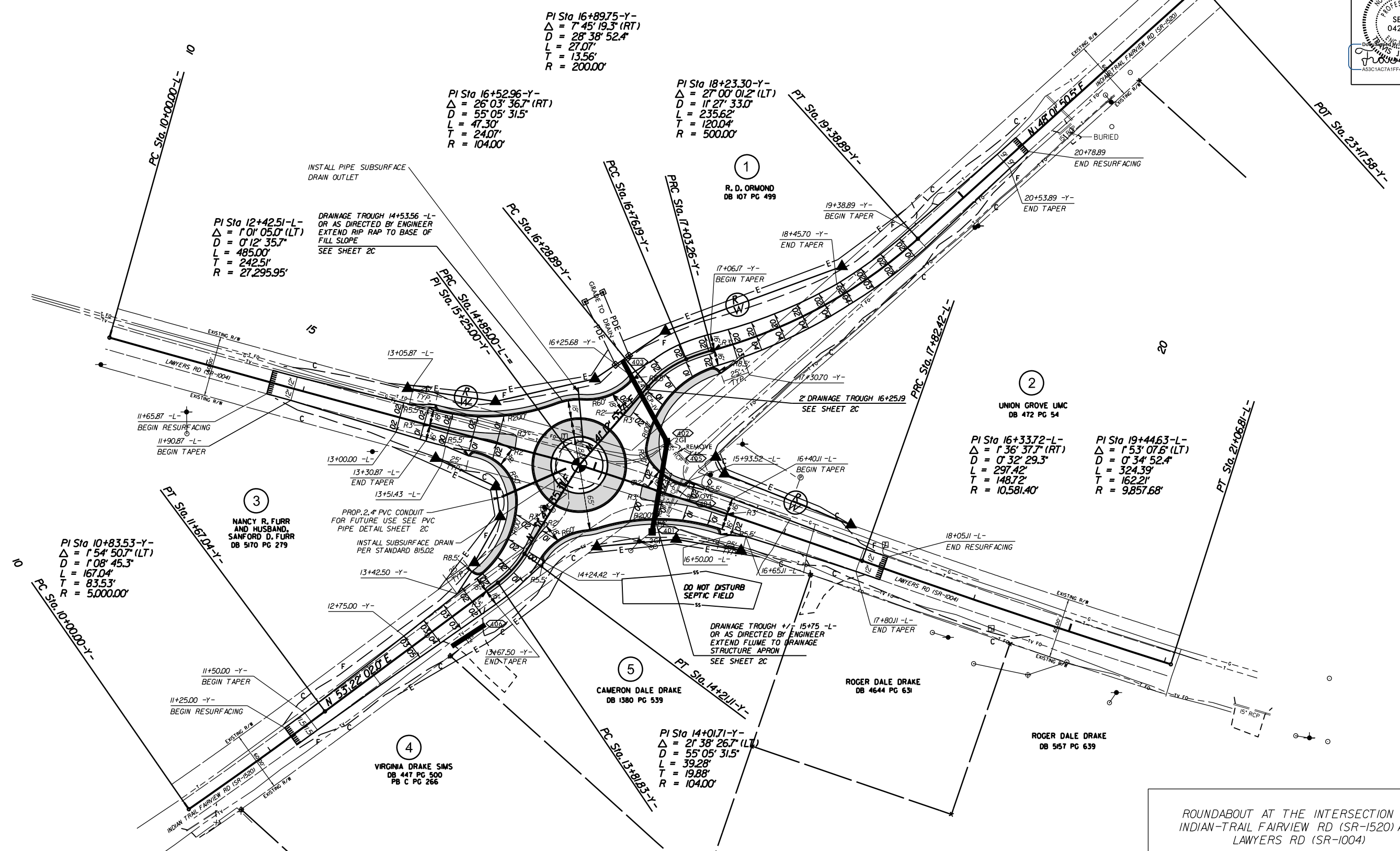
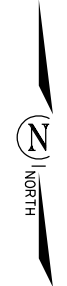
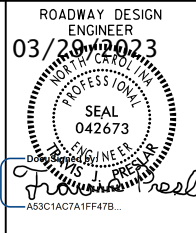


ROUNDABOUT AT THE INTERSECTION OF INDIAN-TRAIL FAIRVIEW RD (SR-1520) AND LAWYERS RD (SR-1004)

| | |
|-----------|--------|
| SCALE | N/A |
| DATE | 5-2022 |
| DWG. BY | CEB |
| DESIGN BY | JDH |
| APPROVED | JDH |



| REVISIONS | |
|-----------|--|
| | |
| | |
| | |



PI Sta 16+8975-Y-
 $\Delta = 7^{\circ} 45' 19.3''$ (RT)
 $D = 28^{\circ} 38' 52.4''$
 $L = 27.07'$
 $T = 13.56'$
 $R = 200.00'$

PI Sta 16+5296-Y-
 $\Delta = 26^{\circ} 03' 36.7''$ (RT)
 $D = 55^{\circ} 05' 31.5''$
 $L = 47.30'$
 $T = 24.07'$
 $R = 104.00'$

PI Sta 18+2330-Y-
 $\Delta = 27^{\circ} 00' 01.2''$ (LT)
 $D = 11^{\circ} 27' 33.0''$
 $L = 235.62'$
 $T = 120.04'$
 $R = 500.00'$

PI Sta 12+4251-L-
 $\Delta = 1^{\circ} 01' 05.0''$ (LT)
 $D = 0^{\circ} 12' 35.7''$
 $L = 485.00'$
 $T = 242.51'$
 $R = 27,295.95'$

PI Sta 10+8353-Y-
 $\Delta = 1^{\circ} 54' 50.7''$ (LT)
 $D = 1^{\circ} 08' 45.3''$
 $L = 167.04'$
 $T = 83.53'$
 $R = 5,000.00'$

PI Sta 16+3372-L-
 $\Delta = 1^{\circ} 36' 37.7''$ (RT)
 $D = 0^{\circ} 32' 29.3''$
 $L = 297.42'$
 $T = 148.72'$
 $R = 10,581.40'$

PI Sta 19+4463-L-
 $\Delta = 1^{\circ} 53' 07.6''$ (LT)
 $D = 0^{\circ} 34' 52.4''$
 $L = 324.39'$
 $T = 162.21'$
 $R = 9,857.68'$

PI Sta 14+0171-Y-
 $\Delta = 21^{\circ} 38' 26.7''$ (LT)
 $D = 55^{\circ} 05' 31.5''$
 $L = 39.28'$
 $T = 19.88'$
 $R = 104.00'$

EMMA ROSE FARMS, LLC
 DB 6713 PG 768

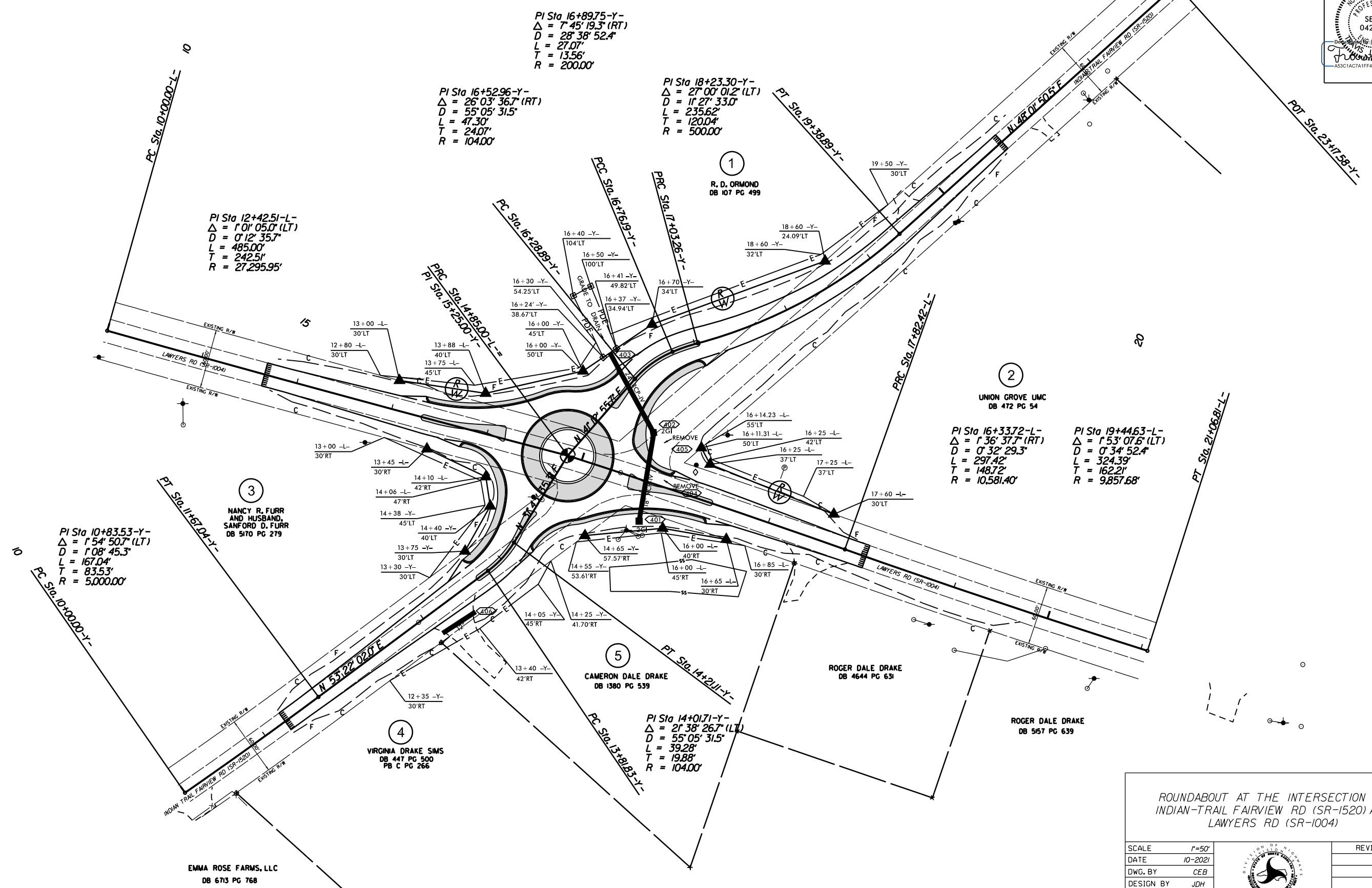
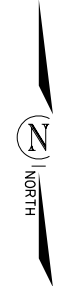
NOTE: INCIDENTAL MILL APPROXIMATELY 25' AT EACH TIE IN TO PROVIDE A SMOOTH TRANSITION TO THE EXISTING ASPHALT PAVEMENT.

ROUNDABOUT AT THE INTERSECTION OF INDIAN-TRAIL FAIRVIEW RD (SR-1520) AND LAWYERS RD (SR-1004)

| | |
|-----------|---------|
| SCALE | 1"=50' |
| DATE | 12-2021 |
| DWG. BY | CEB |
| DESIGN BY | JDH |
| APPROVED | JDH |

| REVISIONS |
|-----------|
| |
| |
| |
| |

ROADWAY DESIGN
ENGINEER
03/29/2023
PROFESSIONAL
SEAL
042673
ASSOCIATE 117478



ROUNDABOUT AT THE INTERSECTION OF
INDIAN-TRAIL FAIRVIEW RD (SR-1520) AND
LAWYERS RD (SR-1004)

| | | | |
|-----------|---------|--|-----------|
| SCALE | 1"=50' | | REVISIONS |
| DATE | 10-2021 | | |
| DWG. BY | CEB | | |
| DESIGN BY | JDH | | |
| APPROVED | JDH | | |

EMMA ROSE FARMS, LLC
DB 6713 PG 768

PI Sta 10+83.53-Y-
Δ = 1°54' 50.7" (LT)
D = 1°08' 45.3"
L = 167.04'
T = 83.53'
R = 5,000.00'

PI Sta 12+42.51-L-
Δ = 1°01' 05.0" (LT)
D = 0°12' 35.7"
L = 485.00'
T = 242.51'
R = 27,295.95'

PI Sta 16+52.96-Y-
Δ = 26°03' 36.7" (RT)
D = 55°05' 31.5"
L = 47.30'
T = 24.07'
R = 104.00'

PI Sta 16+8975-Y-
Δ = 7°45' 19.3" (RT)
D = 28°38' 52.4"
L = 27.07'
T = 13.56'
R = 200.00'

PI Sta 18+23.30-Y-
Δ = 27°00' 01.2" (LT)
D = 11°27' 33.0"
L = 235.62'
T = 120.04'
R = 500.00'

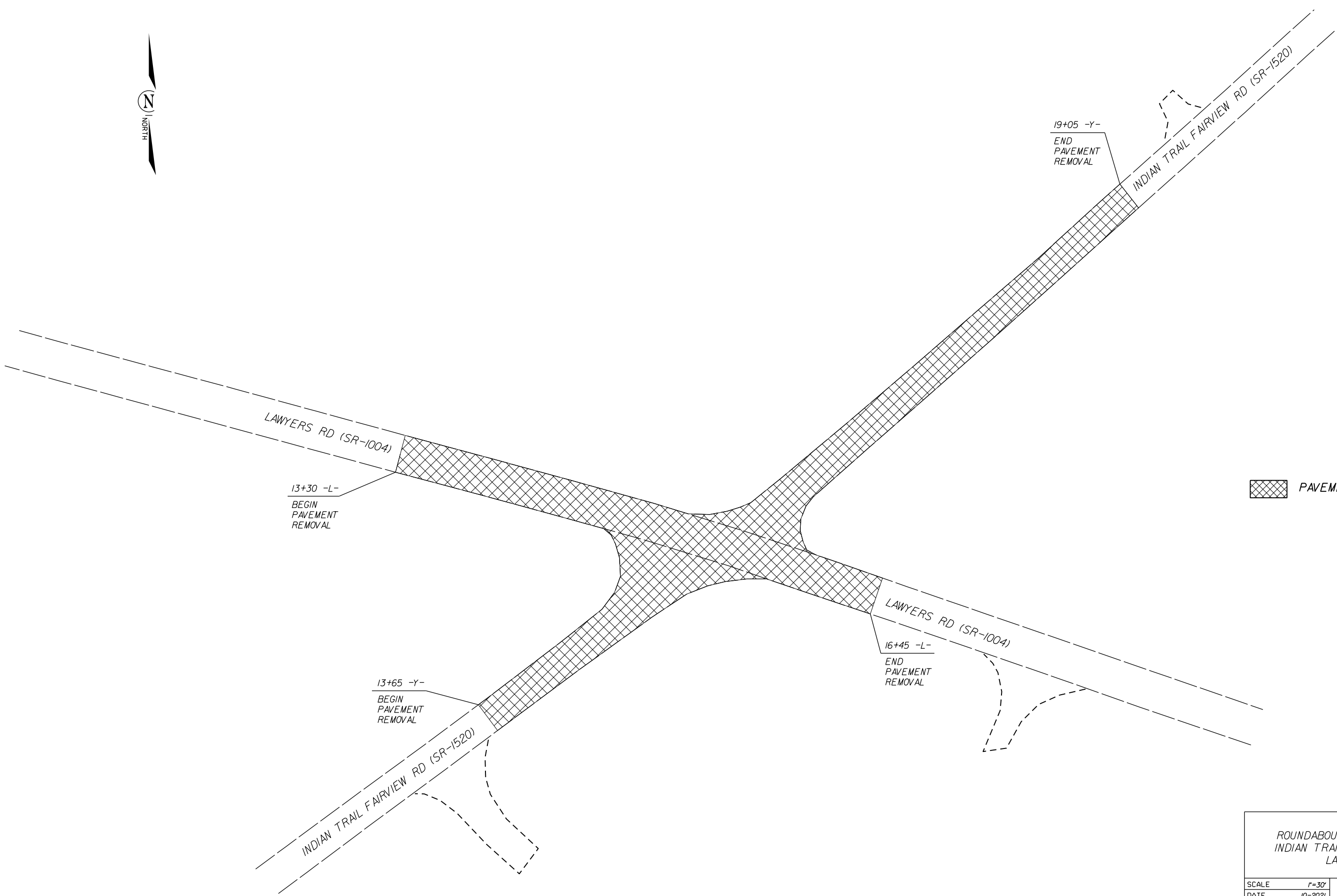
PI Sta 16+33.72-L-
Δ = 1°36' 37.7" (RT)
D = 0°32' 29.3"
L = 297.42'
T = 148.72'
R = 10,581.40'

PI Sta 19+44.63-L-
Δ = 1°53' 07.6" (LT)
D = 0°34' 52.4"
L = 324.39'
T = 162.21'
R = 9,857.68'

PI Sta 14+01.71-Y-
Δ = 21°38' 26.7" (LT)
D = 55°05' 31.5"
L = 39.28'
T = 19.88'
R = 104.00'

| | |
|---------------------------------|-----------|
| PROJECT NO. | SHEET NO. |
| 44856.3.46 | 6 |
| F.A. PROJECT NO. HSIP-10041072) | |

ROADWAY DESIGN
ENGINEER
03/29/2023
PROFESSIONAL
SEAL
042673
J. W. ...

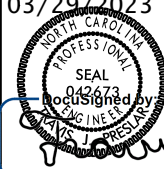


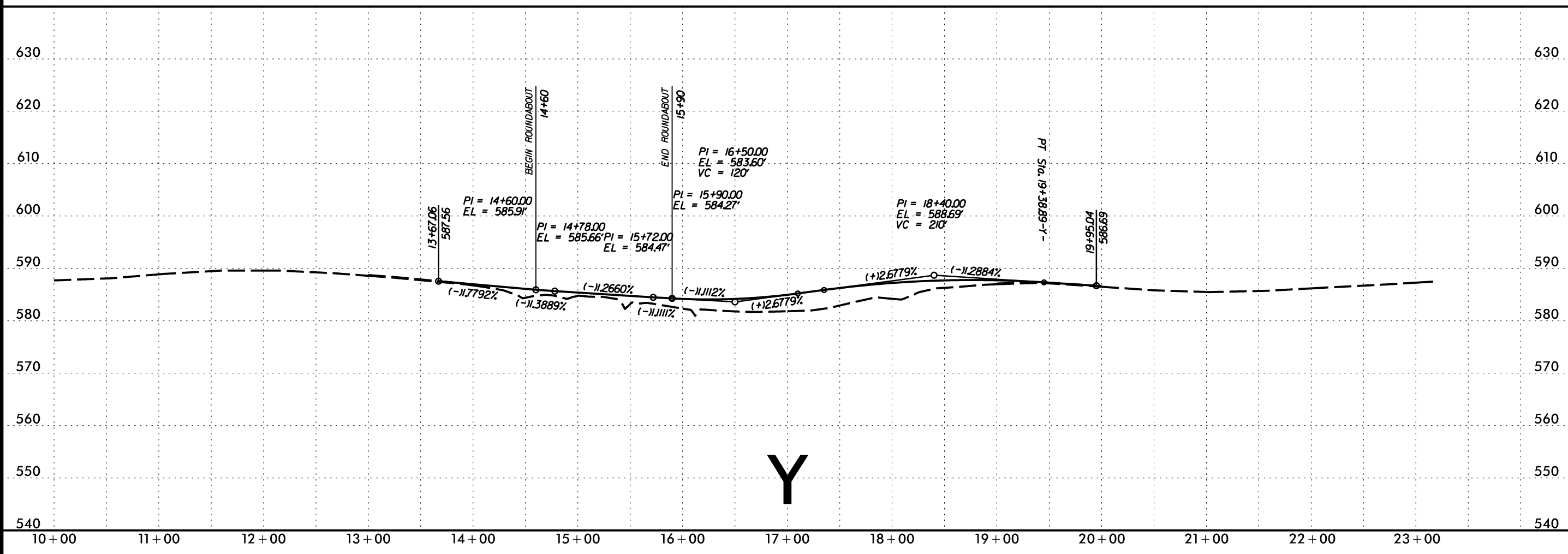
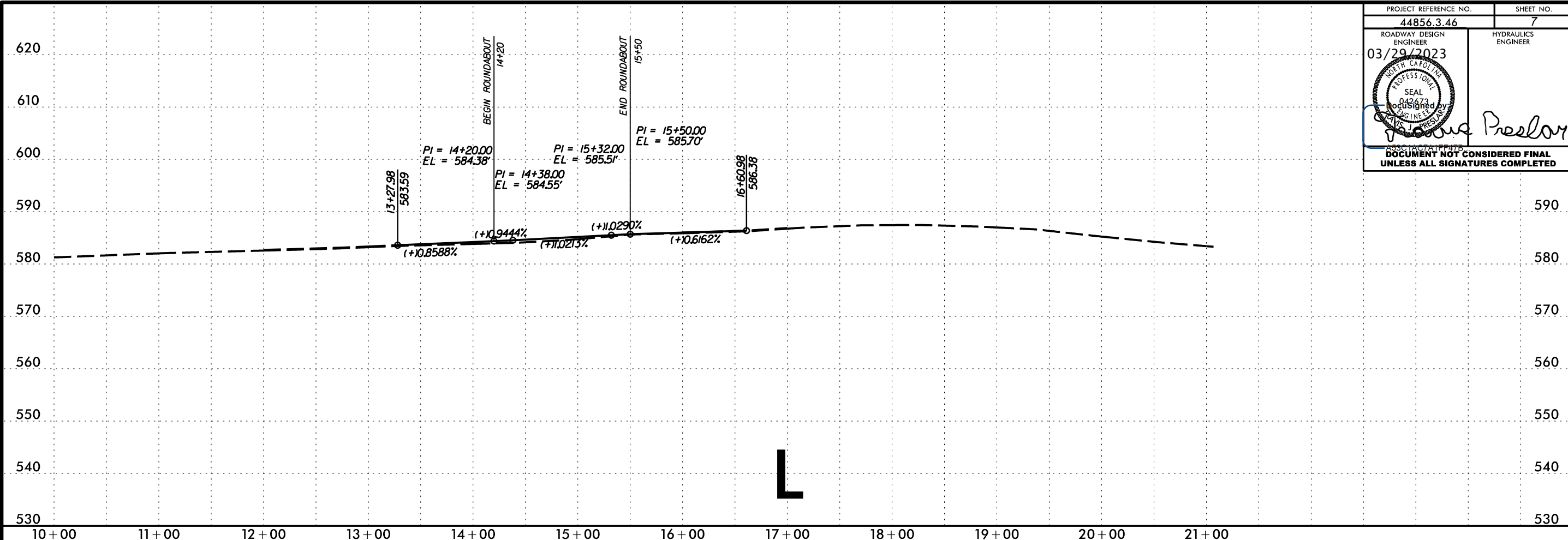
PAVEMENT REMOVAL

ROUNDAABOUT AT THE INTERSECTION OF
INDIAN TRAIL-FAIRVIEW RD.(SR-1520) AND
LAWYERS RD.(SR-1004)

| | | | |
|-----------|---------|--|-----------|
| SCALE | r=30' | | REVISIONS |
| DATE | 10-2021 | | |
| DWG. BY | CEB | | |
| DESIGN BY | JDH | | |
| APPROVED | JDH | | |

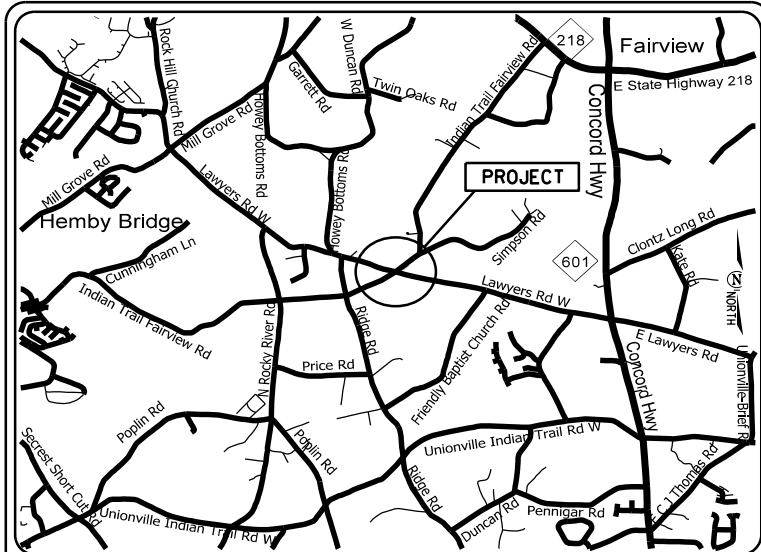
5/28/99

| | |
|--|---------------------|
| PROJECT REFERENCE NO. 44856.3.46 | SHEET NO. 7 |
| ROADWAY DESIGN ENGINEER 03/29/2023 | HYDRAULICS ENGINEER |
|  James Preslow | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |



23-JAN-2023 14:22 S:\DD\CDK\Union\W-5710AR-Lowways_Indion Trail_Fairview-RAB.pfl\W-5710AR1.dgn

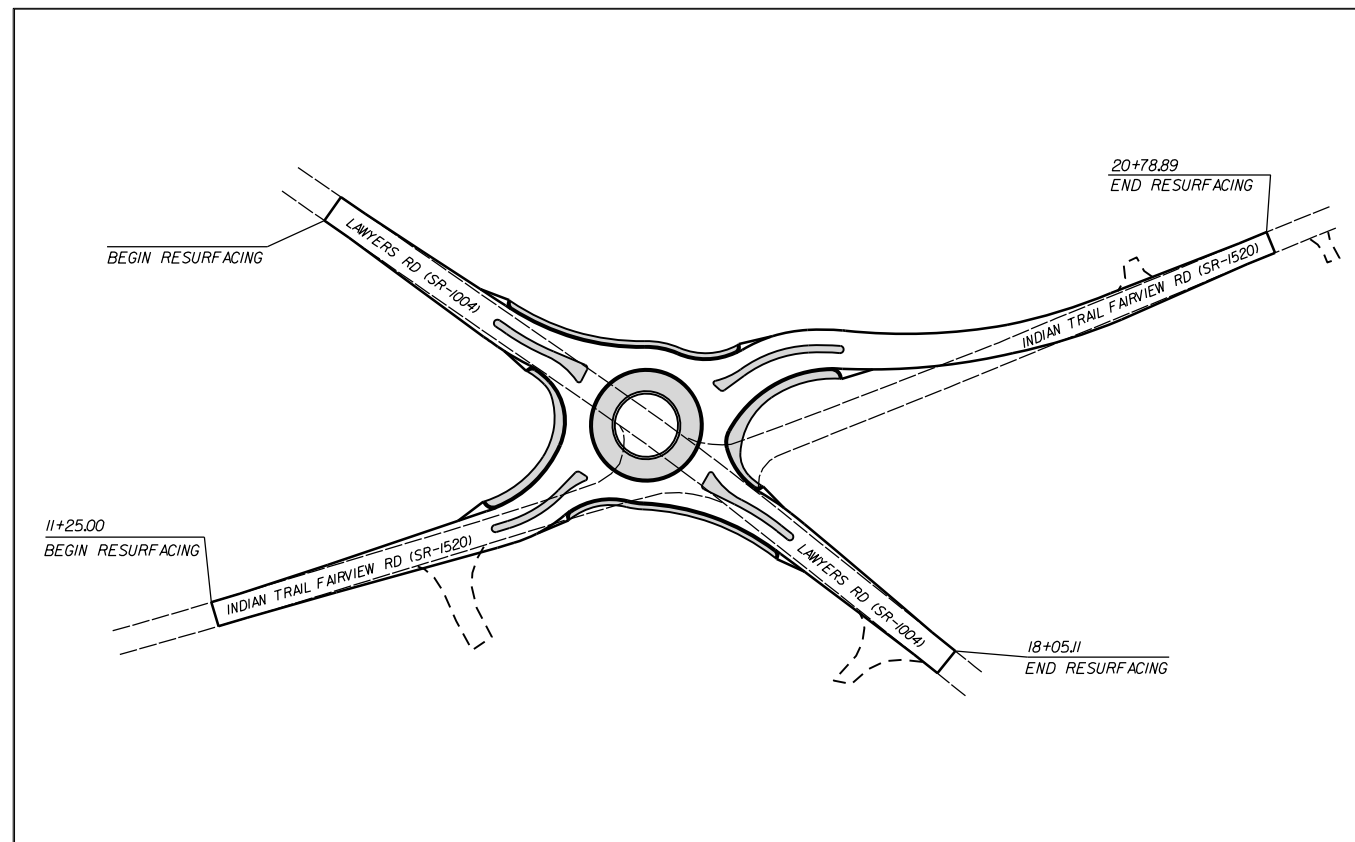
W-5710AR



VICINITY MAP
NOT TO SCALE

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

**LOCATION: SR 1004 (LAWYERS RD) AND SR 1532
(INDIAN-TRAIL FAIRVIEW RD) NEAR FAIRVIEW**



INSTALL PERIMETER EROSION CONTROL MEASURES
DURING INITIAL CLEARING PHASE

| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
|-----------------|-----------------------------|-------------|--------------|
| N.C. | W-5710AR | EC-1 | |
| STATE PROJ. NO. | F.A. PROJ. NO. | DESCRIPTION | |
| 44856.1.46 | HSIP-1004(072) | P.E. | |
| 44856.2.46 | HSIP-1004(072) | RW | |
| 44856.3.46 | HSIP-1004(072) | CONST. | |

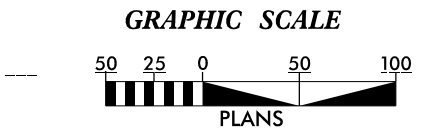
EROSION AND SEDIMENT CONTROL MEASURES

| Std. # | Description | Symbol |
|---------|--|-------------|
| 1630.05 | Temporary Silt Ditch | --- |
| 1630.05 | Temporary Diversion | ---> |
| 1605.01 | 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 | --- --- |

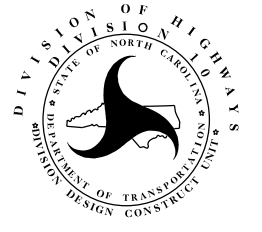
**THIS PROJECT CONTAINS
EROSION CONTROL PLANS
FOR CLEARING AND
GRUBBING PHASE OF
CONSTRUCTION.**

**HIGH QUALITY WATER(S) EXIST
ON THIS PROJECT**
*High Quality Water Zone(s) Exist
From Sta. _____ Begin Project
to Sta. _____ End Project
Refer To E. C. Special Provisions
for Special Considerations.*

**ENVIRONMENTALLY
SENSITIVE AREA(S) EXIST
ON THIS PROJECT**
*Refer To E. C. Special Provisions
for Special Considerations.*



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:
CHAD BURRIS 4159
NAME LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

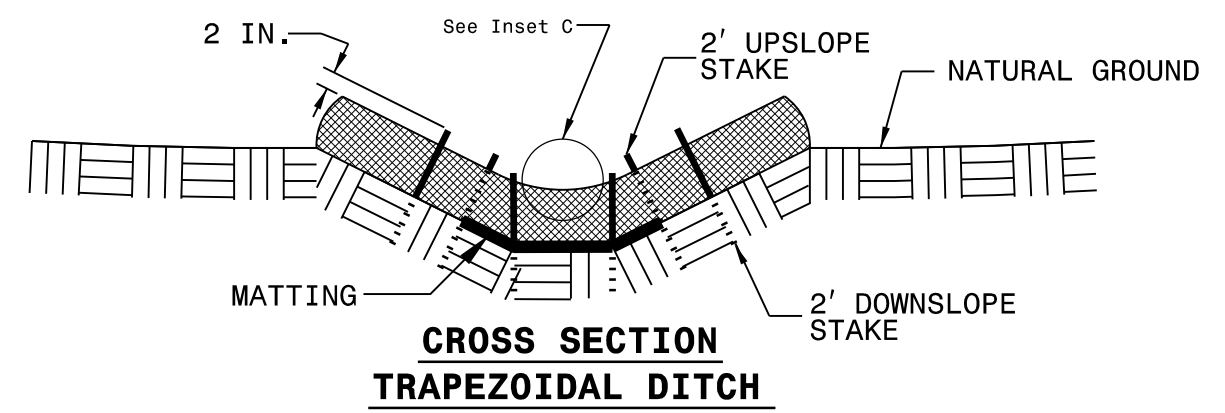
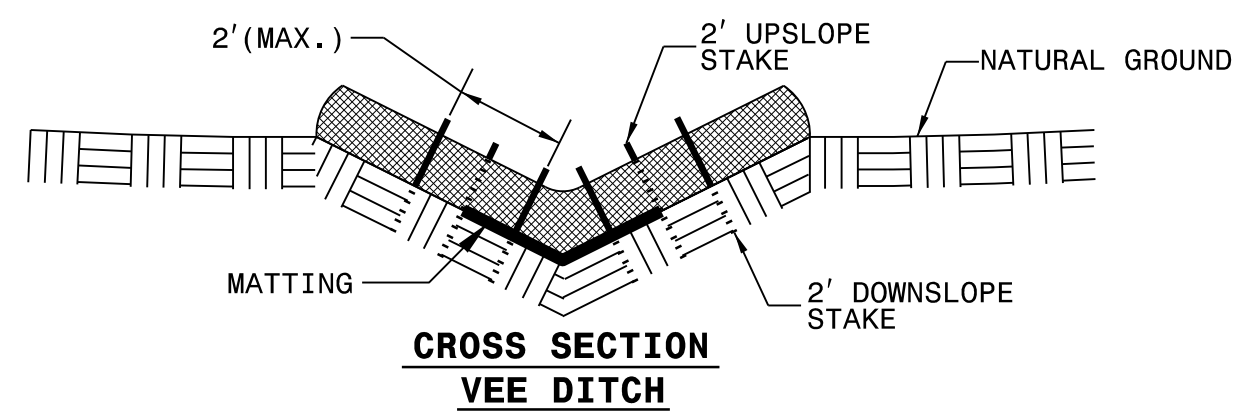
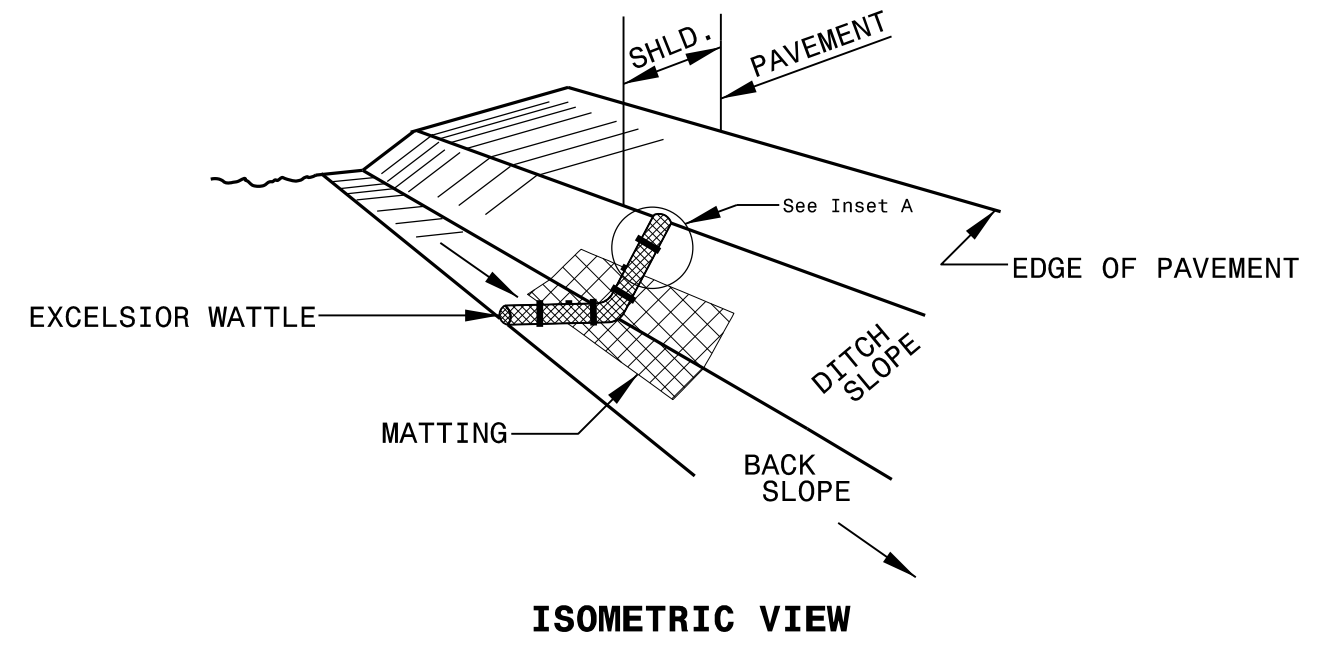
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2018 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

| | |
|--|--|
| 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 J |
| 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 J |
| 1630.01 Riser Basin | 1634.01 Temporary Rock Sediment Dam Type A |
| 1630.02 Silt Basin Type J | 1634.02 Temporary Rock Sediment Dam Type J |
| 1630.03 Temporary Silt Ditch | 1635.01 Rock Pipe Inlet Sediment Trap Type A |
| 1630.04 Stilling Basin | 1635.02 Rock Pipe Inlet Sediment Trap Type J |
| 1630.05 Temporary Diversion | 1640.01 Coir Fiber Jaffle |
| 1630.06 Special Stilling Basin | 1645.01 Temporary Stream Crossing |
| 1631.01 Matting Installation | |

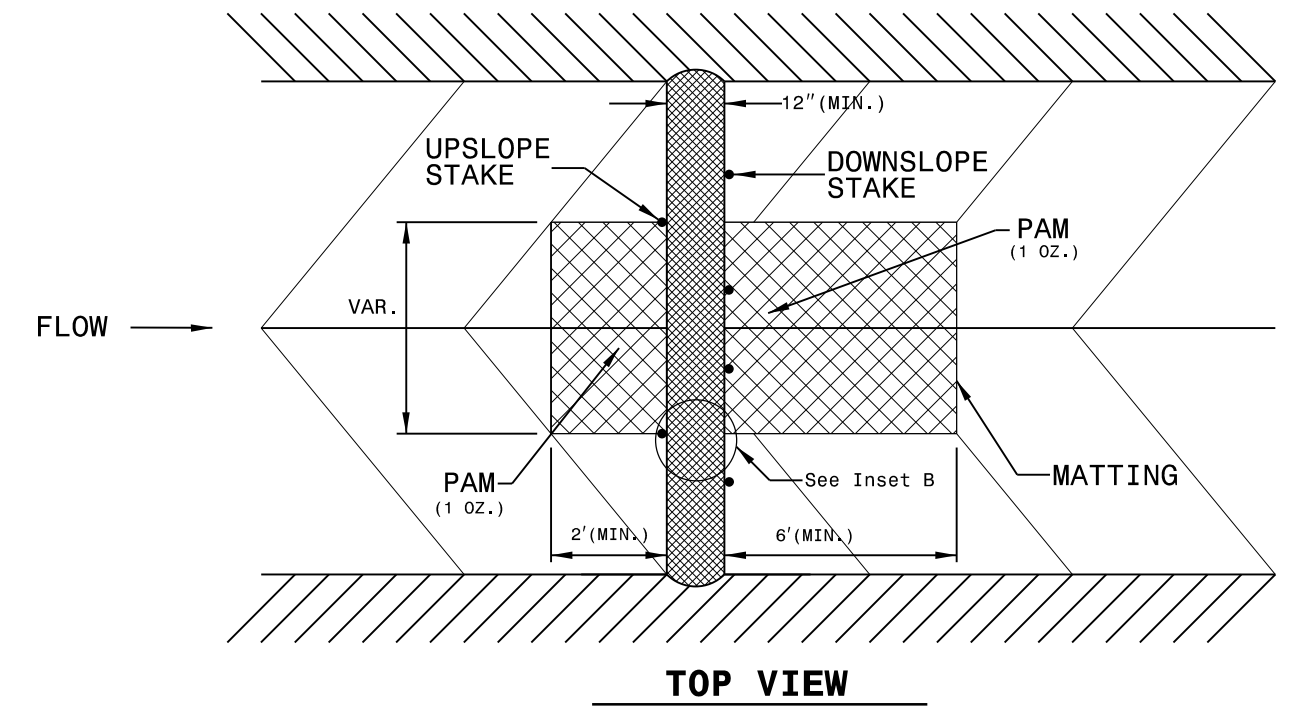
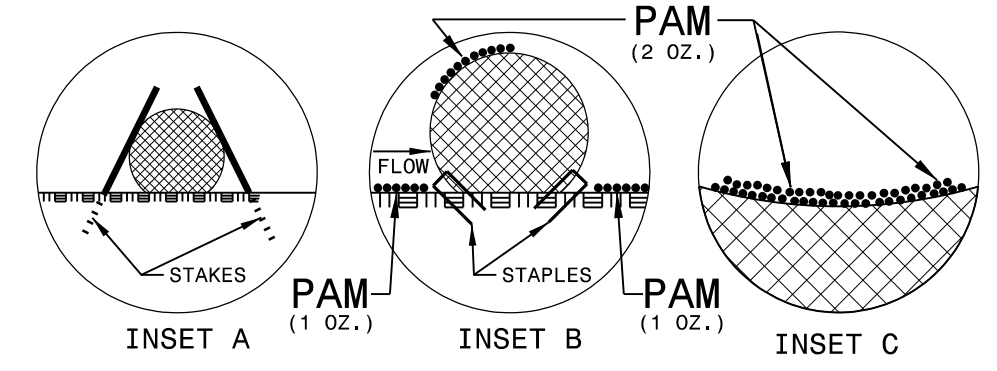
20-Jul-2022 15:25
C:\Users\erik\OneDrive\Documents\W-5710AR\Indian-Trail\Fairview-RAB.un5-Erosion1SH.dgn

WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL

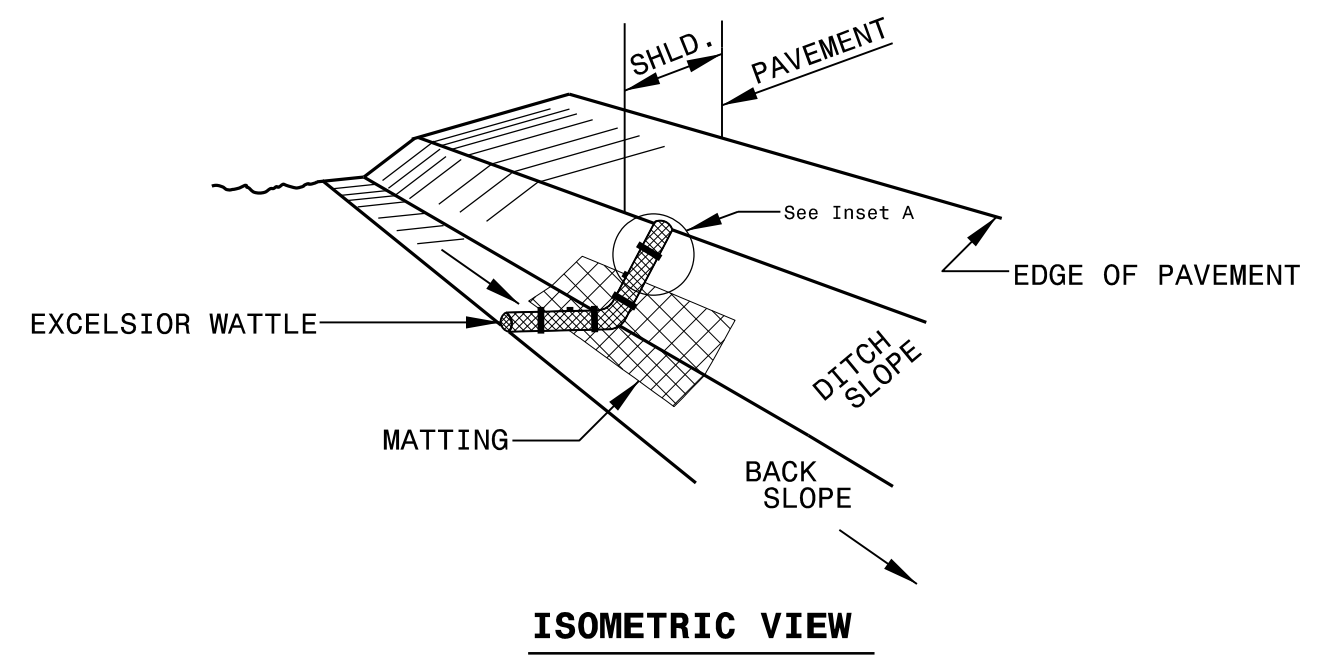
| | |
|--------------------------------|-----------|
| PROJECT NO. | SHEET NO. |
| 44856.3.46 | EC-2 |
| F.A. PROJECT NO. HSP-1004(072) | |



- 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.

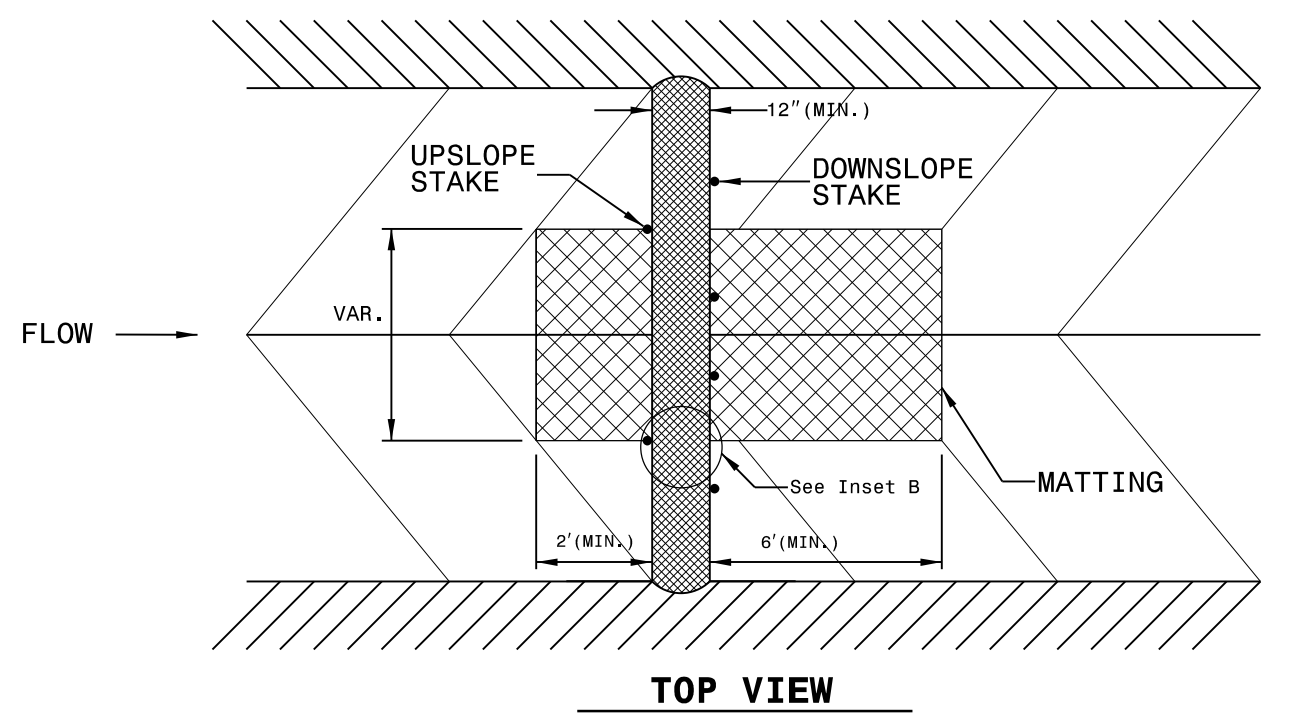
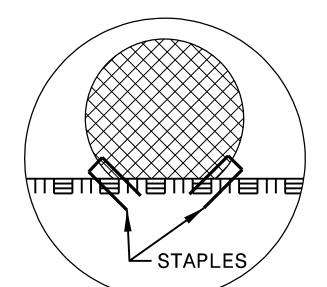
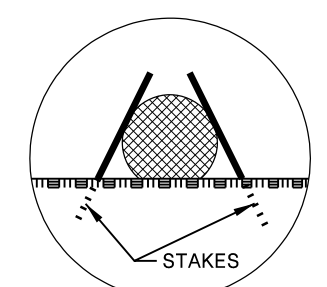
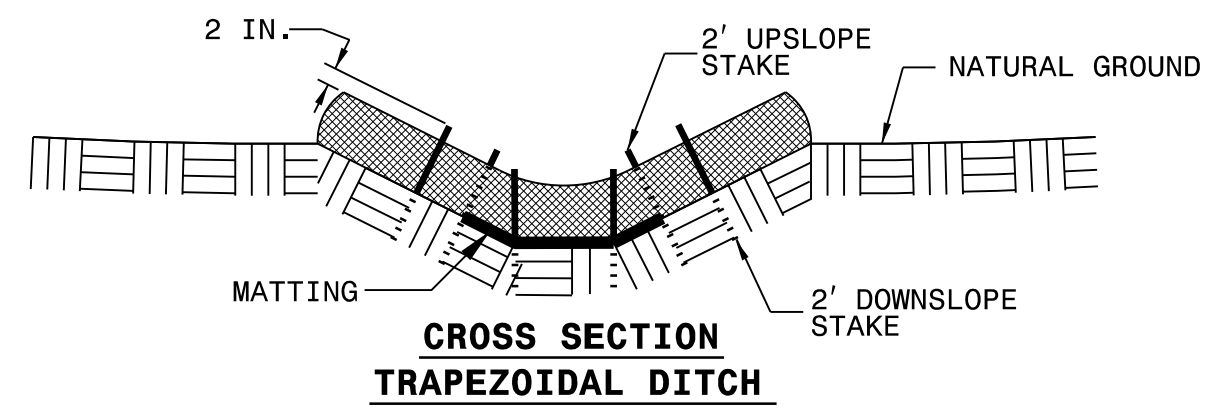
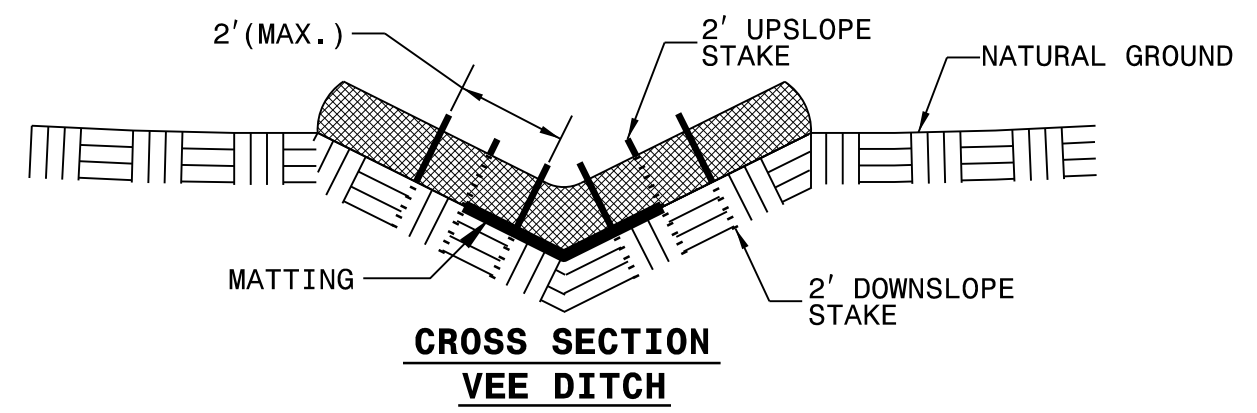


WATTLE DETAIL



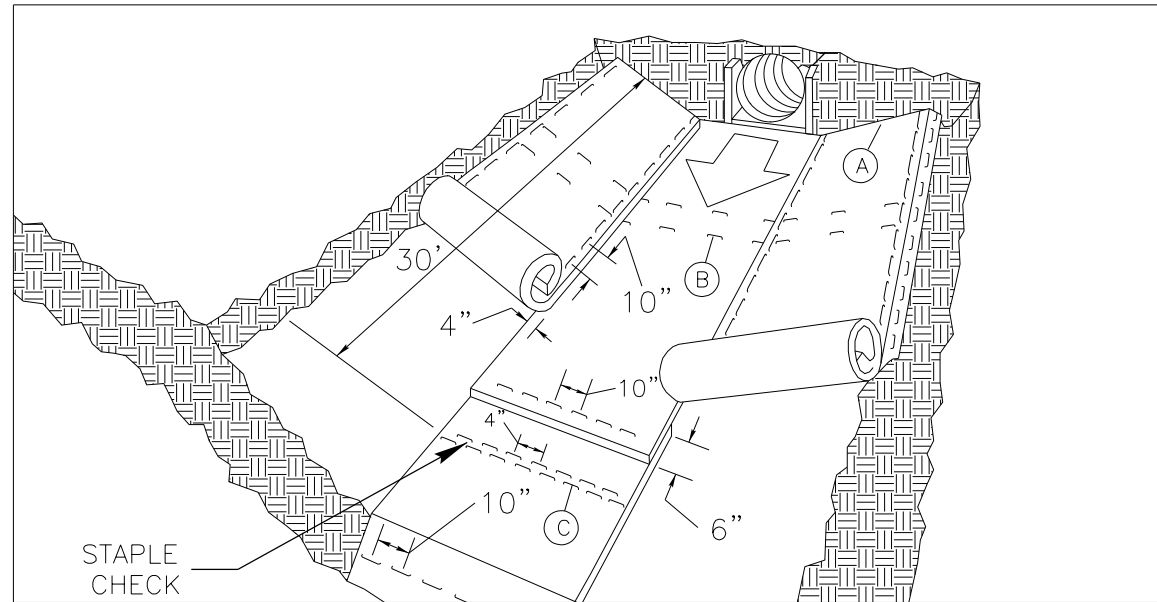
NOTES:

- 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.



MATTING INSTALLATION DETAIL

| | |
|--------------------------------|-----------|
| PROJECT NO. | SHEET NO. |
| 44856.3.46 | EC-2B |
| F.A. PROJECT NO. HSP-1004(072) | |



MATTING IN DITCHES

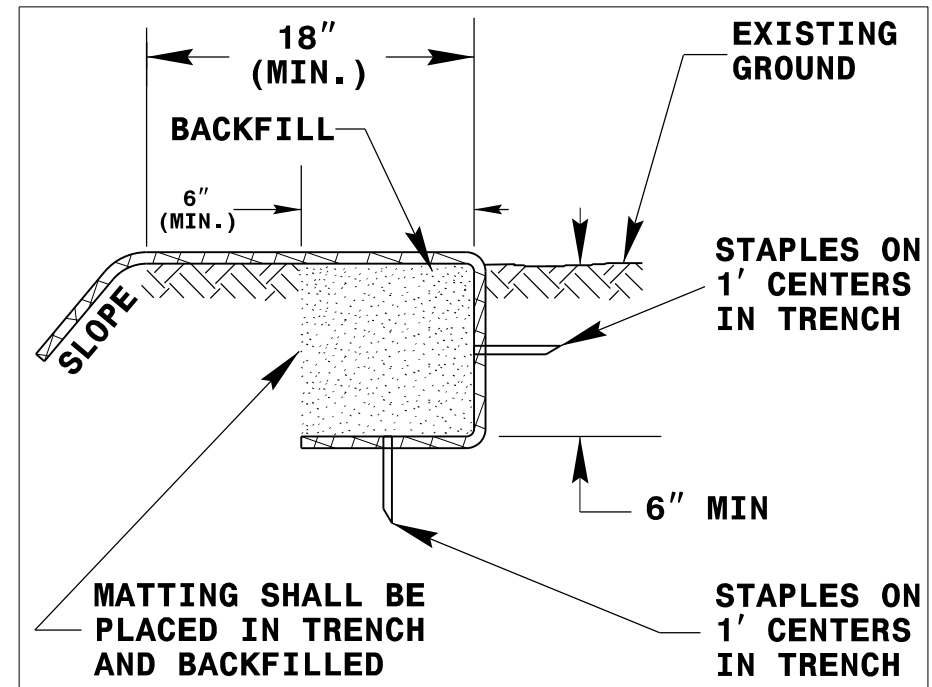
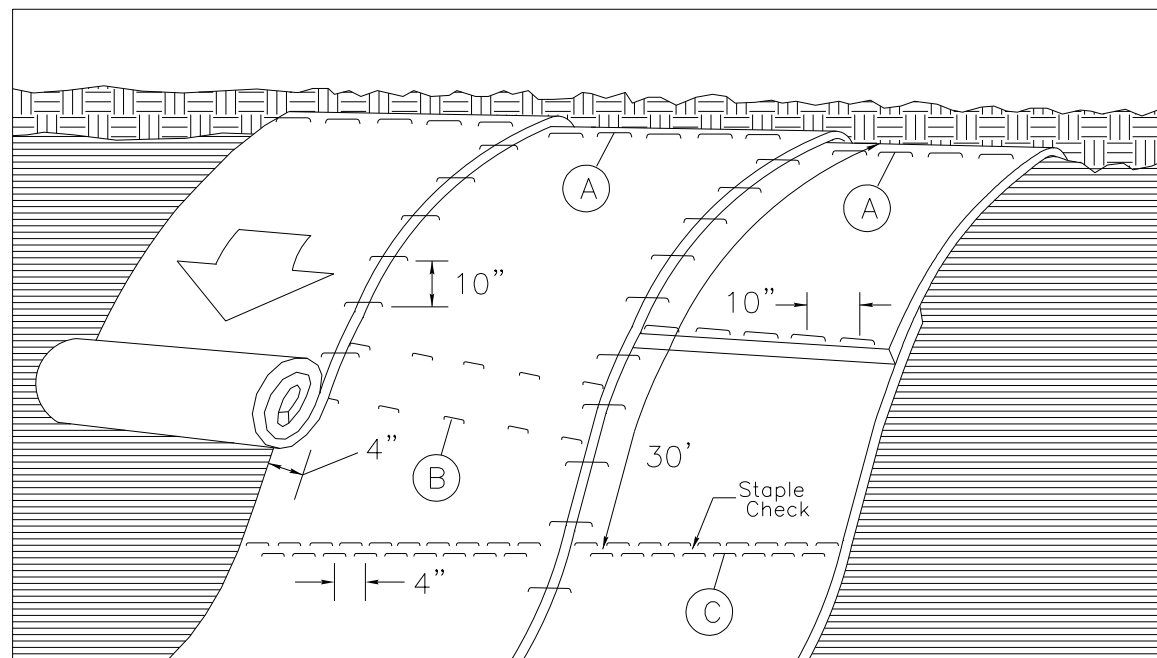


DIAGRAM (A)



MATTING ON SLOPES

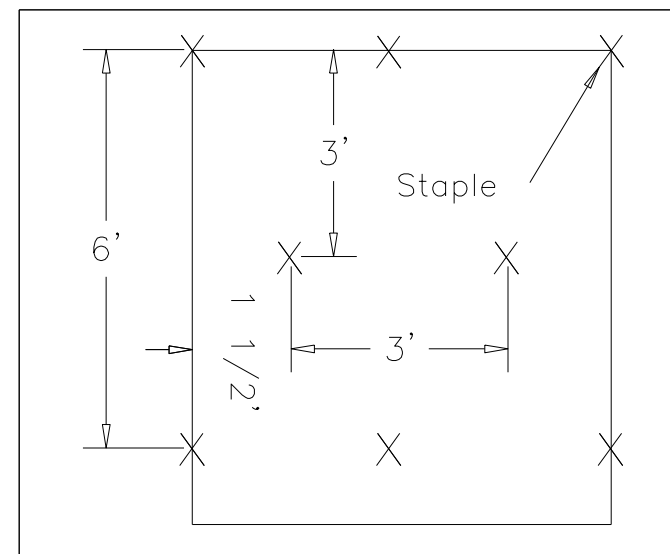


DIAGRAM (B)

Staple Check Pattern

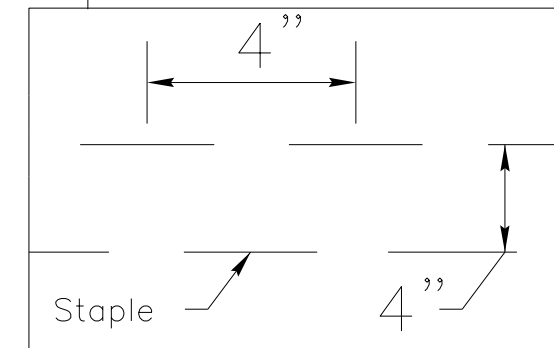


DIAGRAM (C)

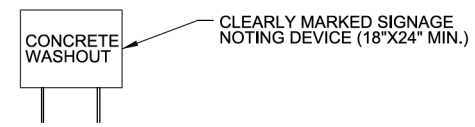
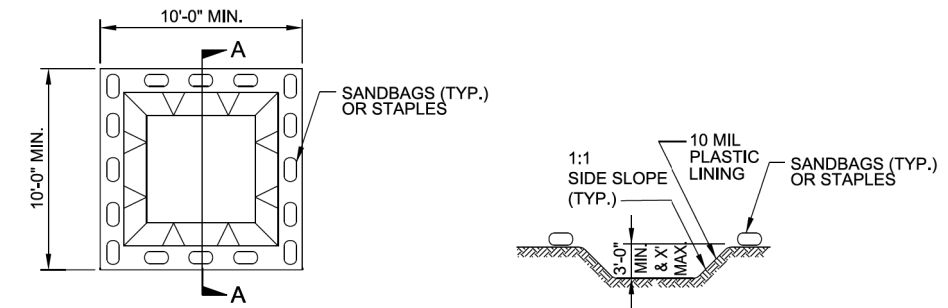
NOTES:

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

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



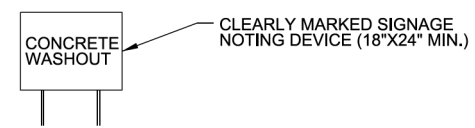
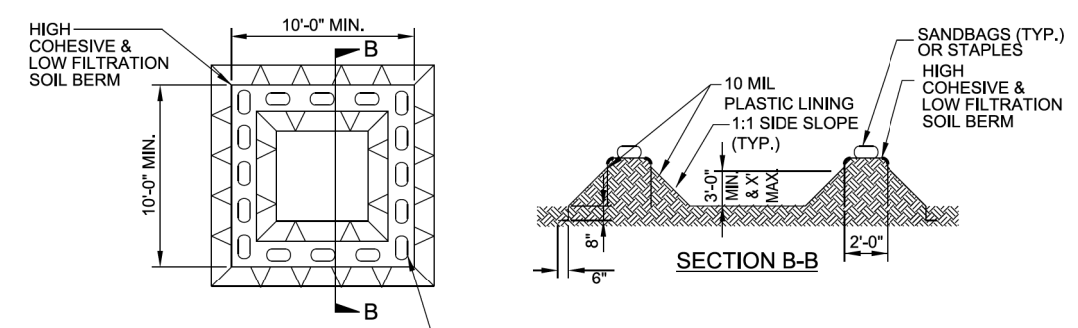
SECTION A-A

- NOTES:**
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

PLAN

BELOW GRADE WASHOUT STRUCTURE

NOT TO SCALE



SECTION B-B

- NOTES:**
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

PLAN

ABOVE GRADE WASHOUT STRUCTURE

NOT TO SCALE

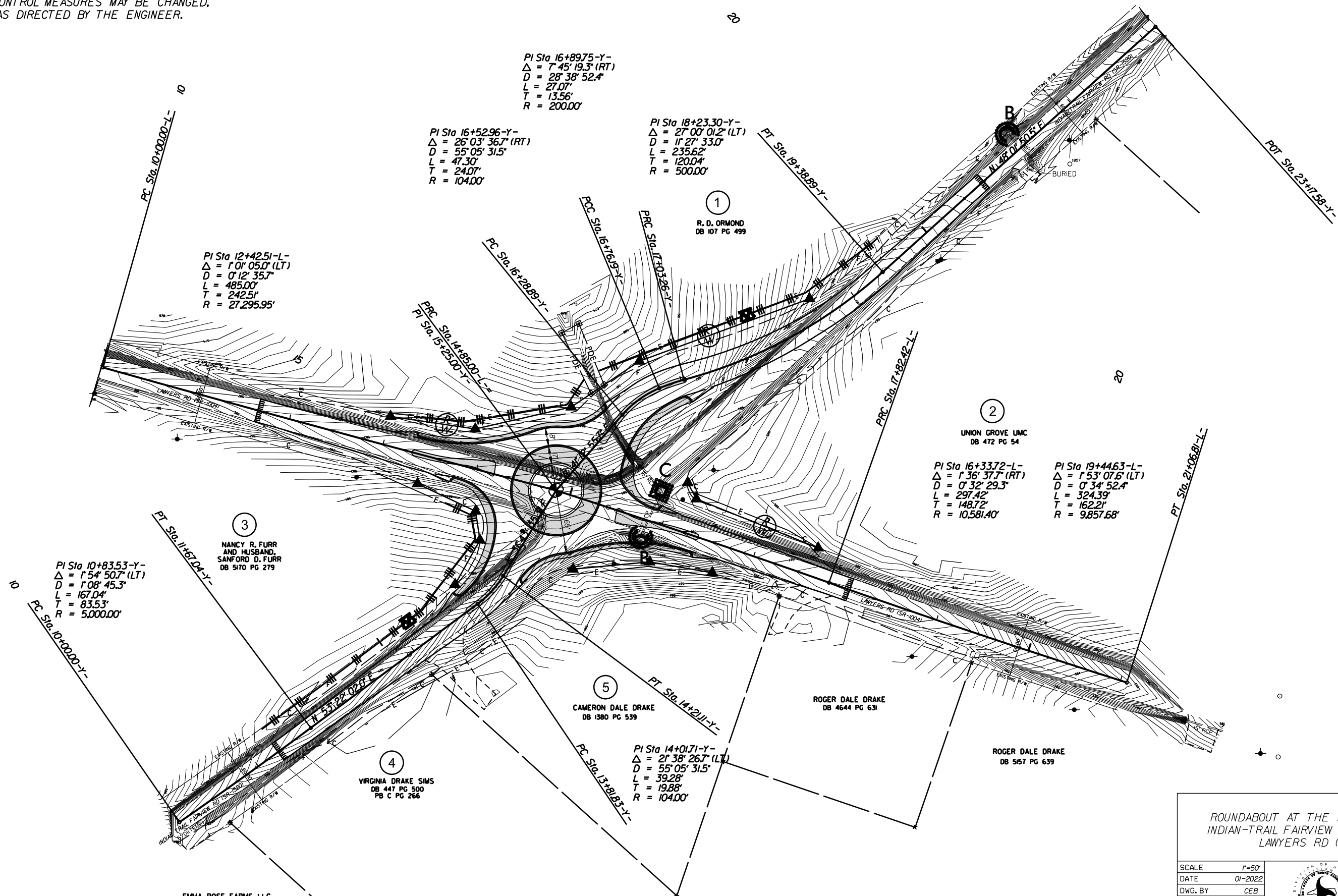
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

| | |
|---------------------------------|-----------|
| PROJECT NO. | SHEET NO. |
| 44856.3.46 | EC-3 |
| F.A. PROJECT NO. HSIP-1004(072) | |


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 (HQW) ZONES | 7 DAYS | NONE |
| SLOPES STEEPER THAN 3:1 | 7 DAYS | IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED. |
| SLOPES 3:1 OR FLATTER | 14 DAYS | 7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH. |
| ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1 | 14 DAYS | NONE, EXCEPT FOR PERIMETERS AND HQW ZONES. |

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



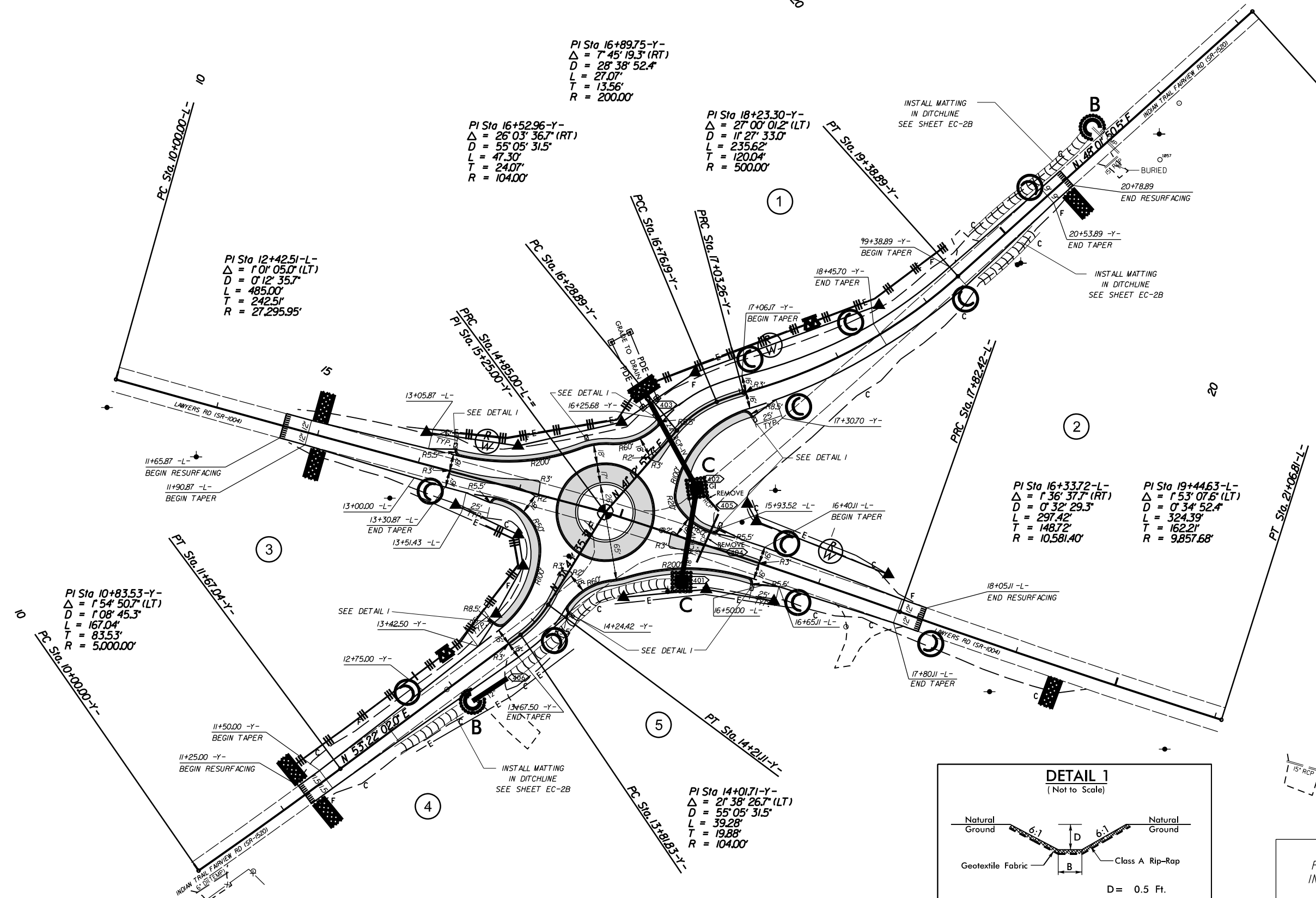
ROUNDBOUT AT THE INTERSECTION OF
INDIAN-TRAIL FAIRVIEW RD (SR-1520) AND
LAWYERS RD (SR-1004)

| | | | |
|-----------|---------|---|-----------|
| SCALE | 1"=50' |  | REVISIONS |
| DATE | 01-2022 | | |
| DWG. BY | CEB | | |
| DESIGN BY | CEB | | |
| APPROVED | JDH | | |

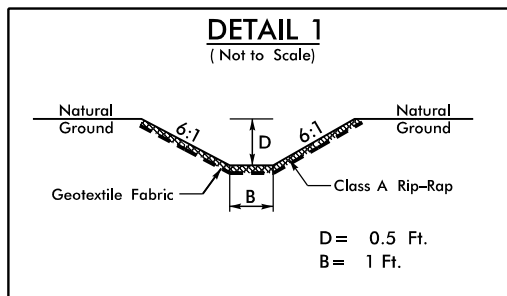
EMMA ROSE FARMS, LLC
DB 6713 PG 768

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

| | |
|--------------------------------|-----------|
| PROJECT NO. | SHEET NO. |
| 44856.3.46 | EC-4A |
| F.A. PROJECT NO. HSP-10041072) | |



INSTALL MATTING FOR
EROSION CONTROL IN THE
PROPOSED DITCH LINE.
SEE SHEET EC-2B
STA. 12+25 -Y- RT TO 12+95 -Y- RT
STA. 13+45 -Y- RT TO 15+00 -Y- RT
STA. 19+75 -Y- LT TO 21+25 -Y- LT
STA. 19+50 -Y- RT TO 20+25 -Y- RT

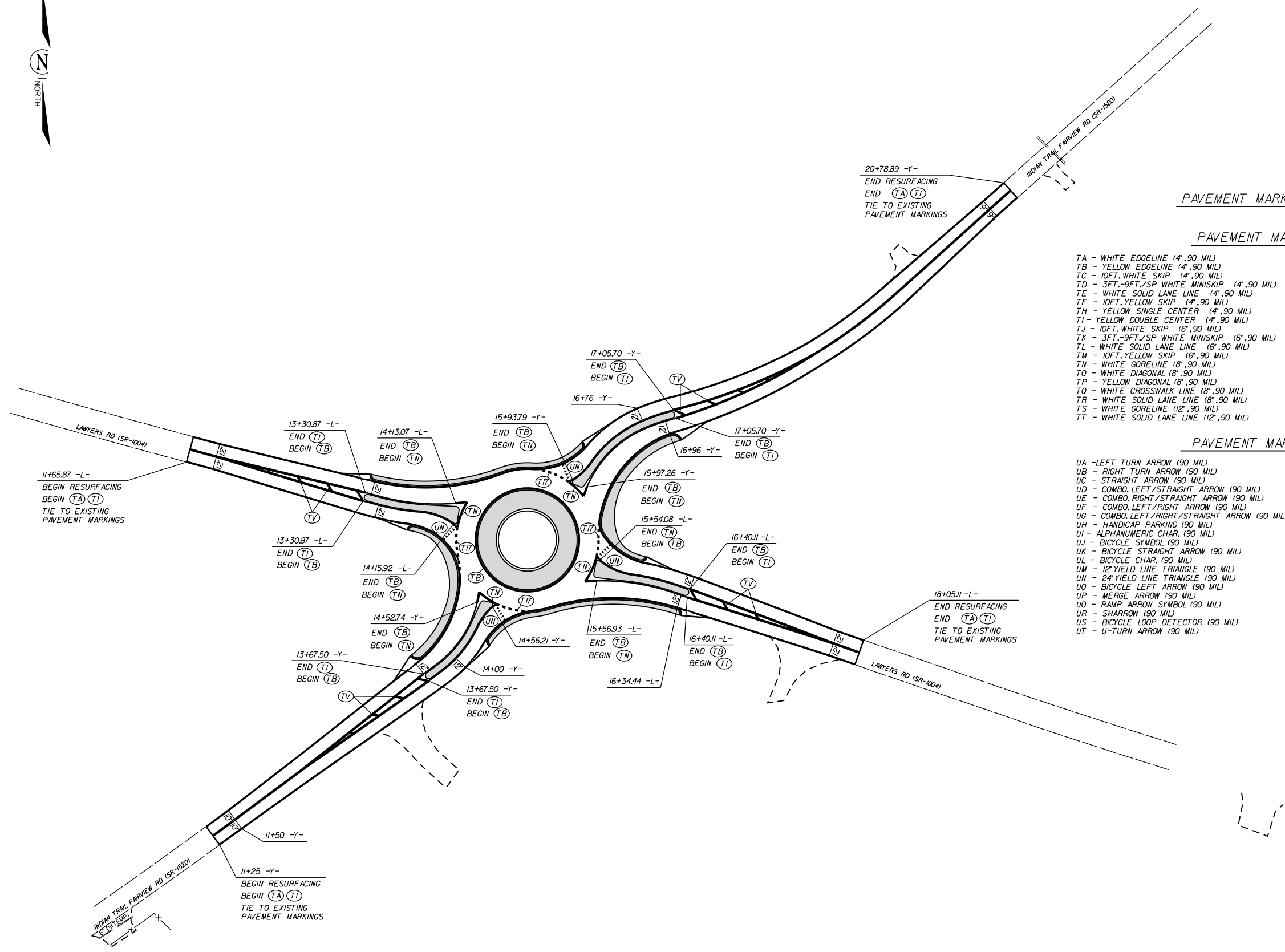


To be placed at
the end of Curb Turnouts
as directed by the Engineer.

ROUNDABOUT AT THE INTERSECTION OF
INDIAN-TRAIL FAIRVIEW RD (SR-1520) AND
LAWYERS RD (SR-1004)

| | | | |
|-----------|---------|--|-----------|
| SCALE | 1"=50' | | REVISIONS |
| DATE | 01-2022 | | |
| DWG. BY | CEB | | |
| DESIGN BY | CEB | | |
| APPROVED | JDH | | |

ROADWAY DESIGN
ENGINEER
03/29/2023
PROFESSIONAL
SEAL
042673
Francis J. Pr...



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) | T1 - 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) |
| TJ - YELLOW DOUBLE CENTER (4',.90 MIL) | T6 - WHITE EDGELINE (6',.90 MIL) |
| TK - 10FT. WHITE SKIP (6',.90 MIL) | T7 - YELLOW EDGELINE (6',.90 MIL) |
| TL - WHITE SOLID LANE LINE (6',.90 MIL) | T8 - 2FT.-6FT./SP WHITE MINISKIP (4',.90 MIL) |
| TM - 10FT. YELLOW SKIP (6',.90 MIL) | T9 - 2FT.-6FT./SP YELLOW MINISKIP (4',.90 MIL) |
| TN - WHITE GORELINE (8',.90 MIL) | T10 - 3FT.-3FT./SP WHITE MINISKIP (12',.90 MIL) |
| TO - WHITE DIAGONAL (8',.90 MIL) | T11 - 2FT.-6FT./SP WHITE MINISKIP (6',.90 MIL) |
| TP - YELLOW DIAGONAL (8',.90 MIL) | T12 - 2FT.-6FT./SP WHITE MINISKIP (12',.90 MIL) |
| TQ - WHITE CROSSWALK LINE (8',.90 MIL) | T13 - 3FT.-9FT./SP WHITE MINISKIP (8',.90 MIL) |
| TR - WHITE SOLID LANE LINE (8',.90 MIL) | T14 - 3FT.-9FT./SP WHITE MINISKIP (12',.90 MIL) |
| TS - WHITE GORELINE (12',.90 MIL) | T15 - YELLOW SINGLE CENTER (6',.90 MIL) |
| TT - WHITE SOLID LANE LINE (12',.90 MIL) | T16 - YELLOW DOUBLE CENTER (6',.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) | WA - FISH-HOOK W/CIRCLE LEFT ARROW (90 MIL) |
| UH - HANDICAP PARKING (90 MIL) | WB - FISH-HOOK W/CIRCLE LEFT/STRAIGHT ARROW (90 MIL) |
| UI - ALPHANUMERIC CHAR. (90 MIL) | WC - FISH-HOOK W/CIRCLE LEFT/RIGHT/STRAIGHT ARROW (90 MIL) |
| UJ - BICYCLE SYMBOL (90 MIL) | |
| UK - BICYCLE STRAIGHT ARROW (90 MIL) | MA - PERMANENT RAISED MARKER (YELLOW & YELLOW) |
| UL - BICYCLE CHAR. (90 MIL) | MB - PERMANENT RAISED MARKER (CRYSTAL & RED) |
| UM - 12" YIELD LINE TRIANGLE (90 MIL) | MC - PERMANENT RAISED MARKER (YELLOW & RED) |
| UN - 24" YIELD LINE TRIANGLE (90 MIL) | MD - PERMANENT RAISED MARKER (YELLOW) |
| UP - BICYCLE LEFT ARROW (90 MIL) | ME - SNOWPLOWABLE MARKER (YELLOW & YELLOW) |
| UQ - MERGE ARROW (90 MIL) | MF - SNOWPLOWABLE MARKER (YELLOW & RED) |
| UR - RAMP ARROW SYMBOL (90 MIL) | MG - SNOWPLOWABLE MARKER (YELLOW & RED) |
| US - SHARROW (90 MIL) | ML - PERMANENT RAISED MARKER (CRYSTAL & CRYSTAL) |
| UT - BICYCLE LOOP DETECTOR (90 MIL) | MO - SNOWPLOWABLE MARKER (CRYSTAL & CRYSTAL) |
| UV - U-TURN ARROW (90 MIL) | |


ROUNDBOUT AT THE INTERSECTION OF
INDIAN-TRAIL FAIRVIEW RD (SR-1520) AND
LAWYERS RD (SR-1004)

| | | | |
|-----------|---------|--|-----------|
| SCALE | 1"=50' | | REVISIONS |
| DATE | 12-2021 | | |
| DWG. BY | CEB | | |
| DESIGN BY | JDH | | |
| 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-5710AR | SHEET NO. SIGN-1 |
| APPROVED: <u>Renee B. Roach</u> <small>3043000010401</small> | |
| DATE: 03/16/2023 | |
| SEAL | |
|  | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |

T.I.P.: W-5710AR

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 |
| 910.40 | SINGLE LANE ROUNDABOUT SIGNING, WITH PEDESTRIANS |

SUMMARY OF QUANTITIES

| ITEM NO. | | ITEM DESCRIPTION | QUANTITY | UNIT |
|------------|-----------|--|----------|------|
| DESC. NO. | SECT. NO. | | | |
| 4072000000 | 903 | SUPPORTS, 3 LB STEEL U-CHANNEL | 346 | L.F. |
| 4096000000 | 904 | SIGN ERECTION, TYPE D | 1 | EA. |
| 4102000000 | 904 | SIGN ERECTION, TYPE E | 30 | EA. |
| 4116100000 | 904 | SIGN ERECTION, RELOCATE SIGN TYPE E (GROUND MOUNTED) | 2 | EA. |
| 4155000000 | 907 | DISPOSAL OF SIGN SYSTEM, U-CHANNEL | 13 | EA. |
| 4192000000 | 907 | DISPOSAL OF SUPPORT, U-CHANNEL | 1 | EA. |

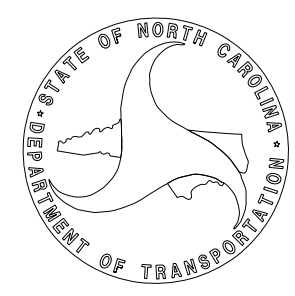
GENERAL NOTES

- 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.

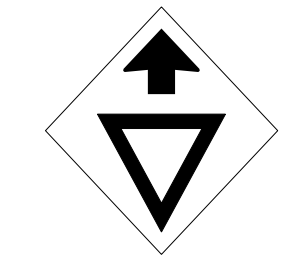

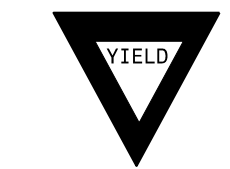

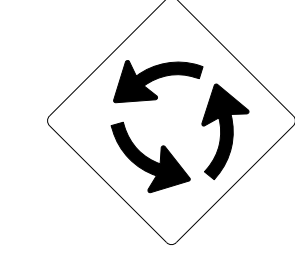

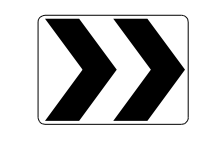
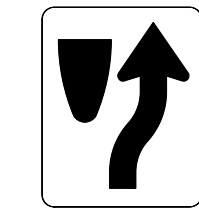
PLAN PREPARED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT

Kelvin Jordan SIGNING & DELINEATION REGIONAL ENGINEER

J.Navarrete SIGNING & DELINEATION PROJECT DESIGN ENGINEER



TYPE E SIGNS

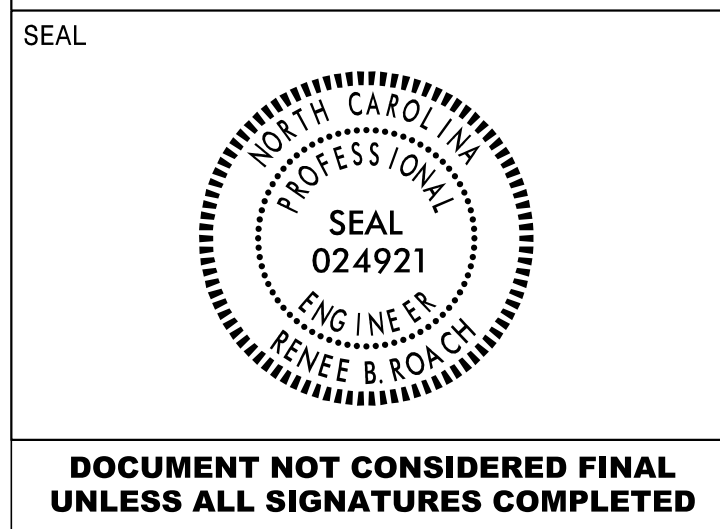
| | |
|---|--|
| <p style="text-align: center;">(401) QUANTITY REQ'D <u>4</u></p> <div style="text-align: center;">  <p style="font-size: 8px;">30" X 30" W3-2</p> <p style="font-size: 8px;">ONE "U" POST PER SIGN</p> </div> | <p style="text-align: center;">(404) QUANTITY REQ'D <u>2</u></p> <div style="text-align: center;">  <p style="font-size: 8px;">Indian Trail Fairview Rd</p> <p style="font-size: 8px;">SEE SIGN DESIGN SHEET</p> <p style="font-size: 8px;">MOUNT BELOW SIGN 403</p> </div> |
| <p style="text-align: center;">(402) QUANTITY REQ'D <u>8</u></p> <div style="text-align: center;">  <p style="font-size: 8px;">36 X 36 X 36 R1-2</p> <p style="font-size: 8px;">ONE "U" POST PER SIGN</p> </div> | <p style="text-align: center;">(405) QUANTITY REQ'D <u>2</u></p> <div style="text-align: center;">  <p style="font-size: 8px;">Lawyers Rd</p> <p style="font-size: 8px;">SEE SIGN DESIGN SHEET</p> <p style="font-size: 8px;">MOUNT BELOW SIGN 403</p> </div> |
| <p style="text-align: center;">(403) QUANTITY REQ'D <u>4</u></p> <div style="text-align: center;">  <p style="font-size: 8px;">30" X 30" W2-6</p> <p style="font-size: 8px;">ONE "U" POST PER SIGN</p> </div> | <p style="text-align: center;">(406) QUANTITY REQ'D <u>2</u></p> <div style="text-align: center;">  <p style="font-size: 8px;">SPEED LIMIT 45</p> <p style="font-size: 8px;">24" X 30" R2-1</p> <p style="font-size: 8px;">ONE "U" POST PER SIGN</p> </div> |
| <p style="text-align: center;">(407) QUANTITY REQ'D <u>4</u></p> <div style="text-align: center;">  <p style="font-size: 8px;">30" X 24" R6-4</p> <p style="font-size: 8px;">ONE "U" POST PER SIGN</p> </div> | <p style="text-align: center;">(408) QUANTITY REQ'D <u>4</u></p> <div style="text-align: center;">  <p style="font-size: 8px;">30" X 24" R4-7</p> <p style="font-size: 8px;">ONE "U" POST PER SIGN</p> </div> |

INDEX

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

CONTRACT:

APPROVED: *Renee B. Roach*
DATE: 03/16/2023



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SIGN NUMBER: 301 BACKG COLOR: Green DESIGN BY: J.Navarrete CHECKED BY: Jan 24, 2022
 TYPE: D COPY COLOR: White PROJECT ID: W-5710AR LOCATION: DIV: 10
 QUANTITY: 1

| SYMBOL | X | Y | WID | HT |
|--------|---|---|-----|----|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

SIGN WIDTH: 3'-6"
 HEIGHT: 2'-0"
 TOTAL AREA: 7.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0"
 WIDTH: 0.75"
 RADII: 2.25"
 NO. Z BARS: MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH:

USE NOTES: 1,2
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

| Letter spacings are to start of next letter | | | | | | | | | | | | | Series/Size |
|---|-----|-----|-----|-----|---|-----|-----|-----|-----|-----|-----|--|-------------|
| F | a | i | r | v | i | e | w | | | | | | Text Length |
| 5.5 | 4.2 | 4.6 | 2.2 | 2.5 | 5 | 1.9 | 3.9 | 6.8 | 5.5 | | | | D 2000 |
| | | | | | | | | | | | | | 31 |
| C | i | t | y | | L | i | m | i | t | | | | D 2000 |
| 8.9 | 3.5 | 1.1 | 1.7 | 3 | 3 | 3 | 1.4 | 4.7 | 1.1 | 1.6 | 8.9 | | 24.2 |

FILENAME: W-5710AR Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 404 BACKG COLOR: Yellow DESIGN BY: J.Navarrete CHECKED BY: Jan 24, 2022
 TYPE: E COPY COLOR: Black PROJECT ID: W-5710AR LOCATION: DIV: 10
 QUANTITY: 2

| SYMBOL | X | Y | WID | HT |
|--------|---|---|-----|----|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

SIGN WIDTH: 4'-0"
 HEIGHT: 1'-0"
 TOTAL AREA: 4.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0.38"
 WIDTH: 0.38"
 RADII: 1.5"
 NO. Z BARS: MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH:

USE NOTES: 1,2
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

LETTER POSITIONS

| Letter spacings are to start of next letter | | | | | | | | | | | | | | | | | Series/Size | | | | | | | | | | |
|---|-----|-----|-----|---|-----|-----|---|---|-----|-----|-----|-----|---|-----|-----|-----|-------------|---|-----|-----|---|-----|-----|-----|--|-------------|------|
| I | n | d | i | a | n | | T | r | a | i | l | | F | a | i | r | v | i | e | w | | R | d | | | Text Length | |
| 4.2 | 1.3 | 1.9 | 2.1 | 1 | 2.1 | 1.4 | 2 | 2 | 1.2 | 2.1 | 1.2 | 0.5 | 2 | 1.8 | 2.1 | 1.2 | 2.1 | 1 | 1.7 | 2.2 | 2 | 2.1 | 1.5 | 4.2 | | B 2000 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | 39.6 |

FILENAME: W-5710AR Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: 405 BACKG COLOR: Yellow DESIGN BY: J.Navarrete CHECKED BY: Feb 01, 2022
 TYPE: E COPY COLOR: Black PROJECT ID: W-5710AR LOCATION: DIV: 10
 QUANTITY: 2

| SYMBOL | X | Y | WID | HT |
|--------|---|---|-----|----|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

SIGN WIDTH: 3'-0"
 HEIGHT: 1'-0"
 TOTAL AREA: 3.0 Sq.Ft.
 BORDER TYPE: FLUSH
 RECESS: 0.38"
 WIDTH: 0.38"
 RADII: 1.5"
 NO. Z BARS: MAT'L: 0.125" (3.2 mm) ALUMINUM
 LENGTH:

USE NOTES: 1,2
 1. Legend and border(except those that are colored black) shall be direct applied Grade C sheeting.
 2. Background shall be Grade C reflective sheeting.

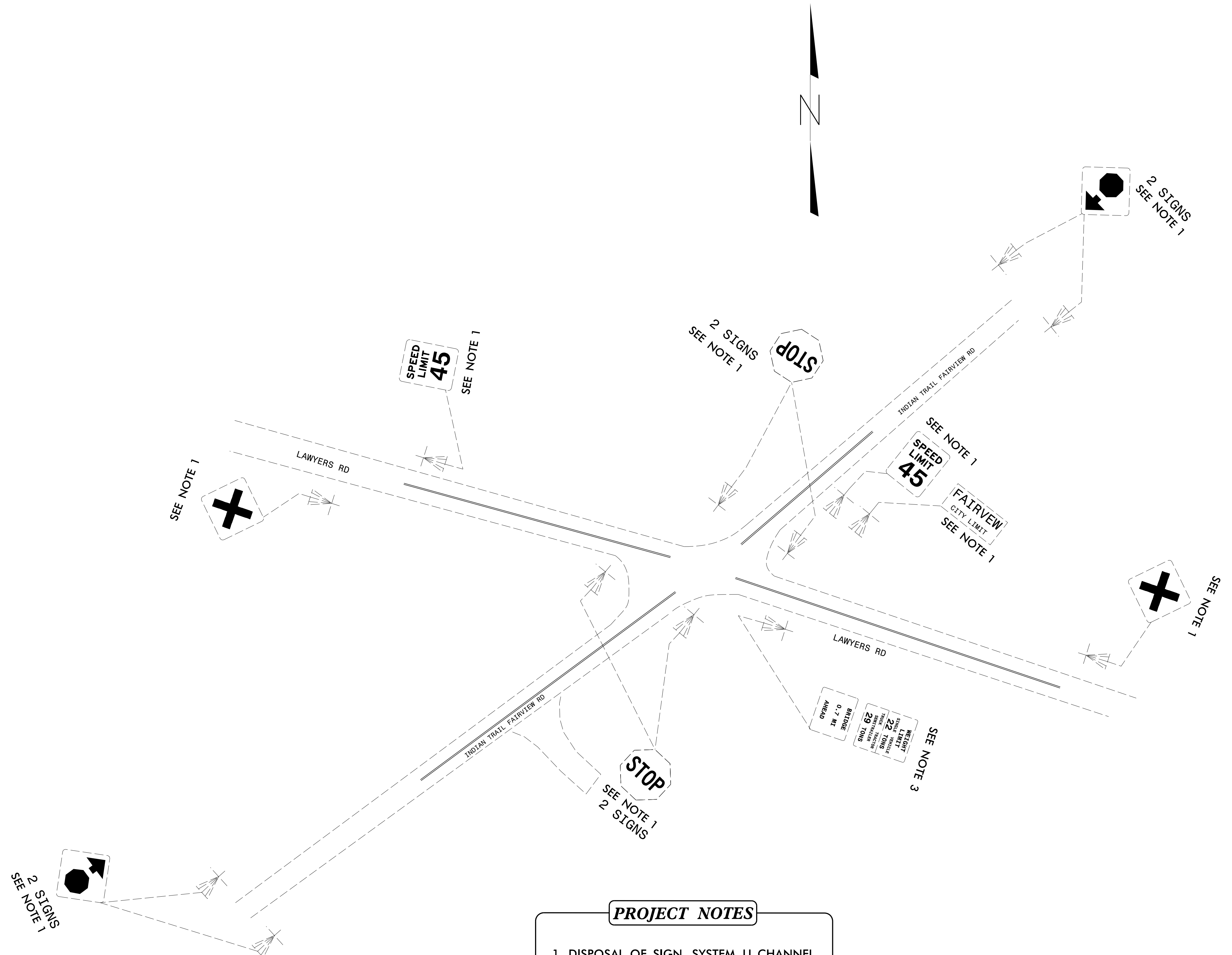
LETTER POSITIONS

| Letter spacings are to start of next letter | | | | | | | | | | | | | Series/Size |
|---|-----|-----|-----|-----|-----|-----|-----|---|-----|---|-----|--|-------------|
| L | a | w | y | e | r | s | | R | d | | | | Text Length |
| 5.5 | 2.3 | 2.3 | 3.9 | 2.8 | 2.6 | 1.6 | 1.7 | 3 | 2.7 | 2 | 5.5 | | C 2000 |
| | | | | | | | | | | | | | 24.9 |

FILENAME: W-5710AR Sign Designs NORTH CAROLINA D.O.T. SIGN DETAIL

03/18/22
S:\S&U\Western Region\W-5710AR\W-5710AR_Sign Designs.dgn
User: jnavarrete


SIGN DESIGNS

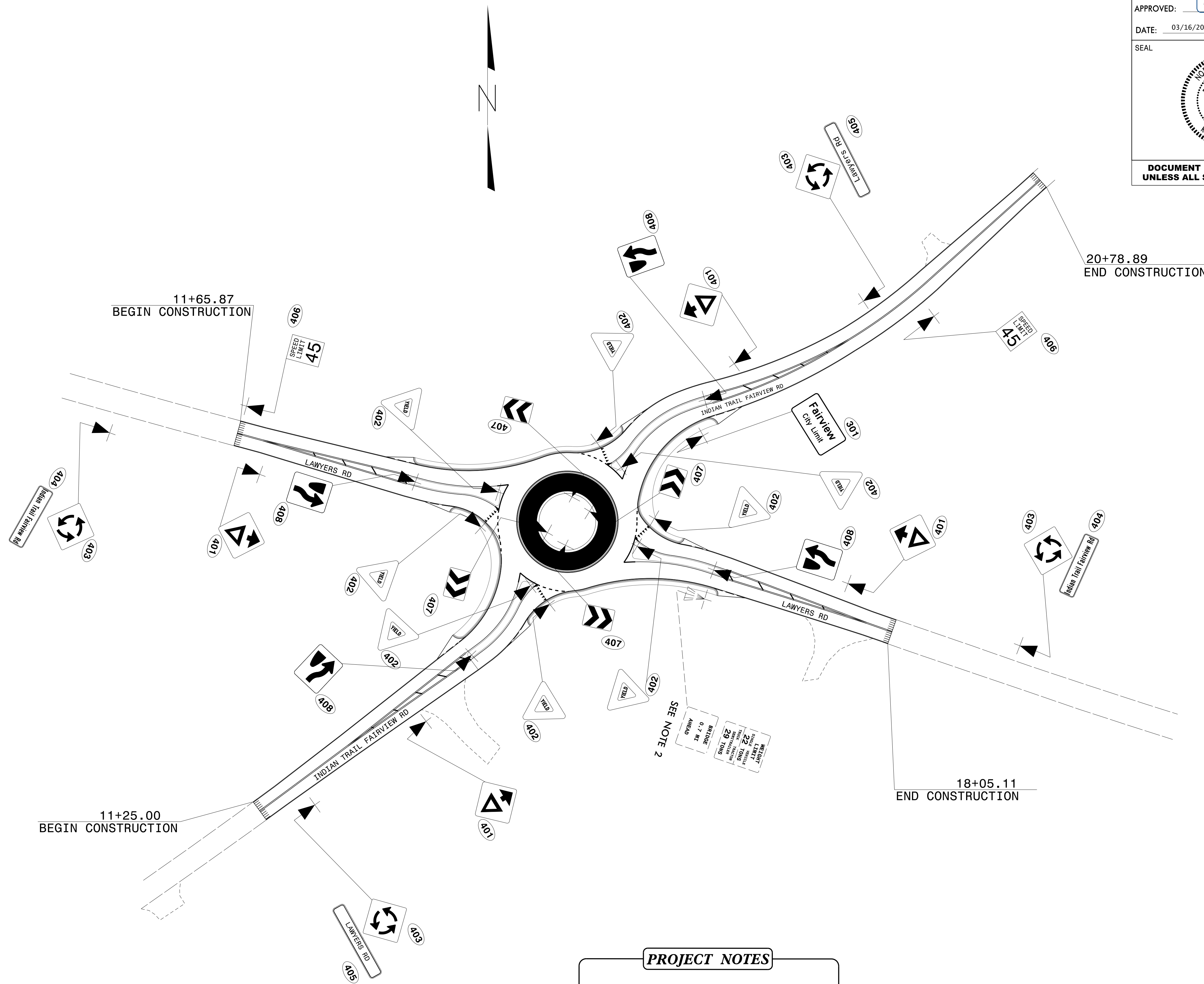


PROJECT NOTES

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

EXISTING

| | |
|---|----------------------------|
| PROJECT REFERENCE NO. W-5710AR | SHEET NO. SIGN-4 |
| APPROVED: <i>Renee B. Roach</i> <small>RENEE B. ROACH</small> | |
| DATE: 03/16/2023 | |
| SEAL | |
|  | |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED | |



- PROJECT NOTES**
- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
 - 2 SIGN ERECTION, RELOCATE SIGN TYPE E
 - 3 DISPOSAL OF U-CHANNEL POST

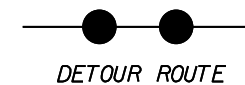
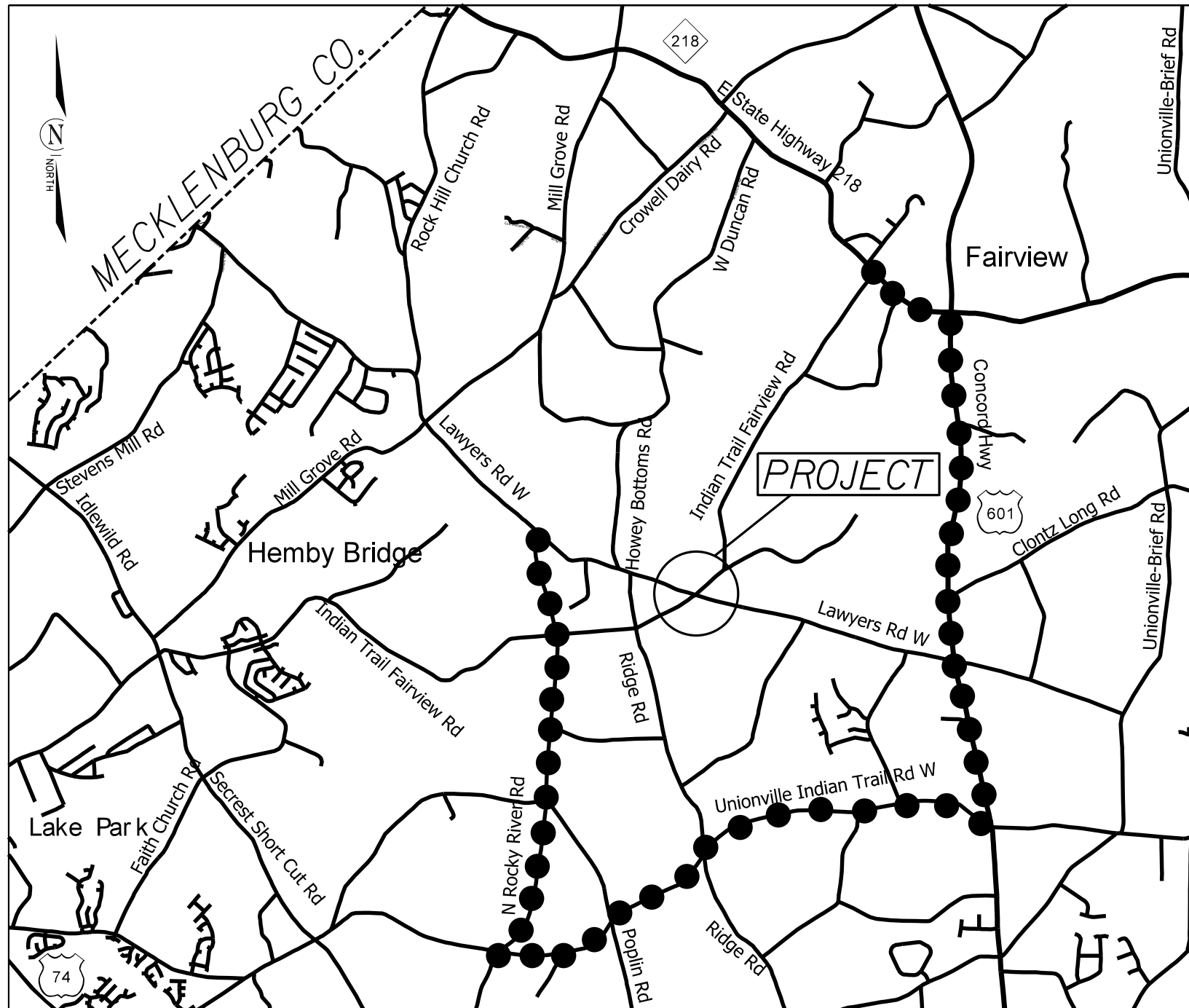
PROPOSED

| | |
|--------------------------------|-----------|
| PROJECT NO. | SHEET NO. |
| 44856.3.46 | TCP-1 |
| F.A. PROJECT NO. HSP-100410721 | |

ROADWAY DESIGN
ENGINEER
03/29/2023
PROFESSIONAL
SEAL
042673
J. J. ...

OFFSITE DETOUR

OFFSITE DETOUR TO BE INSTALLED AND MAINTAINED BY NCDOT.



ROUNDAABOUT AT THE INTERSECTION OF
INDIAN-TRAIL FAIRVIEW RD (SR-1520) AND
LAWYERS RD (SR-1004)

| SCALE | N/A | REVISIONS |
|-----------|--------|-----------|
| DATE | 5-2022 | |
| DWG. BY | CEB | |
| DESIGN BY | JDH | |
| APPROVED | JDH | |



| | |
|------------|-----------|
| T.I.P. NO. | SHEET NO. |
| 44856.3.46 | UO-1 |

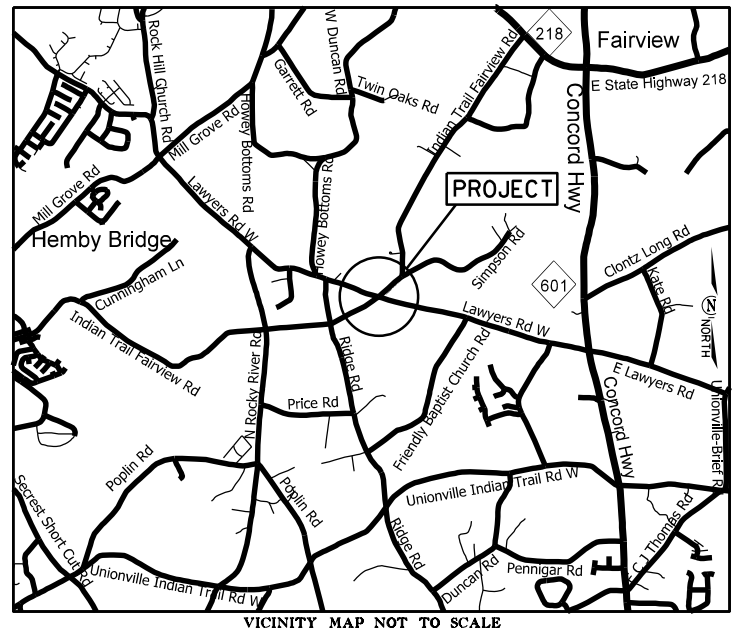
NOTE:
 ALL UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS.
 NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR UTILITY WORK SHOWN ON THIS SHEET.

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

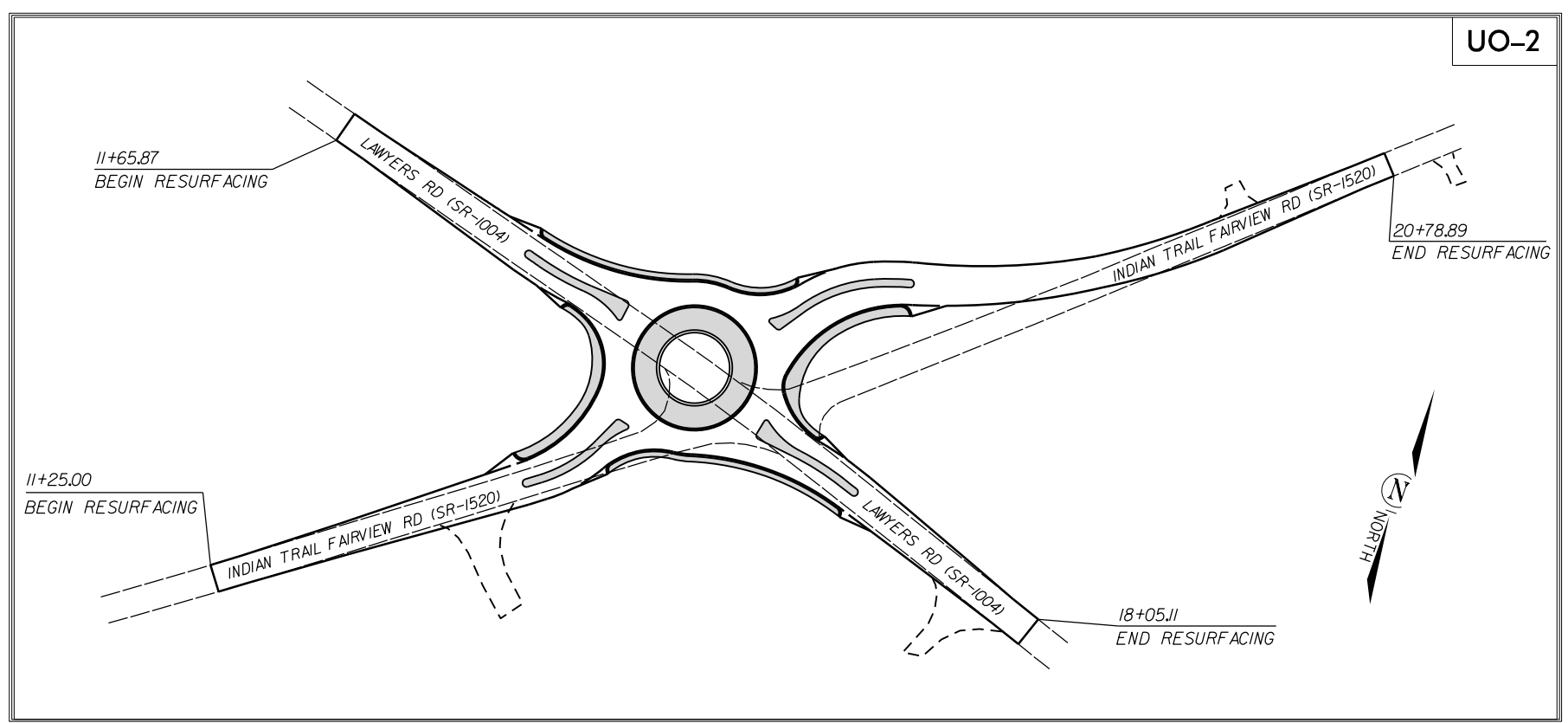
UTILITIES BY OTHERS PLANS
UNION COUNTY

LOCATION: LAWYERS RD (SR-1004) AND INDIAN-TRAIL FAIRVIEW RD (SR-1532) NEAR FAIRVIEW

TYPE OF WORK: UTILITIES BY OTHERS



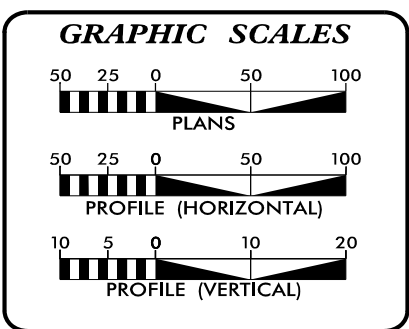
VICINITY MAP NOT TO SCALE



UO-2

TIP PROJECT: W-5710AR

29-MAR-2023 12:39 S:\DDC\ROY\Union\W-5710AR_Lawyers.s.Indian Trail\Fairview_RAB_UBO_tsh.dgn



INDEX OF SHEETS

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

UTILITY OWNERS WITH CONFLICTS

(A) TELECOMMUNICATIONS - FRONTIER
 (B) TELECOMMUNICATIONS - SPECTRUM-CHARTER
 (C) TELECOMMUNICATIONS - AT+T
 (D) GAS - PROGRESS ENERGY

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 PRESSLAR UTILITIES COORDINATOR



AT+T CABLE REPLACEMENT CONTINUES APPROX. 730', 3' DEPTH, 4' FROM EOP TO PROPOSED HANDHOLE, ROAD BORE USED TO CROSS UNDER LAWYERS RD

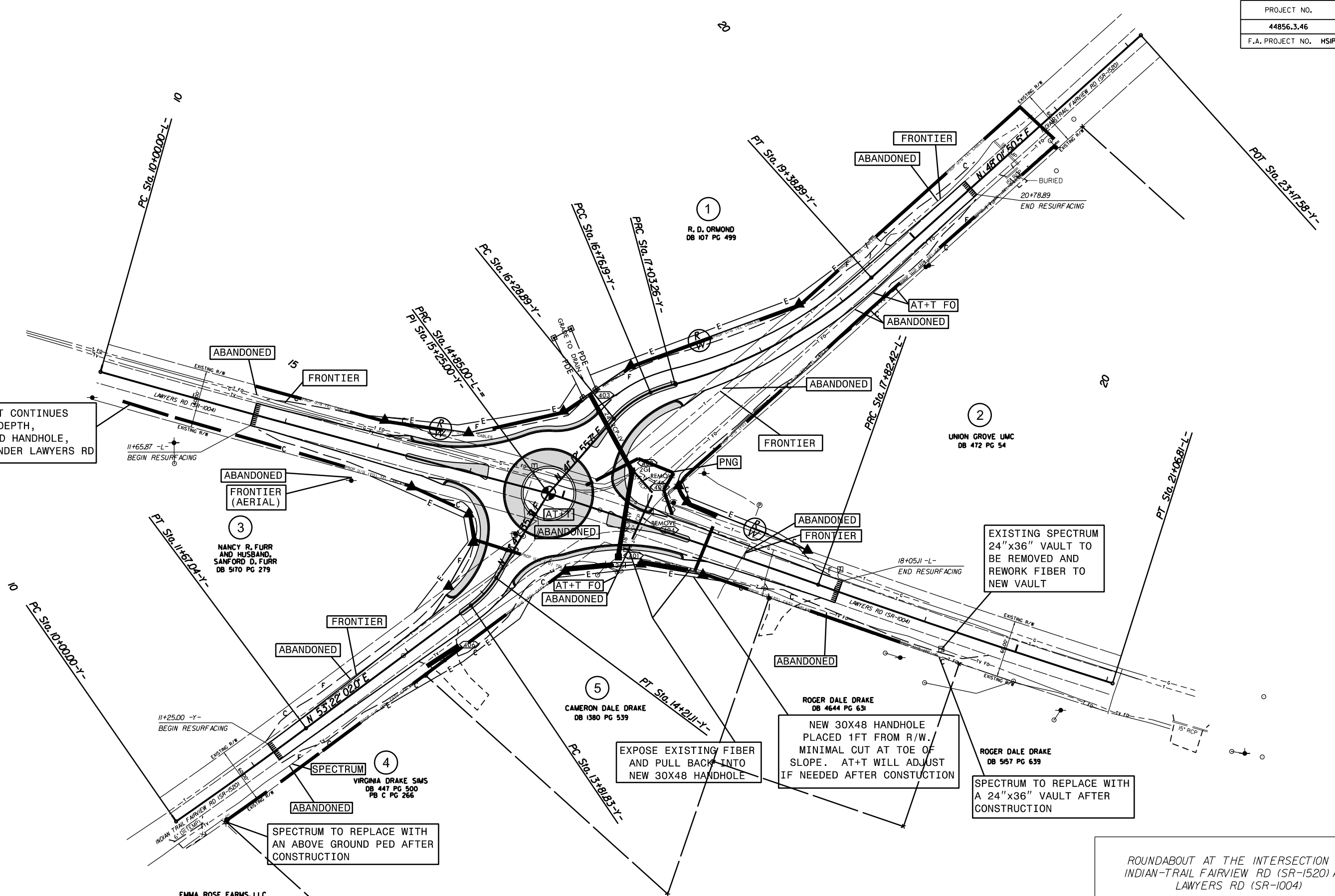
EXISTING SPECTRUM 24"x36" VAULT TO BE REMOVED AND REWORK FIBER TO NEW VAULT

NEW 30X48 HANDHOLE PLACED 1FT FROM R/W. MINIMAL CUT AT TOE OF SLOPE. AT+T WILL ADJUST IF NEEDED AFTER CONSTRUCTION

SPECTRUM TO REPLACE WITH A 24"x36" VAULT AFTER CONSTRUCTION

SPECTRUM TO REPLACE WITH AN ABOVE GROUND PED AFTER CONSTRUCTION

EXPOSE EXISTING FIBER AND PULL BACK INTO NEW 30X48 HANDHOLE

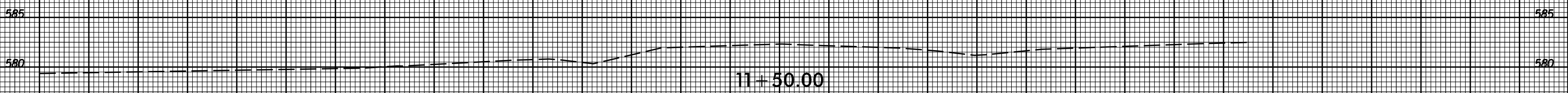
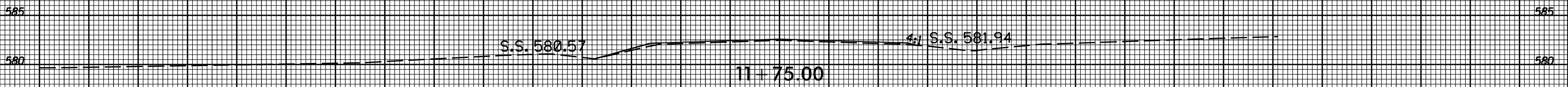
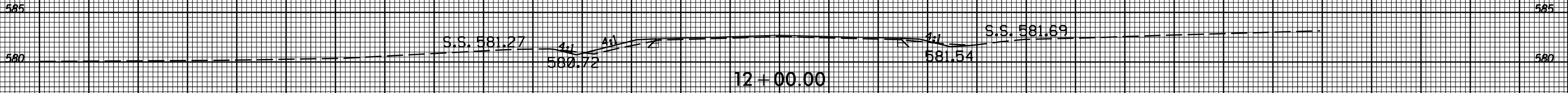
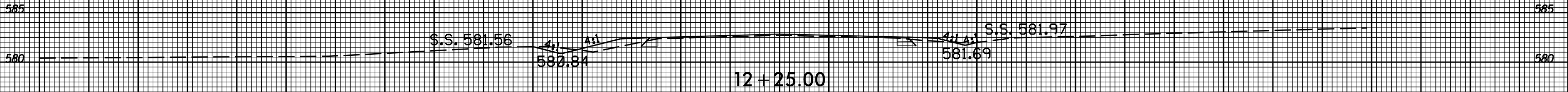


ROUNDABOUT AT THE INTERSECTION OF INDIAN-TRAIL FAIRVIEW RD (SR-1520) AND LAWYERS RD (SR-1004)

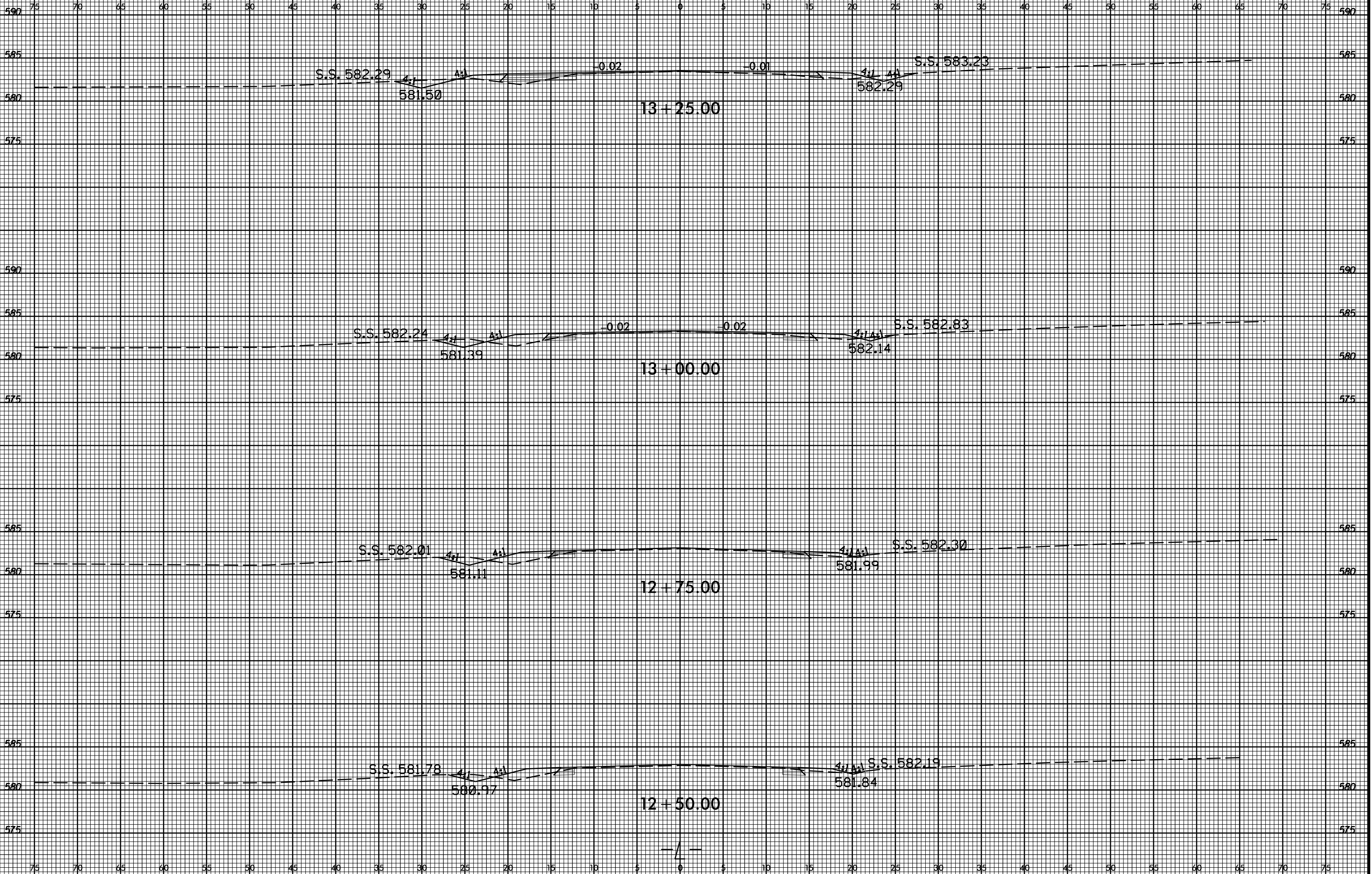
| | | | |
|-----------|---------|--|-----------|
| SCALE | 1"=50' | | REVISIONS |
| DATE | 10-2022 | | |
| DWG. BY | CEB | | |
| DESIGN BY | CEB | | |
| APPROVED | JDH | | |

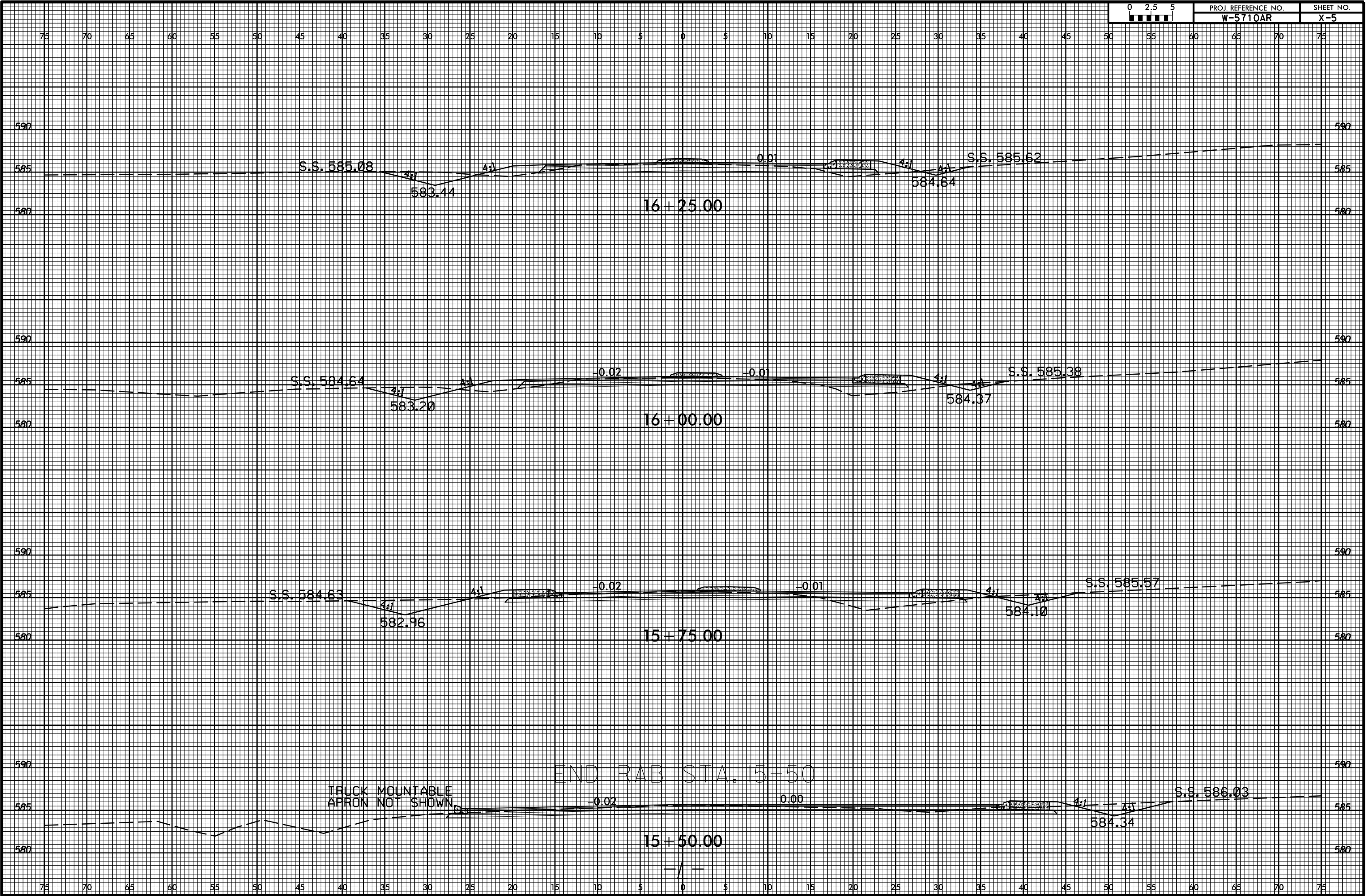


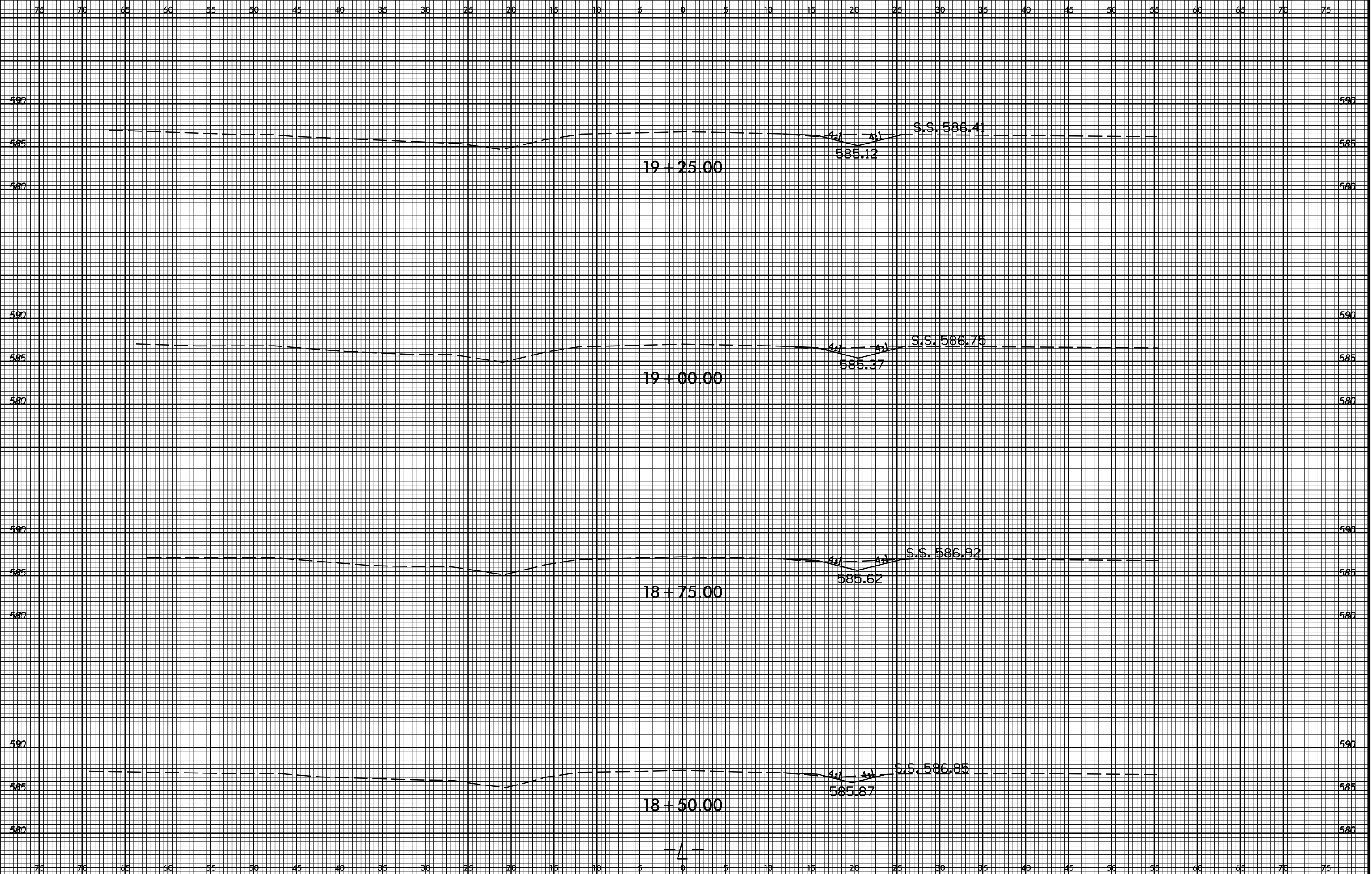
75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75



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

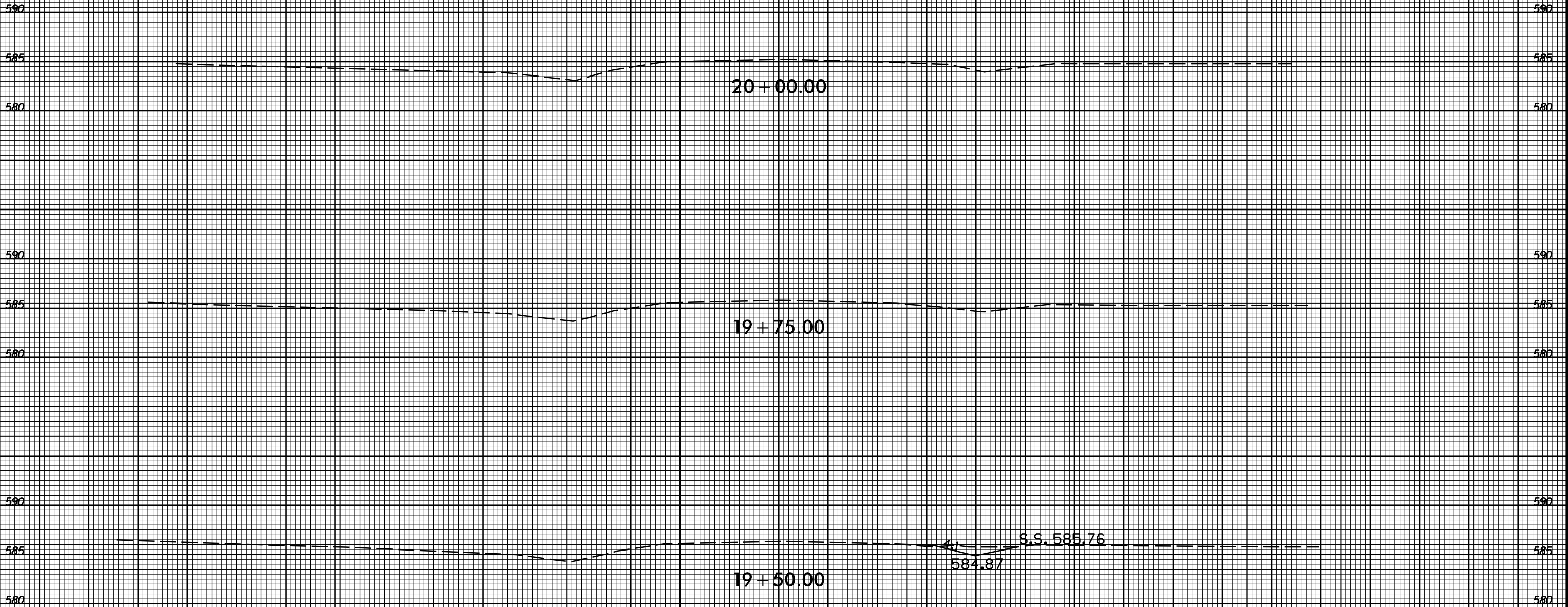






I:\MAR-2013\1400_S:\DDC\2013\work\W-5710AR\Lowyers_Indian Trail\Fairview_um5_xpl.dgn
\$\$\$\$\$USERNAME\$\$\$\$\$

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



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

595 595

590 590

585 585

S.S. 587.75 41 41 S.S. 589.04

587.58

12+50.00

595 595

590 590

585 585

S.S. 587.86 41 41 S.S. 589.08

588.17

12+25.00

595 595

590 590

585 585

S.S. 587.93 41 41 S.S. 589.08

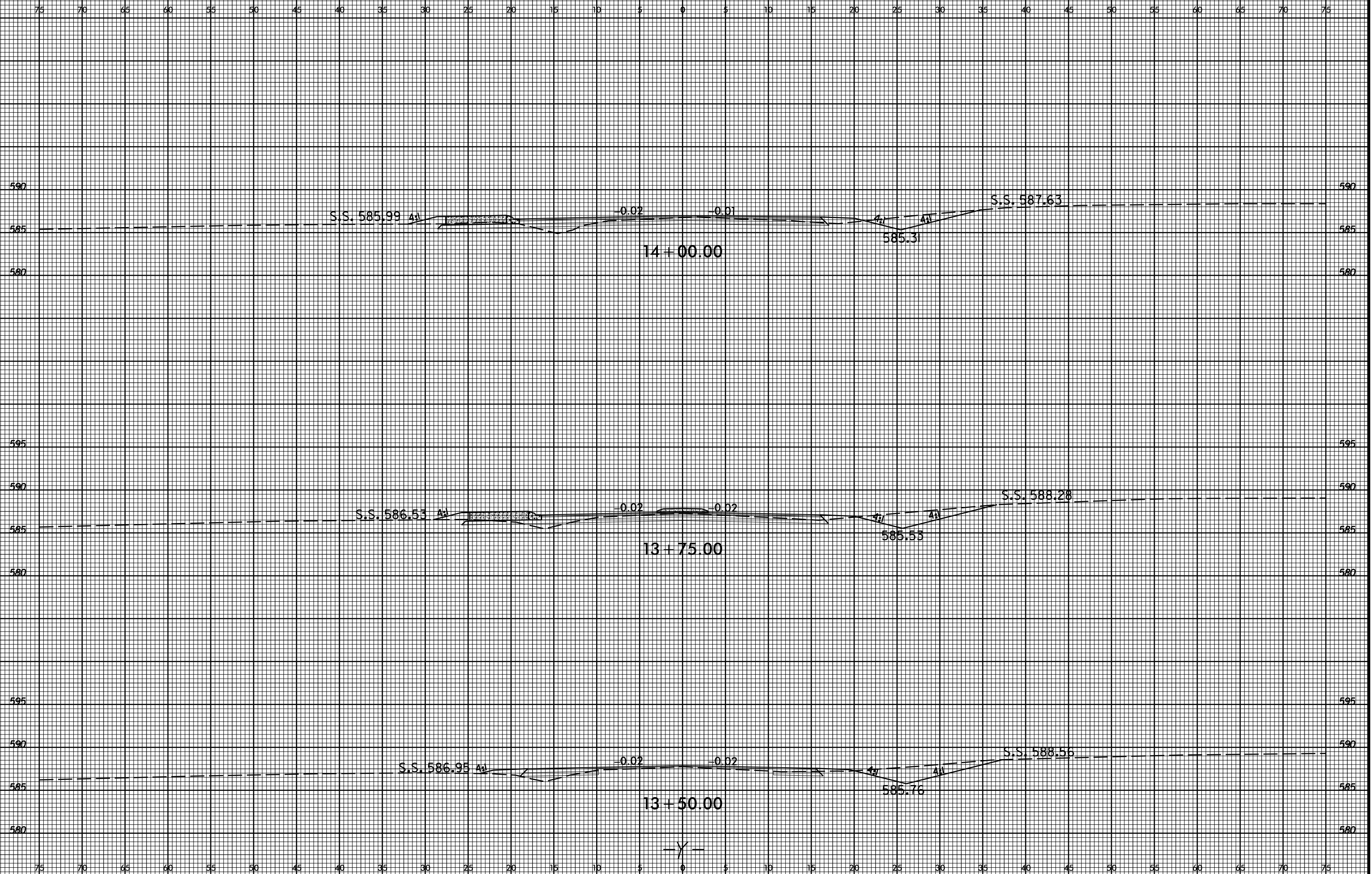
588.06

12+00.00

-Y-

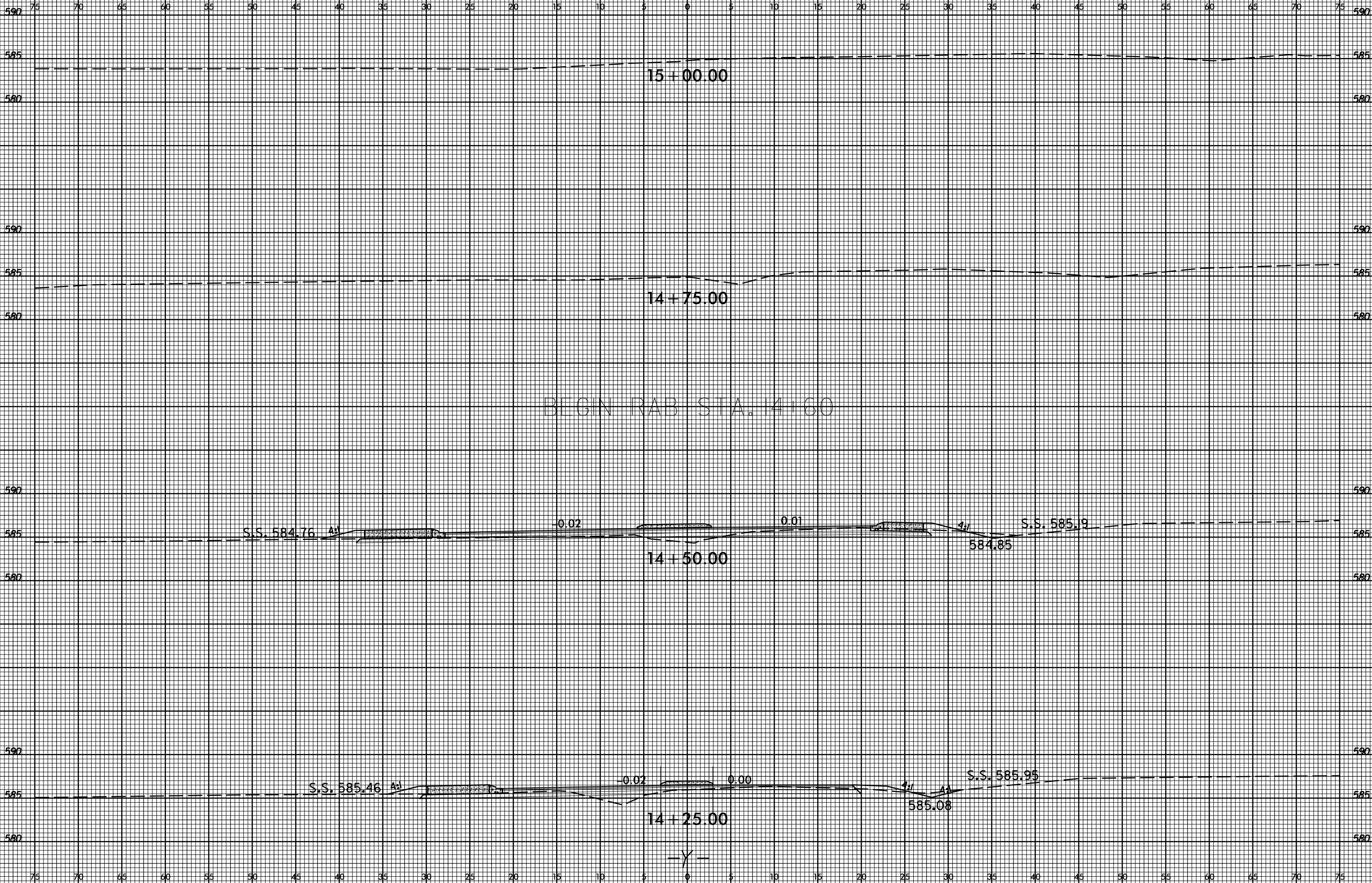
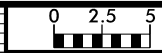
75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

I3-MAR-2023 11:41 S:\DDC\2023\1100AR_Lowyers_Indian Trail\Fairview_um5_xpl_Y.dgn \$\$\$USERNAME\$\$\$



I:\MAR-2013\145 S:\DDC\2013\145\1307\W-5710AR\Lowyers_Indian Trail\Fairview_um5_xpl_y.dgn
\$\$\$\$\$USERNAME\$\$\$\$\$

--Y--



13-MAR-2023 14:16 S:\DDC\2023\1\proj\W-5710AR_Lowyers_Indian Trail\Fairview_um5_xpl_Y.dgn \$\$\$USERNAME\$\$\$

-Y-



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 RAB STA. 15+90

590 590

585 585

580 580

15+75.00

590 590

585 585

580 580

15+50.00

590 590

585 585

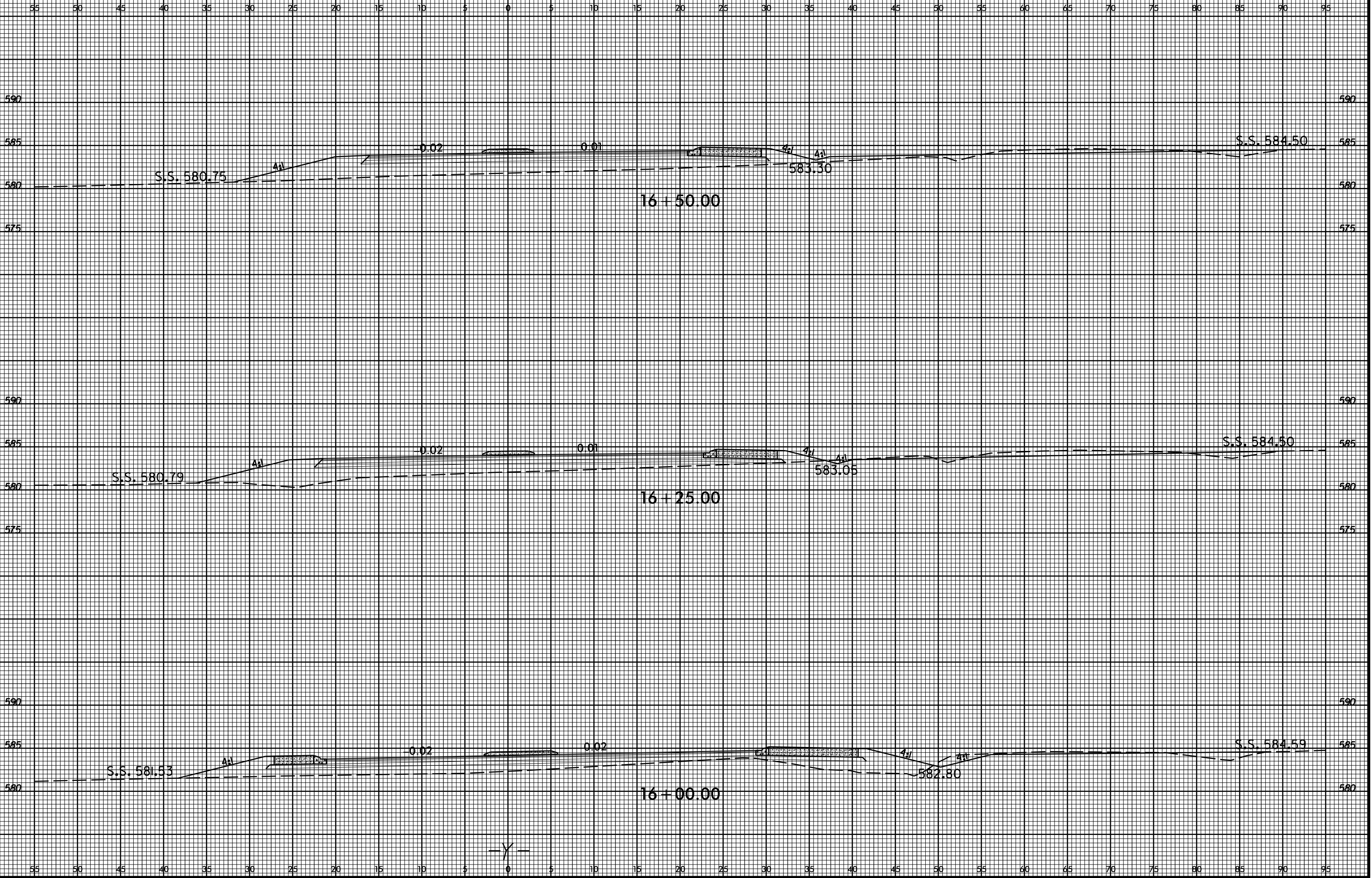
580 580

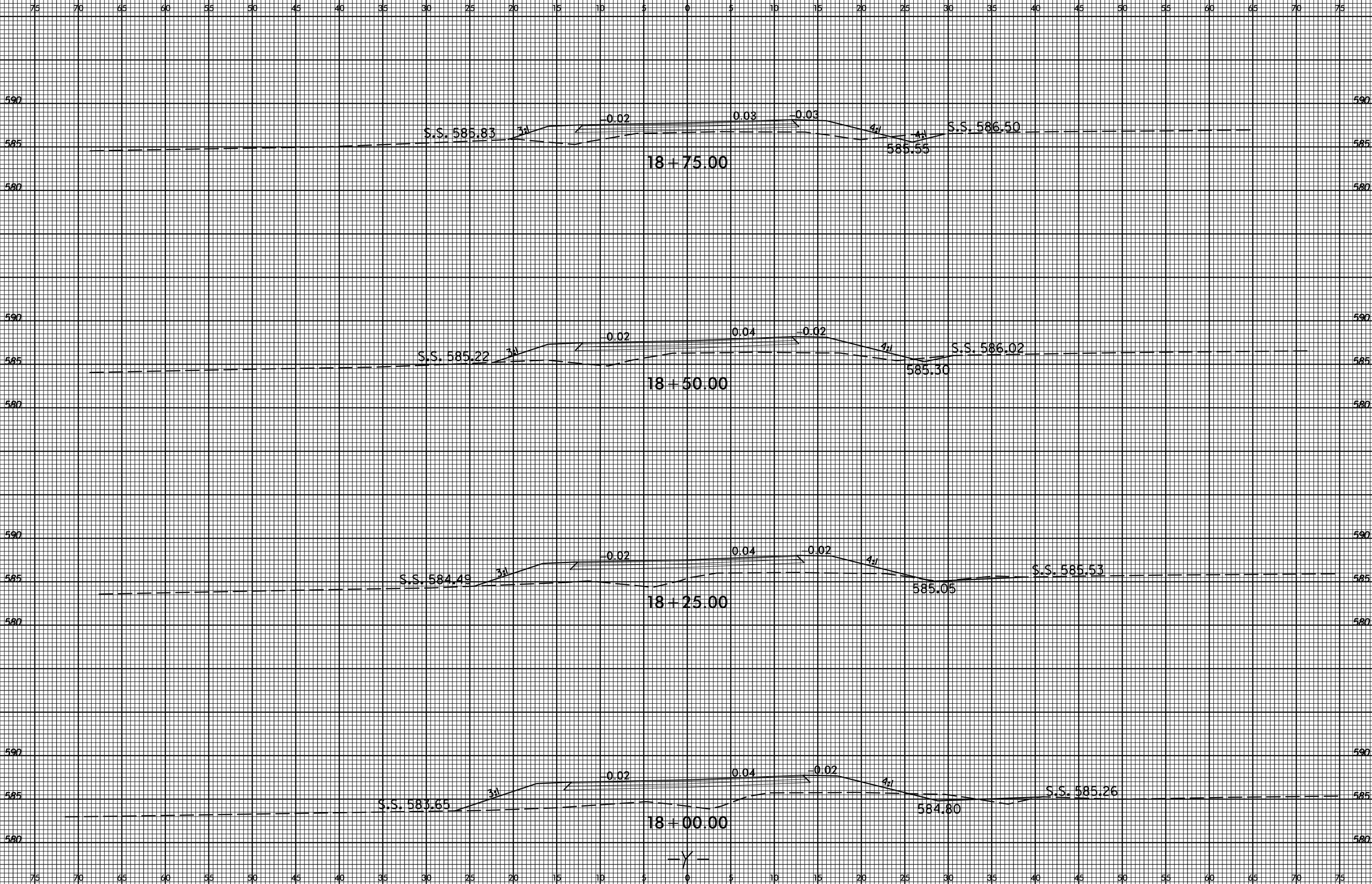
15+25.00

-Y-

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\147 S:\DDC\20\Y\1\100\W-5710AR_Lowjers_Indian Trail\Fairview_RAB\XSC\W-5710AR_Lowjers_Indian Trail\Fairview_um5_xpl_Y.dgn \$\$\$USERNAME\$\$\$

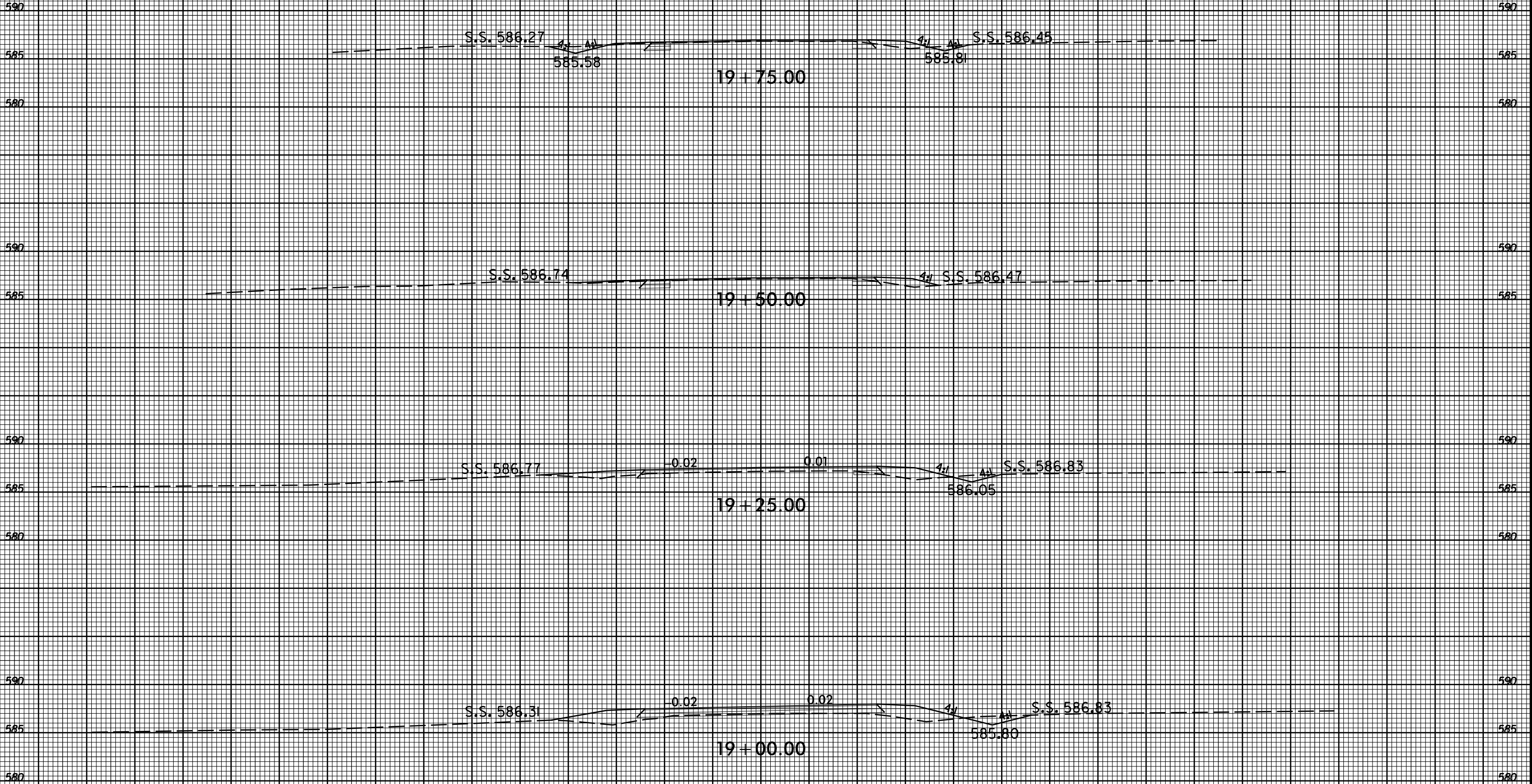




I:\MAR-2023\1155\5\DDC\20\Y\Incon\W-5710AR_Lowyers_Indian Trail\Fairview_um5_xpl_Y.dgn
\$\$\$\$\$USERNAME\$\$\$\$\$



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--



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

590 590

585 S.S. 584.30 584.08 S.S. 585.22 585

580 20+75.00 580

590 590

585 S.S. 584.64 584.33 S.S. 584.82 585

580 20+50.00 580

590 590

585 S.S. 585.19 584.55 S.S. 585.29 585

580 20+25.00 580

590 590

585 S.S. 585.64 585.03 S.S. 586.14 585.45 585

580 20+00.00 580

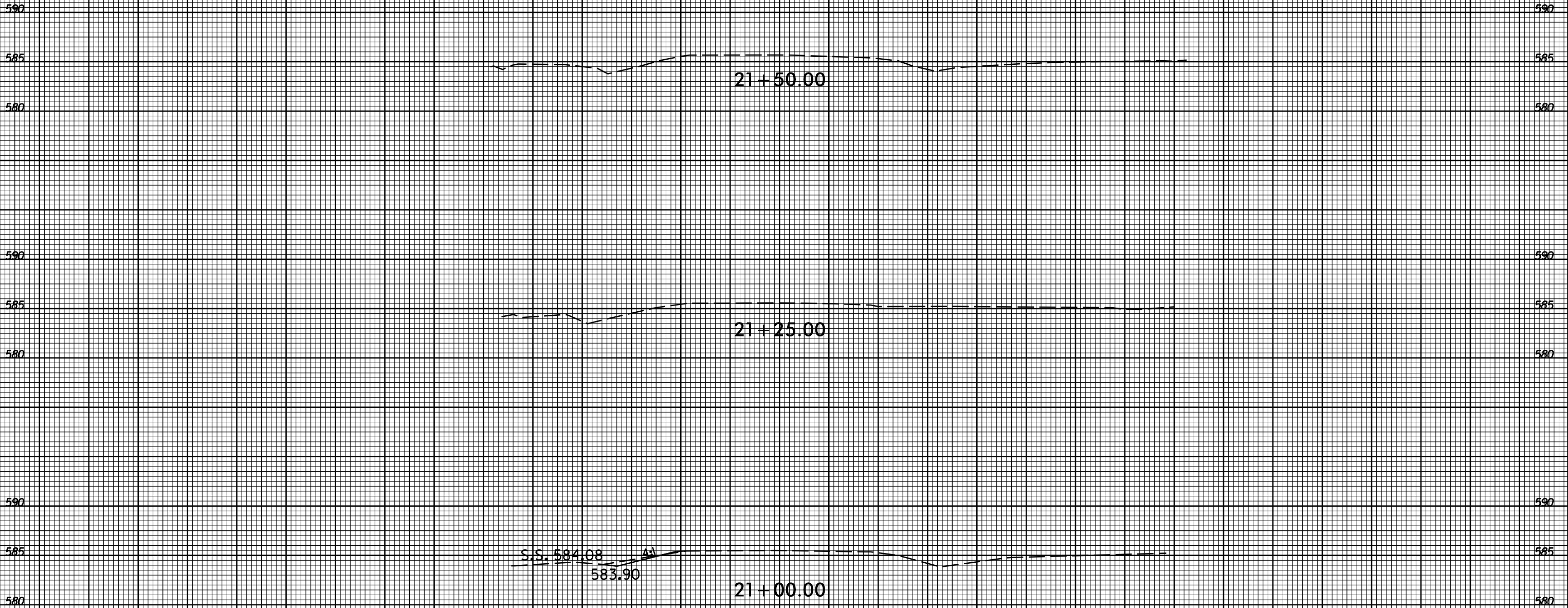
-Y-

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:\3-MAR-2013 11:36 S:\DDC\2013\1000\W-5710AR_Lowyers_Indian Trail\Fairview_um5_xpl_Y.dgn \$\$\$USERNAME\$\$\$



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-

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\1637\5\DDC\30\W\proj\W-5710AR_Lowyers_Indian Trail\Fairview_um5_xpl_Y.dgn
\$\$\$\$\$USERNAME\$\$\$\$\$