

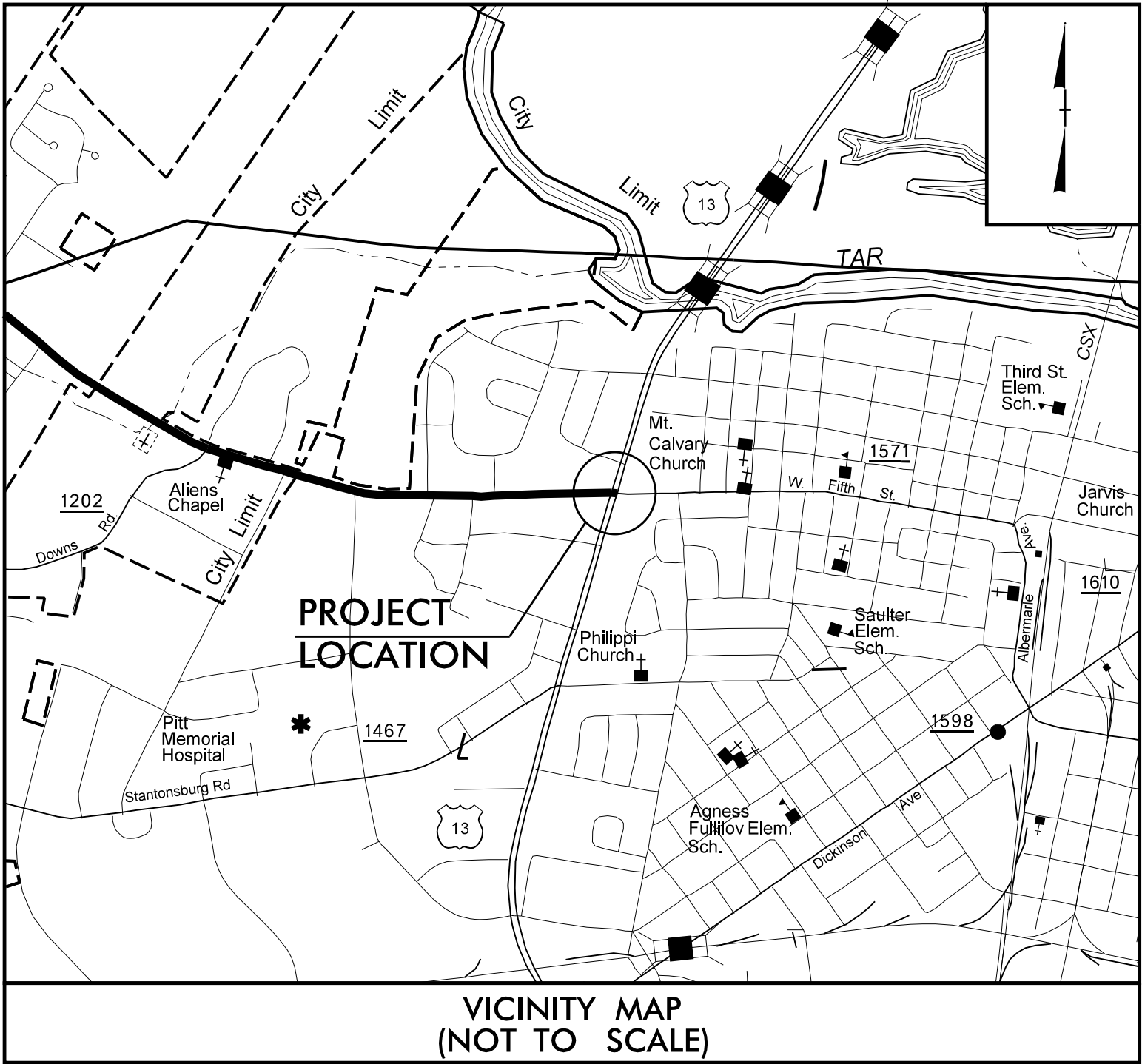
09_08/2019

6/8/2026
2:24:23 PM
N:\Projects\U5730_RDY_TSH.dgn

TIP PROJECT: U-5730

CONTRACT: DB00626

See Sheet 1A-1 for Index of Sheets
See Sheet 1B for Sheet Symbology



VICINITY MAP
(NOT TO SCALE)

FINAL PLANS

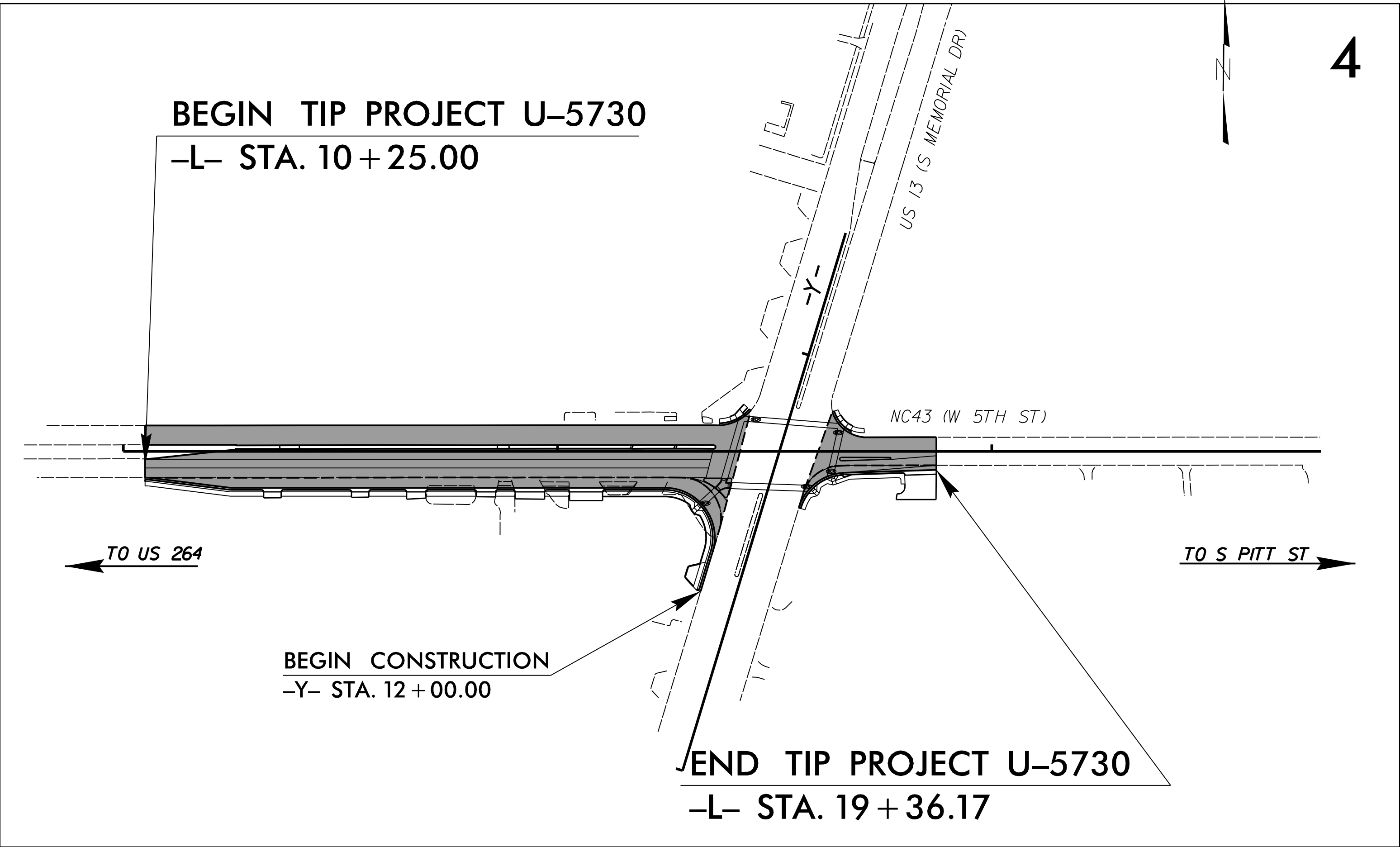
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PITT COUNTY

LOCATION: INTERSECTION AT US-13 AND NC 43 (W 5TH ST)

TYPE OF WORK: DRAINAGE, GRADING, PAVING, AND SIGNAL

FINAL PLANS

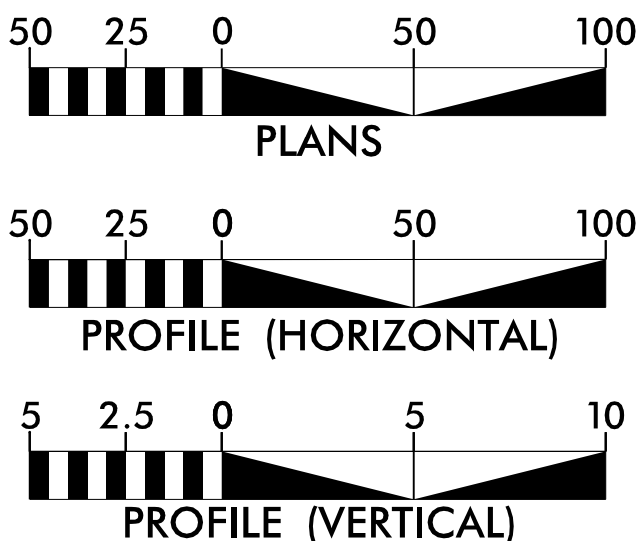


THERE IS NO CONTROL OF ACCESS ON THIS PROJECT

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5730	1	62
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
54021.1.1	N/A	P.E.	
54021.2.1	N/A	R/W	
54021.3.1	N/A	CONST.	



GRAPHIC SCALES

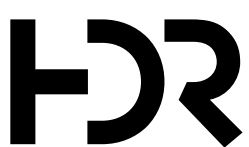


DESIGN DATA

ADT 2015 = 16,000
ADT 2035 = 20,000
K = - %
D = - %
T = 5% %
V = 50 MPH
(TTST = 3% + DUAL = 2%)
FUNC CLASS =
MINOR ARTERIAL
STATEWIDE TIER

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT U-5730 = 0.173 MILES
LENGTH STRUCTURES TIP PROJECT U-5730 = 0.000 MILES
TOTAL LENGTH TIP PROJECT U-5730 = 0.173 MILES



Prepared In the Office of:
HDR Engineering, Inc. of the Carolinas
555 Fayetteville St., Suite 900 Raleigh, NC 27601
N.C.B.E.L.S. License Number: F-0116

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
MARCH 7, 2018

LETTING DATE:
JULY 8, 2026

PHILLIP E. ROGERS, P.E.
PROJECT ENGINEER

ANTHONY G. THOMPSON, P.E.
PROJECT DESIGN ENGINEER

CATHRINE HOSSACK, P.E.
NCDOT CONTACT



HYDRAULICS ENGINEER

6/8/2026

Signature: Melissa J. Massrock, P.E.

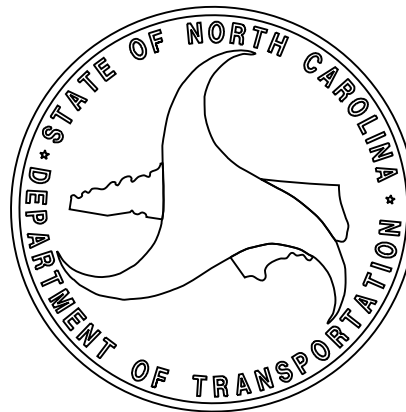


ROADWAY DESIGN ENGINEER

6/8/2026

Signature: Anthony G. Thompson, P.E.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA



8/17/99

SHEET NUMBER	INDEX OF SHEETS
	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS
1B	CONVENTIONAL SYMBOLS
RW01-RW04	SURVEY CONTROL SHEET & ROW SHEETS
2A-1	PAVEMENT SCHEDULE AND TYPICAL SECTIONS
2A-2	PEDESTRIAN ISLAND & CROSSWALK DETAIL
3B-1	ROADWAY SUMMARIES SHEET
3D-1	DRAINAGE SUMMARY
3G-1	GEOTECHNICAL SUMMARY
4	PLAN SHEET
4A	PLAN SHEET (w/ EXISTING UTILITIES)
5	PROFILE SHEET
TMP-1 THRU TMP-4	TRAFFIC MANAGEMENT PLAN
PMP-1 THRU PMP-2	PAVEMENT MARKING PLANS
EC-1 THRU EC-5	EROSION CONTROL PLANS
SIGN-1 THRU SIGN-3	SIGNING PLANS
SCP-1 THRU SIG-2.2	SIGNAL PLANS
UC-1 THRU UC-7	UTITLITY CONSTRUCTION
UO-1 THRU UO-2	UTITLITIES BY OTHERS
X-1 THRU X-6	CROSS-SECTIONS

EFF. 01-16-2024
REV.

2024 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Contracts Standards and Development Unit - N. C. Department of Transportation - Raleigh, N. C., Dated January 16, 2024 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO.	TITLE
DIVISION 2 - EARTHWORK	
200.02	Method of Clearing - Method II
225.02	Guide for Grading Subgrade - Secondary and Local
225.05	Method of Obtaining Superelevation - Divided Highways
DIVISION 3 - PIPE CULVERTS	
300.01	Method of Pipe Installation
310.10	Driveway Pipe Construction
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS	
560.01	Method of Shoulder Construction - High Side of Superelevated Curve - Method I
DIVISION 6 - ASPHALT BASES AND PAVEMENTS	
654.01	Pavement Repairs
DIVISION 7 - CONCRETE PAVEMENTS AND SHOULDERS	
700.05	Tying Proposed Pavement to Existing
DIVISION 8 - INCIDENTALS	
806.01	Concrete Right-of-Way Marker
806.02	Granite Right-of-Way Marker
838.11	Brick Endwall for Single and Double Pipe Culverts - 15" thru 48" Pipe 90 Skew
840.02	Concrete Catch Basin - 12" thru 54" Pipe
840.03	Frame, Grates and Hood - for Use on Standard Catch Basin
840.04	Concrete Open Throat Catch Basin - 12" thru 48" Pipe
840.05	Brick Open Throat Catch Basin - 12" thru 48" Pipe
840.15	Brick Drop Inlet - 12" thru 30" Pipe
840.16	Drop Inlet Frame and Grates - for use with Std. Dwg 840.14 and 840.15
840.27	Brick Grated Drop Inlet Type 'B' - 12" thru 36" Pipe
840.29	Frames and Narrow Slot Flat Grates
840.34	Traffic Bearing Junction Box - for Use with Pipes 42" and Under
840.54	Manhole Frame and Cover
840.72	Pipe Collar
846.01	Concrete Curb, Gutter and Curb & Gutter
848.01	Concrete Sidewalk (Use Detail in Lieu of Standard for Sheet 1 of 1)
848.02	Driveway Turnout - Radius Type
848.04	Street Turnout
848.06	Curb Ramp (Use Details in Lieu of Standards for Sheets 9 and 10 of 13)
852.01	Concrete Islands

GENERAL NOTES:

2024 SPECIFICATIONS
EFFECTIVE: 01-16-2024
REVISED:

GRADE LINE:

GRADING AND SURFACING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

CLEARING:

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

SUPERELEVATION:

ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.05 USING THE RATE OF SUPERELEVATION AND RUNOFF SHOWN ON THE PLANS. SUPERELEVATION IS TO BE REVOLVED ABOUT THE GRADE POINTS SHOWN ON THE TYPICAL SECTIONS.

SHOULDER CONSTRUCTION:

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

SIDE ROADS:

THE CONTRACTOR WILL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE SUITABLE CONNECTIONS WITH ALL ROADS, STREETS, AND DRIVES ENTERING THIS PROJECT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS INVOLVED.

DRIVEWAYS:

DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 848.02 USING 3 FOOT RADII OR RADII AS SHOWN ON THE PLANS. LOCATIONS OF DRIVES WILL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

STREET TURNOUT:

STREET RETURNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 848.04 USING THE RADII NOTED ON PLANS.

TEMPORARY SHORING:

SHORING REQUIRED FOR THE MAINTENANCE OF TRAFFIC WILL BE PAID FOR AS "EXTRA WORK" IN ACCORDANCE WITH SECTION 104-7.

SUBSURFACE PLANS:

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE

WATER AND SEWER - GREENVILLE UTILITIES COMMISSION (GUC);

POWER-GUC; TELECOM-BRIGHTSPEED; TELECOM - OPTIMUM;

GAS - GUC;

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS, EXCEPT AS SHOWN ON THE PLANS.

RIGHT-OF-WAY MARKERS:

ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY OTHERS.

CURB RAMPS

CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. CONSTRUCT ALL CURB RAMPS ACCORDANCE WITH STD 848.06.

PROJECT REFERENCE NO.	SHEET NO.
U-5730	1A

ROADWAY DESIGN
ENGINEER



5/13/2026

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

 HDR Engineering, Inc. of the Carolinas
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

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

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

BOUNDARIES AND PROPERTY:

State Line	
County Line	
Township Line	
City Line	
Reservation Line	
Property Line	
Existing Iron Pin	
Property Corner	
Property Monument	
Parcel/Sequence Number	
Existing Fence Line	
Proposed Woven Wire Fence	
Proposed Chain Link Fence	
Proposed Barbed Wire Fence	
Existing Wetland Boundary	
Proposed Wetland Boundary	
Existing Endangered Animal Boundary	
Existing Endangered Plant Boundary	
Existing Historic Property Boundary	
Known Contamination Area: Soil	
Potential Contamination Area: Soil	
Known Contamination Area: Water	
Potential Contamination Area: Water	
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	
Buffer Zone 1	
Buffer Zone 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:

Baseline Control Point	
Existing Right of Way Marker	
Existing Right of Way Line	
Proposed Right of Way Line	
Proposed Right of Way Line with Iron Pin and Cap Marker	
Proposed Right of Way Line with Concrete or Granite RW Marker	
Proposed Control of Access Line with Concrete C/A Marker	
Existing Control of Access	
Proposed Control of Access	
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	
Proposed Permanent Easement with Iron Pin and Cap Marker	

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:

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 LOS B (S.U.E.*)	
U/G Power Line LOS C (S.U.E.*)	
U/G Power Line LOS D (S.U.E.*)	

TELEPHONE:

Existing Telephone Pole	
Proposed Telephone Pole	
Telephone Manhole	
Telephone Pedestal	
Telephone Cell Tower	
U/G Telephone Cable Hand Hole	
U/G Telephone Cable LOS B (S.U.E.*)	
U/G Telephone Cable LOS C (S.U.E.*)	
U/G Telephone Cable LOS D (S.U.E.*)	
U/G Telephone Conduit LOS B (S.U.E.*)	
U/G Telephone Conduit LOS C (S.U.E.*)	
U/G Telephone Conduit LOS D (S.U.E.*)	
U/G Fiber Optics Cable LOS B (S.U.E.*)	
U/G Fiber Optics Cable LOS C (S.U.E.*)	
U/G Fiber Optics Cable LOS D (S.U.E.*)	

WATER:

Water Manhole	
Water Meter	
Water Valve	
Water Hydrant	
U/G Water Line LOS B (S.U.E.*)	
U/G Water Line LOS C (S.U.E.*)	
U/G Water Line LOS D (S.U.E.*)	
Above Ground Water Line	

TV:

TV Pedestal	
TV Tower	
U/G TV Cable Hand Hole	
U/G TV Cable LOS B (S.U.E.*)	
U/G TV Cable LOS C (S.U.E.*)	
U/G TV Cable LOS D (S.U.E.*)	
U/G Fiber Optic Cable LOS B (S.U.E.*)	
U/G Fiber Optic Cable LOS C (S.U.E.*)	
U/G Fiber Optic Cable LOS D (S.U.E.*)	

GAS:

Gas Valve	
Gas Meter	
U/G Gas Line LOS B (S.U.E.*)	
U/G Gas Line LOS C (S.U.E.*)	
U/G Gas Line LOS D (S.U.E.*)	
Above Ground Gas Line	

SANITARY SEWER:

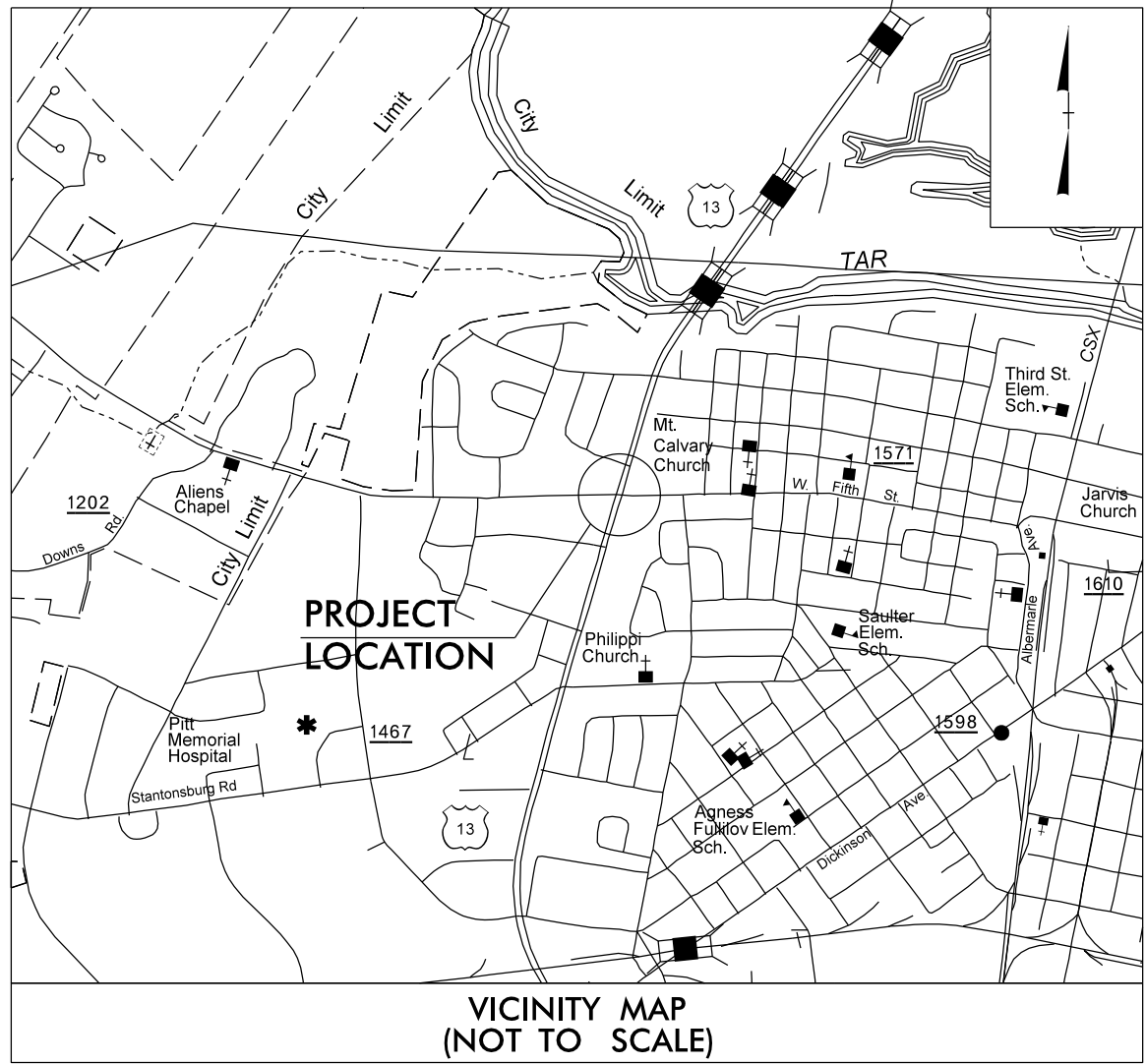
Sanitary Sewer Manhole	
Sanitary Sewer Cleanout	
U/G Sanitary Sewer Line	
Above Ground Sanitary Sewer	
SS Forced Main Line LOS B (S.U.E.*)	
SS Forced Main Line LOS C (S.U.E.*)	
SS Forced Main Line LOS D (S.U.E.*)	

MISCELLANEOUS:

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

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5730	RW01	5

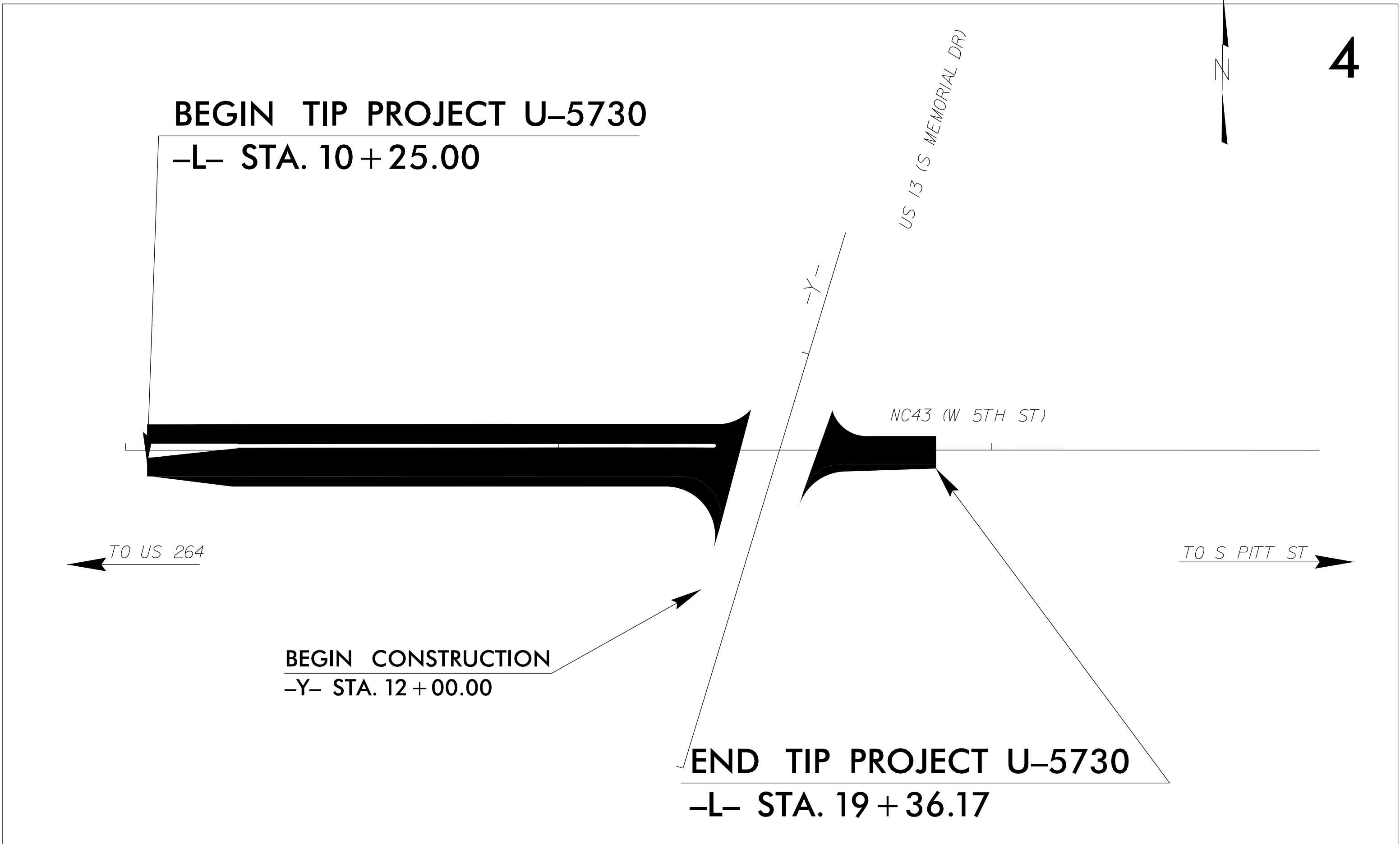
TIP PROJECT: U-5730



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SURVEY CONTROL, EXISTING CENTERLINES,
RIGHT OF WAY, EASEMENTS AND PROPERTY TIES

PITT COUNTY



GRAPHIC SCALE



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "LUPTON" WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF NORTHING: 681729.725(ft) EASTING: 2,477,616.443(ft) ELEVATION: 60.90(ft) THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99989507 THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "LUPTON" TO -L- STATION 10+00 IS N 77°40'53" W 769.88(ft) ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES VERTICAL DATUM USED IS NAVD 88

Prepared in the Office of:

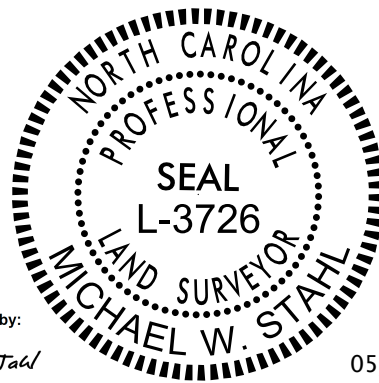
LOCATION AND SURVEYS
DIVISION 2
NEW BERN, NC

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
01/24/2018

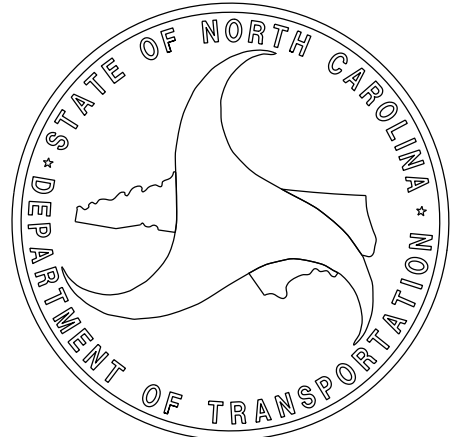
LETTING DATE:
06/24/2026

PROFESSIONAL LAND
SURVEYOR



DocuSigned by:
Michael Stahl
SIGNATURE

Date:
05/05/2026



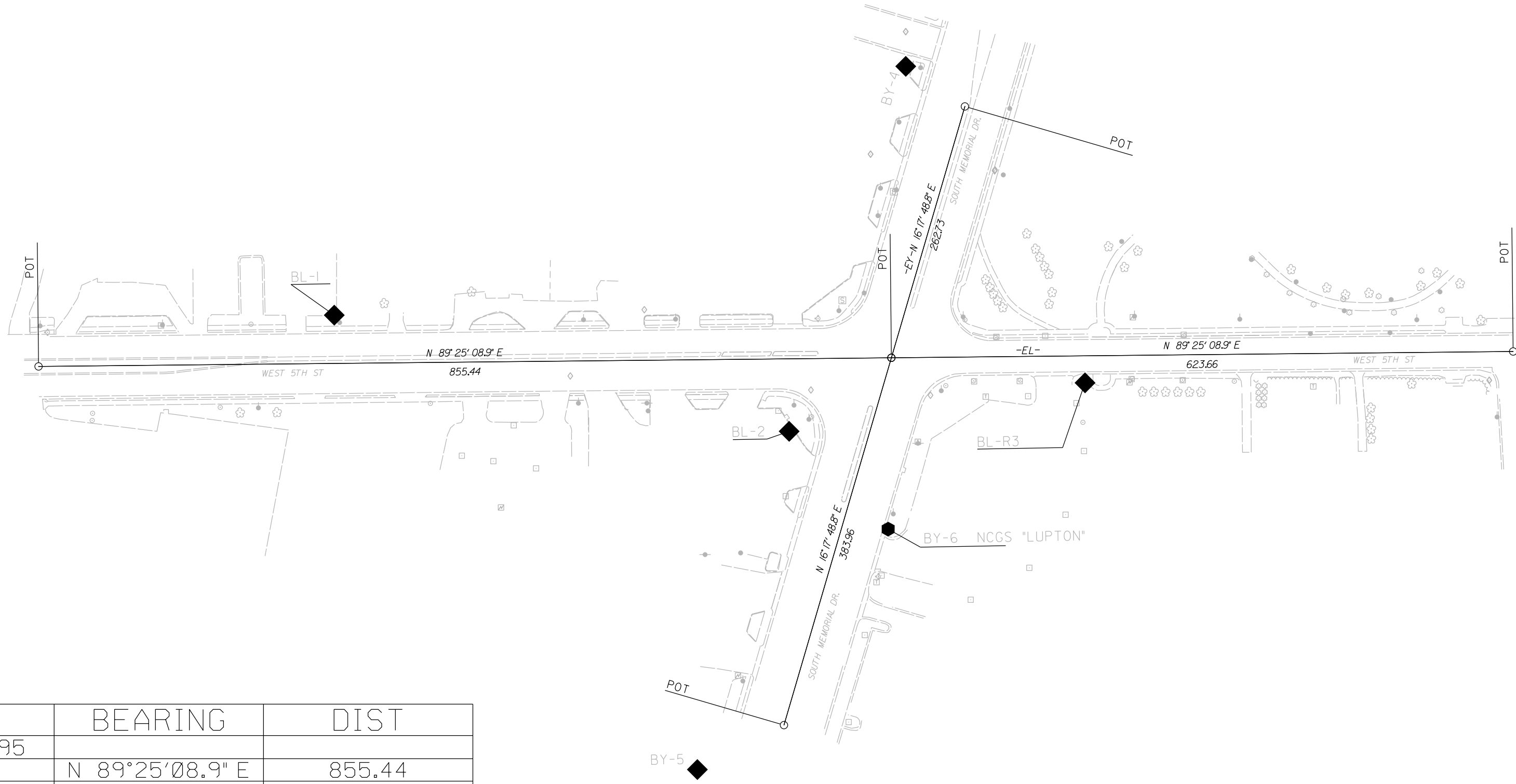
REVISIONS

SURVEY CONTROL SHEET

W/EXISTING CENTERLINE ALIGNMENTS PRIOR TO CONSTRUCTION

BL	POINT	DESC.	NORTH	EAST	ELEVATION
1		PK NAIL	681944.3710	2477060.8410	57.27
2		PK NAIL	681827.8030	2477517.0860	58.92
R3		REBAR & CAP	681876.4620	2477813.8690	53.05

BY	POINT	DESC.	NORTH	EAST	ELEVATION
5		PK NAIL	681488.4810	2477425.0360	67.02
6		NCGS "LUPTON"	681729.7250	2477616.4430	60.90
2		PK NAIL	681827.8030	2477517.0860	58.92
4		PK NAIL	682194.0060	2477634.0450	48.21
7		PK NAIL	682720.0670	2477862.7040	34.54



EL	POINT	N	E	BEARING	DIST
POT		681892.955	2476764.295		
LINE				N 89°25'08.9\" E	855.44
POT		681901.627	2477619.686		
LINE				N 89°25'08.9\" E	623.66
POT		681907.950	2478243.316		

EY	POINT	N	E	BEARING	DIST
POT		681533.098	2477511.942		
LINE				N 16°17'48.8\" E	646.69
POT		682153.801	2477693.412		

NOTES:

- PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
- THE SURVEY CONTROL DATA FOR THIS PROJECT HAS BEEN COMPILED FROM VARIOUS SOURCES. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.



PROJECT REFERENCE NO.	SHEET NO.
U-5730	RW02C-1
Location and Surveys	
LOCATION AND SURVEYS DIVISION 2 NEW BERN, NC	
PROJECT SURVEYOR NORTH CAROLINA PROFESSIONAL SEAL L-3726 MICHAEL W. STAHL 05/05/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Michael W. Stahl, PLS, certify that the Project Control was verified under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey:

Class of survey: **AA**
Type of GPS field procedure: RTN
Dates of survey: May-April 2025
Datum/Epoch: NAD 83/2011
Published/Fixed-control use: N/A
Localized around: NCGS "LUPTON" (BL-6)
Northing: 681729.725
Easting: 2477616.443
Combined grid factor: 0.99989507
Geoid model: G12NC
Units: US Survey Feet

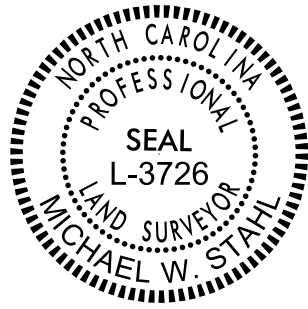
Field work was performed from March 19, 2025 to April 28, 2025, and all coordinates are based on NAD 83/2011 and all elevations are based on NAVD 88; that this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 5th day of May, 2026.

DocuSigned by:
Michael Stahl
3ABCF22A5E72430
Professional Land Surveyor L-3726

REVISIONS

RIGHT OF WAY CONTROL SHEET

PROJECT REFERENCE NO.	SHEET NO.
U-5730	RW03E-1
Location and Surveys	
LOCATION AND SURVEYS DIVISION 2 NEW BERN, NC	
PROJECT SURVEYOR  DocuSigned by: <i>Michael Stahl</i> 3ABCF22A5F7243D... 05/05/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ROW MARKER IRON PIN AND CAP-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	18+25.00	40.07	681862.3436	2477689.6527
L	19+36.49	38.95	681864.5996	2477801.1333
L	19+91.15	38.51	681865.5968	2477855.7855
L	19+91.16	28.00	681876.1065	2477855.6797

DRILLED HOLE IN CONCRETE

I, Michael W. Stahl, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on March 26, 2026, and all coordinates are based on NAD83/2011. That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 5th day of May, 2026.


Professional Land Surveyor L-3726

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
L	9+70.00	50.34	681843.3352	2476834.8056
L	10+65.00	75.00	681819.6451	2476930.0527
L	14+00.00	75.00	681823.0685	2477265.0352
L	16+15.00	83.50	681816.7661	2477480.1108
L	18+30.00	55.00	681847.4643	2477694.8076
L	19+40.61	38.92	681864.6746	2477805.2441
L	19+48.90	55.00	681848.6767	2477813.6981
L	19+54.15	65.19	681838.5458	2477819.0518
L	19+57.41	38.78	681864.9812	2477822.0477
L	19+65.77	55.00	681848.8492	2477830.5726
L	19+68.50	60.30	681843.5789	2477833.3577
L	19+77.98	38.62	681865.3564	2477842.6121

POINT NOT SET (TREE)

SET MAG NAIL

DRILLED HOLE IN CONCRETE

SET MAG NAIL

ROW MARKER PERMANENT EASEMENT-E				
ALIGN	STATION	OFFSET	NORTH	EAST
Y	11+53.10	-50.00	681694.0773	2477506.9132
Y	12+00.00	-85.00	681748.9146	2477486.4804
Y	12+50.00	50.00	681759.0227	2477630.0869
Y	12+50.67	-88.43	681798.5152	2477497.4073
Y	13+00.00	65.00	681802.8045	2477658.5149
Y	13+23.58	65.00	681825.4376	2477665.1320

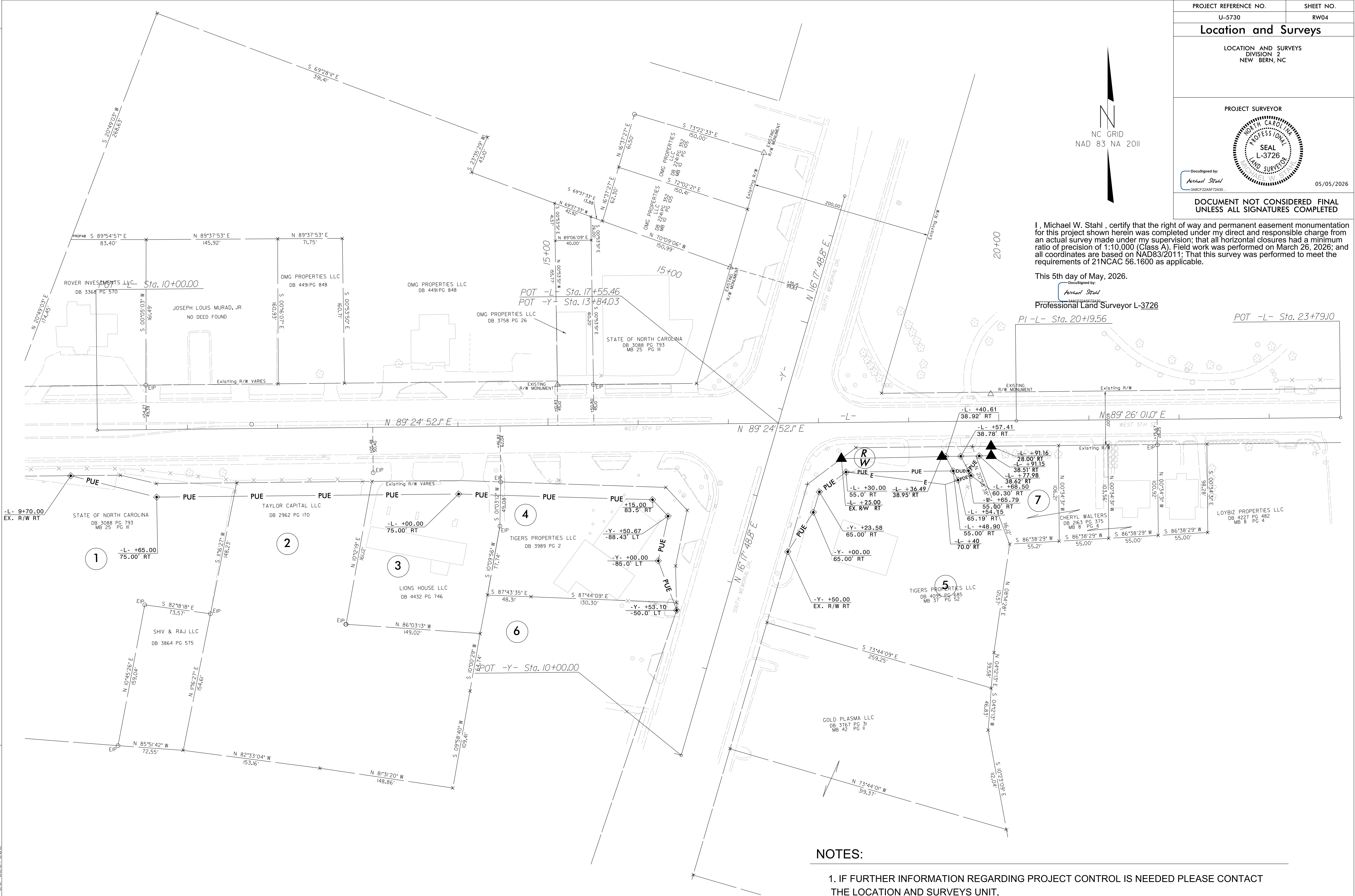
POINT NOT SET (CONCRETE)

DRILLED HOLE IN CONCRETE

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED ON MARCH 26, 2026 .

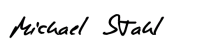
REVISIONS



PROJECT REFERENCE NO.	SHEET NO.
U-5730	RW04
Location and Surveys	
LOCATION AND SURVEYS DIVISION 2 NEW BERN, NC	
PROJECT SURVEYOR  05/05/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

I, Michael W. Stahl, certify that the right of way and permanent easement monumentation for this project shown herein was completed under my direct and responsible charge from an actual survey made under my supervision; that all horizontal closures had a minimum ratio of precision of 1:10,000 (Class A). Field work was performed on March 26, 2026; and all coordinates are based on NAD83/2011; That this survey was performed to meet the requirements of 21NCAC 56.1600 as applicable.

This 5th day of May, 2026.


Professional Land Surveyor L-3726

PI -L- Sta. 20+19.56 POT -L- Sta. 23+79.10

NOTES:

1. IF FURTHER INFORMATION REGARDING PROJECT CONTROL IS NEEDED PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
2. PROJECT CONTROL WAS ESTABLISHED USING GNSS, THE GLOBAL NAVIGATION SATELLITE SYSTEM.
3. RIGHT OF WAY MONUMENTATION ESTABLISHED ON MARCH 26, 2026.

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS OTHERWISE SHOWN.

Detail Showing Method of Wedging

<u>FROM STATION</u>	<u>TO STATION</u>
-L- 15 + 52.00 (RT)	-Y- 12 + 33.00 (LT)
*-Y- 12 + 07.00 (LT)	-Y- 12 + 33.00 (LT)

	LINE	STATION	OFFSET	ELEVATION
1	-L-	16 + 81.98	42.12' RT	57.90
2	-L-	16 + 83.90	40.35' RT	58.09
3	-L-	16 + 88.50	35.25' RT	57.97
4	-L-	16 + 89.77	30.87' RT	57.61
5	-L-	16 + 85.82	45.38' RT	58.08
6	-L-	16 + 87.29	44.02' RT	58.09
7	-Y-	13 + 26.09	47.55' LT	57.97
8	-Y-	13 + 27.41	42.55' LT	57.89
9	-Y-	13 + 30.92	48.83' LT	57.97
10	-Y-	13 + 32.54	42.74' LT	57.74
11	-L-	16 + 94.98	30.87' LT	57.63

***PEDESTRIAN ISLAND
& CROSSWALK
DETAIL***

NAD 83

COMPUTED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
<i>U-5730</i>	<i>3B-1</i>
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

SUMMARY OF EARTHWORK

STATION	STATION	UNCL. EXCAV.	EMBANK. + %	BORROW	WASTE
-L- 10 + 25.00	16 + 75.00	672	0	0	672
-L- 18 + 00.00	19 + 36.17	79	1	0	78
-Y- 12 + 00.00	13 + 00.00	42	3	0	39
SUBTOTALS:		793	4	0	789
SUBTOTALS:					
SUBTOTALS:					
SUBTOTALS:					
PROJECT TOTALS:		793	4	0	789
WASTE TO REPLACE BORROW				0	
EST. 5% TOPSOIL ON BORROW PIT				0	
GRAND TOTALS:		793	4	0	789
SAY:		800	10	0	790

EST. DDE = 0 CUBIC YARDS
EST. UNDERCUT EXCAVATION (Contingency) = 100 CUBIC YARDS
EST. SELECT GRANULAR MATERIAL (Contingency) = 100 CUBIC YARDS
EST. SHALLOW UNDERCUT (Contingency) = 50 CUBIC YARDS
EST. GEOTEXTILE (Contingency) = 100 SQUARE YARDS
EST. CLASS IV SUBGRADE STABILIZATION (Contingency) = 100 TONS
EST. SUBDRAIN EXCAVATION (Contingency) = 0 CUBIC YARDS

RIGHT OF WAY AREA DATA

[illegible]

8" x 12" Concrete Curb

LINE	STATION	STATION	LENGTH
-L- to -Y-	-L- 15 + 51	-Y- 16 + 57	220.0
-L- to -Y-	-L- 16 + 98	-Y- 14 + 25	30.0
-Y- to -L-	-Y- 14 + 45	-L- 18 + 40	20.0
TOTAL:			220.0
SAY:			270.0

2'-6" Concrete Curb & Gutter

LINE	STATION	STATION	LENGTH
-L-	10 + 25.00	11 + 62.00	137.0
-L-	11 + 81.00	12 + 62.00	81.0
-L-	12 + 83.00	13 + 26.00	43.0
-L-	13 + 48.00	14 + 07.00	59.0
-L-	14 + 28.00	14 + 51.00	23.0
-L-	14 + 85.00	15 + 13.00	28.0
-L-+Y-	15 + 51.00	12 + 03.00	227.0
-L-	17 + 78.00	19 + 00.00	140.0
-L-	16 + 86.00	17 + 23.00	41.0
-L-	18 + 16.00	18 + 38.00	32.0
TOTAL:			811
SAY:			820

PROJECT TOTALS

COMPUTED BY: HY DATE: 10-22-2019 CHECKED BY: AGT DATE: 10-22-2019	(4-21-15)	PROJECT NO. U-5730	SHEET NO. 36-1																																																																						
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS																																																																									
SUMMARY OF AGGREGATE SUBGRADE/STABILIZATION <table><thead><tr><th>LINE</th><th>Station</th><th>Station</th><th>Undercut Excavation CY</th><th>Select Granular Material CY</th><th>Shallow Undercut CY</th><th>Class IV Subgrade Stabilization TONS</th><th>Geotextile for Soil Stabilization SY</th><th>Stabilizer Aggregate TONS</th><th>Class IV Aggregate Stabilization TONS</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td colspan="2">CONTINGENCY</td><td>100</td><td>100</td><td>50</td><td>100</td><td>100</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td colspan="2">TOTAL CY/TONS/SY:</td><td>50</td><td>100</td><td>100*</td><td>0</td><td>0</td></tr></tbody></table> ASU = Aggregate Subgrade, AST = Aggregate Stabilization *Total square yards of Geotextile for Soil Stabilization is only the estimated quantity for ASU/AST and may only represent a portion of the geotextile quantity shown in the Item Sheets of the Proposal.				LINE	Station	Station	Undercut Excavation CY	Select Granular Material CY	Shallow Undercut CY	Class IV Subgrade Stabilization TONS	Geotextile for Soil Stabilization SY	Stabilizer Aggregate TONS	Class IV Aggregate Stabilization TONS																																CONTINGENCY		100	100	50	100	100																TOTAL CY/TONS/SY:		50	100	100*	0	0
LINE	Station	Station	Undercut Excavation CY	Select Granular Material CY	Shallow Undercut CY	Class IV Subgrade Stabilization TONS	Geotextile for Soil Stabilization SY	Stabilizer Aggregate TONS	Class IV Aggregate Stabilization TONS																																																																
	CONTINGENCY		100	100	50	100	100																																																																		
			TOTAL CY/TONS/SY:		50	100	100*	0	0																																																																

8/17/2026

6/8/2026 RDY_PSH04_NO-UTL.dgn

REVISIONS

PROJECT REFERENCE NO.
U-5730

SHEET NO.
4

R/W SHEET NO.

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

NORTH CAROLINA
PROFESSIONAL
SEAL
ENGINEER
ANTHONY G. THOMPSON
6/8/2026

NORTH CAROLINA
PROFESSIONAL
SEAL
ENGINEER
J. MASSARO
6/8/2026

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

HDR

HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-01116

NAD '83

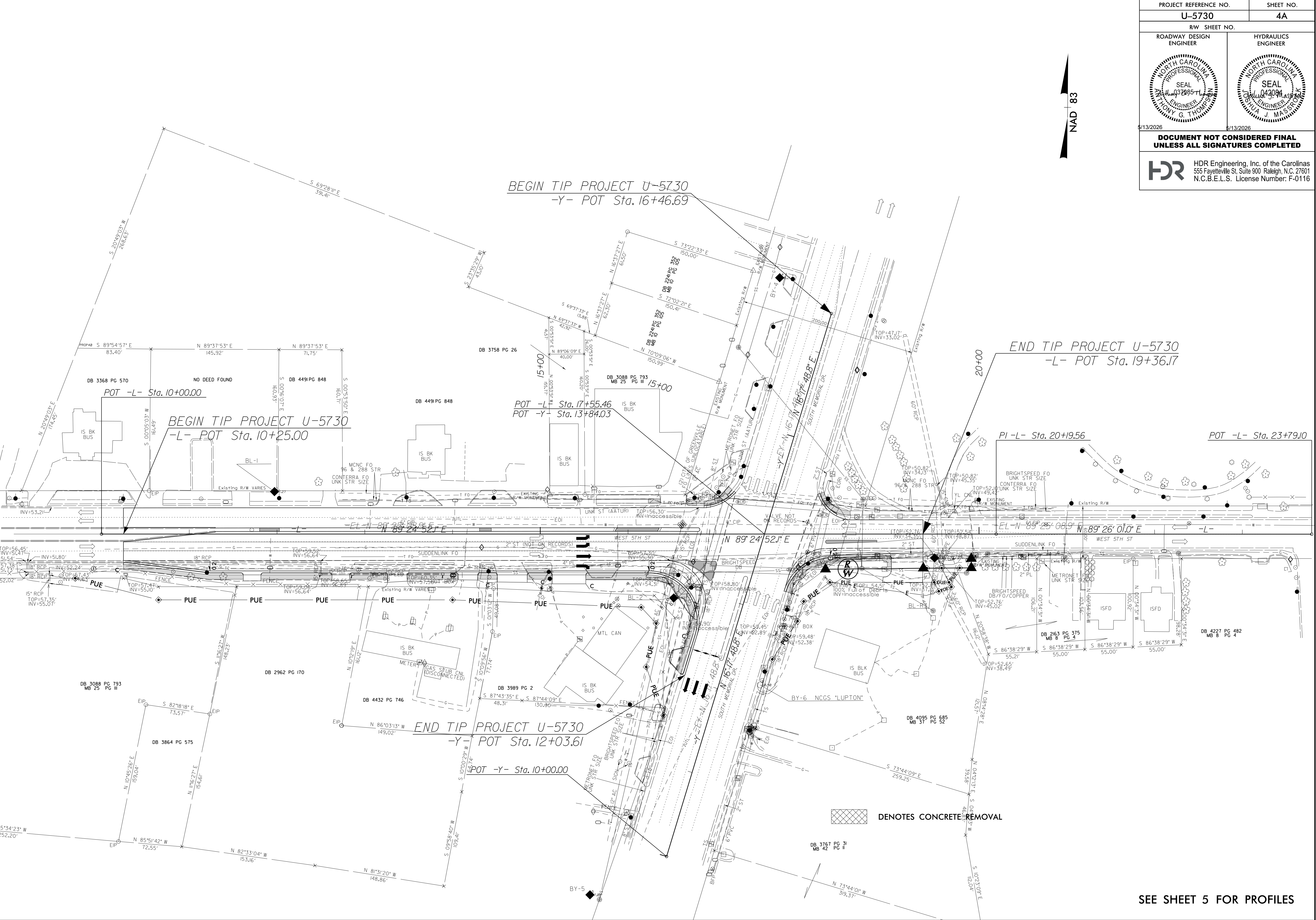
The main site plan illustrates the project alignment for Project U-5730, showing stationing from Sta. 10+00.00 to Sta. 23+79.10. The alignment is shown as a solid line with station markers. Key features include:

- Property Boundaries:** Various land parcels are shown with owner names and deed references, including Rover Investments LLC, Joseph Louis Murad, Jr., OMG Properties LLC, State of North Carolina, Taylor Capital LLC, Lions House LLC, Shiv & Raj LLC, Tigers Properties LLC, Gold Plasma LLC, Cheryl Walters, and Loybiz Properties LLC.
- Alignment and Stationing:** The project alignment is shown with stationing from Sta. 10+00.00 to Sta. 23+79.10. Key points include POT -L- Sta. 10+00.00, BEGIN TIP PROJECT U-5730 -L- POT Sta. 10+25.00, POT -L- Sta. 17+55.46, POT -Y- Sta. 13+84.03, END TIP PROJECT U-5730 -Y- POT Sta. 12+03.61, POT -Y- Sta. 10+00.00, END TIP PROJECT U-5730 -L- POT Sta. 19+36.17, PI -L- Sta. 20+19.56, and POT -L- Sta. 23+79.10.
- Infrastructure and Features:** The plan shows existing and proposed infrastructure, including sidewalks, curbs, medians, and utility lines. Specific features include a 100' taper, 500' storage, and various utility lines (e.g., 12" RCP-III, 18" RCP-III, 24" RCP-III, 30" RCP-III, 36" RCP-III, 42" RCP-III, 48" RCP-III, 54" RCP-III, 60" RCP-III, 66" RCP-III, 72" RCP-III, 78" RCP-III, 84" RCP-III, 90" RCP-III, 96" RCP-III, 102" RCP-III, 108" RCP-III, 114" RCP-III, 120" RCP-III, 126" RCP-III, 132" RCP-III, 138" RCP-III, 144" RCP-III, 150" RCP-III, 156" RCP-III, 162" RCP-III, 168" RCP-III, 174" RCP-III, 180" RCP-III, 186" RCP-III, 192" RCP-III, 198" RCP-III, 204" RCP-III, 210" RCP-III, 216" RCP-III, 222" RCP-III, 228" RCP-III, 234" RCP-III, 240" RCP-III, 246" RCP-III, 252" RCP-III, 258" RCP-III, 264" RCP-III, 270" RCP-III, 276" RCP-III, 282" RCP-III, 288" RCP-III, 294" RCP-III, 300" RCP-III, 306" RCP-III, 312" RCP-III, 318" RCP-III, 324" RCP-III, 330" RCP-III, 336" RCP-III, 342" RCP-III, 348" RCP-III, 354" RCP-III, 360" RCP-III, 366" RCP-III, 372" RCP-III, 378" RCP-III, 384" RCP-III, 390" RCP-III, 396" RCP-III, 402" RCP-III, 408" RCP-III, 414" RCP-III, 420" RCP-III, 426" RCP-III, 432" RCP-III, 438" RCP-III, 444" RCP-III, 450" RCP-III, 456" RCP-III, 462" RCP-III, 468" RCP-III, 474" RCP-III, 480" RCP-III, 486" RCP-III, 492" RCP-III, 498" RCP-III, 504" RCP-III, 510" RCP-III, 516" RCP-III, 522" RCP-III, 528" RCP-III, 534" RCP-III, 540" RCP-III, 546" RCP-III, 552" RCP-III, 558" RCP-III, 564" RCP-III, 570" RCP-III, 576" RCP-III, 582" RCP-III, 588" RCP-III, 594" RCP-III, 600" RCP-III, 606" RCP-III, 612" RCP-III, 618" RCP-III, 624" RCP-III, 630" RCP-III, 636" RCP-III, 642" RCP-III, 648" RCP-III, 654" RCP-III, 660" RCP-III, 666" RCP-III, 672" RCP-III, 678" RCP-III, 684" RCP-III, 690" RCP-III, 696" RCP-III, 702" RCP-III, 708" RCP-III, 714" RCP-III, 720" RCP-III, 726" RCP-III, 732" RCP-III, 738" RCP-III, 744" RCP-III, 750" RCP-III, 756" RCP-III, 762" RCP-III, 768" RCP-III, 774" RCP-III, 780" RCP-III, 786" RCP-III, 792" RCP-III, 798" RCP-III, 804" RCP-III, 810" RCP-III, 816" RCP-III, 822" RCP-III, 828" RCP-III, 834" RCP-III, 840" RCP-III, 846" RCP-III, 852" RCP-III, 858" RCP-III, 864" RCP-III, 870" RCP-III, 876" RCP-III, 882" RCP-III, 888" RCP-III, 894" RCP-III, 900" RCP-III, 906" RCP-III, 912" RCP-III, 918" RCP-III, 924" RCP-III, 930" RCP-III, 936" RCP-III, 942" RCP-III, 948" RCP-III, 954" RCP-III, 960" RCP-III, 966" RCP-III, 972" RCP-III, 978" RCP-III, 984" RCP-III, 990" RCP-III, 996" RCP-III, 1002" RCP-III, 1008" RCP-III, 1014" RCP-III, 1020" RCP-III, 1026" RCP-III, 1032" RCP-III, 1038" RCP-III, 1044" RCP-III, 1050" RCP-III, 1056" RCP-III, 1062" RCP-III, 1068" RCP-III, 1074" RCP-III, 1080" RCP-III, 1086" RCP-III, 1092" RCP-III, 1098" RCP-III, 1104" RCP-III, 1110" RCP-III, 1116" RCP-III, 1122" RCP-III, 1128" RCP-III, 1134" RCP-III, 1140" RCP-III, 1146" RCP-III, 1152" RCP-III, 1158" RCP-III, 1164" RCP-III, 1170" RCP-III, 1176" RCP-III, 1182" RCP-III, 1188" RCP-III, 1194" RCP-III, 1200" RCP-III, 1206" RCP-III, 1212" RCP-III, 1218" RCP-III, 1224" RCP-III, 1230" RCP-III, 1236" RCP-III, 1242" RCP-III, 1248" RCP-III, 1254" RCP-III, 1260" RCP-III, 1266" RCP-III, 1272" RCP-III, 1278" RCP-III, 1284" RCP-III, 1290" RCP-III, 1296" RCP-III, 1302" RCP-III, 1308" RCP-III, 1314" RCP-III, 1320" RCP-III, 1326" RCP-III, 1332" RCP-III, 1338" RCP-III, 1344" RCP-III, 1350" RCP-III, 1356" RCP-III, 1362" RCP-III, 1368" RCP-III, 1374" RCP-III, 1380" RCP-III, 1386" RCP-III, 1392" RCP-III, 1398" RCP-III, 1404" RCP-III, 1410" RCP-III, 1416" RCP-III, 1422" RCP-III, 1428" RCP-III, 1434" RCP-III, 1440" RCP-III, 1446" RCP-III, 1452" RCP-III, 1458" RCP-III, 1464" RCP-III, 1470" RCP-III, 1476" RCP-III, 1482" RCP-III, 1488" RCP-III, 1494" RCP-III, 1500" RCP-III, 1506" RCP-III, 1512" RCP-III, 1518" RCP-III, 1524" RCP-III, 1530" RCP-III, 1536" RCP-III, 1542" RCP-III, 1548" RCP-III, 1554" RCP-III, 1560" RCP-III, 1566" RCP-III, 1572" RCP-III, 1578" RCP-III, 1584" RCP-III, 1590" RCP-III, 1596" RCP-III, 1602" RCP-III, 1608" RCP-III, 1614" RCP-III, 1620" RCP-III, 1626" RCP-III, 1632" RCP-III, 1638" RCP-III, 1644" RCP-III, 1650" RCP-III, 1656" RCP-III, 1662" RCP-III, 1668" RCP-III, 1674" RCP-III, 1680" RCP-III, 1686" RCP-III, 1692" RCP-III, 1698" RCP-III, 1704" RCP-III, 1710" RCP-III, 1716" RCP-III, 1722" RCP-III, 1728" RCP-III, 1734" RCP-III, 1740" RCP-III, 1746" RCP-III, 1752" RCP-III, 1758" RCP-III, 1764" RCP-III, 1770" RCP-III, 1776" RCP-III, 1782" RCP-III, 1788" RCP-III, 1794" RCP-III, 1800" RCP-III, 1806" RCP-III, 1812" RCP-III, 1818" RCP-III, 1824" RCP-III, 1830" RCP-III, 1836" RCP-III, 1842" RCP-III, 1848" RCP-III, 1854" RCP-III, 1860" RCP-III, 1866" RCP-III, 1872" RCP-III, 1878" RCP-III, 1884" RCP-III, 1890" RCP-III, 1896" RCP-III, 1902" RCP-III, 1908" RCP-III, 1914" RCP-III, 1920" RCP-III, 1926" RCP-III, 1932" RCP-III, 1938" RCP-III, 1944" RCP-III, 1950" RCP-III, 1956" RCP-III, 1962" RCP-III, 1968" RCP-III, 1974" RCP-III, 1980" RCP-III, 1986" RCP-III, 1992" RCP-III, 1998" RCP-III, 2004" RCP-III, 2010" RCP-III, 2016" RCP-III, 2022" RCP-III, 2028" RCP-III, 2034" RCP-III, 2040" RCP-III, 2046" RCP-III, 2052" RCP-III, 2058" RCP-III, 2064" RCP-III, 2070" RCP-III, 2076" RCP-III, 2082" RCP-III, 2088" RCP-III, 2094" RCP-III, 2100" RCP-III, 2106" RCP-III, 2112" RCP-III, 2118" RCP-III, 2124" RCP-III, 2130" RCP-III, 2136" RCP-III, 2142" RCP-III, 2148" RCP-III, 2154" RCP-III, 2160" RCP-III, 2166" RCP-III, 2172" RCP-III, 2178" RCP-III, 2184" RCP-III, 2190" RCP-III, 2196" RCP-III, 2202" RCP-III, 2208" RCP-III, 2214" RCP-III, 2220" RCP-III, 2226" RCP-III, 2232" RCP-III, 2238" RCP-III, 2244" RCP-III, 2250" RCP-III, 2256" RCP-III, 2262" RCP-III, 2268" RCP-III, 2274" RCP-III, 2280" RCP-III, 2286" RCP-III, 2292" RCP-III, 2298" RCP-III, 2304" RCP-III, 2310" RCP-III, 2316" RCP-III, 2322" RCP-III, 2328" RCP-III, 2334" RCP-III, 2340" RCP-III, 2346" RCP-III, 2352" RCP-III, 2358" RCP-III, 2364" RCP-III, 2370" RCP-III, 2376" RCP-III, 2382" RCP-III, 2388" RCP-III, 2394" RCP-III, 2400" RCP-III, 2406" RCP-III, 2412" RCP-III, 2418" RCP-III, 2424" RCP-III, 2430" RCP-III, 2436" RCP-III, 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8/17/99

REVISIONS

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BY: J. L. U5730, RDY: PSH04A.dgn



NAD 83

PROJECT REFERENCE NO.		SHEET NO.
U-5730		4A
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
8/13/2026		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116		

SEE SHEET 5 FOR PROFILES

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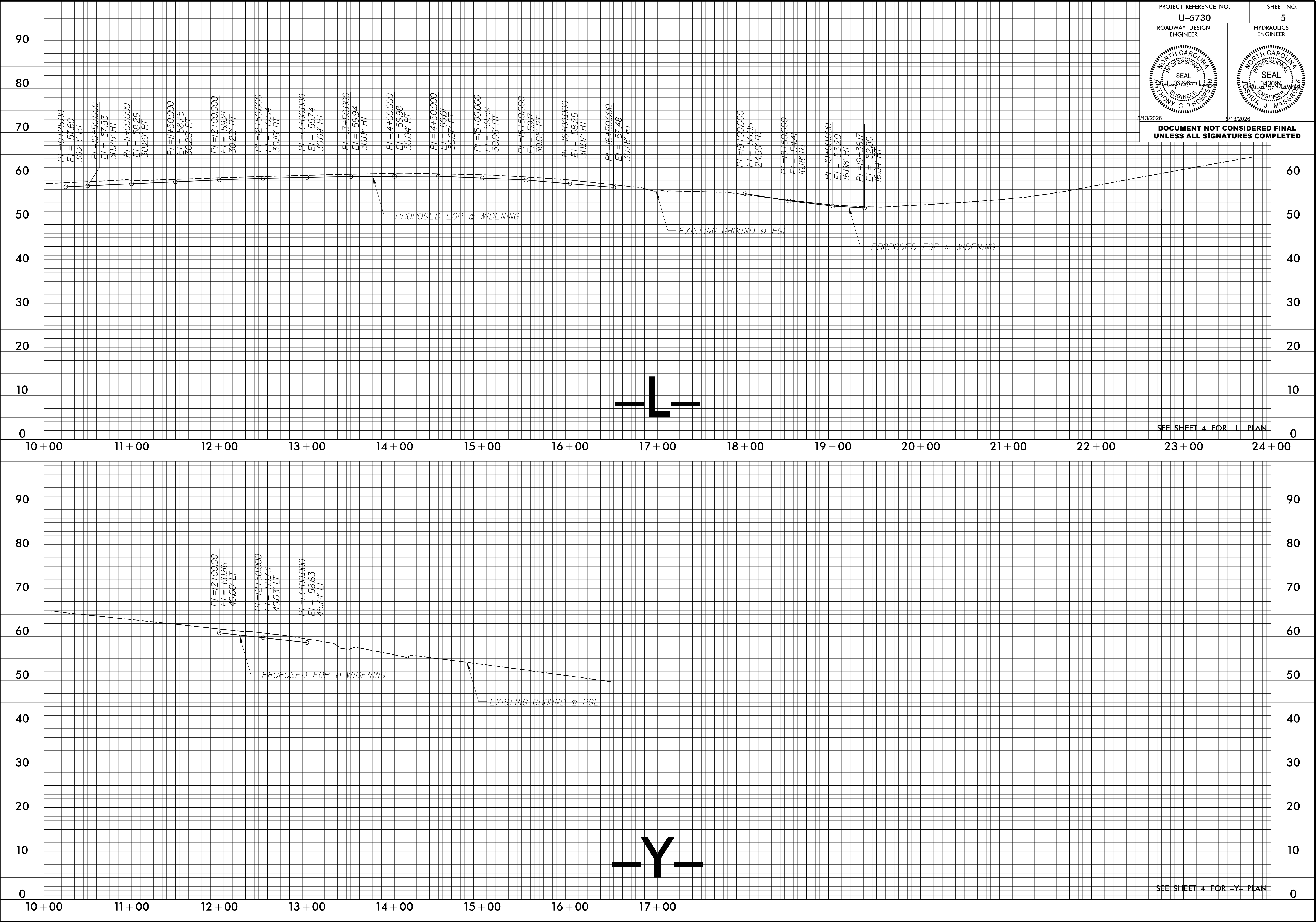
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REVISIONS



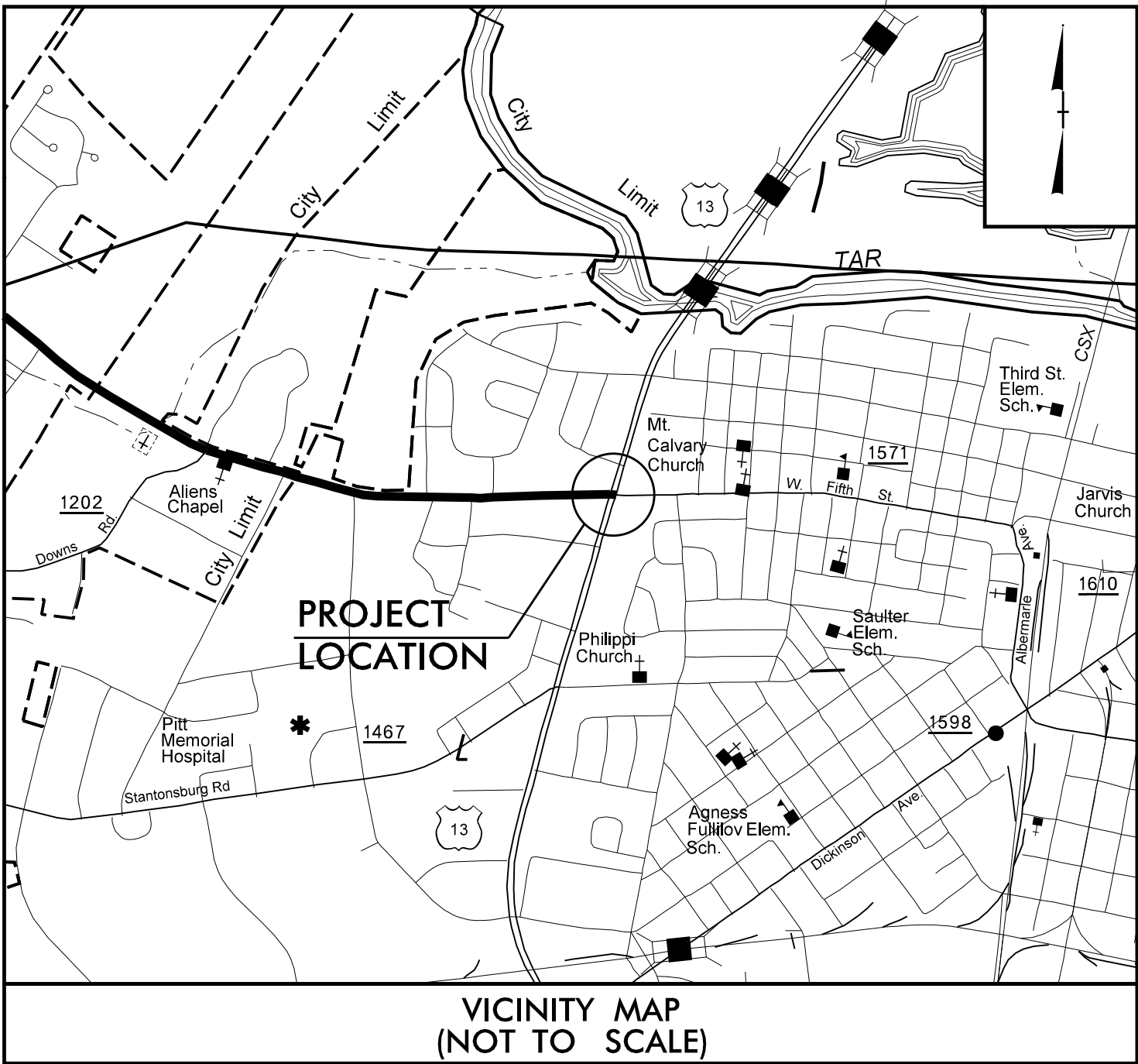
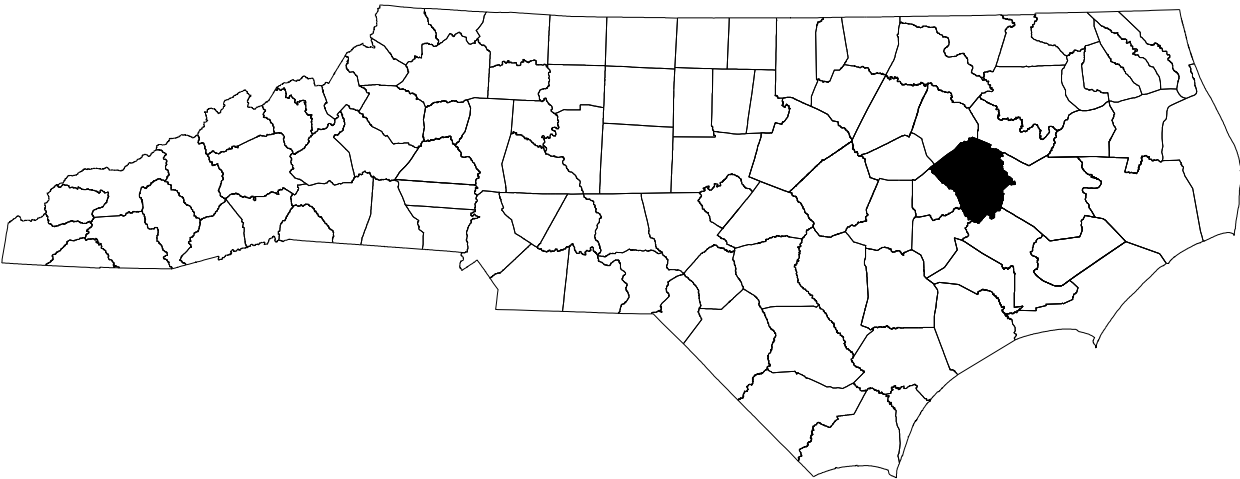
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REVISIONS

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

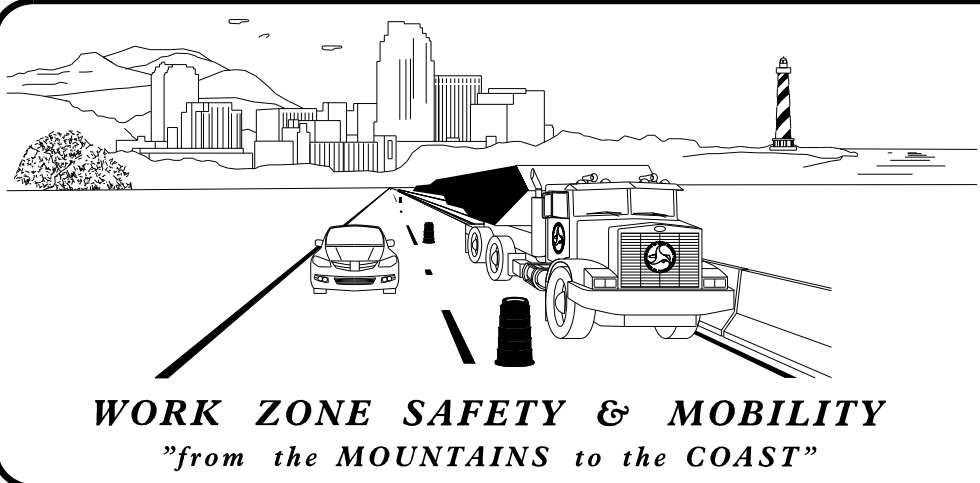
TRANSPORTATION MANAGEMENT PLAN

PITT COUNTY



LOCATION: INTERSECTION AT W 5TH ST AND US-13

TYPE OF WORK: DRAINAGE, GRADING, PAVING, AND
SIGNAL



PLANS PREPARED BY:

BEN SCHOENBAUER, P.E.
TRAFFIC CONTROL PROJECT ENGINEER

JOHN WILES, P.E.
TRAFFIC CONTROL DESIGN ENGINEER

NCDOT CONTACTS:

CATHRINE HOSSACK, P.E.
PROJECT ENGINEER

PROJECT DESIGN ENGINEER



INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-1B-1C	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND PHASING)
TMP-2-3	PHASING DETAILS
TMP-4	PEDESTRIAN DETAILS

PLAN PREPARED BY:



HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

APPROVED: Ben Schoenbauer

DATE: 5/13/2026

SEAL



SHEET NO.
TMP - 1

U-5730

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REVISIONS

ROADWAY STANDARD DRAWINGS

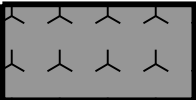
THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

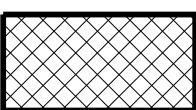
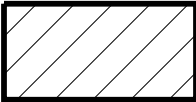
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1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	TRUCK MOUNTED ATTENUATOR
1180.01	SKINNY - DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORARY)

LEGEND

GENERAL

-  DIRECTION OF TRAFFIC FLOW
-  DIRECTION OF PEDESTRIAN TRAFFIC FLOW
-  EXIST. PVMT.
-  NORTH ARROW
-  PROPOSED PVMT.
-  TEMP. SHORING (LOCATION PURPOSES ONLY)

-  WORK AREA
-  CONTINUING CONSTRUCTION

-  REMOVAL
-  MILLING AND PAVING

SIGNALS

-  EXISTING
-  PROPOSED
-  TEMPORARY

PAVEMENT MARKINGS

-  EXISTING LINES
-  TEMPORARY LINES

TRAFFIC CONTROL DEVICES

-  BARRICADE (TYPE III)
-  CONE
-  DRUM
-  SKINNY DRUM
-  TUBULAR MARKER
-  TEMPORARY CRASH CUSHION
-  FLASHING ARROW BOARD
-  FLAGGER
-  LAW ENFORCEMENT
-  TRUCK MOUNTED ATTENUATOR (TMA)
-  CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

-  PORTABLE SIGN
-  STATIONARY SIGN
-  STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

-  CRYSTAL/CRYSTAL
-  CRYSTAL/RED
-  YELLOW/YELLOW

PAVEMENT MARKING SYMBOLS

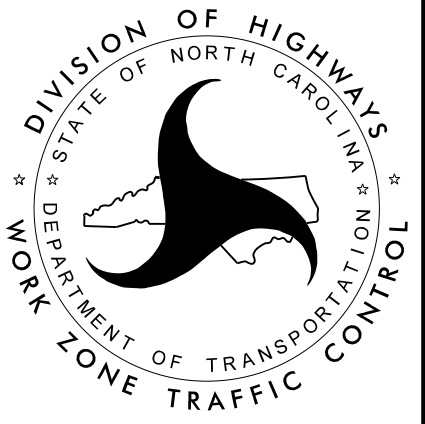
-  PAVEMENT MARKING SYMBOLS

APPROVED: *Ben Schoenbauer*

DATE: *5/13/2026*

SEAL





ROADWAY STANDARD
DRAWINGS & LEGEND

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REVISIONS

GENERAL NOTES

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

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

TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
-L- (W 5TH ST)	MONDAY THROUGH FRIDAY
-Y- (US 13)	6:30 A.M. TO 8:30 A.M. 4:00 P.M. TO 6:00 P.M.

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

ROAD NAME
-L- (W 5TH ST)
-Y- (US 13)

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31st TO 7:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 7:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 7:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 7:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.

- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 7:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 7:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 7:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

LANE AND SHOULDER CLOSURE REQUIREMENTS

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

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

- F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.

PAVEMENT EDGE DROP OFF REQUIREMENTS

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

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

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

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

TRAFFIC PATTERN ALTERATIONS

- H) NOTIFY THE ENGINEER FOURTEEN (14) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

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

TRAFFIC CONTROL DEVICES

- K) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.

PAVEMENT MARKINGS AND MARKERS

- L) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.
- M) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- N) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

- O) TRACE THE PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO INSTALLATION. PLACE DRUMS TO DELINEATE ANY MONOLITHIC ISLANDS

MISCELLANEOUS

- P) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- Q) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.).

APPROVED: <u>Ben Schoenbauer</u> DATE: <u>5/13/2026</u> SEAL 		TRANSPORTATION OPERATIONS PLAN
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

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REVISIONS

MANAGEMENT STRATEGIES

-CONSTRUCTION OF PROPOSED ROADWAY AND SIDEWALK WILL BE PERFORMED THROUGH THE USE OF LANE AND SHOULDER CLOSURES AS NECESSARY.

PHASING

PHASE 1

- STEP 0: USING ROADWAY STANDARD DRAWING (RSD) 1101.01 SHEETS 2 AND 3 OF 3 INSTALL WORK ZONE ADVANCE WARNING SIGNS ON -L- (W 5TH ST) AND -Y- (US 13).
- STEP 1: USING RSD 1101.02 SHEETS 1 AND 3 OF 19 AND 1101.04 SHEET 1 OF 2, AS NECESSARY, BEGIN CONSTRUCTION OF PROPOSED ROADWAY, SIDEWALK, AND UTILITY IMPROVEMENTS, AS SHOWN ON SHEET TMP-2.
- STEP 2: USING RSD 1101.02 SHEETS 2 AND 3 OF 19, AS NECESSARY, PERFORM THE FOLLOWING:
- 1) COMPLETE CONSTRUCTION OF PROPOSED ROADWAY INCLUDING MILLING AND PAVING UP TO, BUT NOT INCLUDING, THE FINAL LAYER OF SURFACE COURSE
 - 2) PLACE TEMPORARY PAVEMENT MARKINGS ON -L- FROM STA. 10+25± TO STA. 17+78± IN THE PLACE OF FINAL ACCORDING TO THE PAVEMENT MARKING PLAN.
 - 3) INSTALL AND ACTIVATE TRAFFIC SIGNAL AND SHIFT TRAFFIC TO THE FINAL . PATTERN.
 - 4) WITH TRAFFIC IN THE FINAL PATTERN CONSTRUCT PROPOSED PEDESTRIAN ISLAND AND MONOLITHIC ISLAND AS SHOWN ON SHEET TMP-2

PHASE 2

- STEP 1: UPON COMPLETION OF SIDEWALK AND PEDESTRIAN ISLAND IN PHASE 1 USE RSD 1101.02 SHEETS 1, 2, AND 3 OF 19 CONSTRUCT THE PROPOSED CURB RAMPS AND REMAINING UTILITY IMPROVEMENTS AS SHOWN ON SHEET TMP-3.
- STEP 2: USING RSD 1101.02 SHEETS 1, 2, AND 3 OF 19 AS NECESSARY, PLACE FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS ACCORDING TO THE PAVEMENT MARKING PLAN.
- STEP 3: REMOVE ALL WORK ZONE TRAFFIC CONTROL DEVICES

PROJ. REFERENCE NO.

U-5730

SHEET NO.

TMP-1C



HDR Engineering, Inc. of the Carolinas

555 Fayetteville St, Suite 900 Raleigh, N.C. 27601

N.C.B.E.L.S. License Number: F-01116

APPROVED: Ben Schoenbauer

DATE: 5/13/2026

SEAL





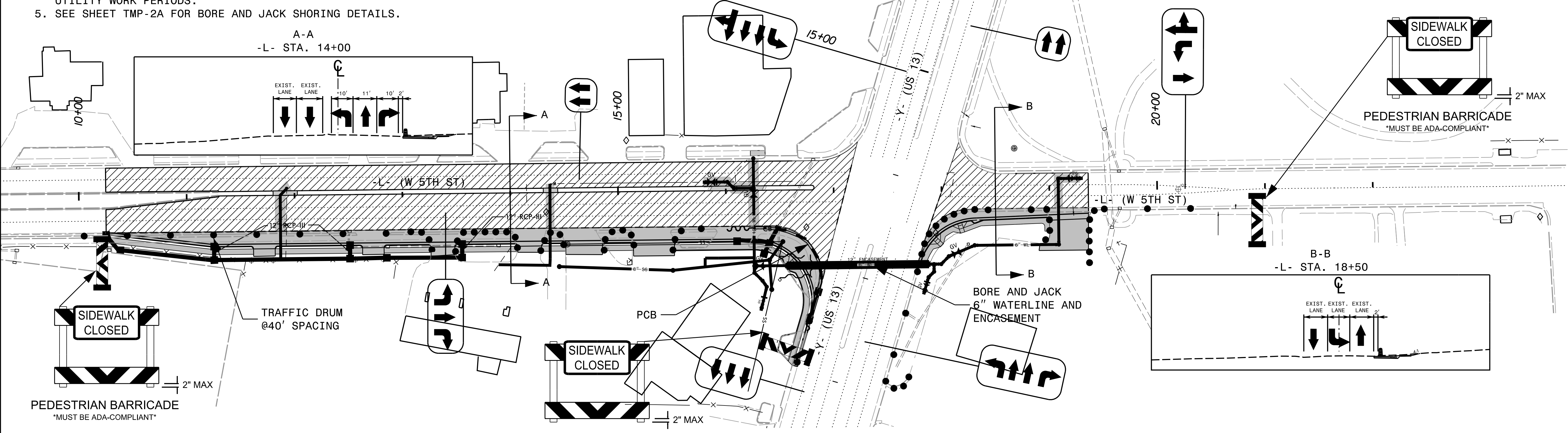
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

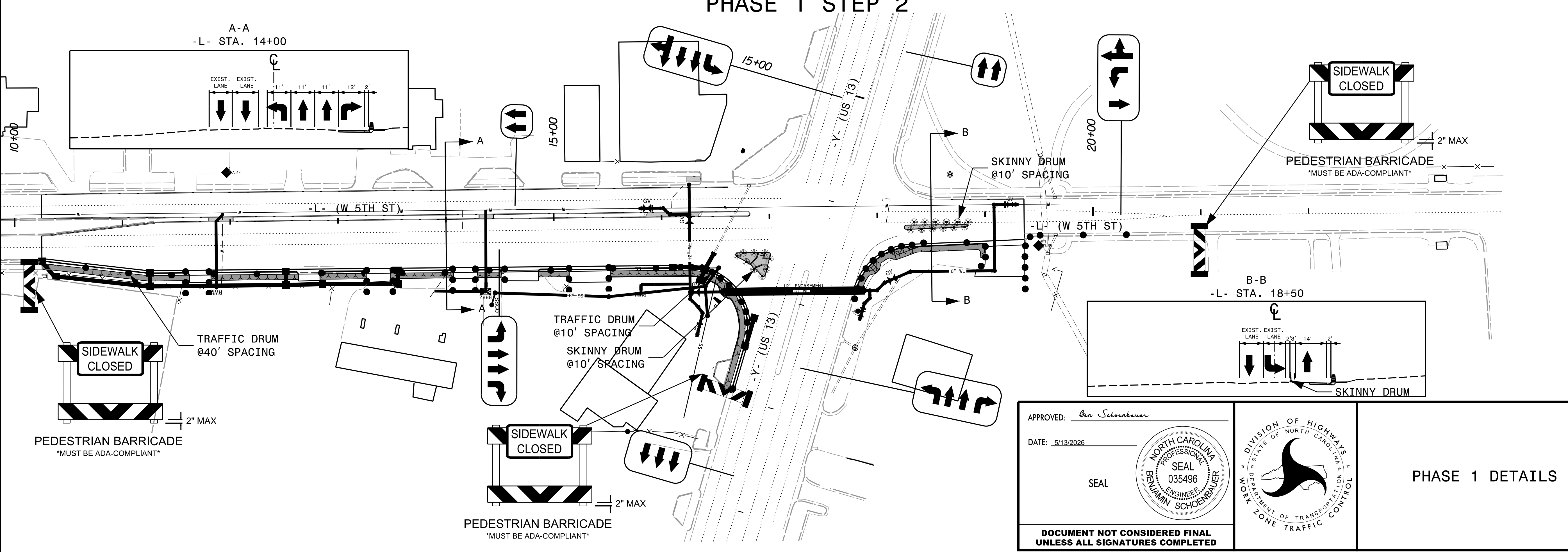
- NOTES:
- 1. SEE SHEET TMP-4 FOR ADDITIONAL PEDESTRIAN DETAILS.
 - 2. MAINTAIN PEDESTRIANS BEHIND WORK AREA USING EXISTING OR TEMPORARY SURFACE AS NECESSARY.
 - 3. MAINTAIN PEDESTRAIN CROSSWALK ACCESS THROUGH THE CONSTRUCTION AREA.
 - 4. PLACE STEEL PLATES OVER ANY OPEN CUTS DURING NON UTILITY WORK PERIODS.
 - 5. SEE SHEET TMP-2A FOR BORE AND JACK SHORING DETAILS.

PHASE 1

PROJ. REFERENCE NO.	SHEET NO.
U-5730	TMP-2
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900, Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



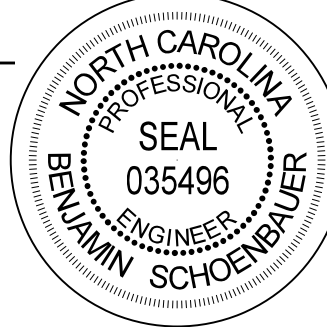
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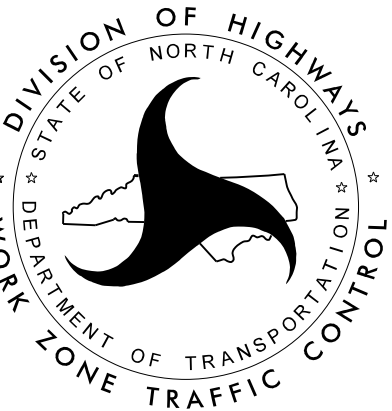
APPROVED: *Ben Schoenbauer*

DATE: 5/13/2026

SEAL



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PHASE 1 DETAILS

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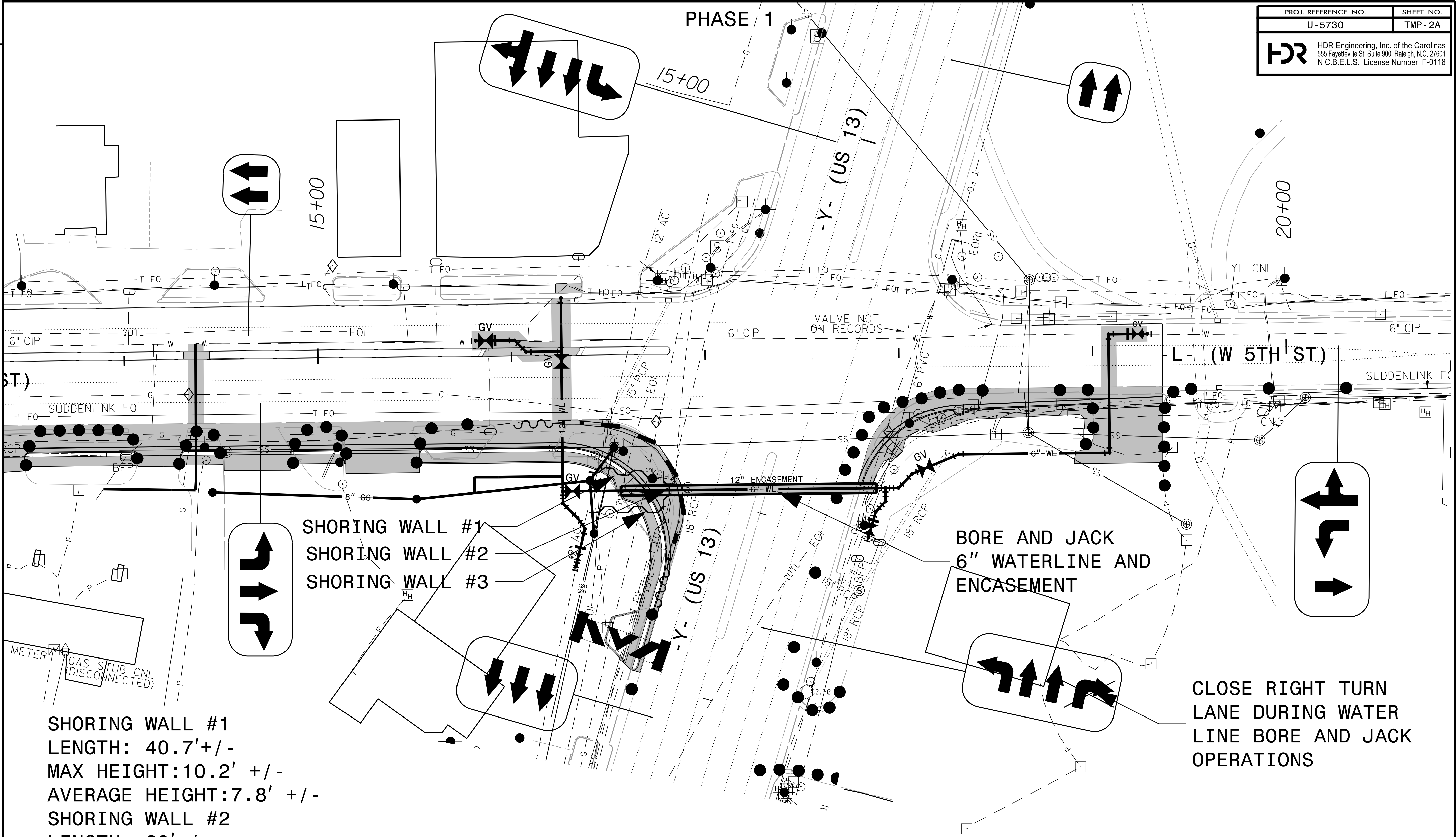
REVISIONS

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REVISIONS

SHORING WALL #1
LENGTH: 40.7' +/-
MAX HEIGHT: 10.2' +/-
AVERAGE HEIGHT: 7.8' +/-
SHORING WALL #2
LENGTH: 20' +/-
MAX HEIGHT: 10.2' +/-
AVERAGE HEIGHT: 10.2' +/-
SHORING WALL #3
LENGTH: 40.7' +/-
MAX HEIGHT: 10.2' +/-
AVERAGE HEIGHT: 7.8' +/-

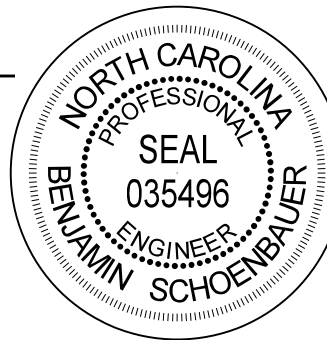
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U-5730	TMP-2A
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



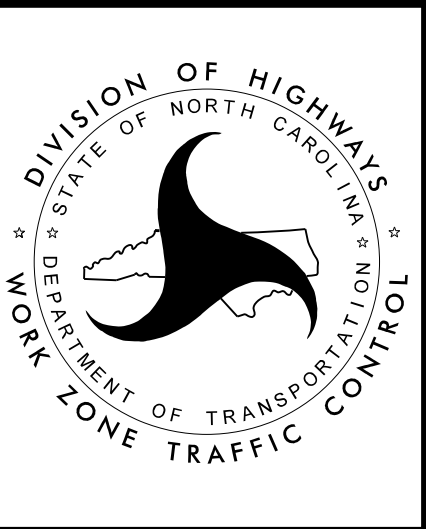
APPROVED: *Ben Schoenbauer*

DATE: 5/13/2026

SEAL



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UNLESS ALL SIGNATURES COMPLETED

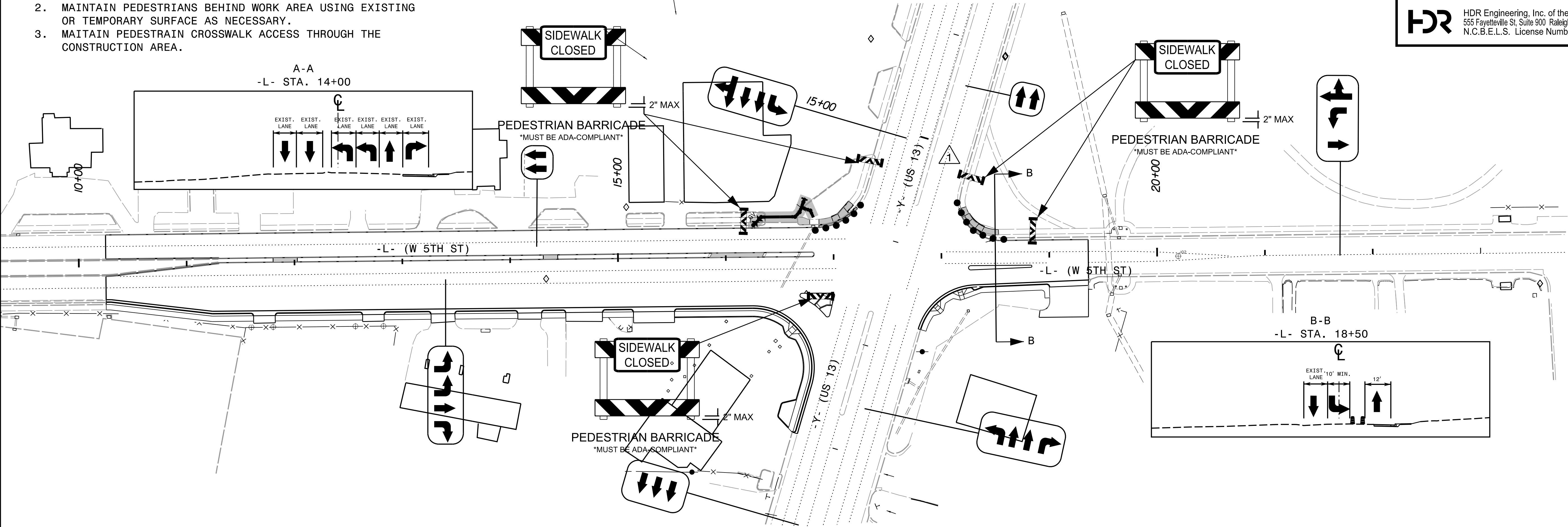


PHASE 1
UTILITY DETAILS

- NOTES:
1. SEE SHEET TMP-4 FOR ADDITIONAL PEDESTRIAN DETAILS.
 2. MAINTAIN PEDESTRIANS BEHIND WORK AREA USING EXISTING OR TEMPORARY SURFACE AS NECESSARY.
 3. MAINTAIN PEDESTRAIN CROSSWALK ACCESS THROUGH THE CONSTRUCTION AREA.

PHASE 2

PROJ. REFERENCE NO.	SHEET NO.
U-5730	TMP-3
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900, Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



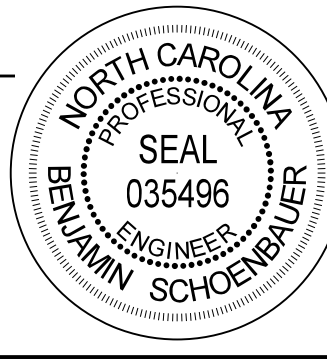
REVISIONS

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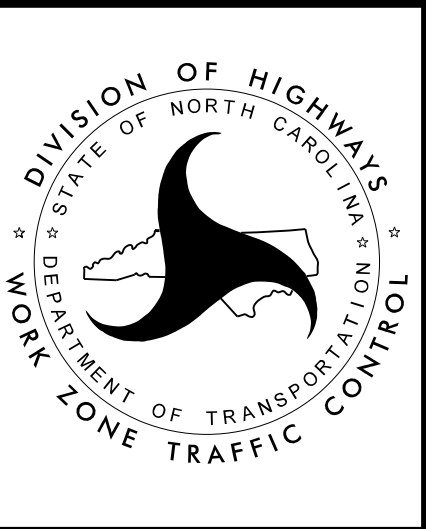
APPROVED: *Ben Schoenbecker*

DATE: 5/13/2026

SEAL



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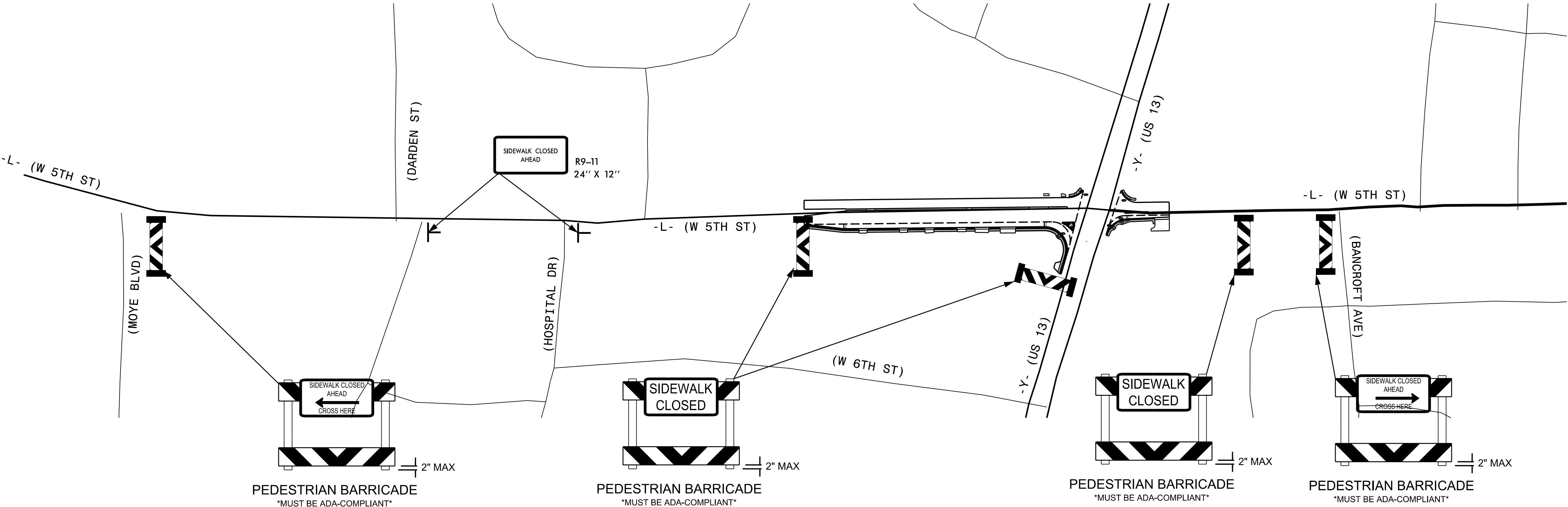
REVISIONS

PHASE 1

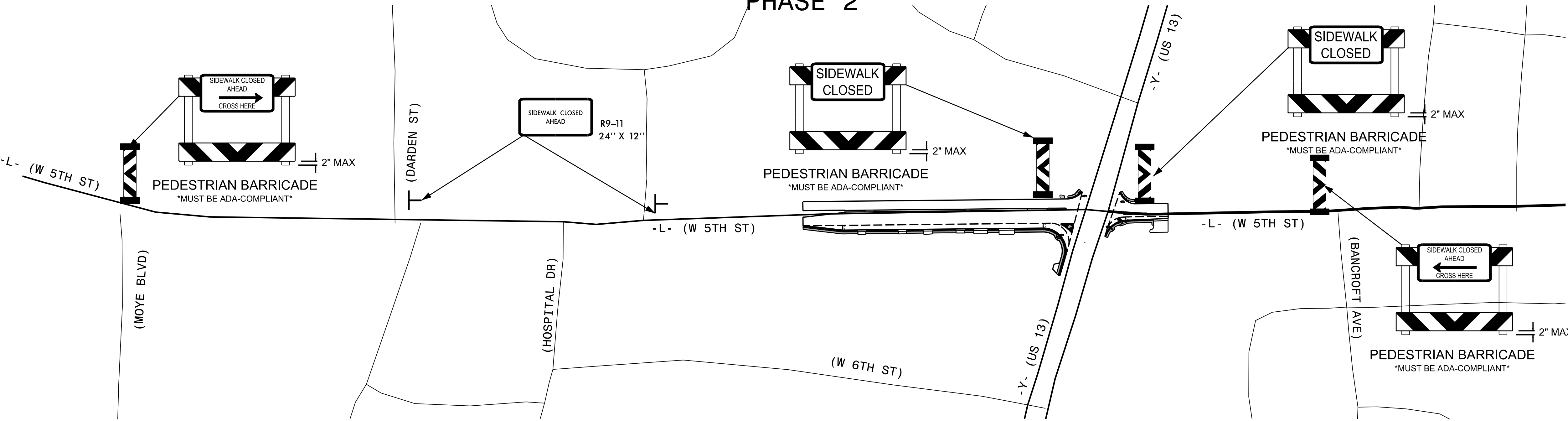
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U-5730	TMP-4

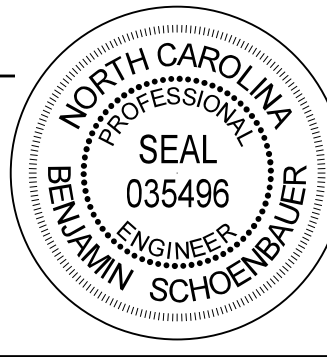
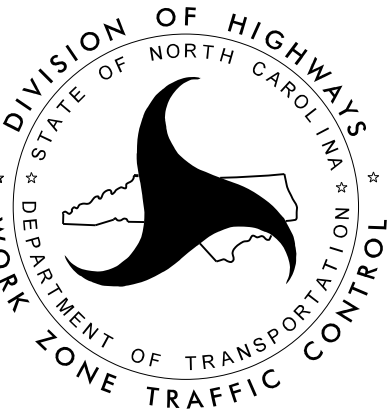


HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900, Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116



PHASE 2



APPROVED: <i>Ben Schoenbauer</i>			PEDESTRIAN DETAILS
DATE: 5/13/2026			
SEAL			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

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DATE: 4/28/2026

T.I.P.: U-5730

CONTRACT: DB00626

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
PITT COUNTY

LOCATION: INTERSECTION AT US-13 AND NC 43 (W 5TH ST)

INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE, GENERAL NOTES, ROADWAY STANDARD DRAWINGS, AND INDEX
PMP-1A AND PMP-1B	PAVEMENT MARKING DETAILS
PMP-2	PAVEMENT MARKING SHEET

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - 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
1205.01 (SHEET 2 ONLY.	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS SEE PMP-1A FOR REVISED SHEET 1)
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1250.01 (SHEETS 1 AND 3 ONLY.	RAISED PAVEMENT MARKERS - INSTALLATION SPACING SEE PMP-1B FOR REVISED SHEET 2)

GENERAL NOTES

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

- A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
ALL ROADS	THERMOPLASTIC	POLYCARBONATE H-SHAPED SNOWPLOWABLE

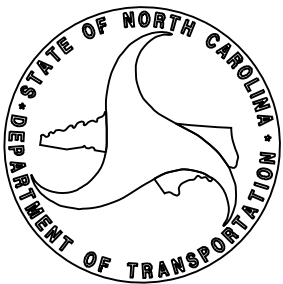
- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
D) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.
M) SEE ROADWAY STANDARD DRAWING 848.06, SHEETS 1 THRU 13, FOR ALTERNATE CURB RAMP DESIGNS WHEN INDICATED ON PAVEMENT MARKING PLAN SHEETS.

PROJECT REFERENCE NO.	SHEET NO.
U-5730	PMP-1
APPROVED: <i>Cassy Harris</i>	
DATE: 5/13/2026	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

PLAN SUBMITTED TO: N.C.D.O.T. SIGNING AND DELINEATION UNIT

SIGNING & DELINEATION STANDARDS ENGINEER

SIGNING & DELINEATION PROJECT DESIGN ENGINEER



PLAN PREPARED BY: HDR ENGINEERING, INC. OF THE CAROLINAS

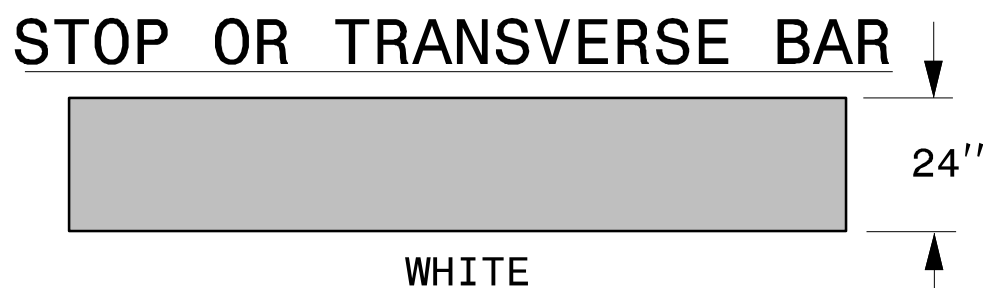
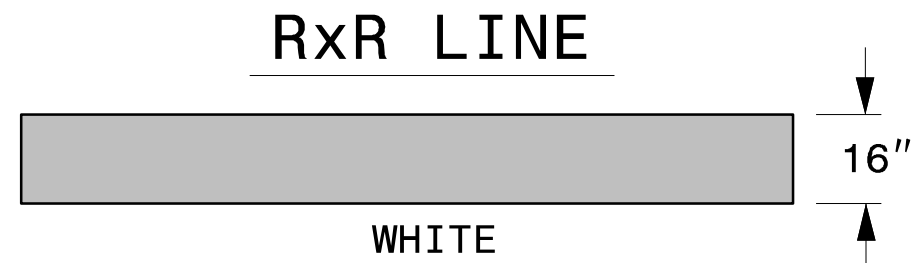
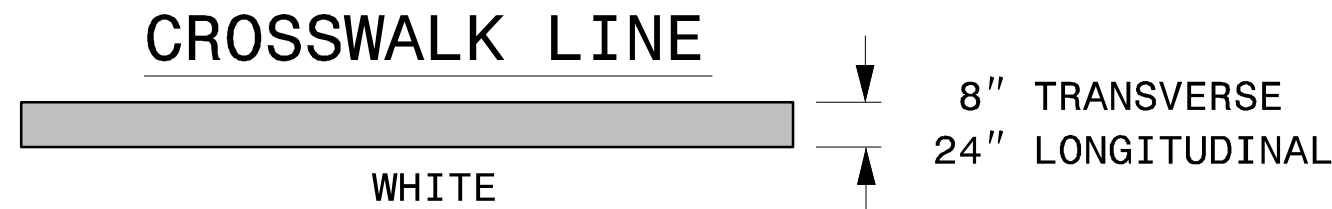
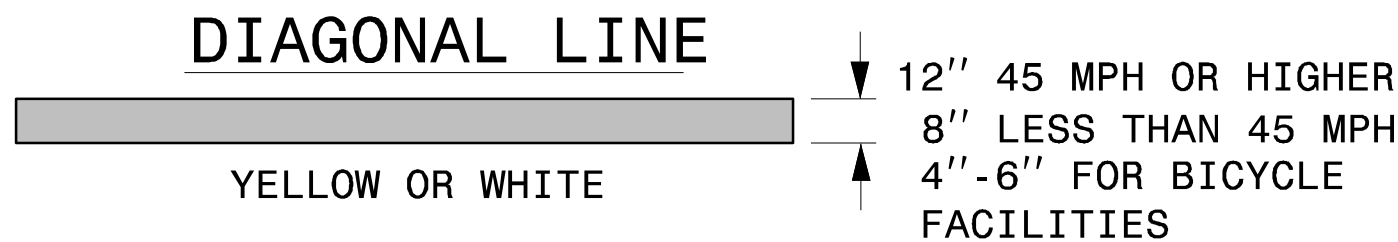
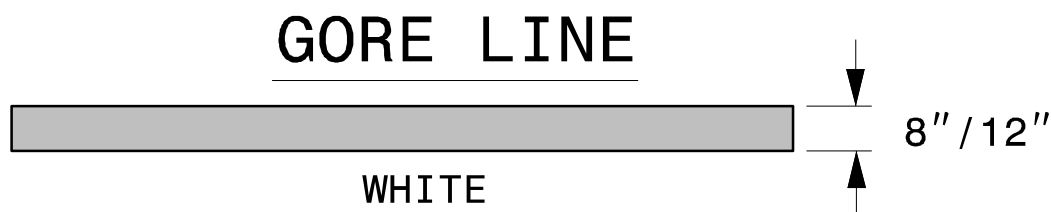
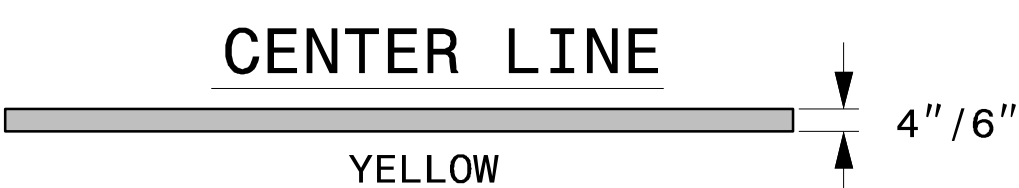
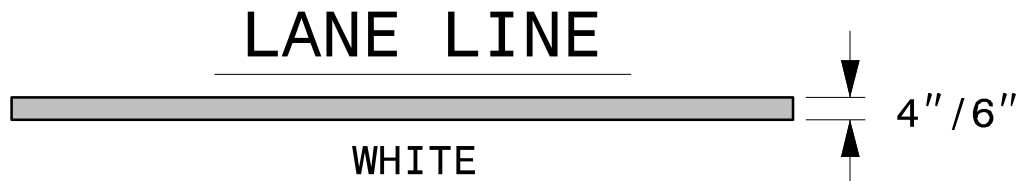
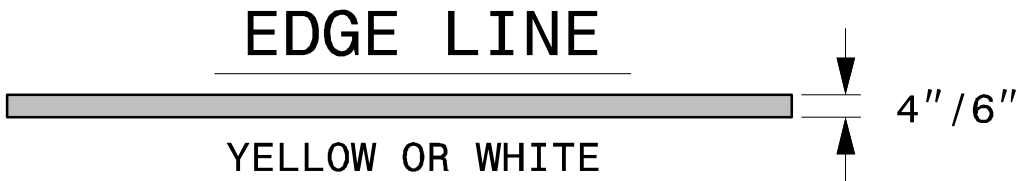
CASEY HARRIS, P.E. _____ SIGNING & DELINEATION PROJECT DESIGN ENGINEER
CHRIS HARNDEN _____ SIGNING & DELINEATION PROJECT DESIGN TECHNICIAN



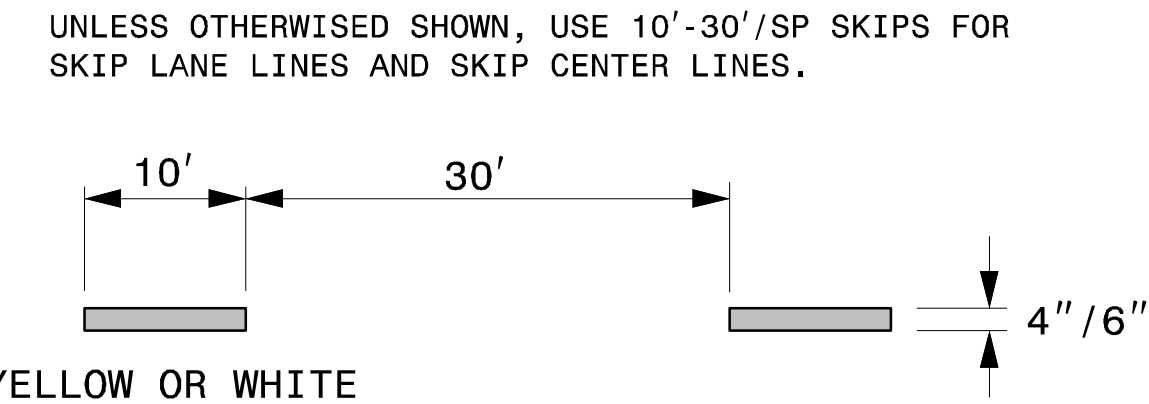
HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

PROJECT REFERENCE NO.	SHEET NO.
U-5730	PMP-1A

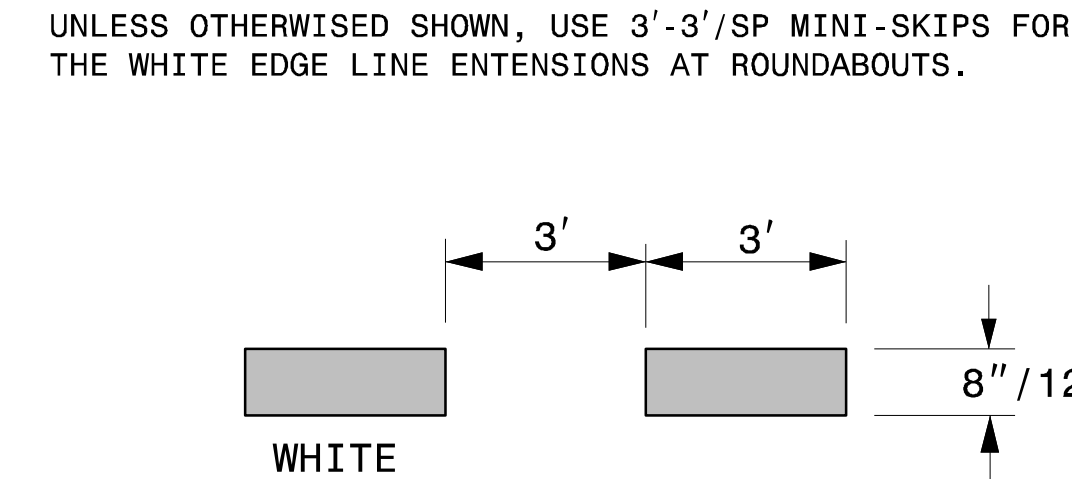
CONTINUOUS LINES



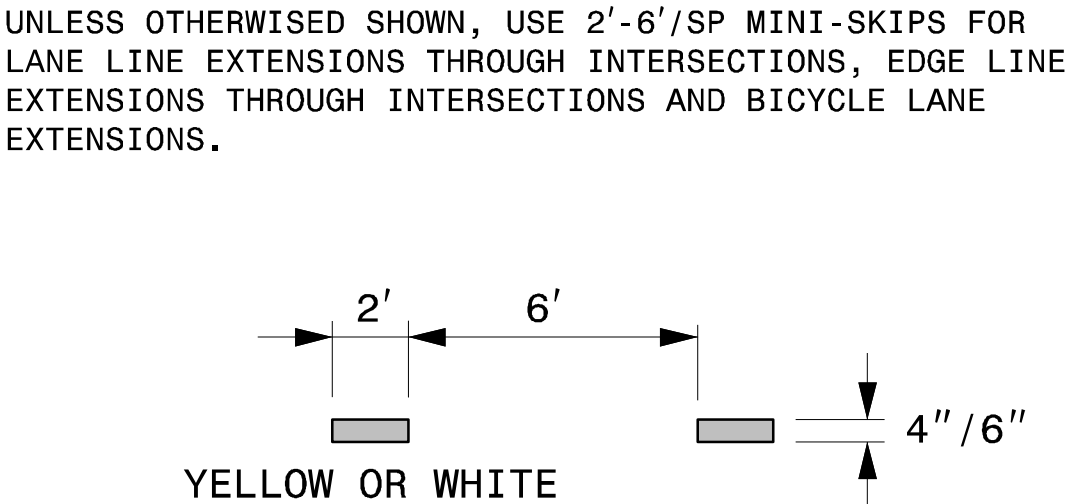
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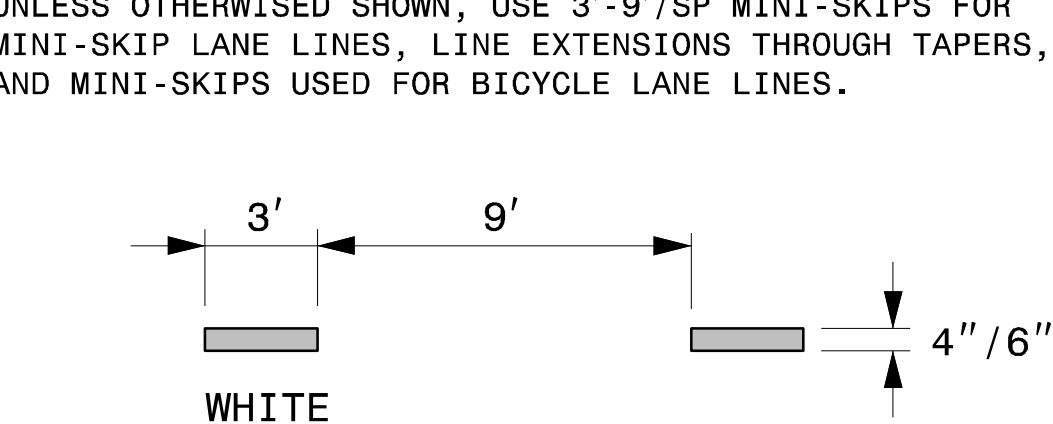
3'-3'/SP MINI-SKIP LINE



2'-6'/SP MINI-SKIP LINE



3'-9'/SP MINI-SKIP LINE



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

ROADWAY DETAIL DRAWING FOR
PAVEMENT MARKINGS
LINE TYPES AND OFFSETS

SHEET 1 OF 2
1205D01

- GENERAL NOTES:
- 1- USE 6" LANE, EDGE, AND CENTER LINES ON ALL FULL CONTROL OF ACCESS FACILITIES AND OTHER ROUTES AS DIRECTED BY THE ENGINEER.
 - 2- LANE LINES INDICATED AS "WIDE" ON THE ROADWAY STANDARD DRAWINGS SHALL BE AT LEAST TWICE THE WIDTH OF THE NORMAL LINE.
 - 3- GORE LINES SHALL BE TWICE THE WIDTH OF THE NORMAL LINE.



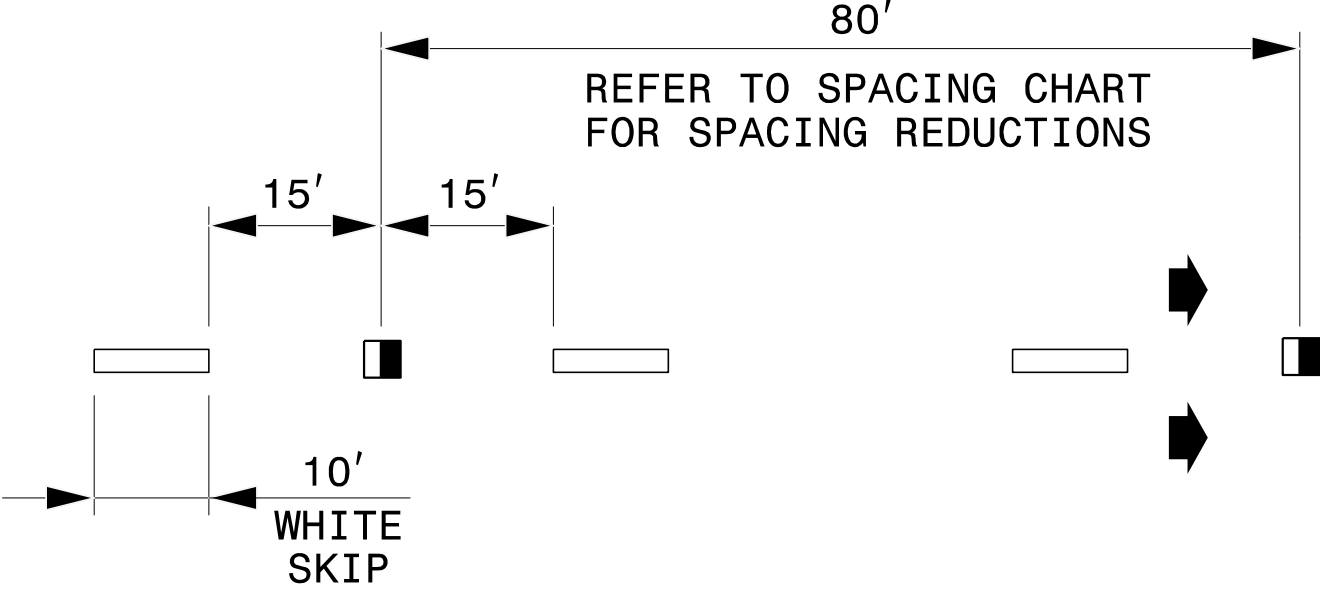
5/12/2026

CONTRACTS STANDARDS
AND DEVELOPMENT UNIT
Office 919-707-8950 FAX 919-250-4119

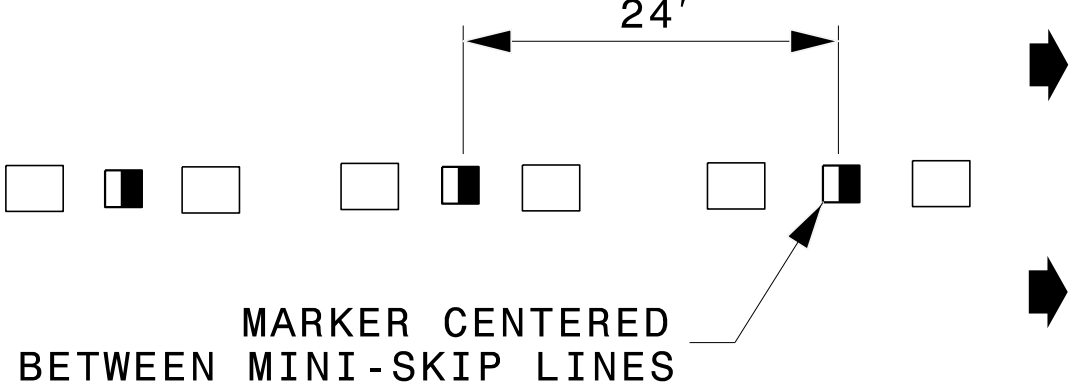
SEE TITLE BLOCK

ORIGINAL BY: M.V. SPRINGER DATE: 2-15-24
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.:

10'-30'/SP SKIP LINE



3'-9'/SP MINI-SKIP LINE



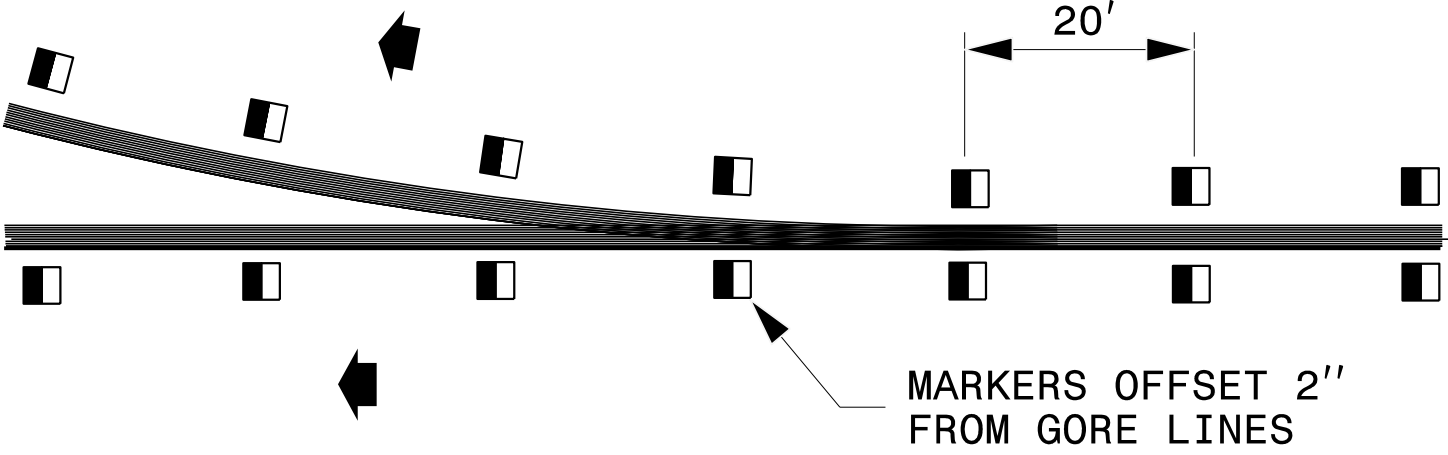
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 CRYSTAL/RED PAVEMENT MARKER

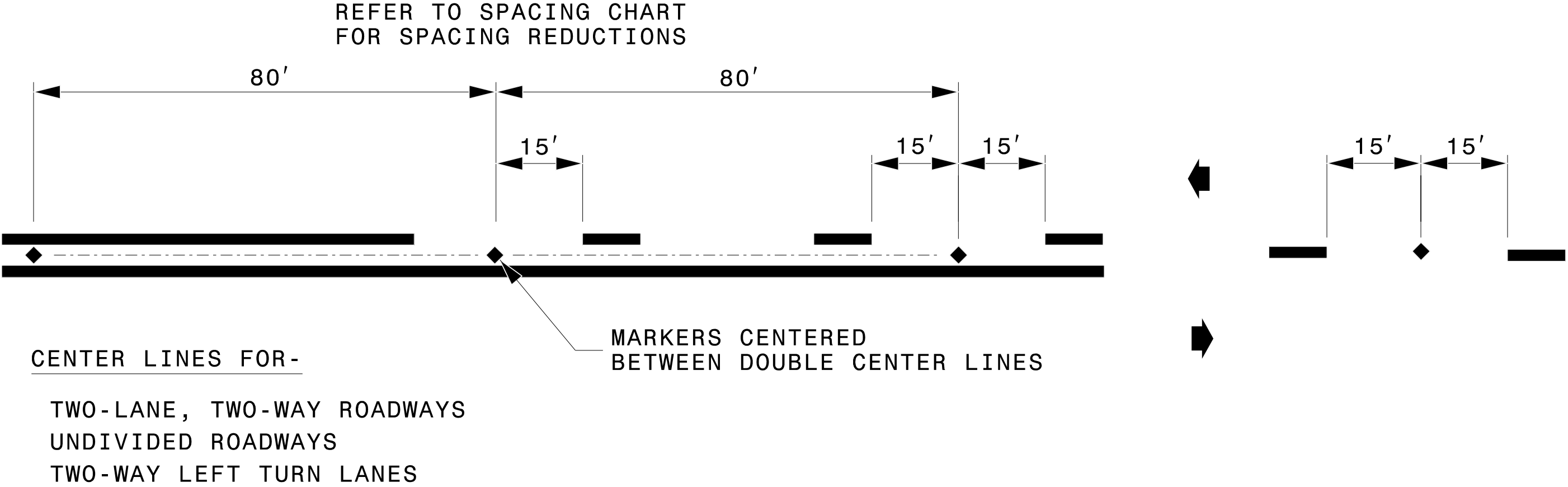
 YELLOW/YELLOW PAVEMENT MARKER

 DIRECTION OF TRAFFIC FLOW

GORE LINES

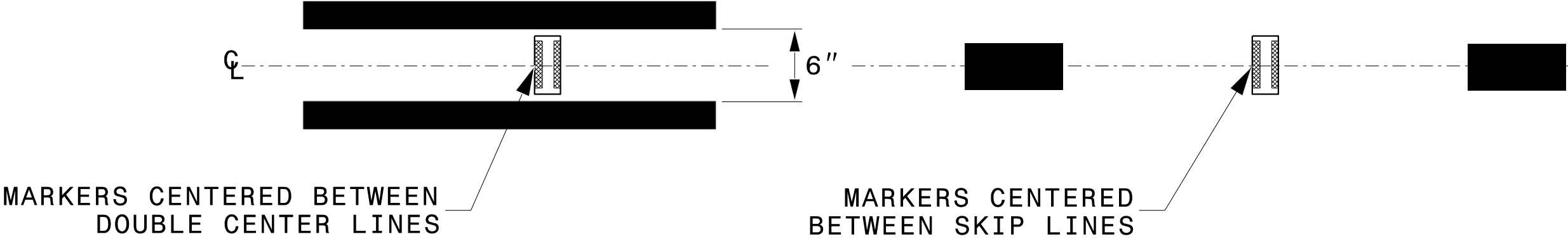


YELLOW CENTER LINES



DETAIL OF PAVEMENT MARKER PLACEMENT

RAISED REFLECTIVE PAVEMENT MARKERS



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

ROADWAY DETAIL DRAWING FOR
RAISED PAVEMENT MARKERS
INSTALLATION SPACING

SHEET 2 OF 3

1250D01

5/12/2026

CONTRACTS STANDARDS
AND DEVELOPMENT UNIT
Office 919-707-8950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: M.V. SPRINGER	DATE: 2-15-24
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.:	

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PENTABLE: NCDOT_PMP.tbl
USER: CHARNDEN
DATE: 5/13/2026
TIME: 11:06:45 AM
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PAVEMENT MARKING SCHEDULE			
T1	THERMOPLASTIC 4" WHITE EDGELINE (90 MIL)	T54	THERMOPLASTIC 12" 3'-9'/SP. WHITE MINI-SKIP (90 MIL)
T2	THERMOPLASTIC 4" WHITE SOLID LANE LINE (90 MIL)	T61	THERMOPLASTIC 24" WHITE STOPBAR (90 MIL)
T5	THERMOPLASTIC 4" 2'-6'/SP. WHITE MINI-SKIP (90 MIL)	T62	THERMOPLASTIC 24" WHITE CROSSWALK LINE (90 MIL)
T10	THERMOPLASTIC 4" YELLOW EDGELINE (90 MIL)	T70	THERMOPLASTIC LEFT TURN ARROW (90 MIL)
T13	THERMOPLASTIC 4" YELLOW DOUBLE CENTER (90 MIL)	T71	THERMOPLASTIC RIGHT TURN ARROW (90 MIL)
T21	THERMOPLASTIC 6" WHITE SOLID LANE LINE (90 MIL)	T72	THERMOPLASTIC STRAIGHT ARROW (90 MIL)
T22	THERMOPLASTIC 6" 10'-30'/SP. WHITE SKIP (90 MIL)	T74	THERMOPLASTIC COMBO RIGHT-STRAIGHT ARROW (90 MIL)
T23	THERMOPLASTIC 6" 3'-9'/SP. WHITE MINI-SKIP (90 MIL)	T100	THERMOPLASTIC ALPHANUMERIC CHARACTER (90 MIL)
T30	THERMOPLASTIC 6" YELLOW EDGELINE (90 MIL)	T103	THERMOPLASTIC 24" YIELD LINE TRIANGLE (90 MIL)
T40	THERMOPLASTIC 8" WHITE GORELINE (90 MIL)	NOT SHOWN ON PLANS	
T50	THERMOPLASTIC 12" WHITE GORELINE (90 MIL)	ME	SNOWPLOWABLE MARKER - YELLOW & YELLOW
T53	THERMOPLASTIC 12" WHITE SOLID LANE LINE (90 MIL)	MF	SNOWPLOWABLE MARKER - CRYSTAL & RED



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N.C.B.E.L.S. License Number: F-0116

PROJECT REFERENCE NO.	SHEET NO.
U-5730	PMP-2

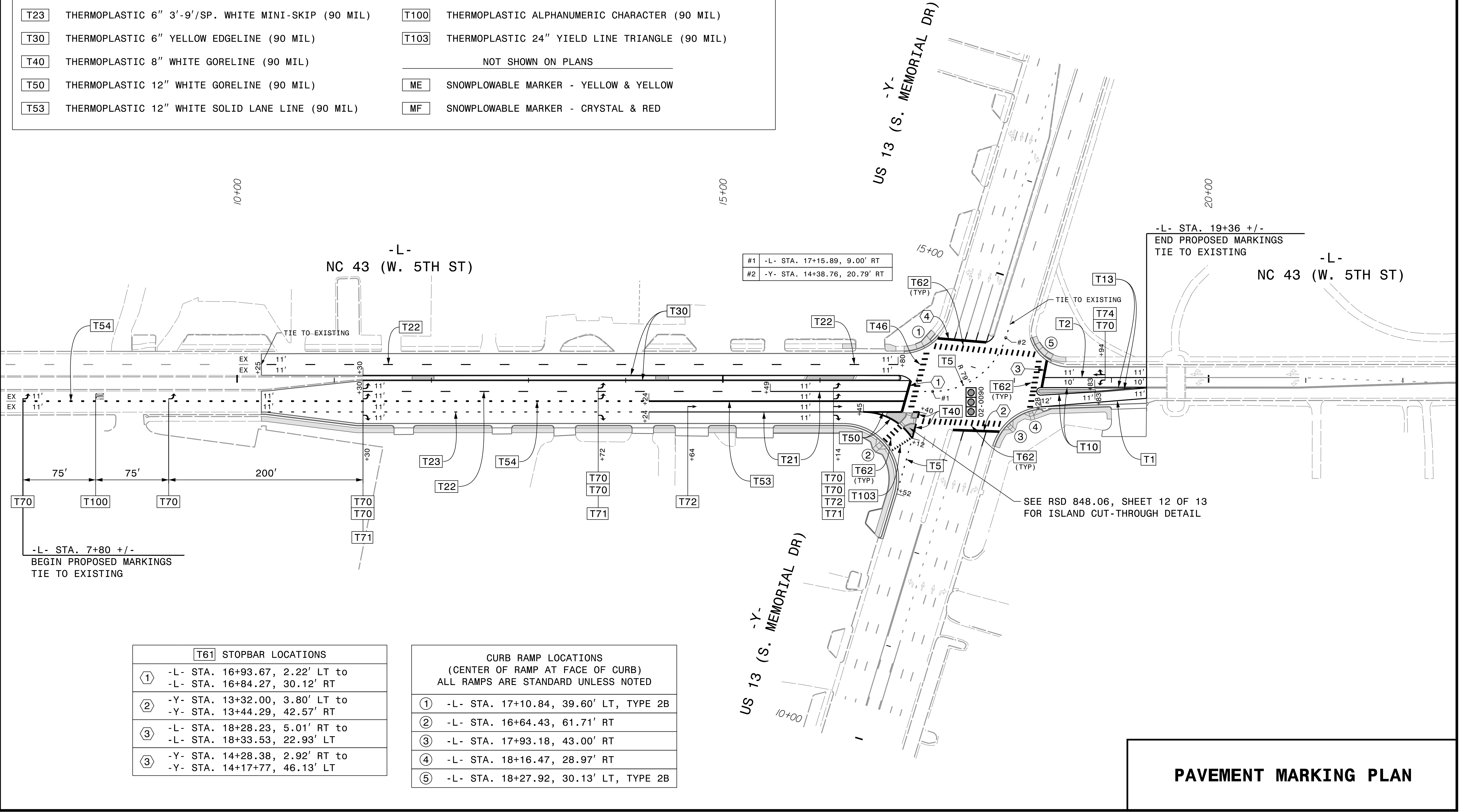
APPROVED: 

DATE: 5/13/2026

SEAL

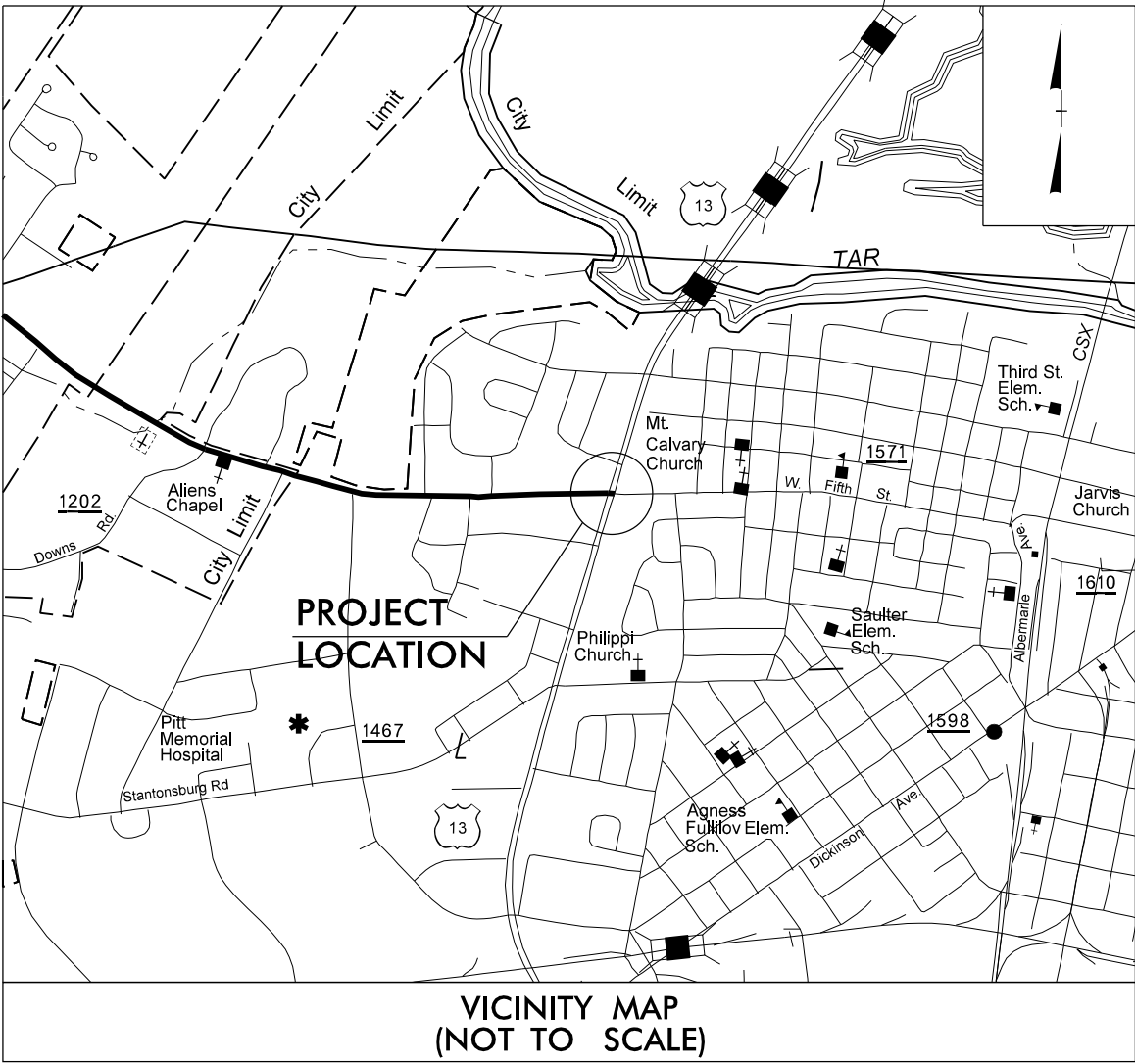


DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



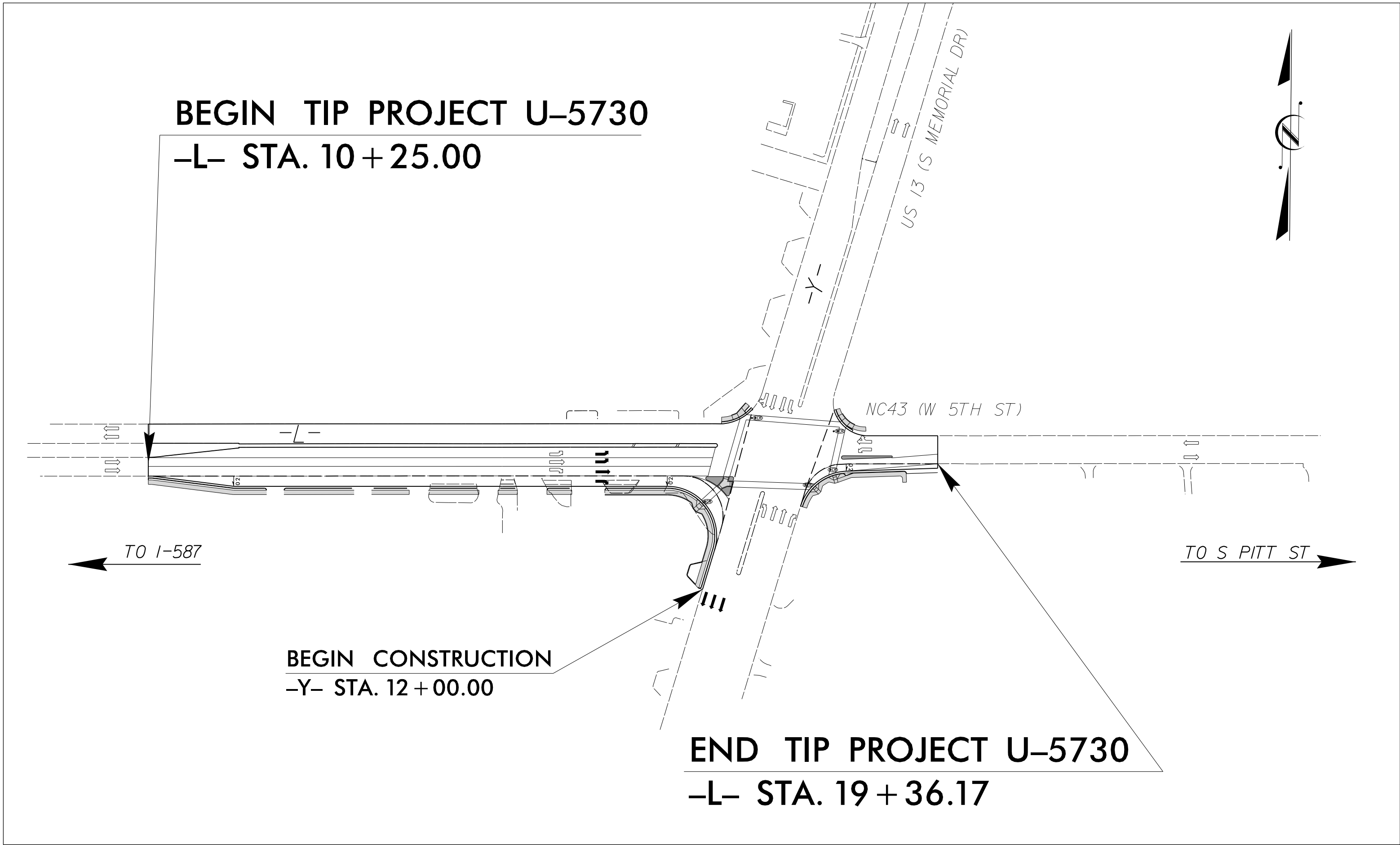
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TIP PROJECT: U-5730



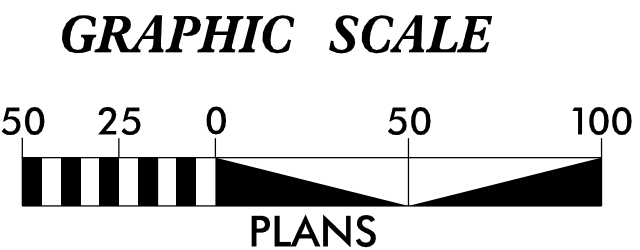
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL
PITT COUNTY

LOCATION: INTERSECTION AT W 5TH ST AND US-13
TYPE OF WORK: GRADING, DRAINAGE, AND PAVING

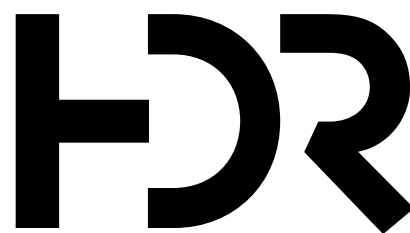


THIS PROJECT CONTAINS
EROSION CONTROL PLANS
FOR CLEARING AND
GRUBBING PHASE OF
CONSTRUCTION.

THIS PROJECT HAS
BEEN DESIGNED TO
SENSITIVE WATERSHED
STANDARDS.



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY
WITH THE REGULATIONS SET FORTH BY THE
NCG-010000 GENERAL STORMWATER CONSTRUCTION PERMIT ISSUED BY
THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL
QUALITY DIVISION OF ENERGY, MINERAL, AND
LAND RESOURCES.



Prepared in the Office of:
HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900
Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116
2024 STANDARD SPECIFICATIONS

Designed by:
David R. Wagner II, PE 4286
NAME LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

The "Roadway Standard Drawings"- Roadway Design Unit - N. C.
Department of Transportation - Raleigh, N. C., dated January 2024
and the latest revision thereto are applicable to this project and by
reference hereby are considered a part of these plans.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.		SHEET NO.	
U-5730		EC-2	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

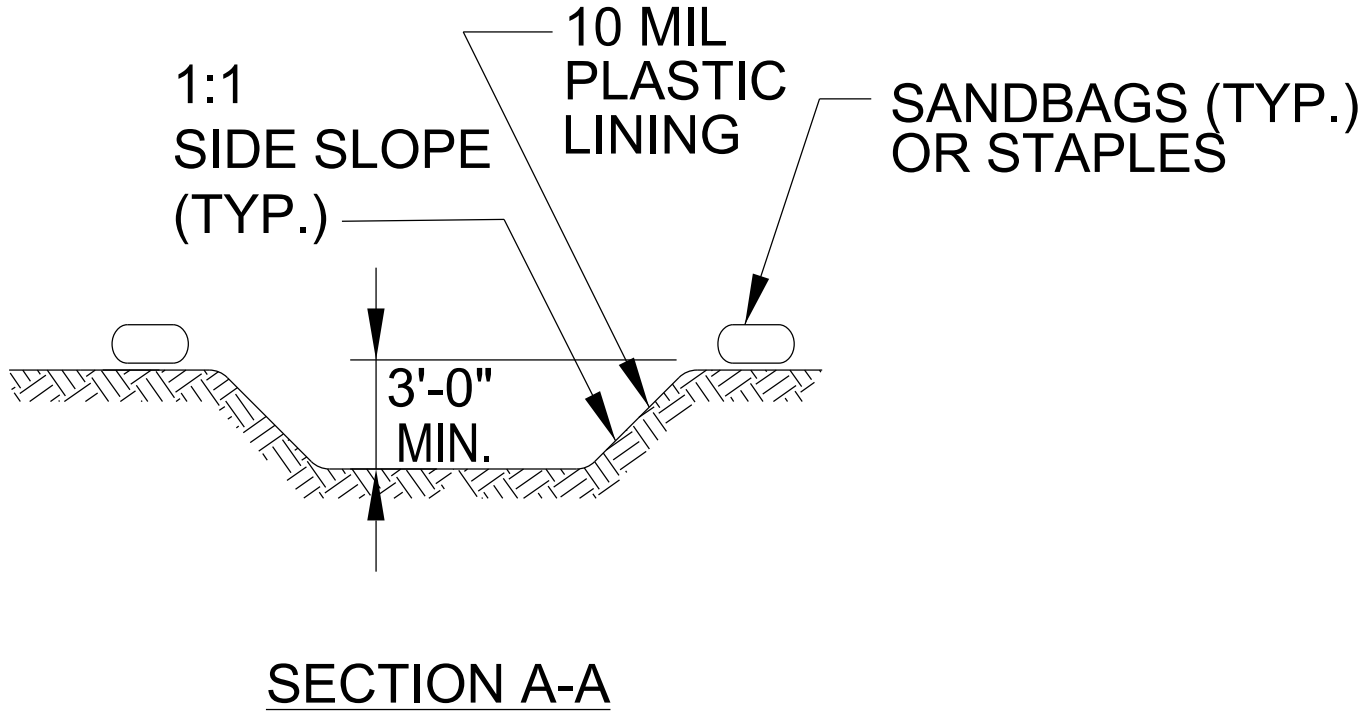
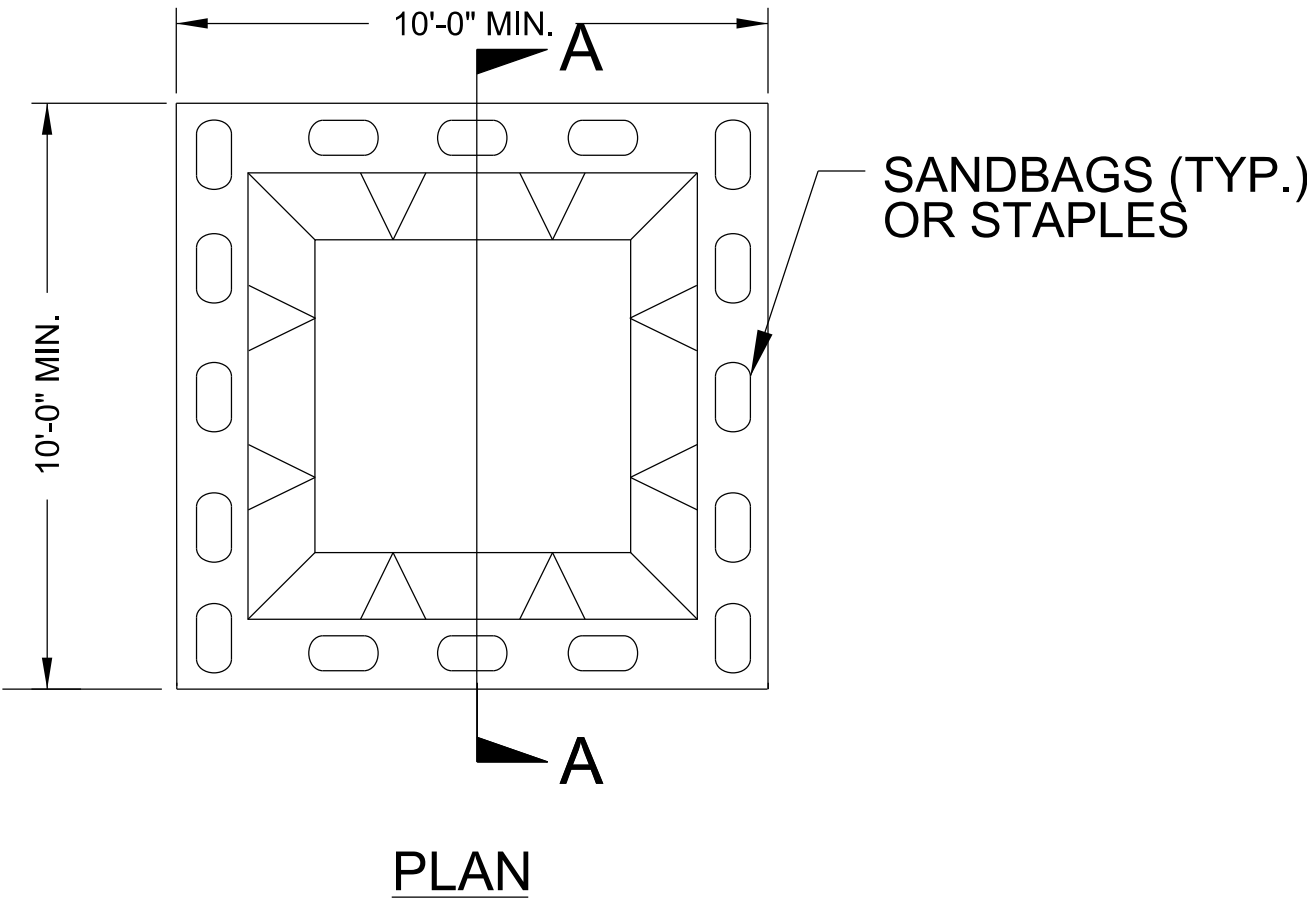
EROSION & SEDIMENT CONTROL LEGEND

Std. #	Description	Symbol
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.02	Silt Basin Type B	
1630.03	Temporary Silt Ditch	
1630.04	Stilling Basin	
1630.05	Temporary Diversion	
1630.06	Special Stilling Basin	
1630.07	Skimmer Basin	
1630.08	Tiered Skimmer Basin	
1630.09	Earthen Dam with Skimmer	
	Infiltration Basin	
	Rock Inlet Sediment Trap:	
1632.01	Type A	
1632.02	Type B	
1632.03	Type C	

Std. #	Description	Symbol
1633.01	Temporary Rock Silt Check Type A	
1633.02	Temporary Rock Silt Check Type B	
1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant	
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	
1636.01	Excelsior Wattle Check	
1636.01	Excelsior Wattle Check with Flocculant	
1636.01	Coir Fiber Wattle Check	
1636.01	Coir Fiber Wattle Check with Flocculant	
1636.02	Silt Fence Excelsior Wattle Break	
	Silt Fence Coir Fiber Wattle Break	
1636.03	Excelsior Wattle Barrier	
1636.03	Coir Fiber Wattle Barrier	

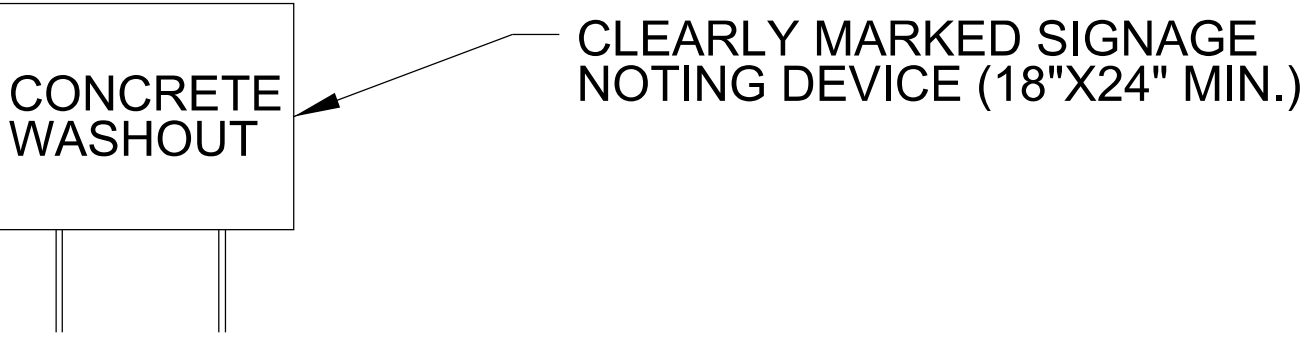
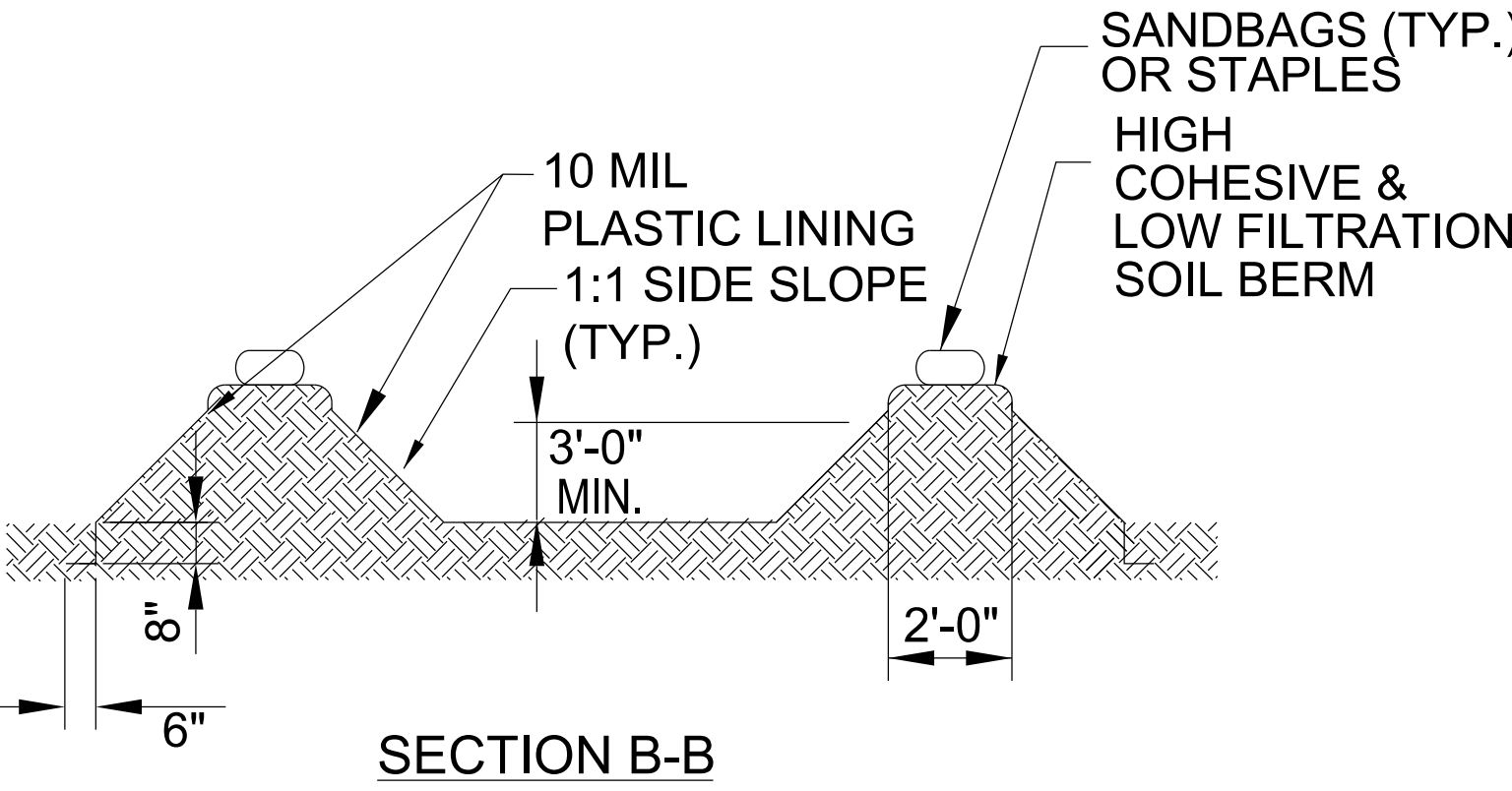
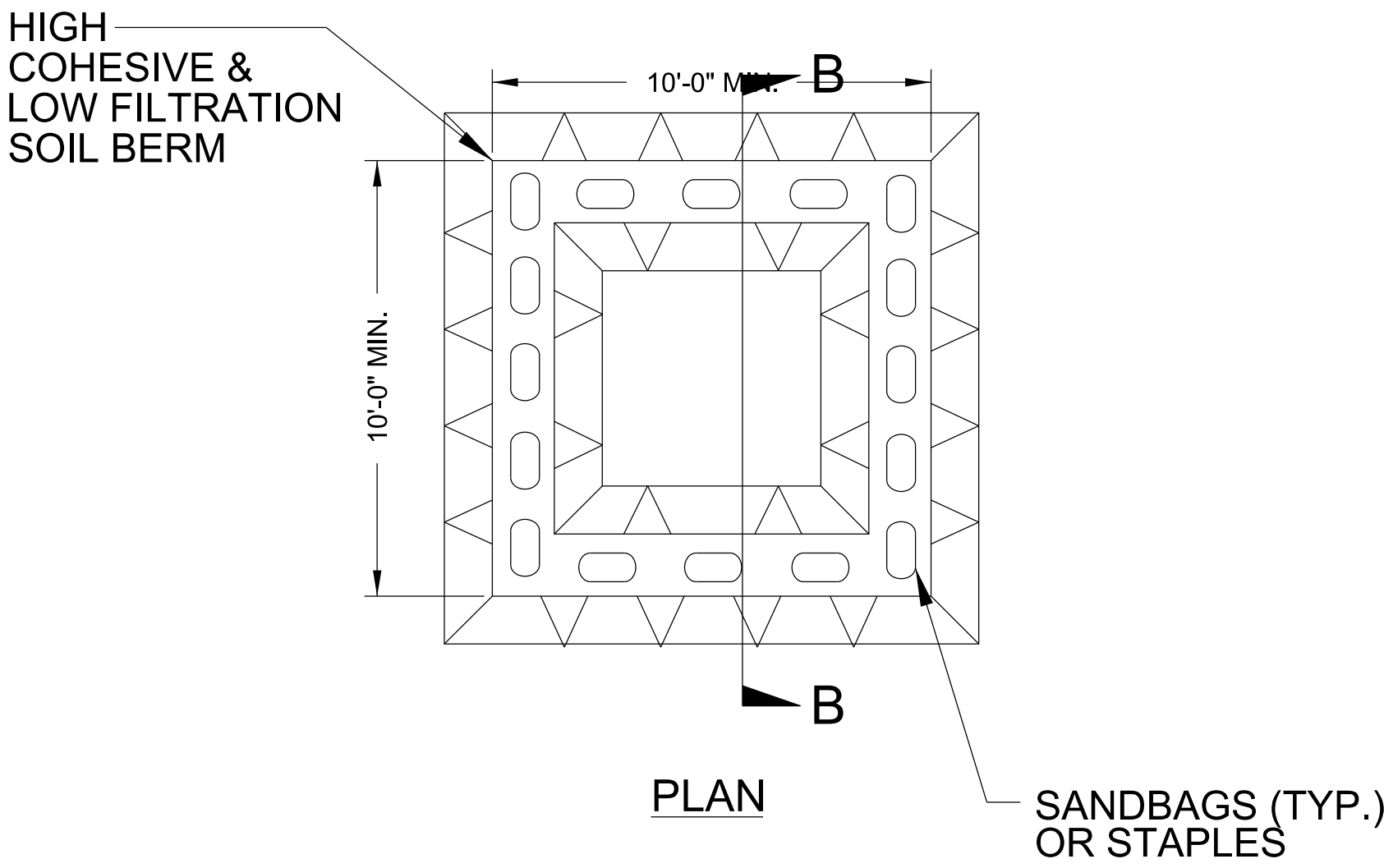
PROJECT REFERENCE NO.	SHEET NO.
U-5730	EC-2A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



- 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.

BELOW GRADE WASHOUT STRUCTURE
NOT TO SCALE



- 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.

ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
<i>U-5730</i>	<i>EC-3</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL

[illegible]

MATTING FOR EROSION CONTROL

[illegible]

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA



HDR Engineering, Inc. of the Carolinas

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N.C.B.E.L.S. License Number: F-0116

PROJECT REFERENCE NO.

U-5730

SHEET NO.

EC-3A

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

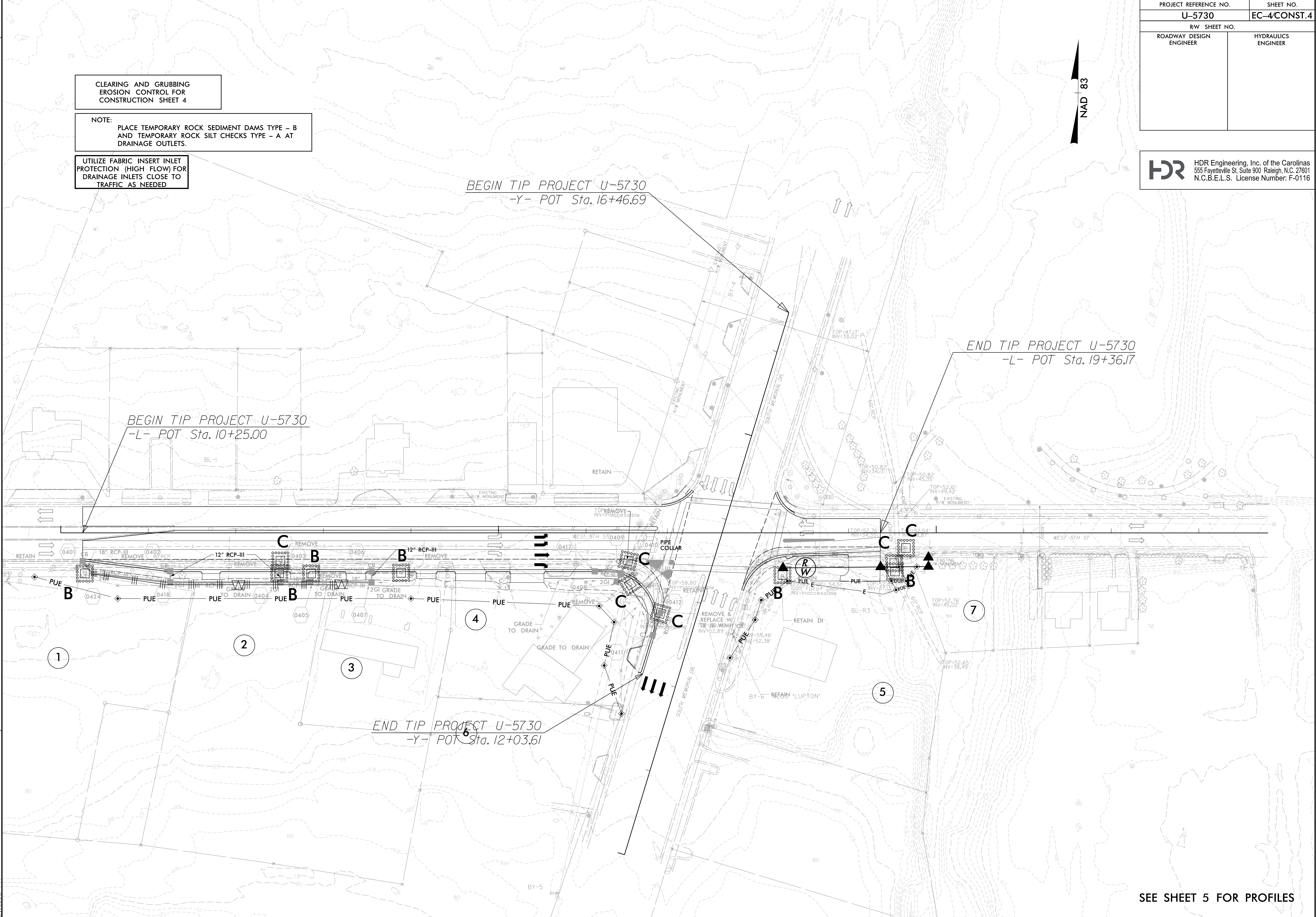
SOIL STABILIZATION TIMEFRAMES

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

8/17/99

REVISIONS

3/3/2026
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PROJECT REFERENCE NO.	SHEET NO.
U-5730	EC-4CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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N.C.B.E.L.S. License Number: F-0116

SEE SHEET 5 FOR PROFILES

8/17/99

REVISIONS

3/3/2026
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PROJECT REFERENCE NO.	SHEET NO.
U-5730	EC-5/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

NAD 83

UTILIZE FABRIC INSERT INLET PROTECTION (HIGH FLOW) FOR DRAINAGE INLETS CLOSE TO TRAFFIC AS NEEDED

BEGIN TIP PROJECT U-5730
-Y- POT Sta. 16+46.69

BEGIN TIP PROJECT U-5730
-L- POT Sta. 10+25.00

END TIP PROJECT U-5730
-L- POT Sta. 19+36.17

END TIP PROJECT U-5730
-Y- POT Sta. 12+03.61

SEE SHEET 5 FOR PROFILES

T.I.P.: U-5730

CONTRACT: DB00626

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
PITT COUNTY

LOCATION: INTERSECTION AT US-13 AND NC 43 (W 5TH ST)

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
901.50	ARROWS AND SHIELDS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	181	L.F.
4096000000	904	SIGN ERECTION, TYPE D	2	EA.
4102000000	904	SIGN ERECTION, TYPE E	3	EA.
4108000000	904	SIGN ERECTION, TYPE F	2	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	5	EA.

GENERAL NOTES

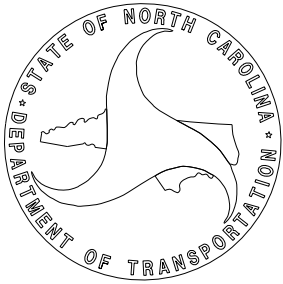
- . CONFIRM IN WRITING AT LEAST 4 MONTHS IN ADVANCE, THE ACTUAL DATE THE DEPARTMENT FURNISHED SIGNS WILL BE REQUIRED.
- . ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- . IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) 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.

INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	TYPE D SIGN DESIGNS, E AND F SIGNS
SIGN-3	SIGN DETAIL SHEET

PLAN SUBMITTED TO: N.C.D.O.T. SIGNING AND DELINEATION UNIT

____ SIGNING & DELINEATION STANDARDS ENGINEER
____ SIGNING & DELINEATION PROJECT DESIGN ENGINEER

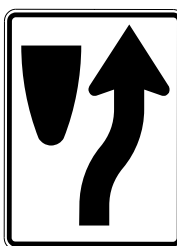


PLAN PREPARED BY: HDR ENGINEERING, INC. OF THE CAROLINAS

CASEY HARRIS, P.E. SIGNING & DELINEATION PROJECT DESIGN ENGINEER
RICHARD DRAYTON SIGNING & DELINEATION PROJECT DESIGN TECHNICIAN

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

TIP NO.	SHEET NO.
U-5730	SIGN-1
APPROVED: <i>Casey Harris</i>	
DATE: 5/13/2026	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

401 QUANTITY REQ'D 2  36 X 36 R3-7L ONE "U" POST	501 SOUTH 13 43 → SOUTH 11 903 → 2-24" X 12" 2-24" X 24" 2-24" X 24" 2-21" X 15" TWO "U" POSTS
402 QUANTITY REQ'D 1  24 X 30 R4-7 ONE "U" POST	501 SOUTH 13 43 SOUTH 11 903 2-24" X 12" 2-24" X 24" 2-24" X 24" TWO "U" POSTS

[illegible]

TIP NO. U-5730	SHEET NO. SIGN-2
APPROVED: <u>Cesey Harris</u>	
DATE: <u>5/13/2026</u>	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

TYPE "D", "E" & "F" SIGNS

TIP NO.	SHEET NO.
U-5730	SIGN-3
APPROVED: <i>Casey Harris</i>	
DATE: 5/13/2026	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



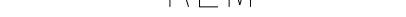
NOTES:

- 1. DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2. RELOCATE BY OTHERS

DETAIL

1	INSTALL COAX CABLE
2	INSTALL ETHERNET CABLE
3	EXISTING ETHERNET (OR COAX) CABLE
4	INSTALL SMFO CABLE
5	EXISTING SMFO CABLE
6	INSTALL FIBER OPTIC DROP CABLE
7	INSTALL TRACER WIRE
8	TRENCH
9	INSTALL PVC CONDUIT
10	INSTALL RIGID, GALVANIZED STEEL CONDUIT
11	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD
12	INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL
13	INSTALL OUTER-DUCT POLYETHYLENE CONDUIT
14	INSTALL POLYETHYLENE CONDUIT
15	DIRECTIONAL DRILL CONDUIT
16	BORE AND JACK CONDUIT
17	INSTALL CABLE(S) IN EXISTING CONDUIT
18	INSTALL CABLE(S) IN NEW CONDUIT
19	INSTALL CABLE(S) IN EXISTING RISER
20	INSTALL CABLE(S) IN NEW RISER
21	INSTALL CABLE(S) IN EXISTING CONDUIT STUB-OUTS
22	INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)
23	INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)
24	INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET
25	INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET
26	INSTALL NEW ETHERNET EDGE SWITCH
27	INSTALL NEW FIBER OPTIC TRANSCEIVER
28	INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS AND FUSION SPLICE CABLE IN CABINET
29	INSTALL UNDERGROUND SPLICE ENCLOSURE
30	INSTALL AERIAL SPLICE ENCLOSURE
31	MODIFY EXISTING INTERCONNECT CENTER /SPLICE ENCLOSURE
32	INSTALL POLE MOUNTED SPLICE CABINET
33	INSTALL BASE MOUNTED SPLICE CABINET
34A	INTERCEPT EXISTING CONDUIT RUN

34B	INSTALL CABINET FOUNDATION
35	INSTALL CCTV CAMERA POLE MOUNTED CABINET
36	INSTALL CCTV CAMERA ASSEMBLY
37	INSTALL CCTV CAMERA WOOD POLE
38	INSTALL CCTV CAMERA METAL POLE AND FOUNDATION
39	INSTALL JUNCTION BOX
40A	INSTALL OVERSIZED JUNCTION BOX
40B	INSTALL SPECIAL OVERSIZED JUNCTION BOX (36" x 24" x 24")
41	REMOVE EXISTING JUNCTION BOX
42	INSTALL WOOD POLE
43	REMOVE EXISTING WOOD POLE
44	INSTALL AERIAL GUY ASSEMBLY
45	INSTALL STANDARD GUY ASSEMBLY
46	INSTALL SIDEWALK GUY ASSEMBLY
47	INSTALL MESSENGER CABLE
48A	REMOVE EXISTING COMMUNICATIONS AND MESSENGER CABLE
48B	REMOVE EXISTING COMMUNICATIONS CABLE
49	BACK PULL EXISTING COMMUNICATIONS CABLE
50	INSTALL CELL MODEM AND ANTENNA
51	INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE
52A	INSTALL DELINEATOR MARKER
52B	INSTALL JUNCTION BOX MARKER
53A	STORE 20 FEET OF COMMUNICATIONS CABLE
53B	STORE 50 FEET OF EACH COMMUNICATIONS CABLE
54	LASH CABLE(S) TO EXISTING COMMUNICATIONS CABLE
55	LASH CABLE(S) TO EXISTING MESSENGER CABLE
56	LASH CABLE(S) TO NEW MESSENGER CABLE
57	MODIFY EXISTING ELECTRICAL SERVICE
58	INSTALL NEW ELECTRICAL SERVICE
59	INSTALL NEW EQUIPMENT CABINET DISCONNECT
60	BOND TRACER WIRE TO EQUIPMENT GROUND BUS
61	DO NOT BOND TRACER WIRE TO EQUIPMENT GROUND BUS
62	BOND RISER AND MESSENGER CABLE TO POLE GROUND
63	BOND RISER TO POLE GROUND
64	BOND MESSENGER CABLE TO POLE GROUND
65	INSTALL HEAT SHRINK TUBING RETROFIT KIT
66	INSTALL MOLDABLE DUCT SEAL
67	SLACK SPAN

<u>LEGEND</u>	
	NEW FIBER OPTIC COMMUNICATIONS CABLE
	EXISTING COMMUNICATIONS CABLE
	EXISTING COMMUNICATIONS CABLE TO BE REMOVED
	NEW AERIAL GUY ASSEMBLY
	NEW CONDUIT
	EXISTING CONDUIT
	NEW DIRECTIONAL DRILLED CONDUIT

NEW		EXISTING
	OVERSIZED JUNCTION BOX	
	WOOD POLE	
	AERIAL SPLICE ENCLOSURE	
	UNDERGROUND SPLICE ENCLOSURE	
	METAL POLE	
	CCTV ASSEMBLY	
	STANDARD GUY ASSEMBLY	
	SIDEWALK GUY ASSEMBLY	
	CABLE STORAGE RACKS (SNOW SHOES)	
	SIGNAL/EQUIPMENT CABINET	
	SPLICE CABINET	
	FLAT PANEL ANTENNA (SINGLE)	
	YAGI ANTENNA (DOUBLE) FOR REPEATER OPERATION	
	YAGI ANTENNA (SINGLE)	
	OMNI ANTENNA	
SP	SIGNAL POLE	SP
XX-XXXX	SIGNAL INVENTORY NUMBER	XX-XXXX

CONSTRUCTION NOTE SYMBOLS KEY

INDICATES NUMBER OF CABLES, LOOPS, ETC.

INDICATES NUMBER OF FIBERS PER CABLE,
TWISTED PAIRS PER CABLE, ETC.

INDICATES NUMBER OF RISER(S)/CONDUIT(S)

INDICATES DIAMETER OF RISER(S)/CONDUIT(S) (INCH)

NUMBER OF CABLE(S)

NUMBER OF FIBERS/TWISTED PAIRS

NEW/EXISTING CABLE

REMOVE/MODIFY CABLE

CONDUIT/RISER

NUMBER OF RISER(S)/CONDUIT(S)

DIAMETER OF RISER(S)/CONDUIT(S) (INCH)

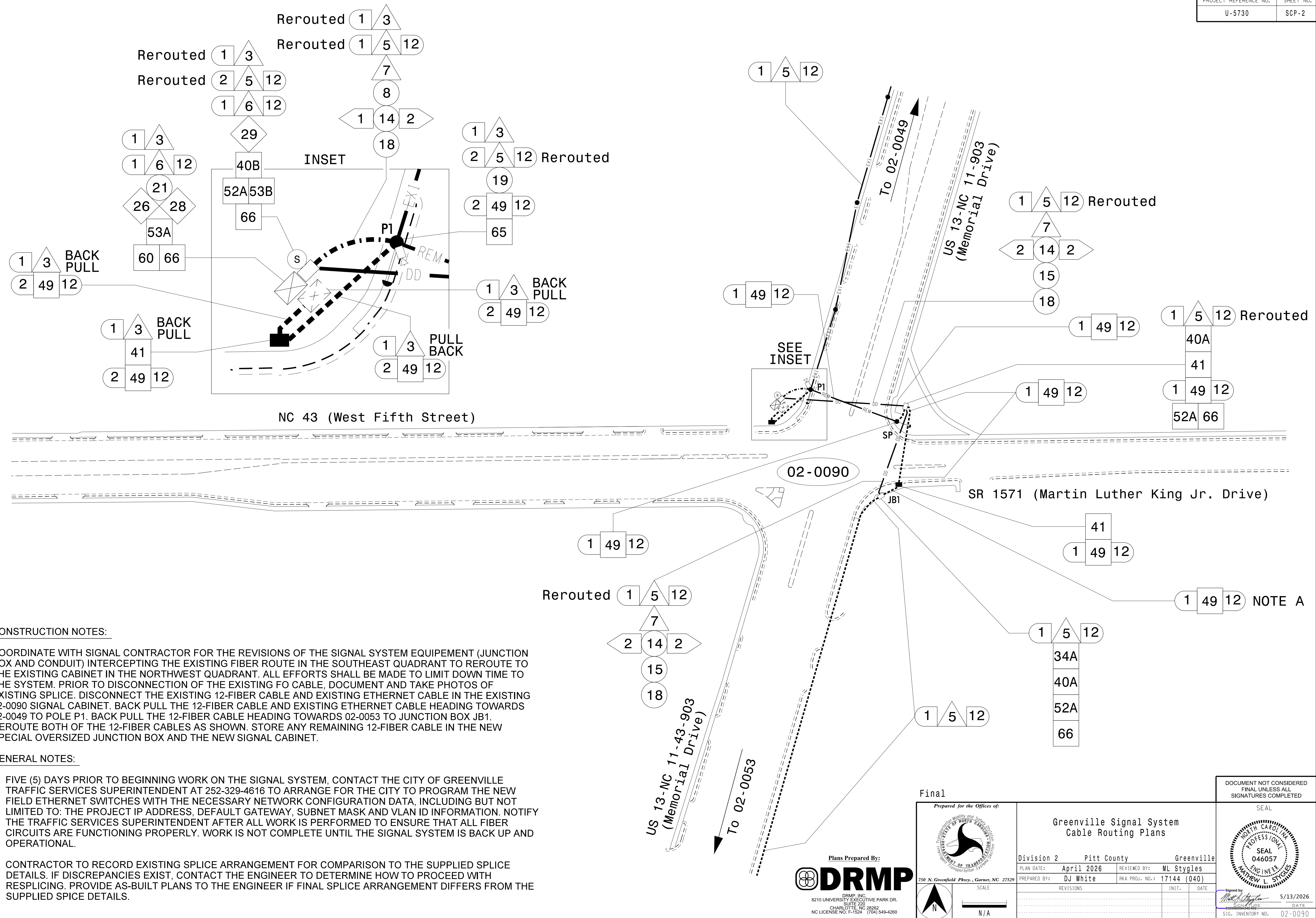
ATTACHMENT POINT:	
XX"SS YYY	DISTANCE ABOVE (IN) ATTACHMENT POINT REFERENCE POINT
YYY XX"SS	REFERENCE POINT DISTANCE BELOW (IN) ATTACHMENT POINT
"SS" REFERENCE LOCATION	
FS =	FRONT SIDE OF POLE
BS =	BACK SIDE OF POLE

Plans Prepared By:

 **DRMP**

DRMP, INC.
8210 UNIVERSITY EXECUTIVE PARK DR.
SUITE 220
CHARLOTTE, NC 28262
NC LICENSE NO. F-1524 (704) 549-4260

[illegible]



CONSTRUCTION NOTES:

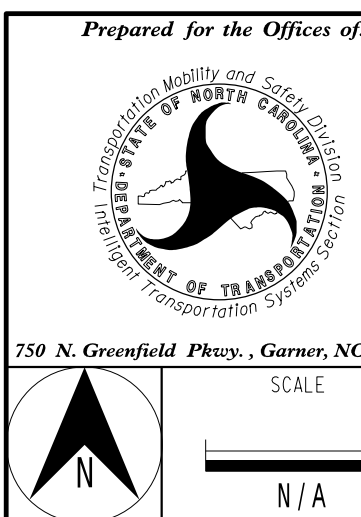
COORDINATE WITH SIGNAL CONTRACTOR FOR THE REVISIONS OF THE SIGNAL SYSTEM EQUIPEMENT (JUNCTION BOX AND CONDUIT) INTERCEPTING THE EXISTING FIBER ROUTE IN THE SOUTHEAST QUADRANT TO REROUTE TO THE EXISTING CABINET IN THE NORTHWEST QUADRANT. ALL EFFORTS SHALL BE MADE TO LIMIT DOWN TIME TO THE SYSTEM. PRIOR TO DISCONNECTION OF THE EXISTING FO CABLE, DOCUMENT AND TAKE PHOTOS OF EXISTING SPLICE. DISCONNECT THE EXISTING 12-FIBER CABLE AND EXISTING ETHERNET CABLE IN THE EXISTING 02-0090 SIGNAL CABINET. BACK PULL THE 12-FIBER CABLE AND EXISTING ETHERNET CABLE HEADING TOWARDS 02-0049 TO POLE P1. BACK PULL THE 12-FIBER CABLE HEADING TOWARDS 02-0053 TO JUNCTION BOX JB1. REROUTE BOTH OF THE 12-FIBER CABLES AS SHOWN. STORE ANY REMAINING 12-FIBER CABLE IN THE NEW SPECIAL OVERSIZED JUNCTION BOX AND THE NEW SIGNAL CABINET.

GENERAL NOTES:

1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE CITY OF GREENVILLE TRAFFIC SERVICES SUPERINTENDENT AT 252-329-4616 TO ARRANGE FOR THE CITY TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE TRAFFIC SERVICES SUPERINTENDENT AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND OPERATIONAL.
2. CONTRACTOR TO RECORD EXISTING SPLICE ARRANGEMENT FOR COMPARISON TO THE SUPPLIED SPLICE DETAILS. IF DISCREPANCIES EXIST, CONTACT THE ENGINEER TO DETERMINE HOW TO PROCEED WITH RESPLICING. PROVIDE AS-BUILT PLANS TO THE ENGINEER IF FINAL SPLICE ARRANGEMENT DIFFERS FROM THE SUPPLIED SPICE DETAILS.

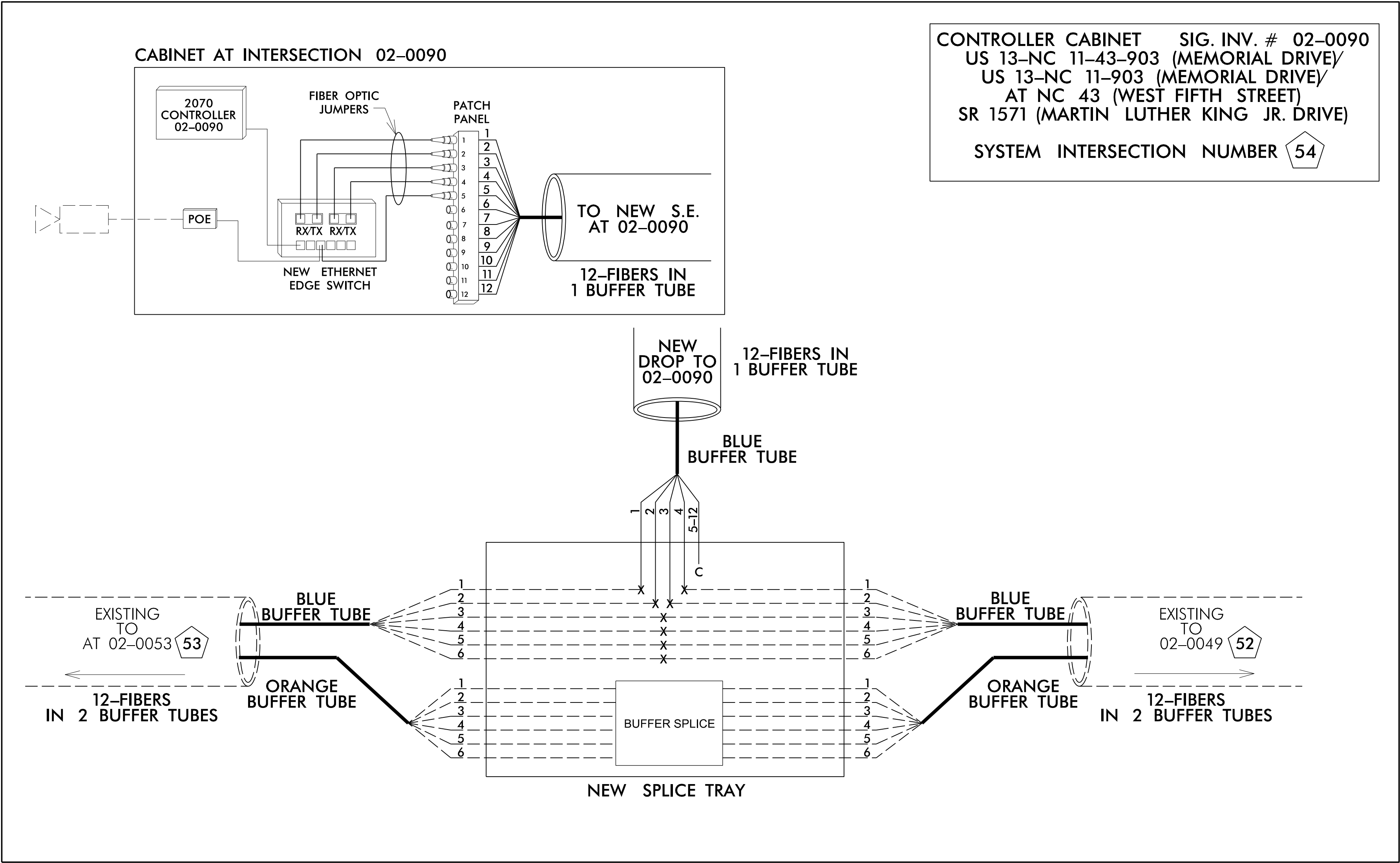


Final



Greenville Signal System Cable Routing Plans			
Division 2	Pitt County	Greenville	
PLAN DATE:	April 2026	REVIEWED BY:	ML Stygles
PREPARED BY:	DJ White	RKA PROJ. NO.:	17144 (040)
REVISIONS	INIT.	DATE	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
SEAL	
Signed by:	5/13/2026
DATE	
SIG. INVENTORY NO.	02-0090



NOTES

- FOURTEEN (14) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 2 DEPUTY TRAFFIC ENGINEER AT (252)439-2833 TO ARRANGE FOR DIVISION TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE DEPUTY TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND OPERATIONAL.
- ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING/ENSURING THE PROPER TERMINATIONS.
- INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING: REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"
 - SPLICE LOCATION
 - DATE
 - COMPANY NAME
 - NAME OF INDIVIDUAL PERFORMING THE SPLICE
- UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY.
- UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE ENCLOSURE.

Color Code				TIA/EIA 598-B	
BL	(1) Blue	RD	(7) Red		
OR	(2) Orange	BK	(8) Black		
GR	(3) Green	YL	(9) Yellow		
BR	(4) Brown	VI	(10) Violet		
SL	(5) Slate	RS	(11) Rose		
WH	(6) White	AQ	(12) Aqua		

X	=	Fusion Splice Individual Fiber
C	=	Cap and Seal
EXPRESS	=	Express entire buffer tube/fibers through without cutting
BUFFER SPLICE	=	Splice all fibers in buffer tube color to color

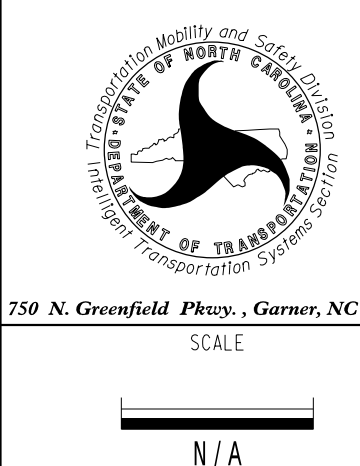
Plans Prepared By:

DRMP

DRMP, INC.
8210 UNIVERSITY EXECUTIVE PARK DR.
SUITE 200
CHARLOTTE, NC 28262
NC LICENSE NO. F-1524 (704) 549-4260

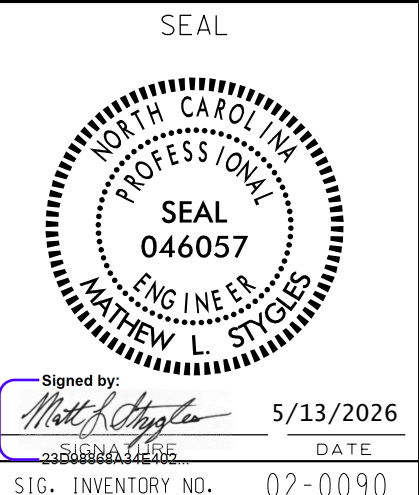
Final

Prepared for the Offices of:



Greenville Signal System Splice Details			
Division 2	Pitt County	Greenville	
PLAN DATE:	April 2026	REVIEWED BY:	ML Stygles
PREPARED BY:	DJ White	RKA PROJ. NO.:	17144 (040)
REVISIONS		INIT.	DATE

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED



8 Phase
Fully Actuated
Greenville Signal System

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 or phase 5 may be lagged.
- Phase 3 or phase 7 may be lagged.
- Set all detector units to presence mode.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- See pavement marking plans for stop bar and crosswalk locations.
- This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
- Program all signal heads for the same approach to flash concurrently during flashing operation.

LEGEND

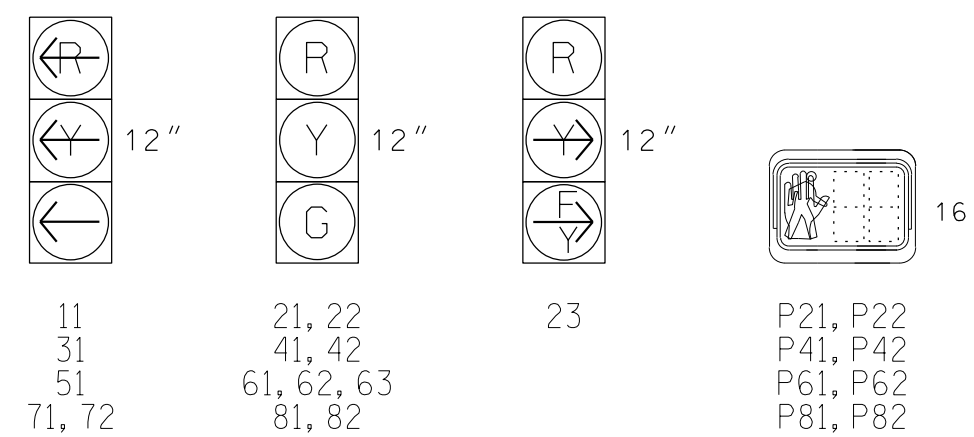
PROPOSED	EXISTING

ASC/3 DETECTOR INSTALLATION CHART											
DETECTOR					PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	SYSTEM LOOP NEW CARD
1A	*	0	*	-	1	Yes	-	-	-	N	- *
3A	*	0	*	-	3	Yes	-	-	-	N	- *
4A	*	0	*	-	4	Yes	-	-	-	N	- *
5A	*	0	*	-	5	Yes	-	-	-	N	- *
7A	*	0	*	-	7	Yes	-	-	-	N	- *
7B	*	0	*	-	7	Yes	-	-	-	N	- *
8A	*	0	*	-	8	Yes	-	10.0	-	N	- *

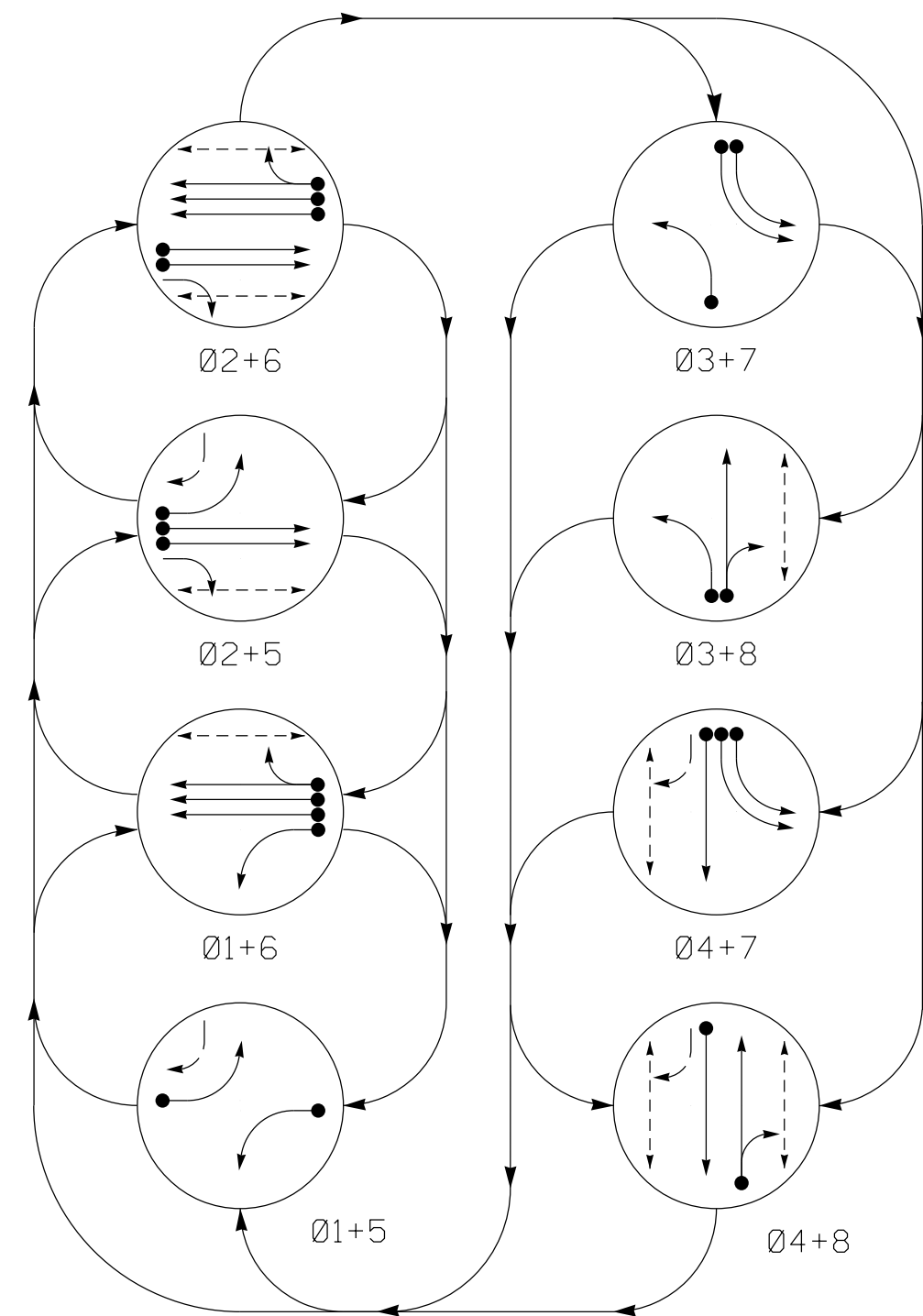
*Microwave Detection Zone

SIGNAL FACE I.D.

All Heads L.E.D.



PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

SIGNAL FACE	PHASE							
	01 + 5	01 + 6	02 + 5	02 + 6	03 + 7	03 + 8	04 + 7	04 + 8
11	←	←	←	←	←	←	←	←
21,22	R	R	G	G	R	R	R	R
23	R	R	←	←	R	R	R	R
31	←	←	←	←	←	←	←	←
41,42	R	R	R	R	R	R	G	G
51	←	←	←	←	←	←	←	←
61,62,63	R	G	R	G	R	R	R	R
71,72	←	←	←	←	←	←	←	←
81,82	R	R	R	R	R	G	R	G
P21,P22	DW	DW	W	W	DW	DW	DW	DRK
P41,P42	DW	DW	DW	DW	DW	DW	W	DRK
P61,P62	DW	W	DW	W	DW	DW	DW	DRK
P81,P82	DW	DW	DW	DW	DW	W	DW	DRK

US 13-NC 11-43-903 (Memorial Drive)

45 MPH -4% Grade

STA. -L- 16+28 +/- 65' Rt +/-

STA. -L- 16+57 +/- 80' Rt +/-

45 MPH +4% Grade

US 13-NC 11-903 (Memorial Drive)

STA. -L- 18+10 +/- 53' Rt +/-

SR 1571 (Martin Luther King Jr. Dr.)

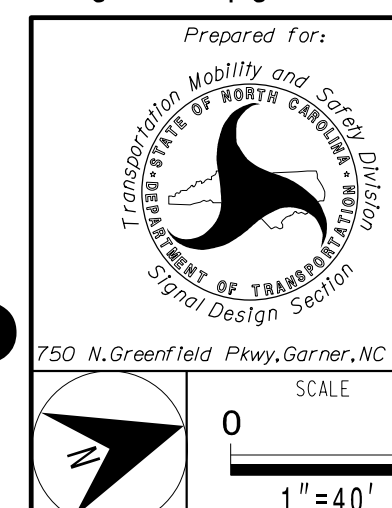
ASC/3 TIMING CHART

FEATURE	PHASE							
	1	2	3	4	5	6	7	8
Min Green *	7	12	7	7	7	12	7	7
Delayed Green *	0	7	0	0	0	7	0	7
Walk *	0	14	0	7	0	14	0	14
Ped Clear	0	13	0	23	0	18	0	31
Veh. Extension *	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Max 1 *	20	90	35	40	20	90	35	40
Yellow	3.0	4.9	3.0	4.7	3.0	4.9	3.0	4.7
Red Clear	2.8	1.3	3.3	2.5	2.4	1.3	3.4	2.5
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Actuations B4 Add *	-	-	-	-	-	-	-	-
Seconds /Actuation *	-	-	-	-	-	-	-	-
Max Initial *	-	-	-	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-	-	-	-
Time To Reduce *	-	-	-	-	-	-	-	-
Minimum Gap	-	-	-	-	-	-	-	-
Locking Detector	-	X	-	-	-	X	-	-
Recall Position	-	VEH. RECALL	-	-	-	VEH. RECALL	-	-
Dual Entry	-	-	-	-	-	-	-	-
Simultaneous Gap	X	X	X	X	X	X	X	X

* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

Microwave Detection			
FUNCTION	Sensor 1	Sensor 2	
Channel	1	1	
Phase	2	6	
Direction of Travel	NB	SB	
Type	Priority	Priority	
Level	2	QUEUE	2
Detection Zone (ft)	<750	-	<750
Range (ft)	600-100	150-100	600-100
Enable Speed	Y	Y	Y
Speed Range (mph)	35-100	1-35	35-100
Enable Estimated Time of Arrival	Y	N	Y
Estimated Time of Arrival (sec)	2.5-6.5	-	2.5-6.5

Signal Upgrade



US 13-NC 11-43-903 (Memorial Drive) /
US 13-NC 11-903 (Memorial Drive)
at NC 43 (West Fifth St.) /
SR 1571 (Martin Luther King Jr. Dr.)

Division 2 Pitt County Greenville

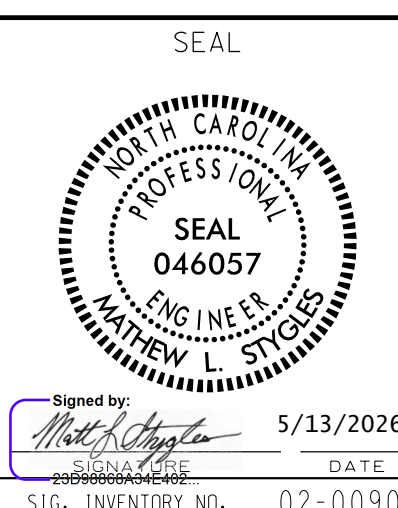
PLAN DATE: May 2026 REVIEWED BY: ML Stygles

PREPARED BY: DJ White RKA PROJ. NO.: 17144 (040)

REVISIONS

INIT. DATE

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED



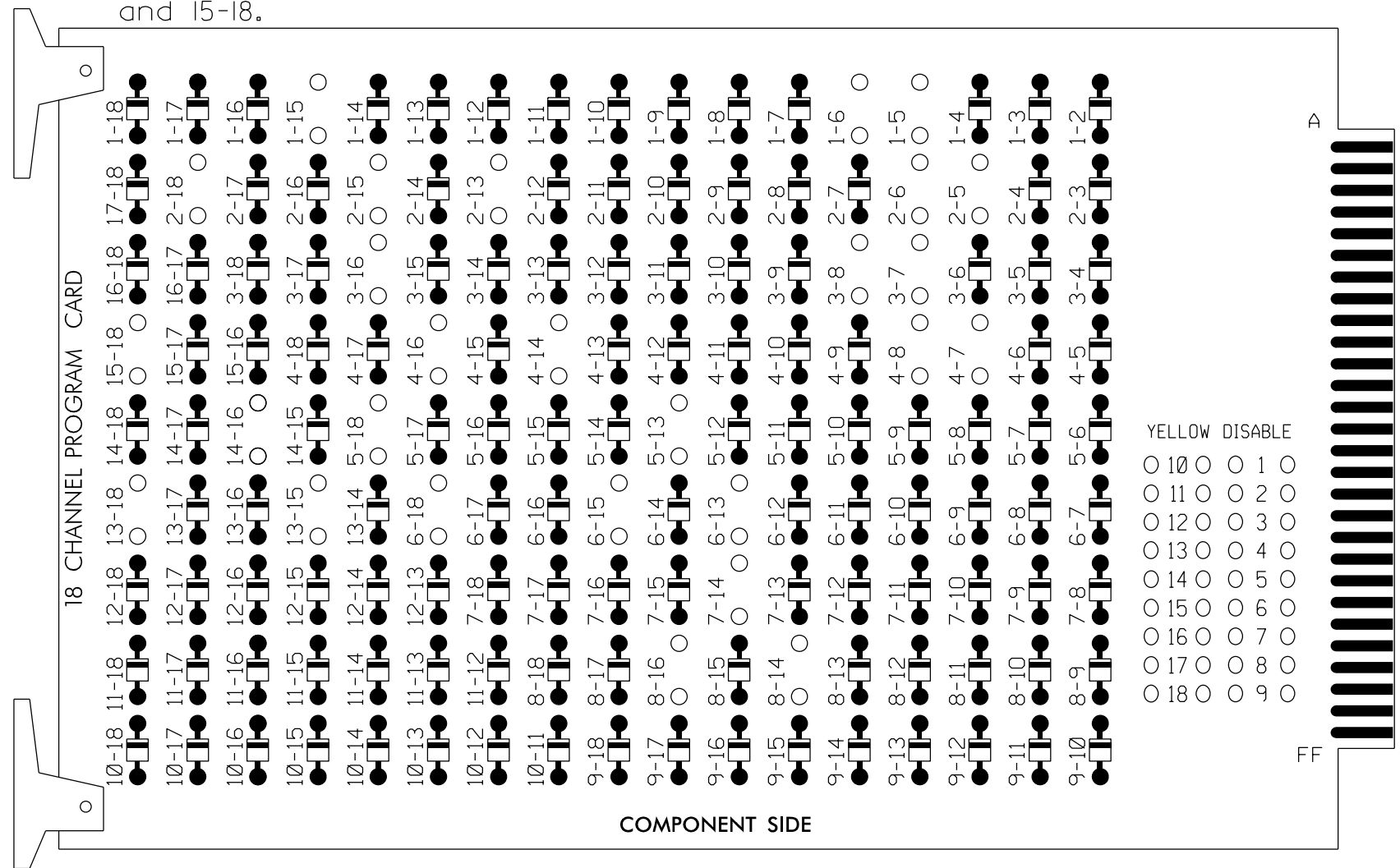
SIG. INVENTORY NO. 02-0090

5/12/2026
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User: Fernando.Vazquez

EDI MODEL 2018ECL-NC CONFLICT MONITOR
PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-5, 1-6, 1-15, 2-5, 2-6, 2-13, 2-15, 2-18, 3-7, 3-8, 3-16, 4-7, 4-8, 4-14, 4-16, 5-13, 5-18, 6-13, 6-15, 6-18, 7-14, 8-14, 8-16, 13-15, 13-18, 14-16 and 15-18.



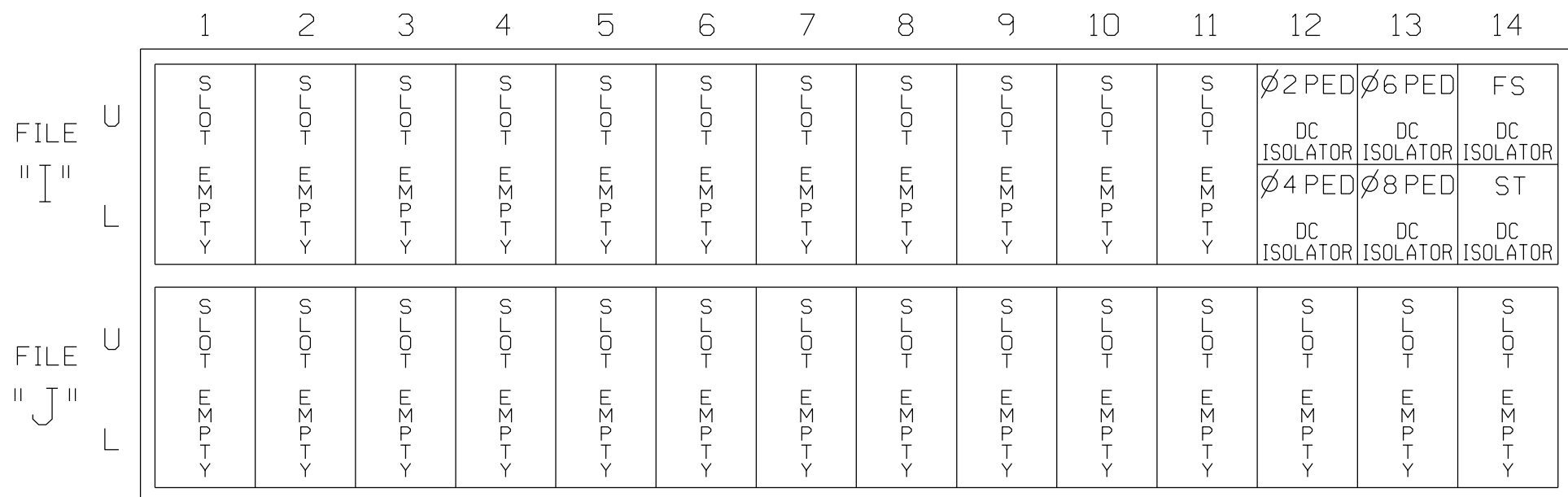
REMOVE JUMPERS AS SHOWN

NOTES:

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
- Ensure that Red Enable is active at all times during normal operation.
- Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.

INPUT FILE POSITION LAYOUT

(front view)



EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
ST = STOP TIME

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	DETECTOR NO.	NEMA PHASE	CALL	EXTEND TIME	DELAY TIME	ADDED INITIAL	DETECTOR TYPE
PED PUSH BUTTONS										
P21,P22	TB8-4,6	I12U	67	PED 2	2 PED					
P41,P42	TB8-5,6	I12L	69	PED 4	4 PED					
P61,P62	TB8-7,9	I13U	68	PED 6	6 PED					
P81,P82	TB8-8,9	I13L	70	PED 8	8 PED					

NOTE:
INSTALL DC ISOLATORS
IN INPUT FILE SLOTS
112 AND 113.

INPUT FILE POSITION LEGEND: J2L

FILE J
SLOT 2
LOWER

NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the Signal Plans.
- Program controller to start up in phase 2 Green and 6 Green.
- If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.
- The cabinet and controller are part of the Greenville City System.

EQUIPMENT INFORMATION

CONTROLLER.....2070E
CABINET.....332 W/AUX
SOFTWARE.....ECONOLITE ASC/3-2070
CABINET MOUNT.....BASE
OUTPUT FILE POSITIONS...18 WITH AUX. OUTPUT FILE
LOAD SWITCHES USED.....S1,S2,S3,S4,S5,S6,S7,S8,S9,S10,
S11,S12,AUX S6

PHASES USED.....1,2,3,4,5,6,7,8
OVERLAP "A".....NOT USED
OVERLAP "B".....NOT USED
OVERLAP "C".....NOT USED
OVERLAP "D".....NOT USED
OVERLAP "E".....NOT USED
OVERLAP "F".....*

* See overlap programming detail on sheet 2

PROJECT REFERENCE NO.	SHEET NO.
U-5730	Sig-2.1

SIGNAL HEAD HOOK-UP CHART

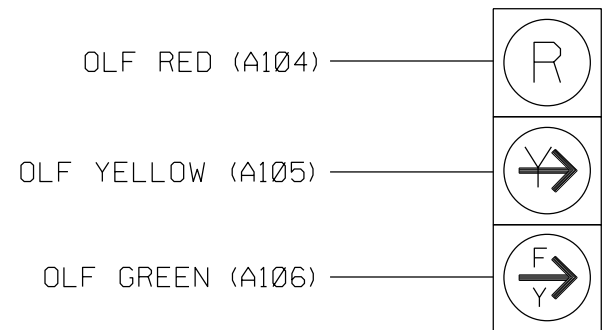
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OLA	OLB	SPARE	OLC	OLD	OLF
SIGNAL HEAD NO.	11	21,22	P21, P22	31	41,42	P41, P42	51	61,62, 63	P61, P62	71,72	81,82	P81, P82	NU	NU	NU	NU	NU	23
RED		128			101			134			107							A104
YELLOW		129			102			135			108							
GREEN		130			103			136			109							
RED ARROW	125			116			131			122								
YELLOW ARROW	126			117			132			123								A105
FLASHING YELLOW ARROW																		A106
GREEN ARROW	127			118			133			124								
			113			104			119			110						
			115			106			121			112						

NU = Not Used

★ See pictorial of head wiring in detail this sheet.

FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



23

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

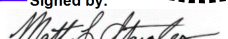
Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

SPECIAL DETECTOR NOTE

Install a multizone microwave detection system for vehicle detection. Perform installation according to manufacturer's directions and NCDOT engineer-approved mounting locations to accomplish the detection schemes shown on the Signal Design Plans.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 02-0090
DESIGNED: May 2026
SEALED: 5/13/2026
REVISED:

Electrical Detail - Sheet 1 of 2

ELECTRICAL AND PROGRAMMING DETAILS FOR:		US 13-NC 11-43-903 (Memorial Drive) / US 13-NC 11-903 (Memorial Drive) at NC 43 (West Fifth St.) / SR 1571 (Martin Luther King Jr. Dr.)		SEAL	
Prepared for the Offices of:		Division 2 Pitt County Greenville			
		PLAN DATE: May 2026 REVIEWED BY: ML Stygles			
		PREPARED BY: DJ White REVIEWED BY: 17144 (040)			
		REVISIONS INIT. DATE			
750 N.Greenfield Pkwy, Garner, NC 27529				Signed by:  5/13/2026	
				72008866534E402 DATE	
				SIC. INVENTORY NO. 02-0090	

ASC/3 FLASH SENSE INPUT CONTROL FOR RED-RED FLASH

*The NCDOT default database is programmed to address Yellow-Red flash.
Logic Statement 100 must be modified as shown when running Red-Red flash.

1. From Main Menu select 1. CONFIGURATION
2. From CONFIGURATION Submenu select 8. LOGIC PROCESSOR
3. From LOGIC PROCESSOR Submenu select 2. LOGIC STATEMENTS

Change the "LP" to 100 and move the cursor down. Delete the two "CTR-SET" statements by moving the cursor over them and hitting the "C" key. then hit "ENTER", select "LP SET CIB ON", hit "ENT", and then set the number to 427.

```

LP#:100 COPY FROM:100 ACTIVE: M FALSE
IF LP CIB CODE ON 331 F

THEN LP DELAY FOR 1.0 SECONDS
LP SET CIB ON 427

```

ELSE

THIS STATEMENT IS USED
TO CONTROL THE FLASH
SENSE INPUT WHEN RUNNING
RED-RED FLASH OPERATION.

Hit "ESC", then 1 for "LOGIC STATEMENT CONTROL", next verify that LP#100 is ENABLED.

END PROGRAMMING

ECONOLITE ASC/3-2070 OVERLAP PROGRAMMING DETAIL
(program controller as shown)

1. From Main Menu select 2. CONTROLLER
2. From CONTROLLER Submenu select 2. VEHICLE OVERLAPS

OVERLAP F

Select TMG VEH OVLP [F] and 'OTHER/ECONOLITE'

[illegible]

LAG GRN 0.0 YEL 0.0 RED 0.0 ADV GRN 0.0

END PROGRAMMING

ECONOLITE ASC/3-2070 STARTUP AND SOFTWARE FLASH PROGRAMMING DETAIL

(program controller as shown)

1. From Main Menu select **2. CONTROLLER**
2. From CONTROLLER Submenu select **5. START/FLASH**

START/FLASH DATA																	
-----START UP-----																	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	
PHASE	G					G											
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
OVERLAP	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
FLASH>MON.	NO FL TIME...										0 ALL RED...		6				
PWR START SEQ...	1 MUTCD>					NO					Y-		G: NO				

Scroll down on this screen and set "Exit Fl" to Green "G"

NOTE: Do not use programmed (controller) flash when MUTCD is set to "NO".

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 02-0090
DESIGNED: May 2026
SEALED: 5/13/2026
REVISED:

**DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED**

SEAL

US 13-NC 11-43-903 (Memorial Drive) /	
US 13-NC 11-903 (Memorial Drive)	
at NC 43 (West Fifth St.) /	
SR 1571 (Martin Luther King Jr. Dr.)	

Division 2 Pitt County Greenville

PLAN DATE: May 2026	REVIEWED BY: ML Stygles
---------------------	-------------------------

PREPARED BY: DJ White	REVIEWED BY: 17144 (040)
-----------------------	--------------------------

REVISIONS	INIT.	DATE

[illegible][illegible]

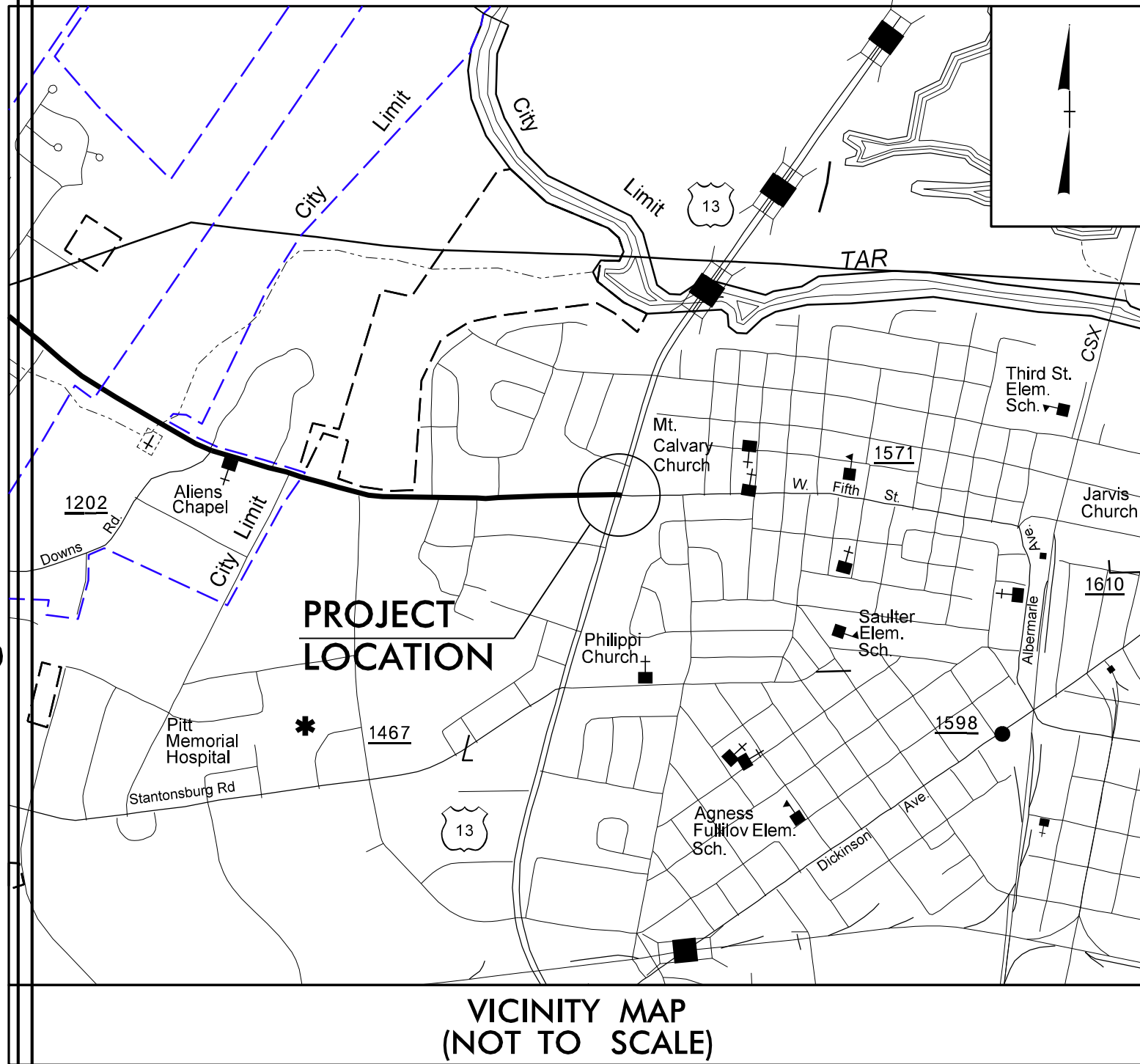
Signed by: _____

Matt Hughes 5/13/2026
DATE

SIG. INVENTORY NO. 02-0090

23-APR-2026 09:36
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\$\$\$\$\$USERNAME\$\$\$\$\$

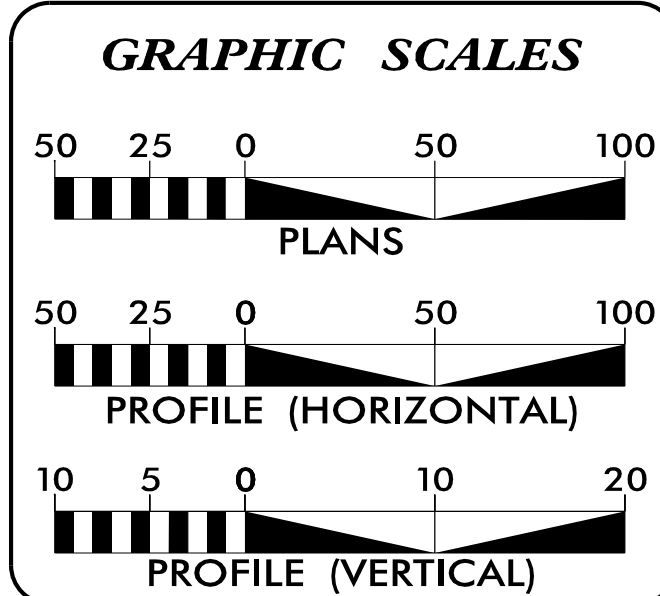
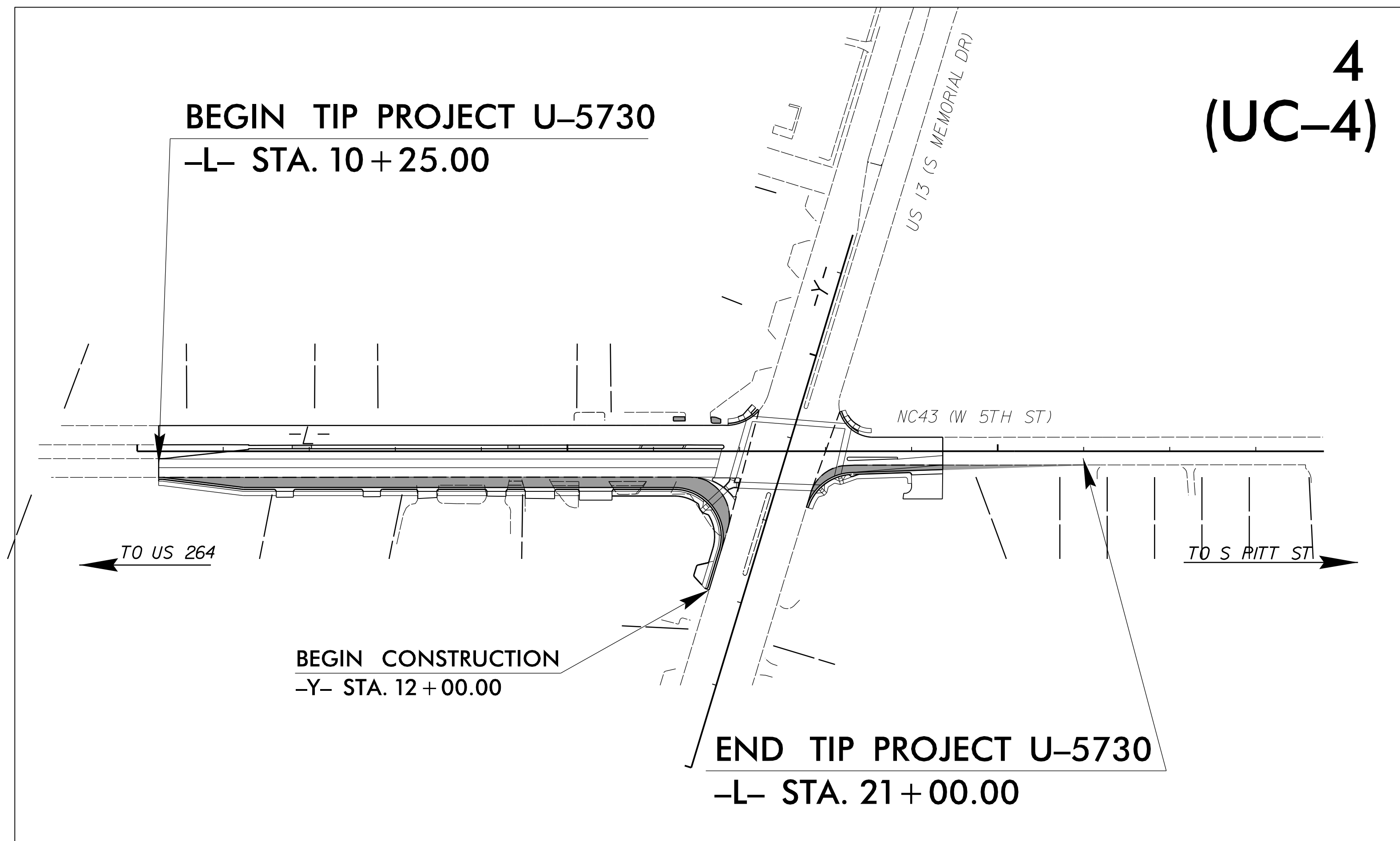
TIP PROJECT: U-5730



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

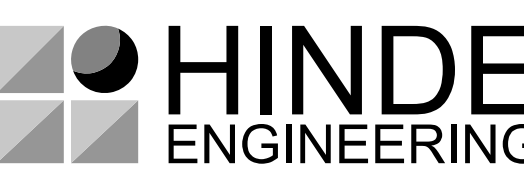
UTILITY CONSTRUCTION PLANS
PITT COUNTY

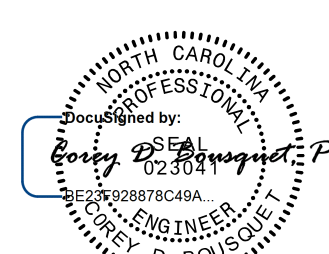
LOCATION: INTERSECTION AT US-13 AND NC 43
TYPE OF WORK: WATER & SEWER RELOCATIONS



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2	UTILITY SYMBOLOGY
UC-3	NOTES
UC-3A THRU UC-3B	DETAILS
UC-4	UTILITY CONSTRUCTION SHEET
UC-5 THRU UC-7	PROFILE SHEETS

WATER AND SEWER OWNERS ON PROJECT	
(A) GREENVILLE UTILITIES COMMISSION (GUC)	
WATER AND SEWER LINES	

PREPARED IN THE OFFICE OF:	
 HINDE ENGINEERING License No. C-2639 401 Harrison Oaks Blvd., Suite 210 Cary, NC 27513 Ph. (919) 653-0001	
Clint L. Stevens, P.E.	UTILITIES PROJECT MANAGER
Corey Bousquet, P.E.	UTILITIES PROJECT ENGINEER
Nathan Arnold	UTILITIES PROJECT DESIGNER

SEAL
 4/23/2026

DIVISION OF HIGHWAYS	
DIVISION 2 2815 ROUSE ROAD EXTENSION KINSTON, NC 28504 PHONE (252) 775-6100 FAX (252) 208-7862	
Heather Lane, P.E.	DIVISION PROJECT DEV. ENG.
Michael Aman, P.E.	PROJECT TEAM LEAD
Catherine Hossack Meyer, P.E.	PROJECT ENGINEER
David Kramer	DIVISION UTILITY ENGINEER

GENERAL NOTES:

1. THE PROPOSED UTILITY CONSTRUCTION SHALL MEET THE APPLICABLE REQUIREMENTS OF THE NC DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2024 AND THE GUC MANUAL FOR DESIGN AND CONSTRUCTION OF WATER AND WASTEWATER SYSTEM EXTENSIONS.

2. THE EXISTING UTILITIES BELONG TO GREENVILLE UTILITIES COMMISSION (GUC) THE CONTACT PERSON FOR GUC IS TRAVIS WELBORN, PE AND HE CAN BE REACHED AT (252) 558-4421.

3. ALL WATER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER RESOURCES, PUBLIC WATER SUPPLY SECTION. ALL SEWER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT QUALITY, DIVISION OF WATER RESOURCES, WATER QUALITY SECTION. PERFORM ALL WORK IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODES.

4. THE UTILITY OWNER OWNS THE EXISTING UTILITY FACILITIES AND WILL OWN THE NEW UTILITY FACILITIES AFTER ACCEPTANCE BY THE DEPARTMENT. THE DEPARTMENT OWNS THE CONSTRUCTION CONTRACT AND HAS ADMINISTRATIVE AUTHORITY. COMMUNICATIONS AND DECISIONS BETWEEN THE CONTRACTOR AND UTILITY OWNER ARE NOT BINDING UPON THE DEPARTMENT OR THIS CONTRACT UNLESS AUTHORIZED BY THE ENGINEER. AGREEMENTS BETWEEN THE UTILITY OWNER AND CONTRACTOR FOR THE WORK THAT IS NOT PART OF THIS CONTRACT OR IS SECONDARY TO THIS CONTRACT ARE ALLOWED, BUT ARE NOT BINDING UPON THE DEPARTMENT.

5. PROVIDE ACCESS FOR THE DEPARTMENT PERSONNEL AND THE OWNER'S REPRESENTATIVES TO ALL PHASES OF CONSTRUCTION. NOTIFY DEPARTMENT PERSONNEL AND THE UTILITY OWNER TWO WEEKS PRIOR TO COMMENCEMENT OF ANY WORK AND ONE WEEK PRIOR TO SERVICE INTERRUPTION. KEEP UTILITY OWNERS' REPRESENTATIVES INFORMED OF WORK PROGRESS AND PROVIDE OPPORTUNITY FOR INSPECTION OF CONSTRUCTION AND TESTING.

6. THE PLANS DEPICT THE BEST AVAILABLE INFORMATION FOR THE LOCATION, SIZE, AND TYPE OF MATERIAL FOR ALL EXISTING UTILITIES. MAKE INVESTIGATIONS FOR DETERMINING THE EXACT LOCATION, SIZE, AND TYPE MATERIAL OF THE EXISTING FACILITIES AS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED UTILITIES AND FOR AVOIDING DAMAGE TO EXISTING FACILITIES. REPAIR ANY DAMAGE INCURRED TO EXISTING FACILITIES TO THE ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE DEPARTMENT.

7. MAKE FINAL CONNECTIONS OF THE NEW WORK TO THE EXISTING SYSTEM WHERE INDICATED ON THE PLANS, AS REQUIRED TO FIT THE ACTUAL CONDITIONS, OR AS DIRECTED.

8. MAKE CONNECTIONS BETWEEN EXISTING AND PROPOSED UTILITIES AT TIMES MOST CONVENIENT TO THE PUBLIC, WITHOUT ENDANGERING THE UTILITY SERVICE, AND IN ACCORDANCE WITH THE UTILITY OWNER'S REQUIREMENTS. MAKE CONNECTIONS ON WEEKENDS, AT NIGHT, AND ON HOLIDAYS IF NECESSARY.

9. ALL UTILITY MATERIALS SHALL BE APPROVED PRIOR TO DELIVERY TO THE PROJECT. SEE 1500-7, " SUBMITTALS AND RECORDS" IN SECTION 1500 OF THE STANDARD SPECIFICATIONS.

10. ALL DIP SANITARY SEWER PIPE SHALL BE PROTECTO 401 (P401) CERAMIC EPOXY LINED.

11. THE CONTRACTOR SHALL SUBMIT THE BYPASS PUMPING PLANS REQUIRED TO INSTALL THE PROPOSED SEWER LINES TO GREENVILLE UTILITIES COMMISSION TO REVIEW AND APPROVE. ALL MATERIALS, EQUIPMENT, LABOR, POWER AND MAINTENANCE, ETC. TO INSTALL AND OPERATE THE BYPASS PUMPING SYSTEM FOR THE PURPOSE OF DIVERTING THE EXISTING SEWER FLOW AROUND THE WORK AREA IS CONSIDERED INCIDENTAL TO THE SANITARY GRAVITY SEWER PAY ITEMS.

12. THE CONTRACTOR WILL BE REQUIRED TO NOTIFY GREENVILLE UTLILTIES COMMISSION 7 DAYS PRIOR TO DIGGING DOWN ON THE 8" STEEL GAS LINE CROSSING THE BORE PIT FOR THE 12" STEEL ENCASEMENT. GREENVILLE UTILITIES COMMISSION WILL INSPECT THE GAS LINE ONCE EXPOSED AND PRIOR TO THE BACK FILL BEING PLACED TO ENSURE THAT THE GAS LINE AND THE PIPE COATING ARE NOT DAMAGED.

UTILITY CONSTRUCTION



HINDE

ENGINEERING

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401 Harrison Oaks Blvd., Suite 210 Cary, NC 27513

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UNLESS ALL SIGNATURES COMPLETED

PROJECT REFERENCE NO.		SHEET NO.	
U-5730		UC-3	
DESIGNED BY:	CDB	DESIGNED BY: JNA CHECKED BY: CLS APPROVED BY: CDB REVISED: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151 UTILITY CONSTRUCTION PLANS ONLY	
DRAWN BY:	JNA		
CHECKED BY:	CLS		
APPROVED BY:	CDB		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151			

UTILITY CONSTRUCTION

LIST OF STANDARD DRAWINGS

- 1515.01 WATER METER
- 1520.01 SEWER CLEAN OUT

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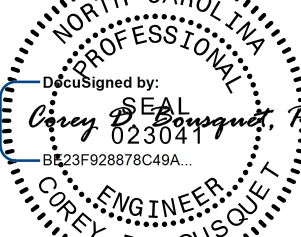
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PROJECT TYPICAL DETAILS

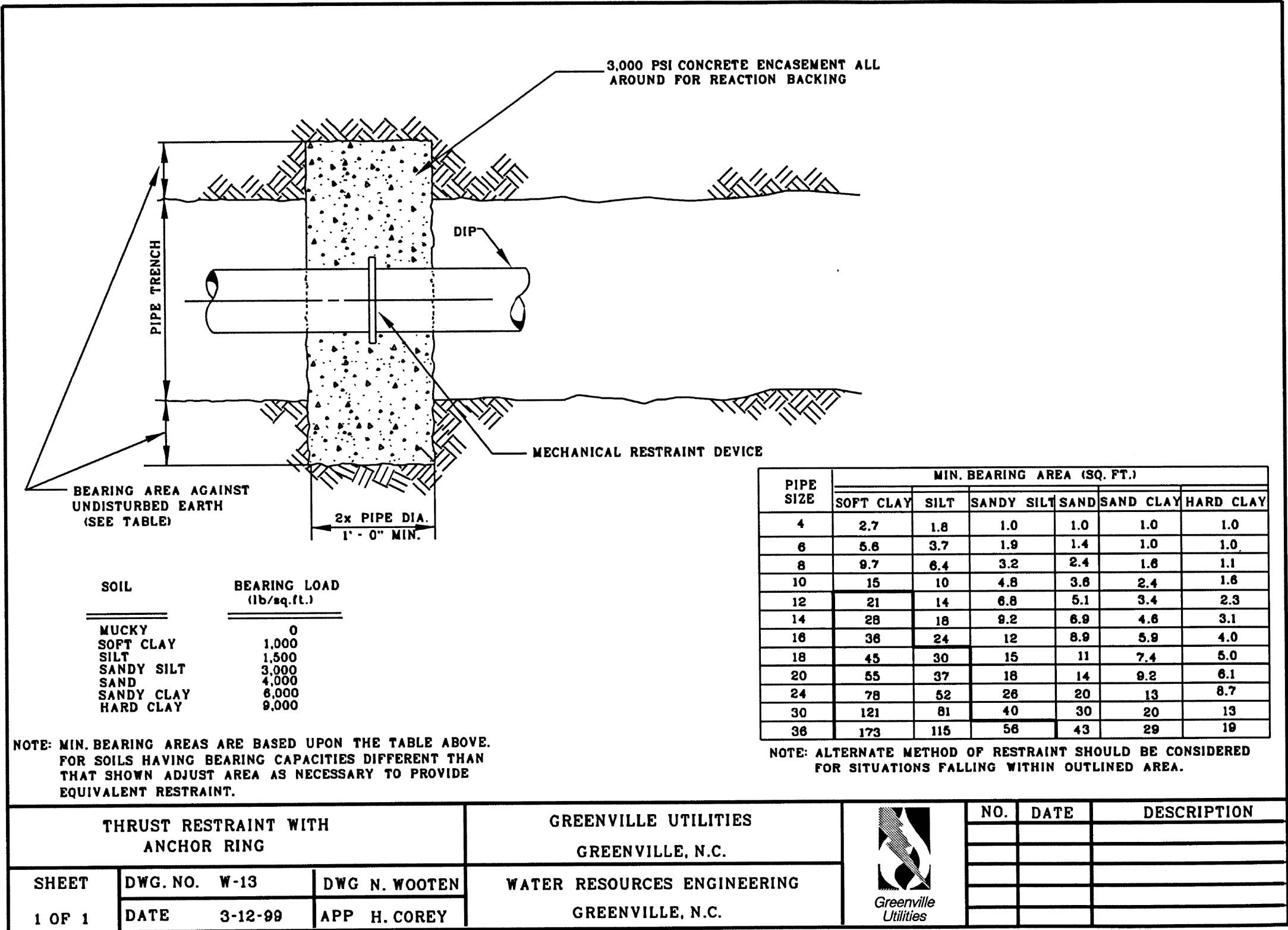
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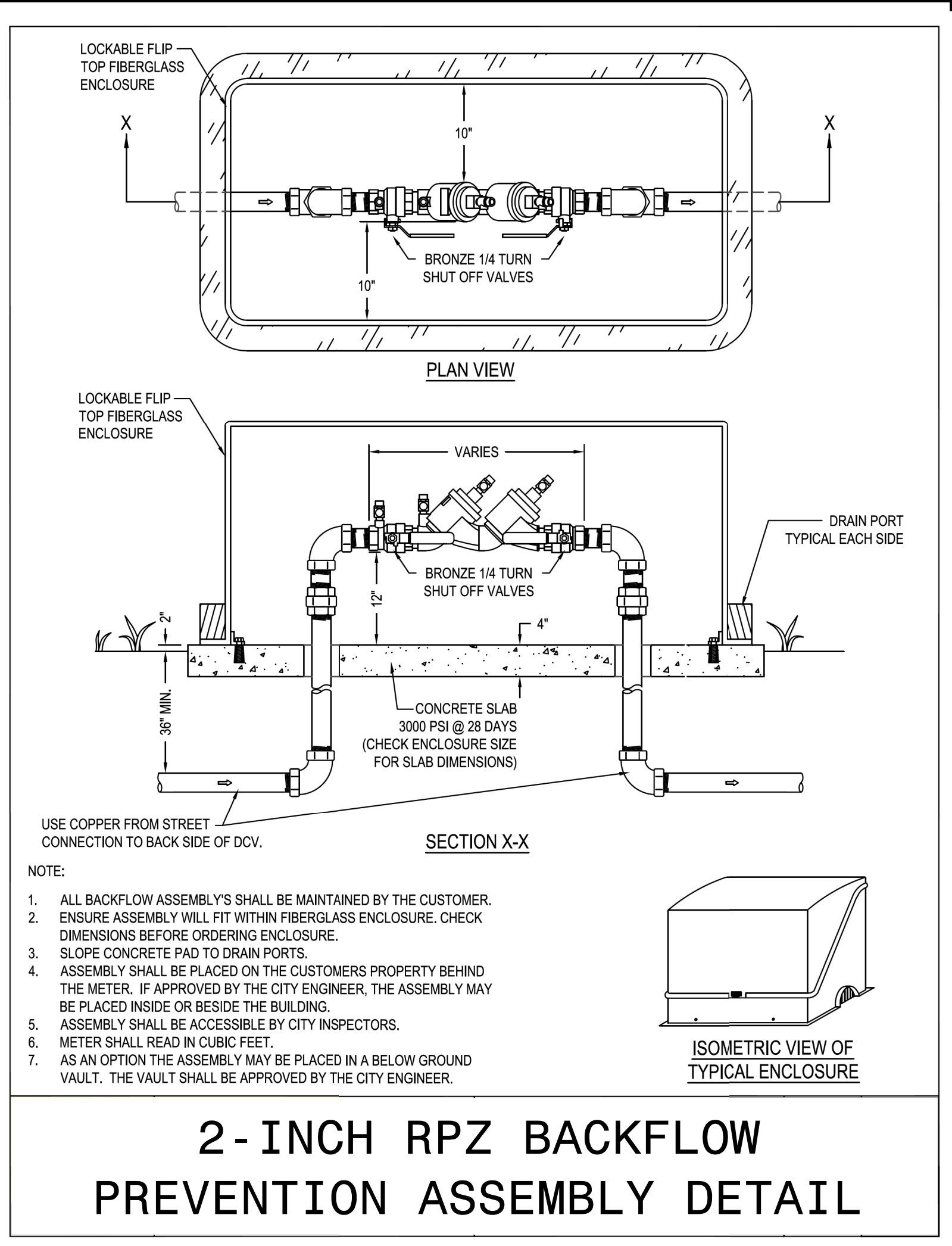
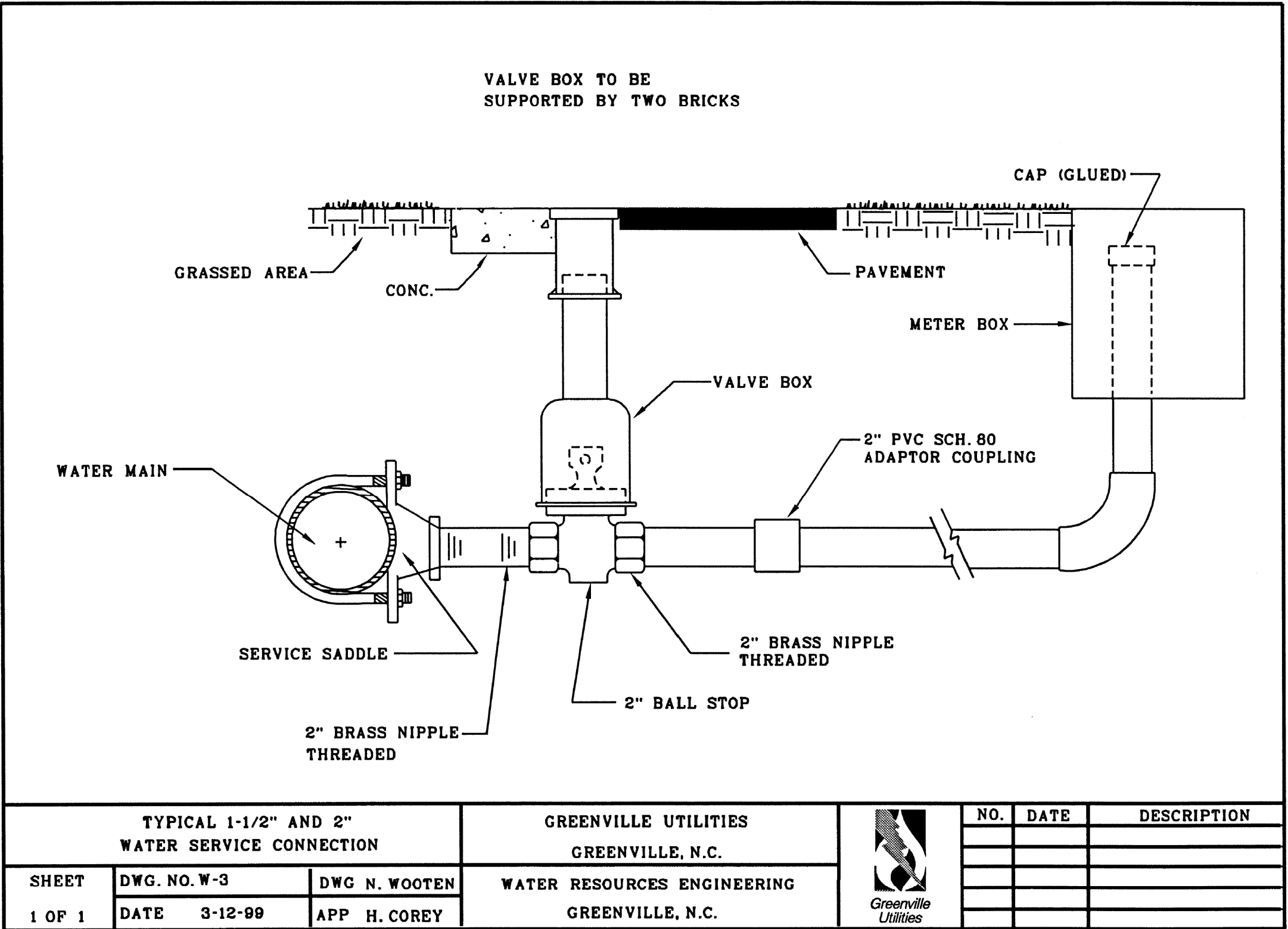
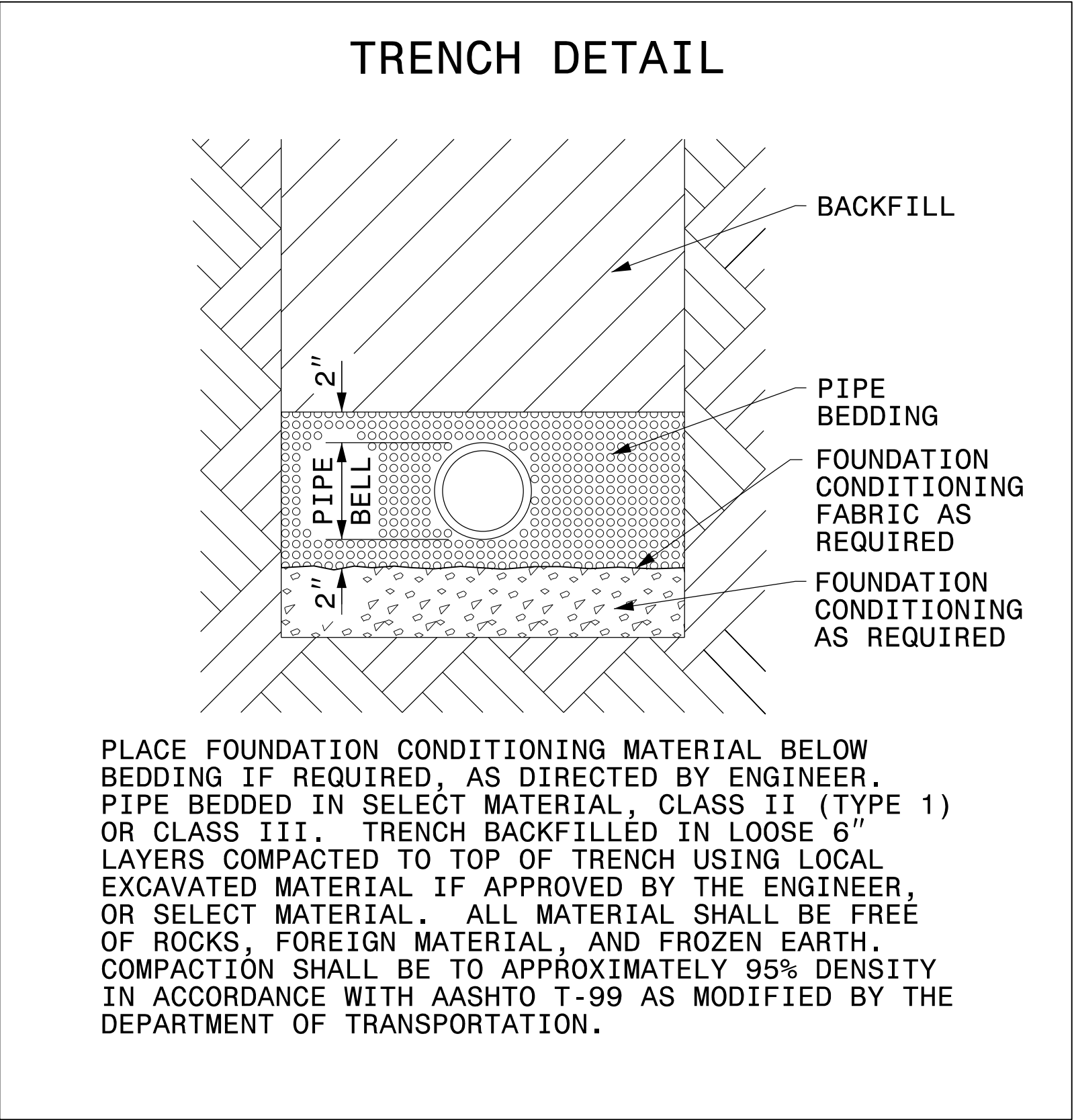
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DRAWN BY: JNA			
CHECKED BY: CLS			
APPROVED BY: CDB			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY	
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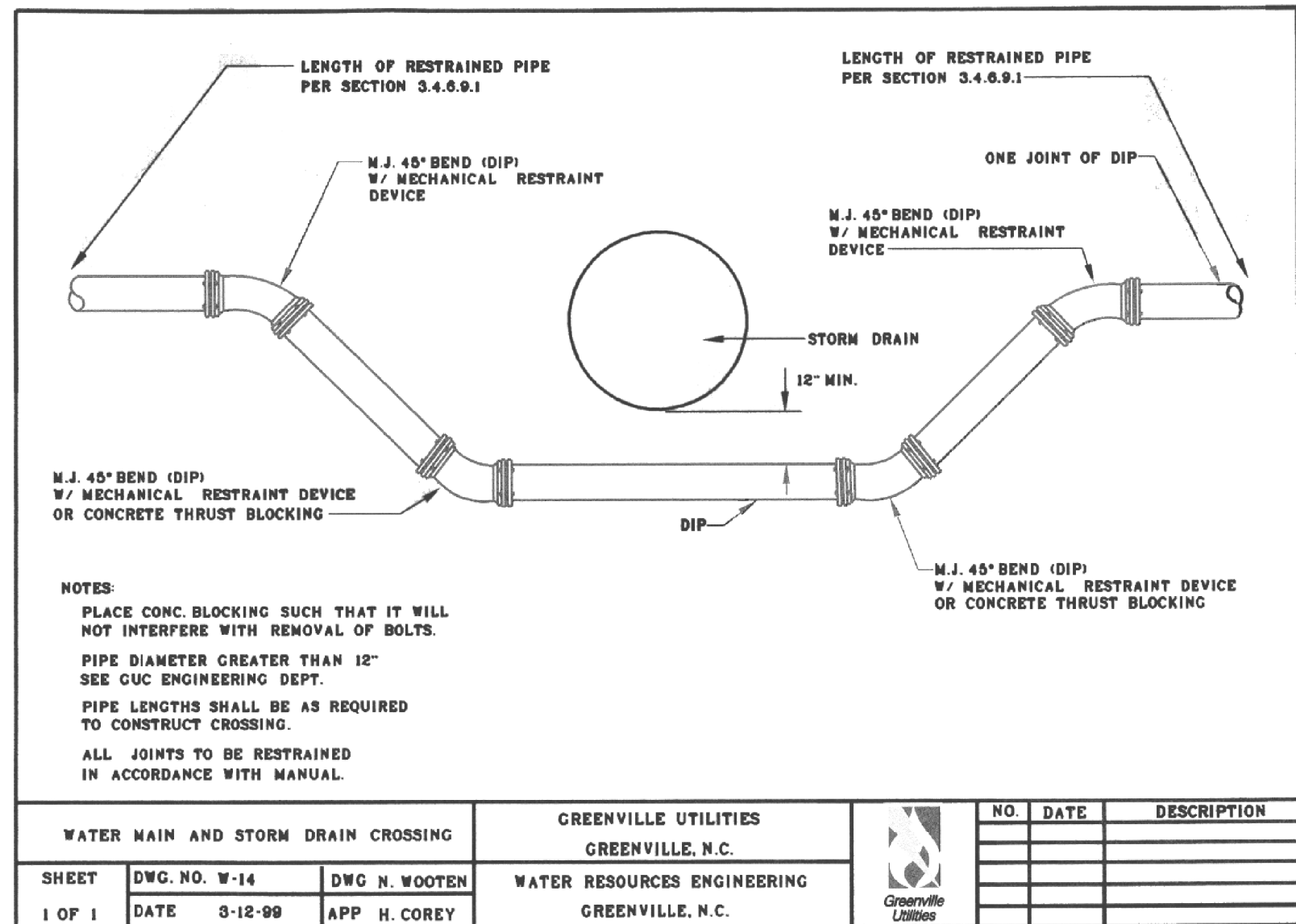
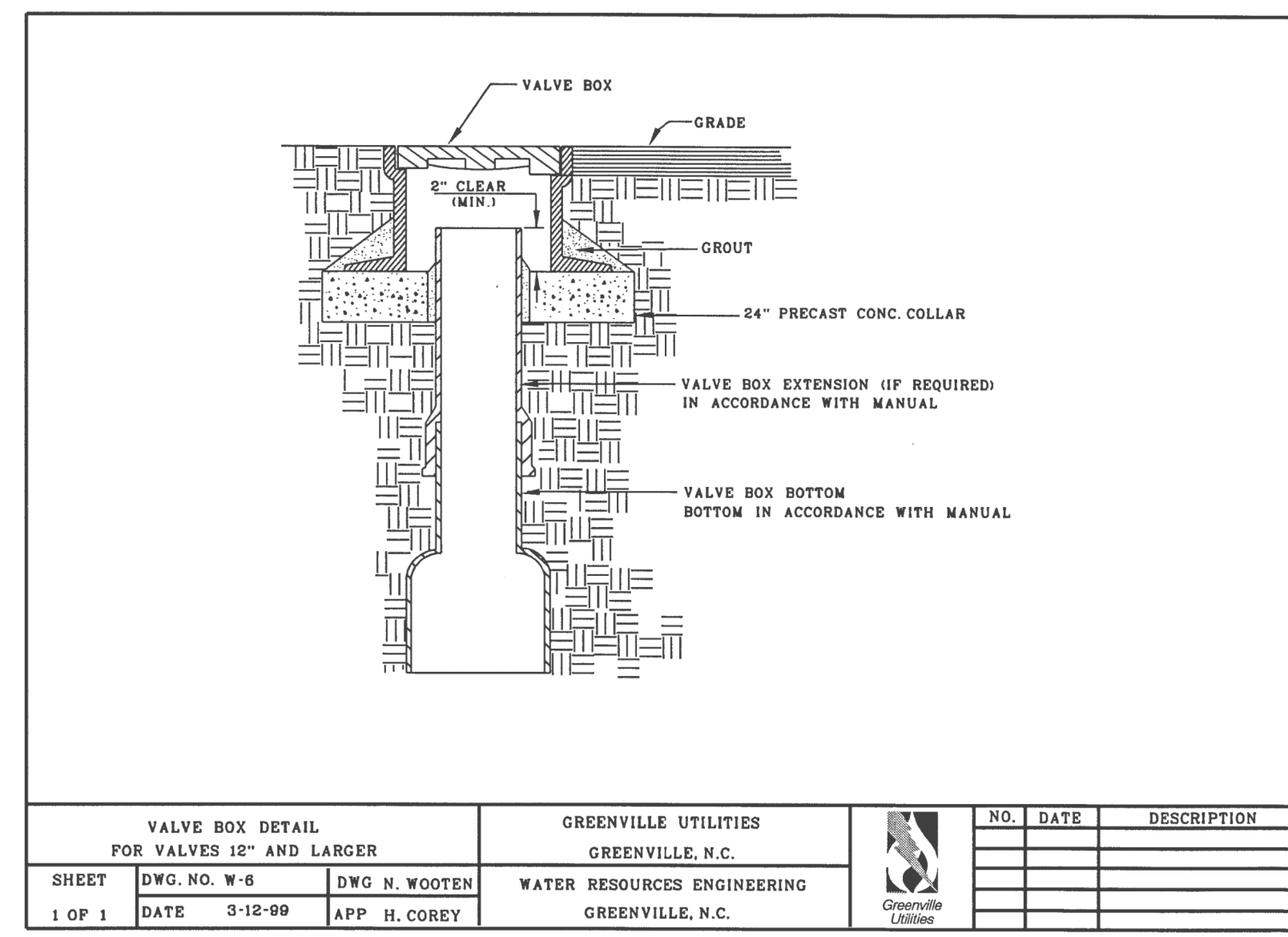
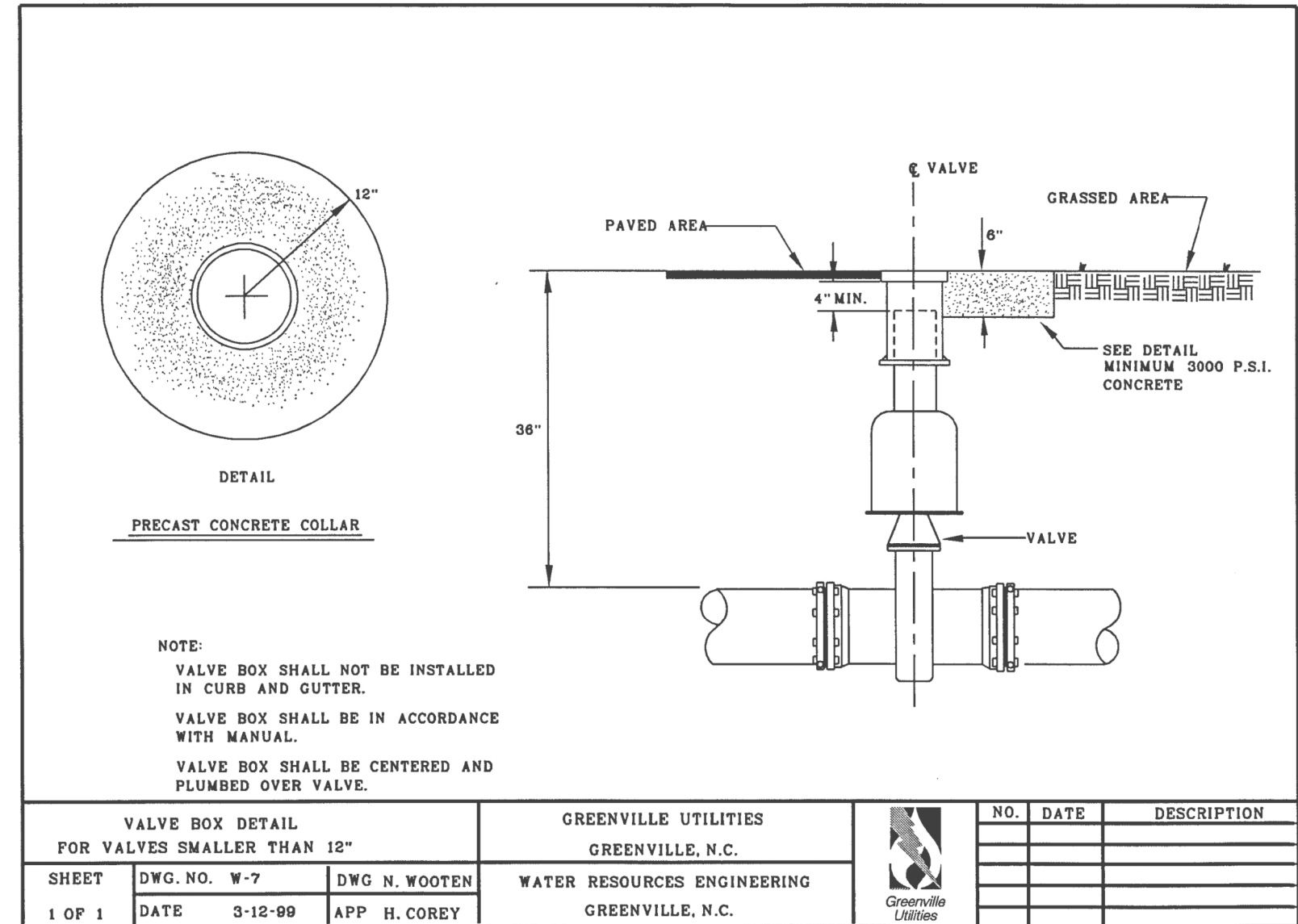
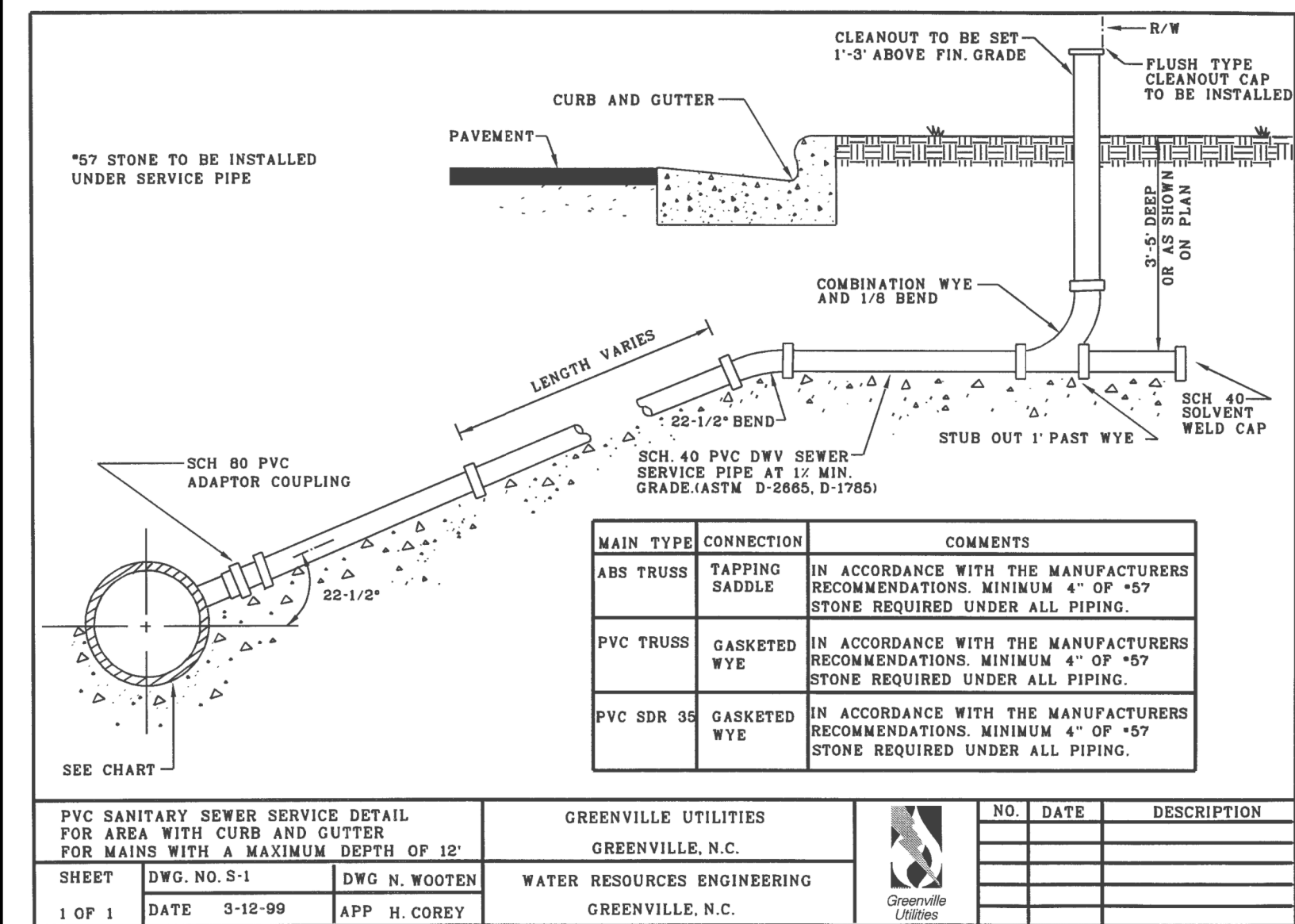
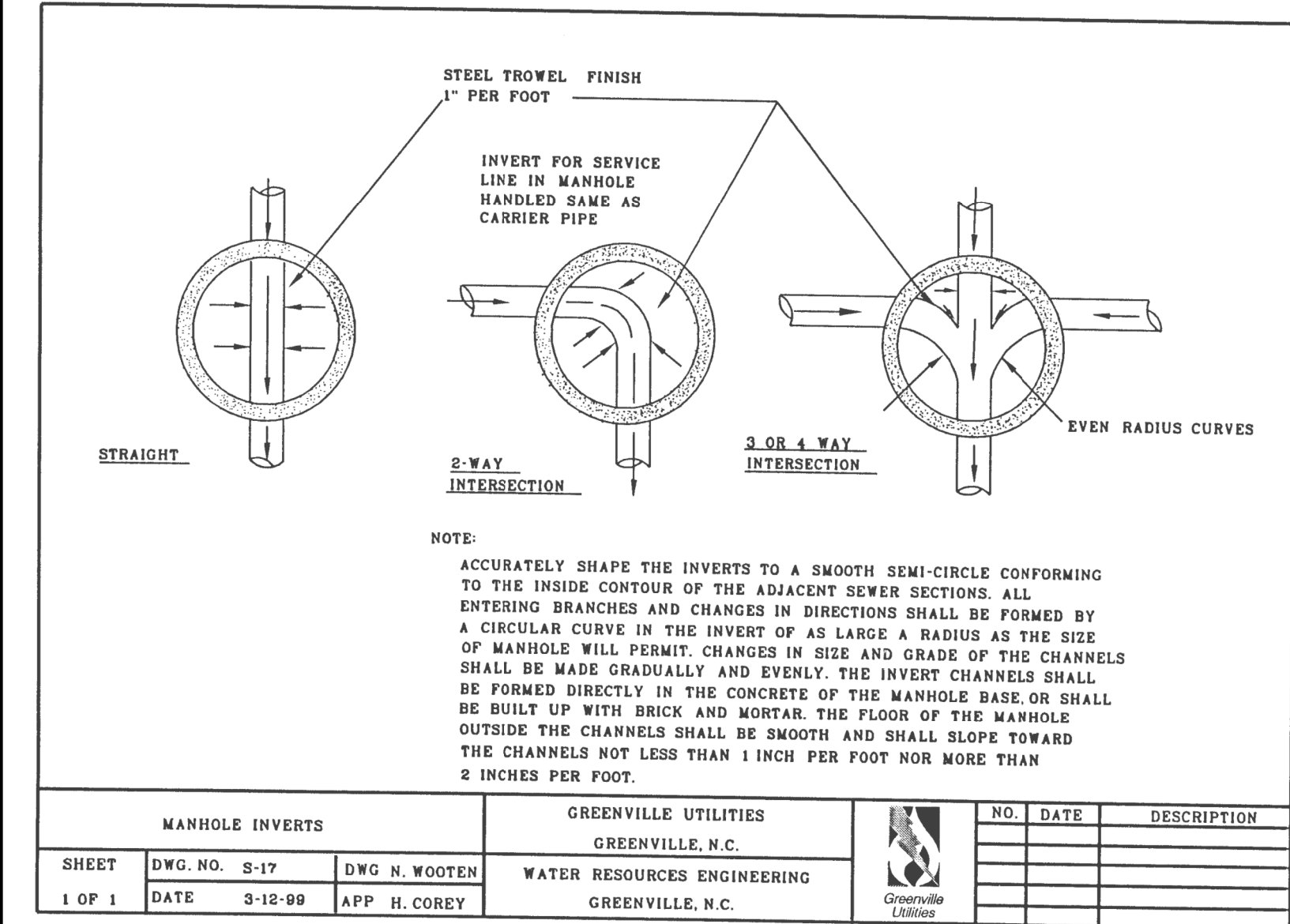
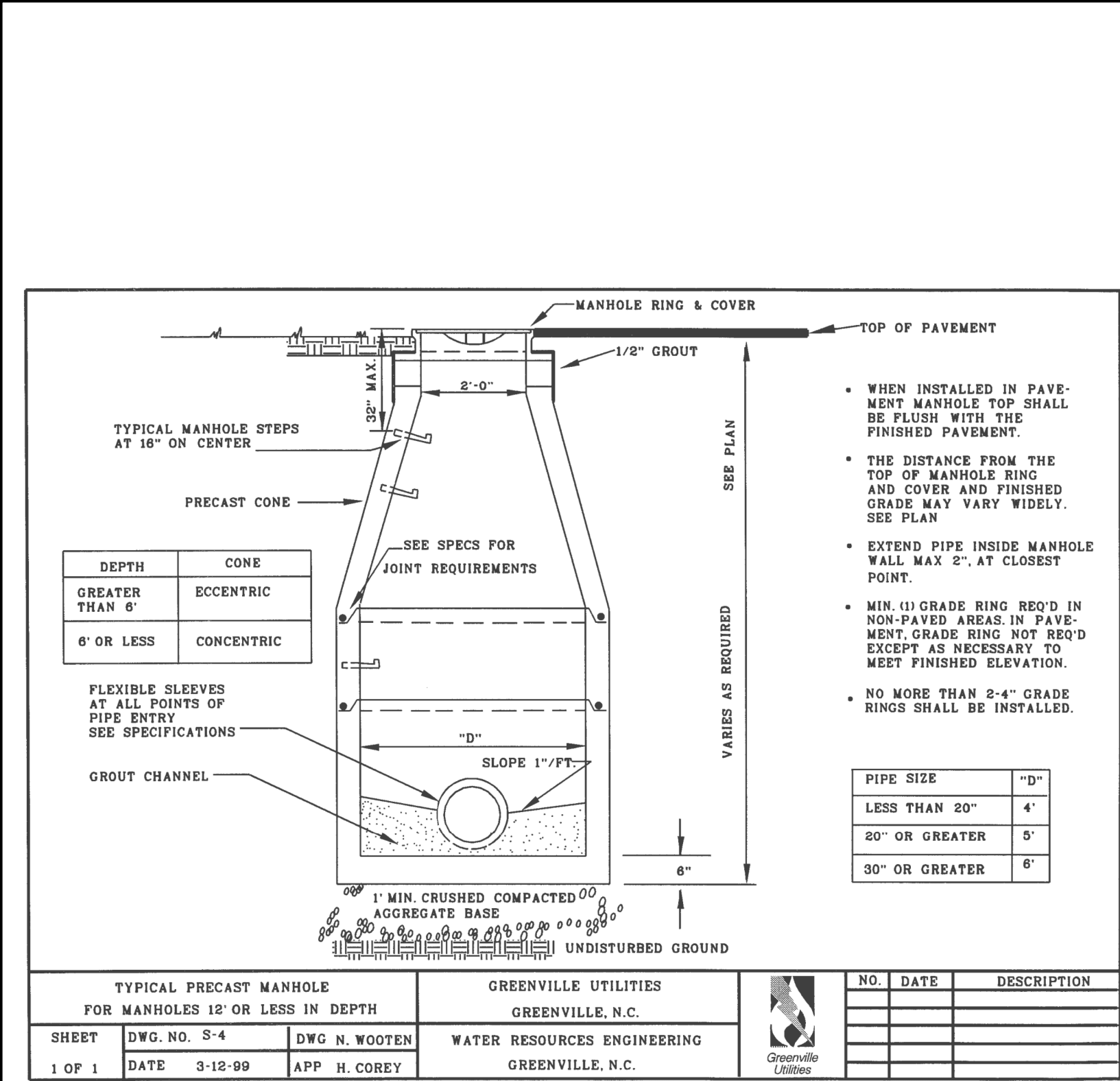
UTILITY CONSTRUCTION



MAXIMUM TRENCH WIDTH AT TOP OF PIPE			
NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)	NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)
4	28	20	44
6	30	24	48
8	32	30	54
10	34	36	60
12	36	42	66
14	38	48	72
16	40	54	78
18	42		



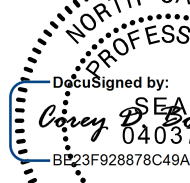
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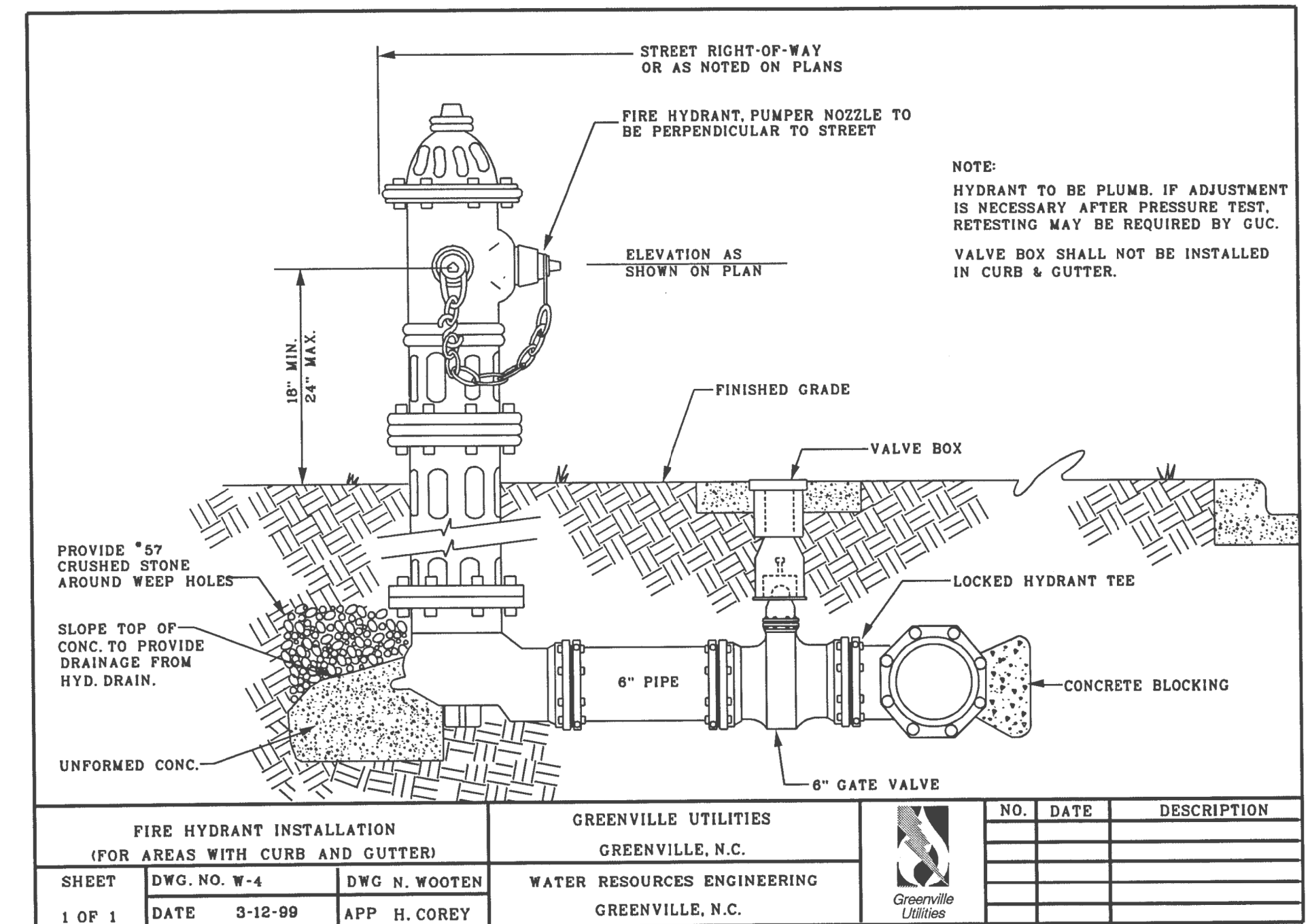
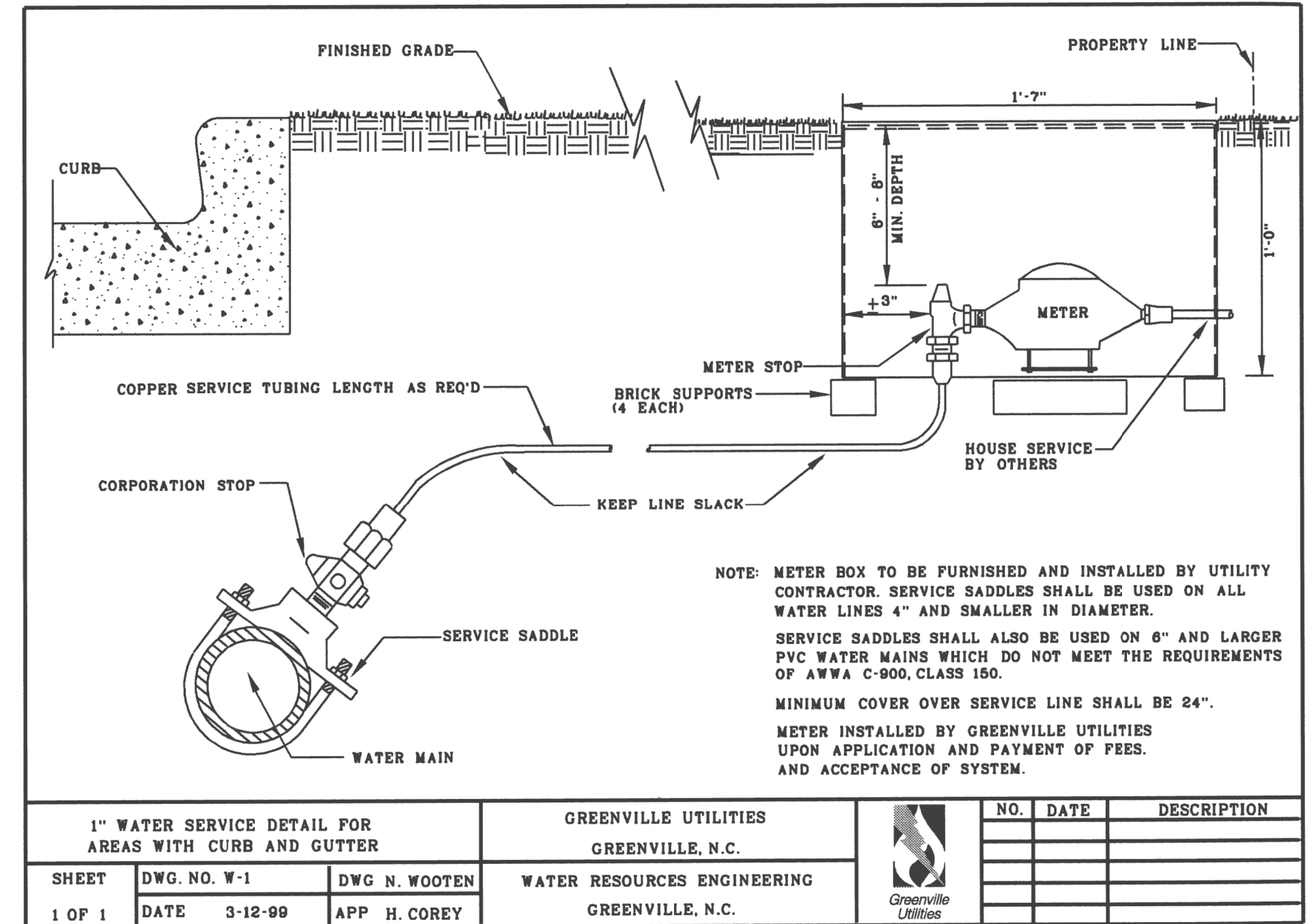
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DRAWN BY:	RBW	
CHECKED BY:	CLS	
APPROVED BY:	RBW	
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		4/23/2026 UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION



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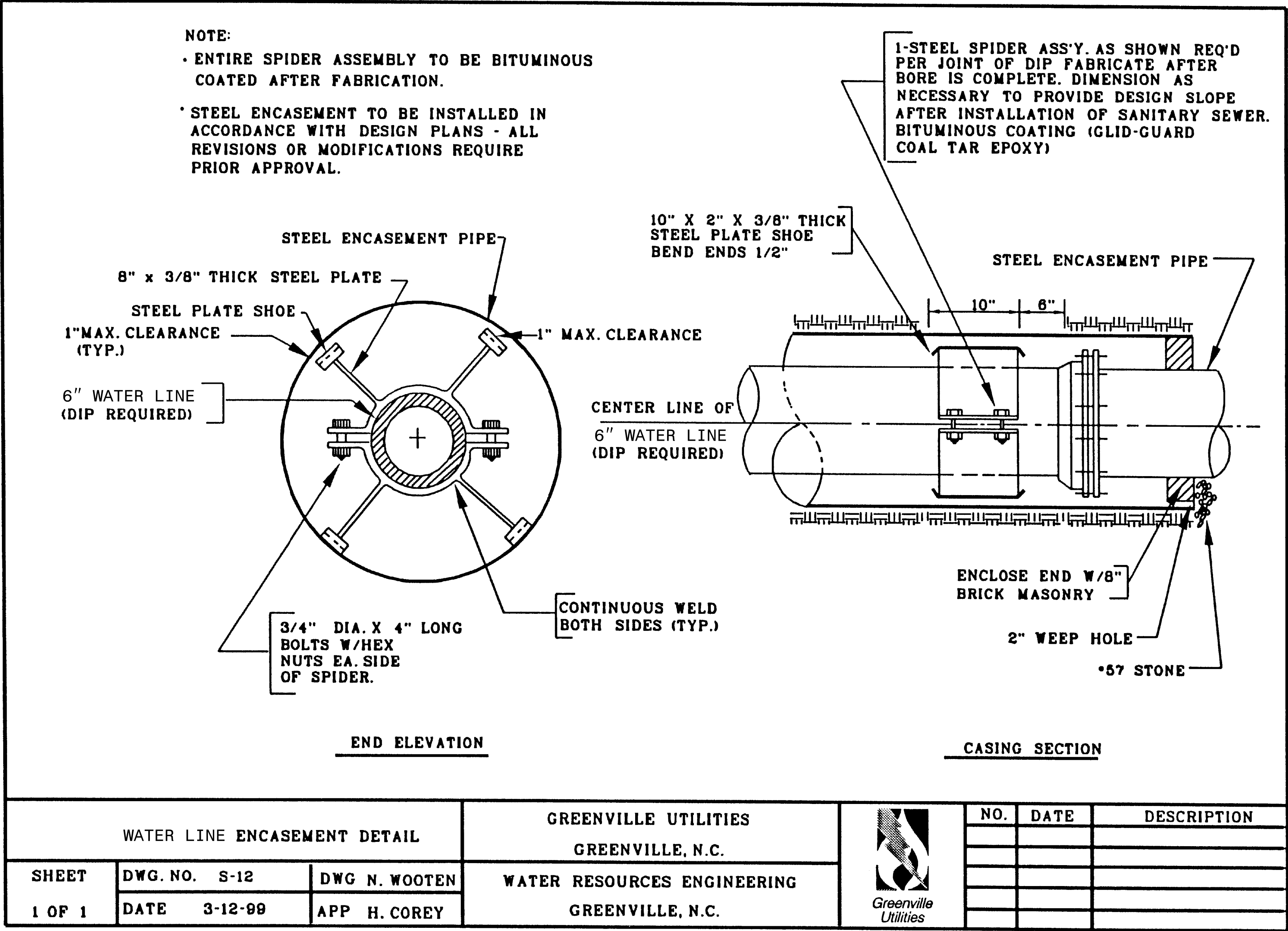


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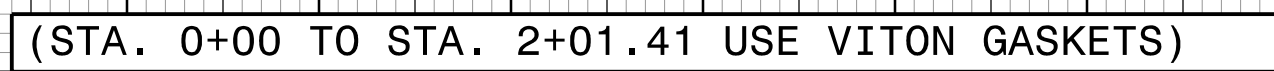
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CHECKED BY: CLS		
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UTILITY CONSTRUCTION



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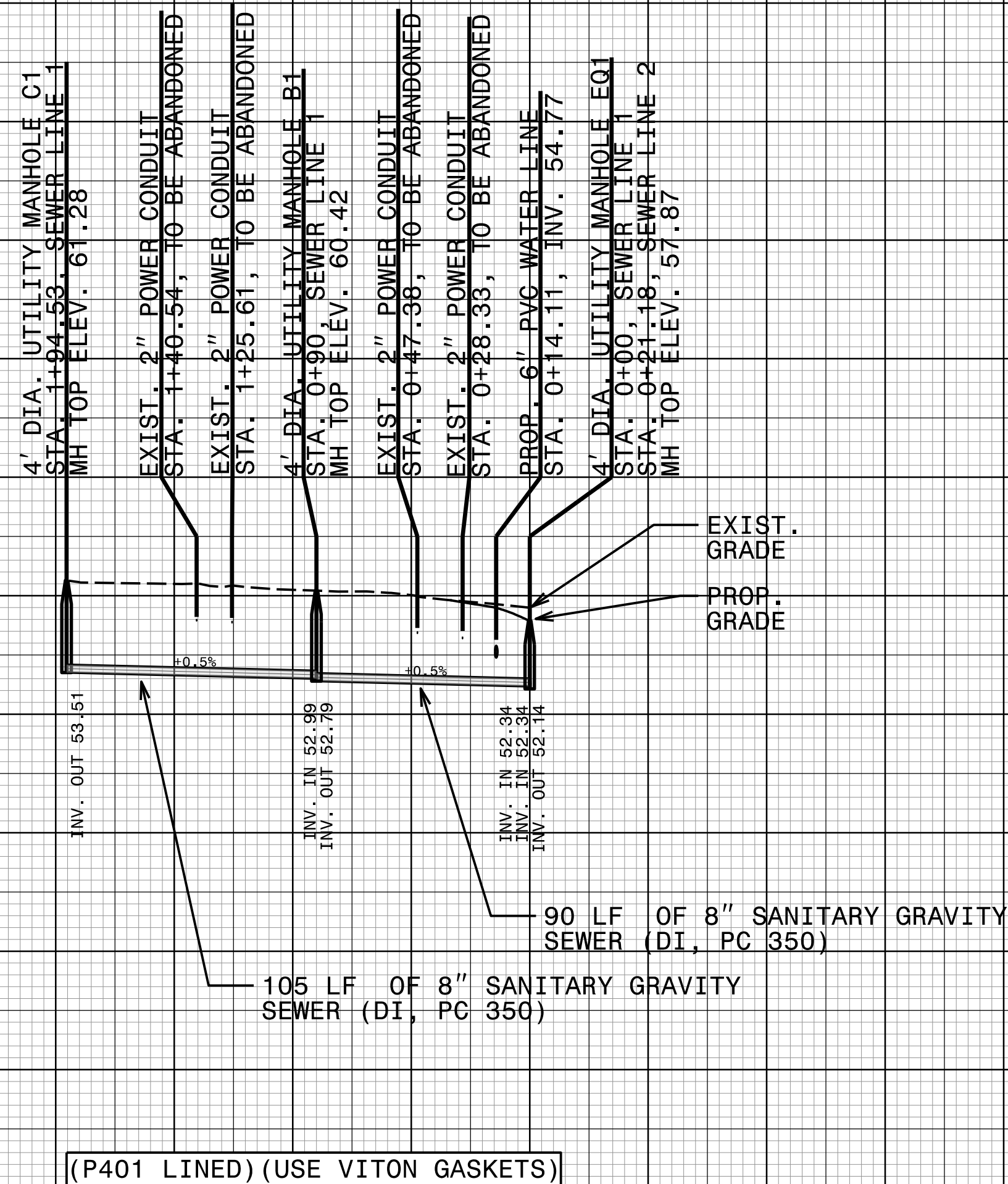


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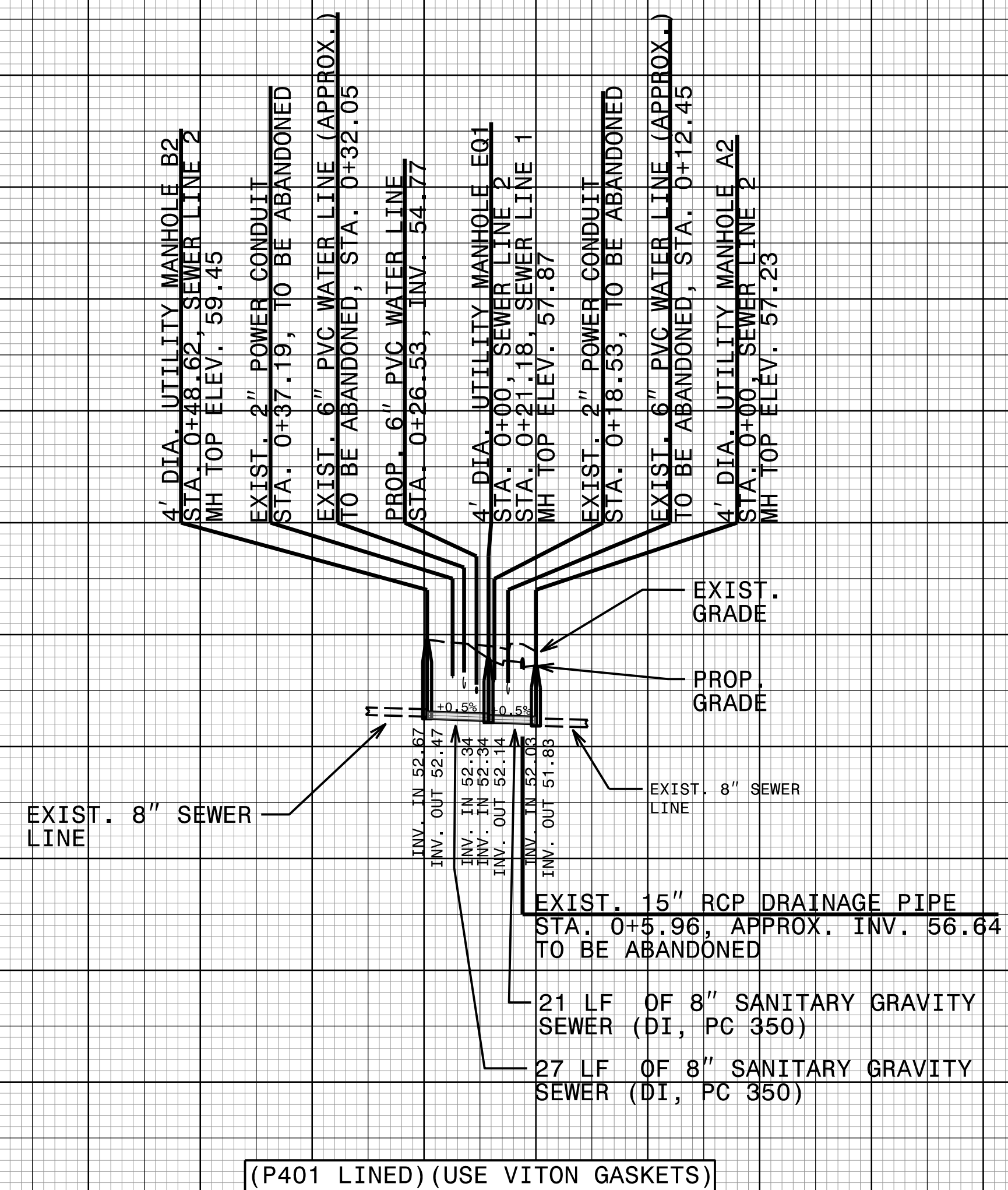
PLANS ONLY



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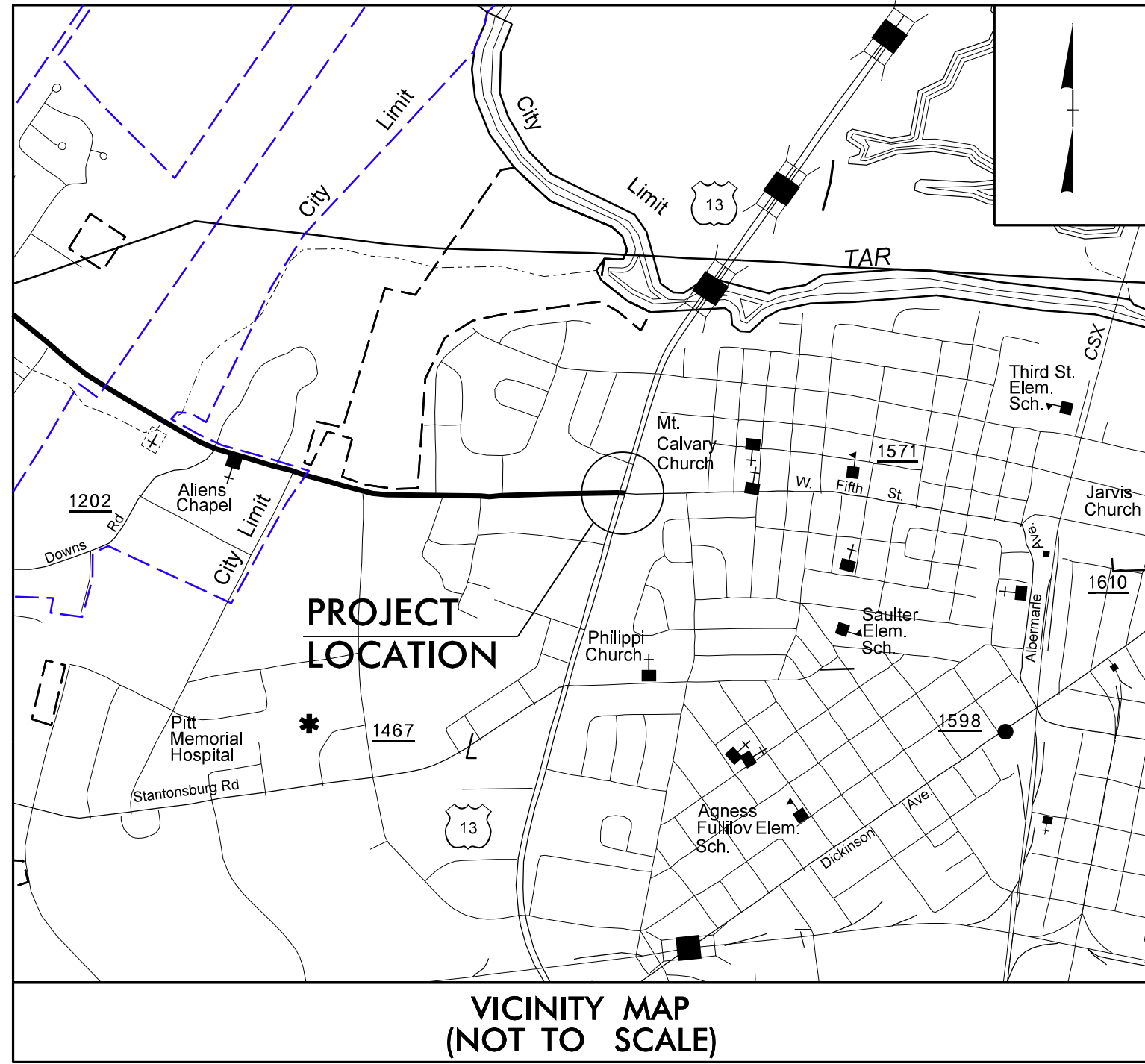
SEWER LINE 1



SEWER LINE 2

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TIP PROJECT: U-5730



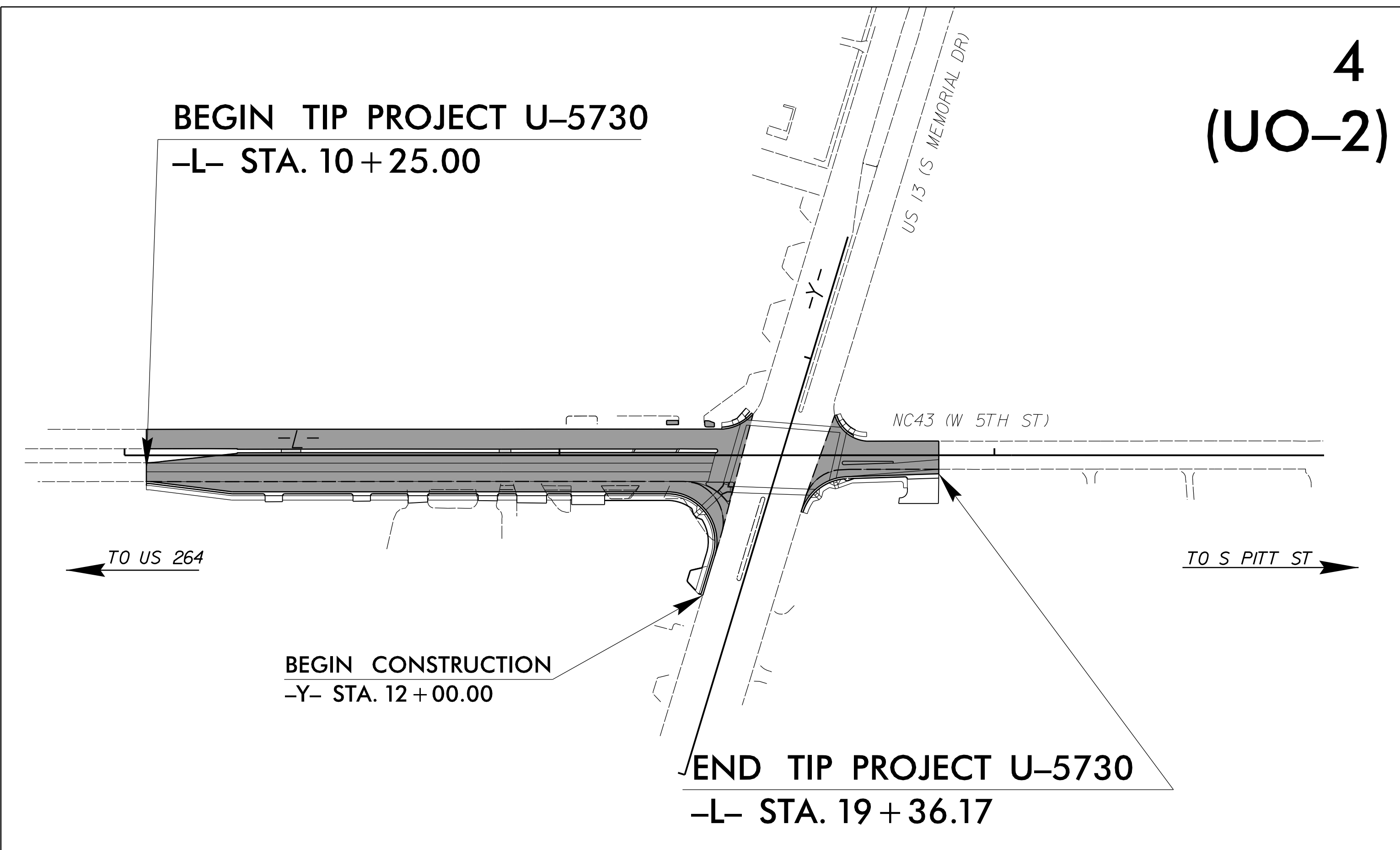
VICINITY MAP
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITIES BY OTHERS PLANS
PITT COUNTY

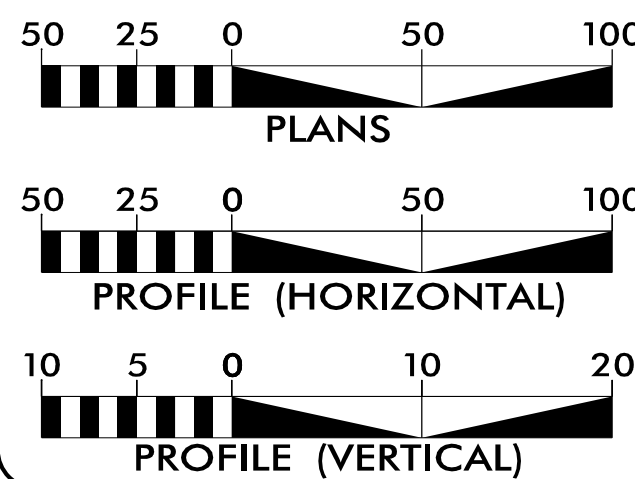
LOCATION: INTERSECTION AT US-13 AND NC 43 (W 5TH ST)

TYPE OF WORK: POWER, TELECOM, & GAS RELOCATIONS



THERE IS NO CONTROL OF ACCESS ON THIS PROJECT

GRAPHIC SCALES



INDEX OF SHEETS

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

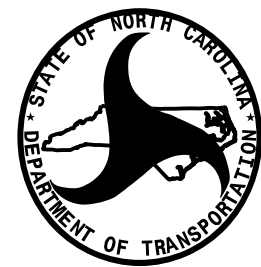
UTILITY OWNERS WITH CONFLICTS

- (A) POWER - GUC
- (B) TELECOM - BRIGHTSPEED
- (C) TELECOM - OPTIMUM
- (D) GAS - GUC

PREPARED IN THE OFFICE OF:



Clint Stevens, PE	UTILITY COORDINATION PROJECT MANAGER
Harris Winters	PROJECT UTILITY COORDINATOR
James Arnold	PROJECT UTILITY DESIGNER



DIVISION OF HIGHWAYS
DIVISION 2
2815 ROUSE ROAD EXTENSION
KINSTON, NC 28504
PHONE (252) 775-6100
FAX (252) 208-7862

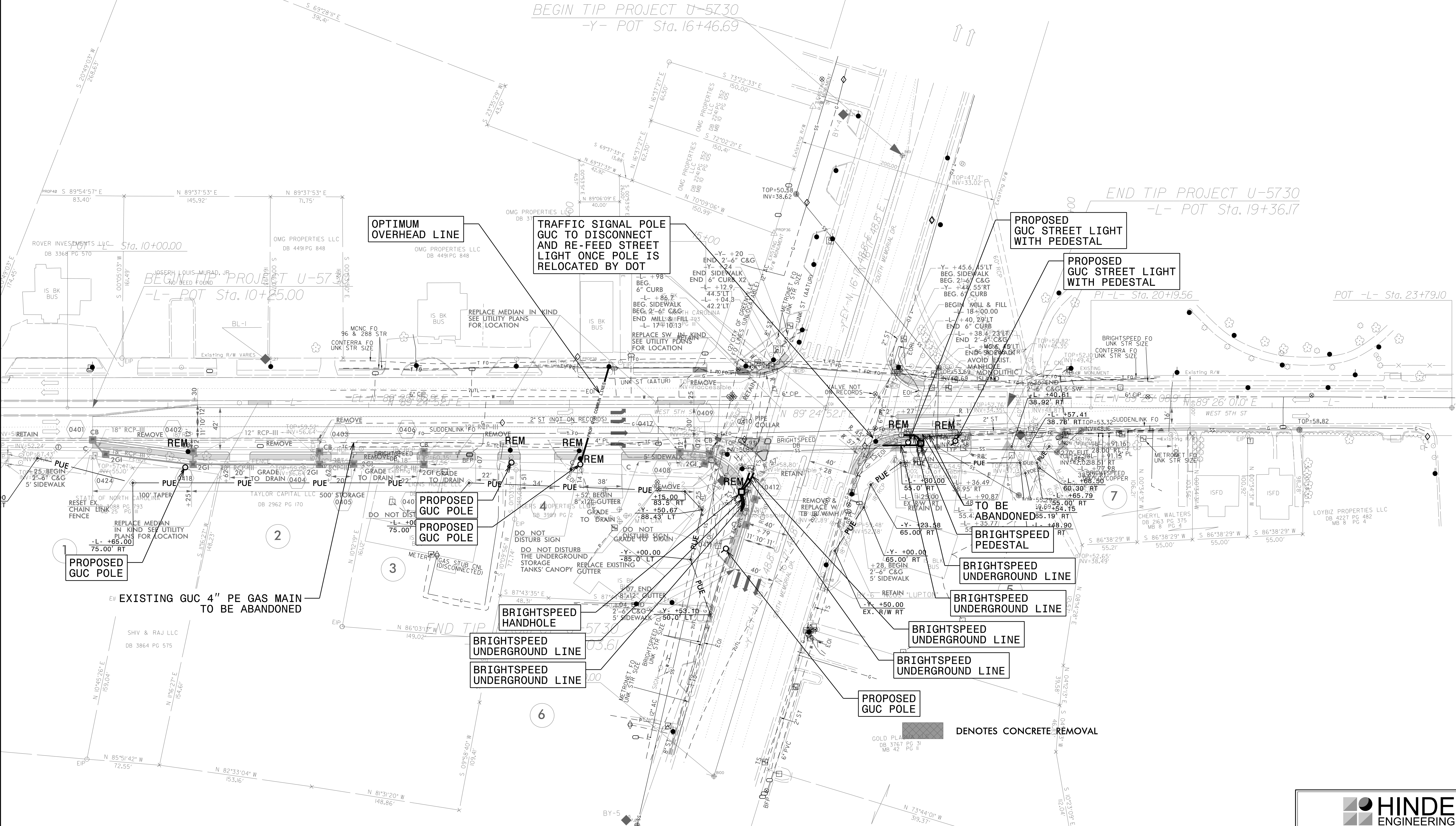
Cathrine Hossack Meyer, PE	PROJECT ENGINEER
David Kramer	DIV UTILITY ENGINEER



UTILITIES BY OTHERS

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.

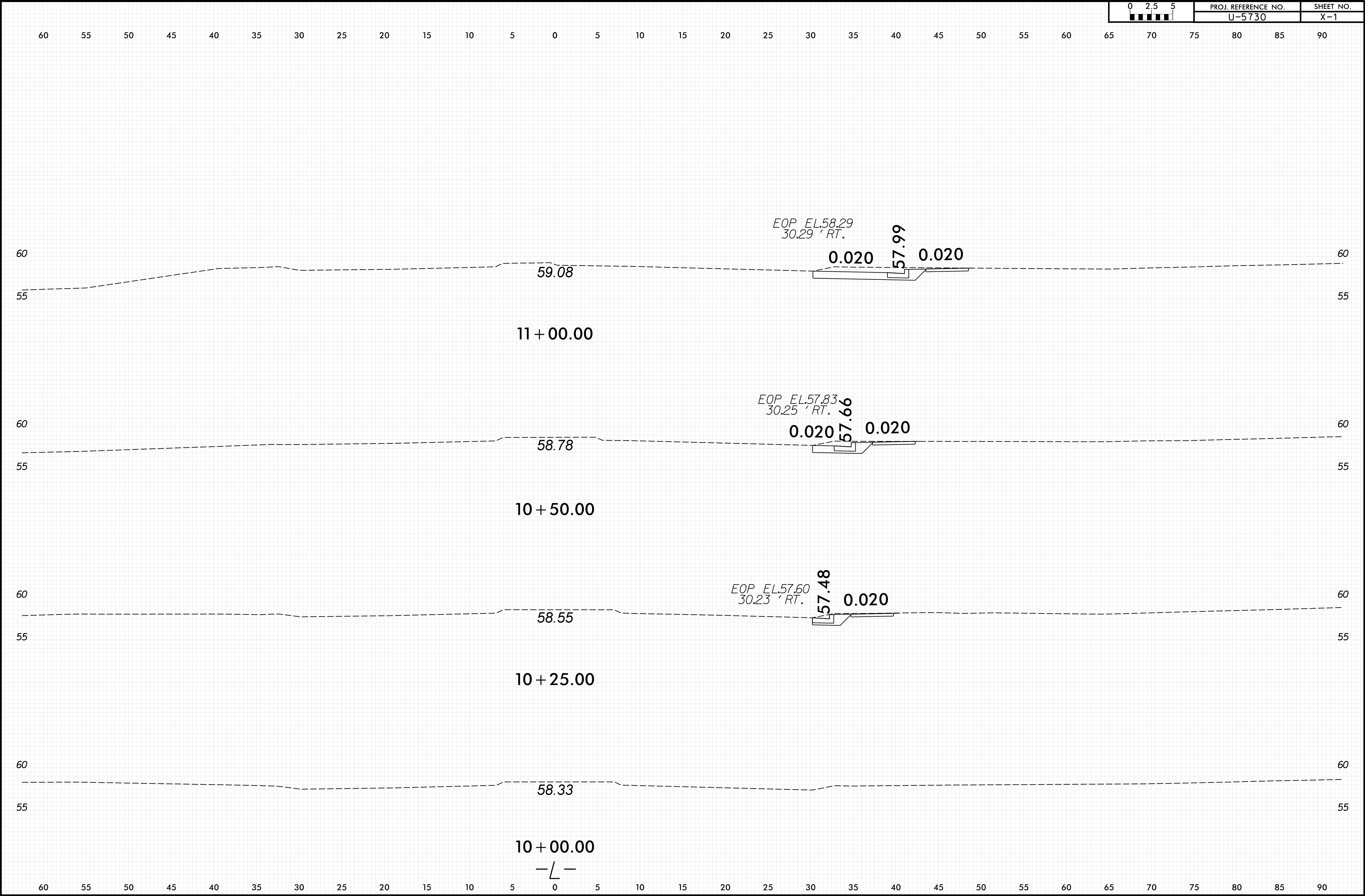
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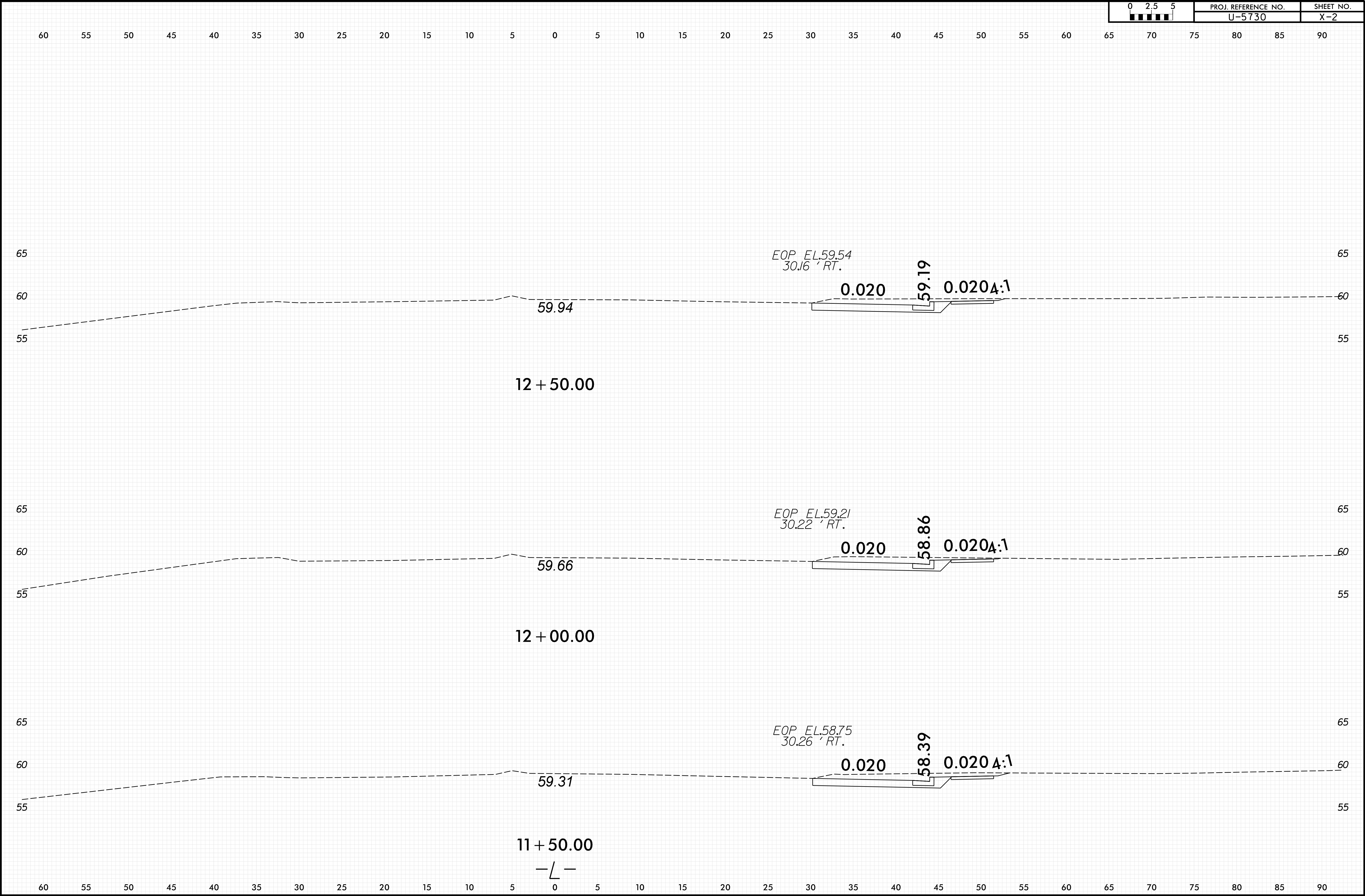
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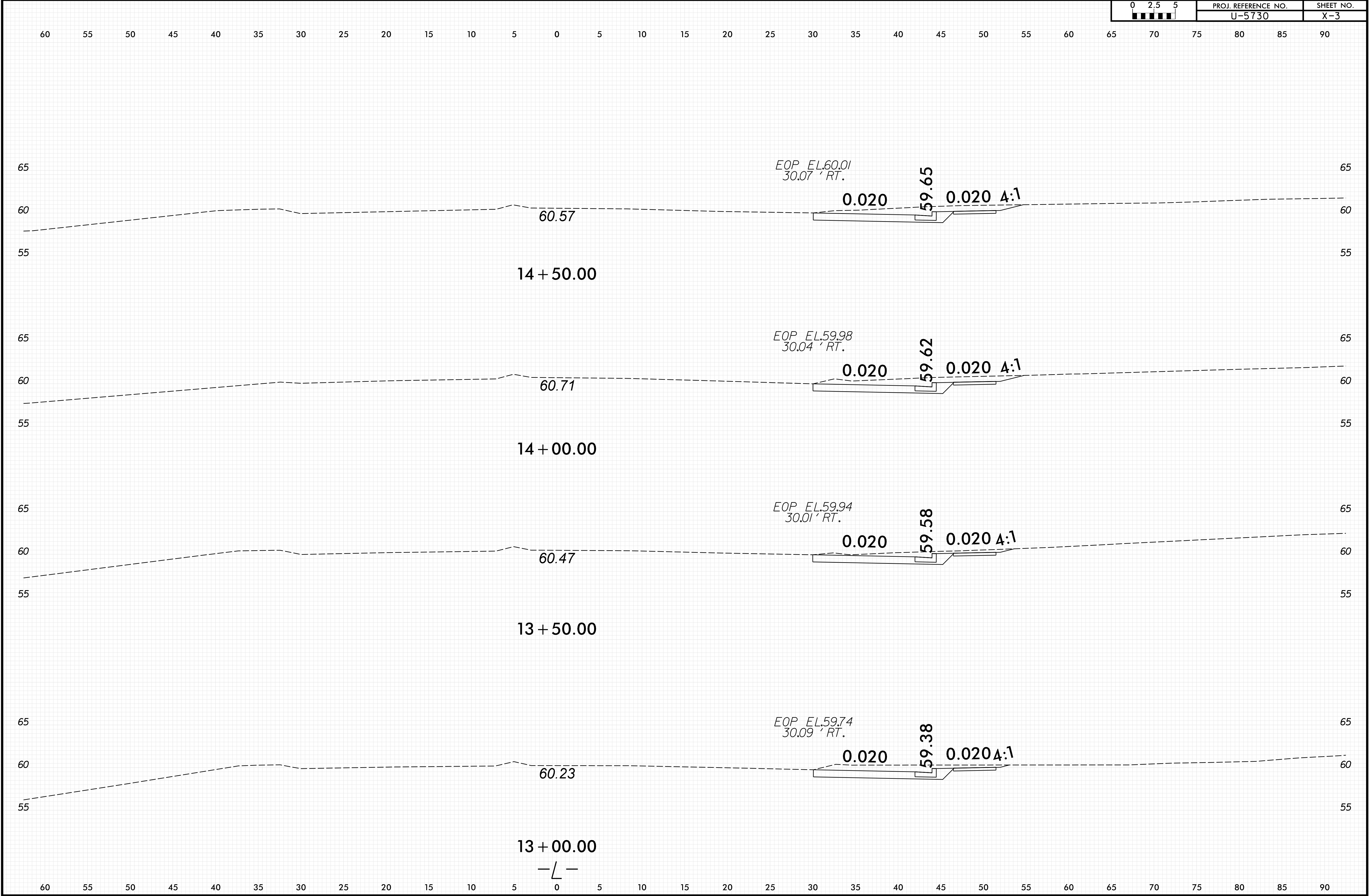
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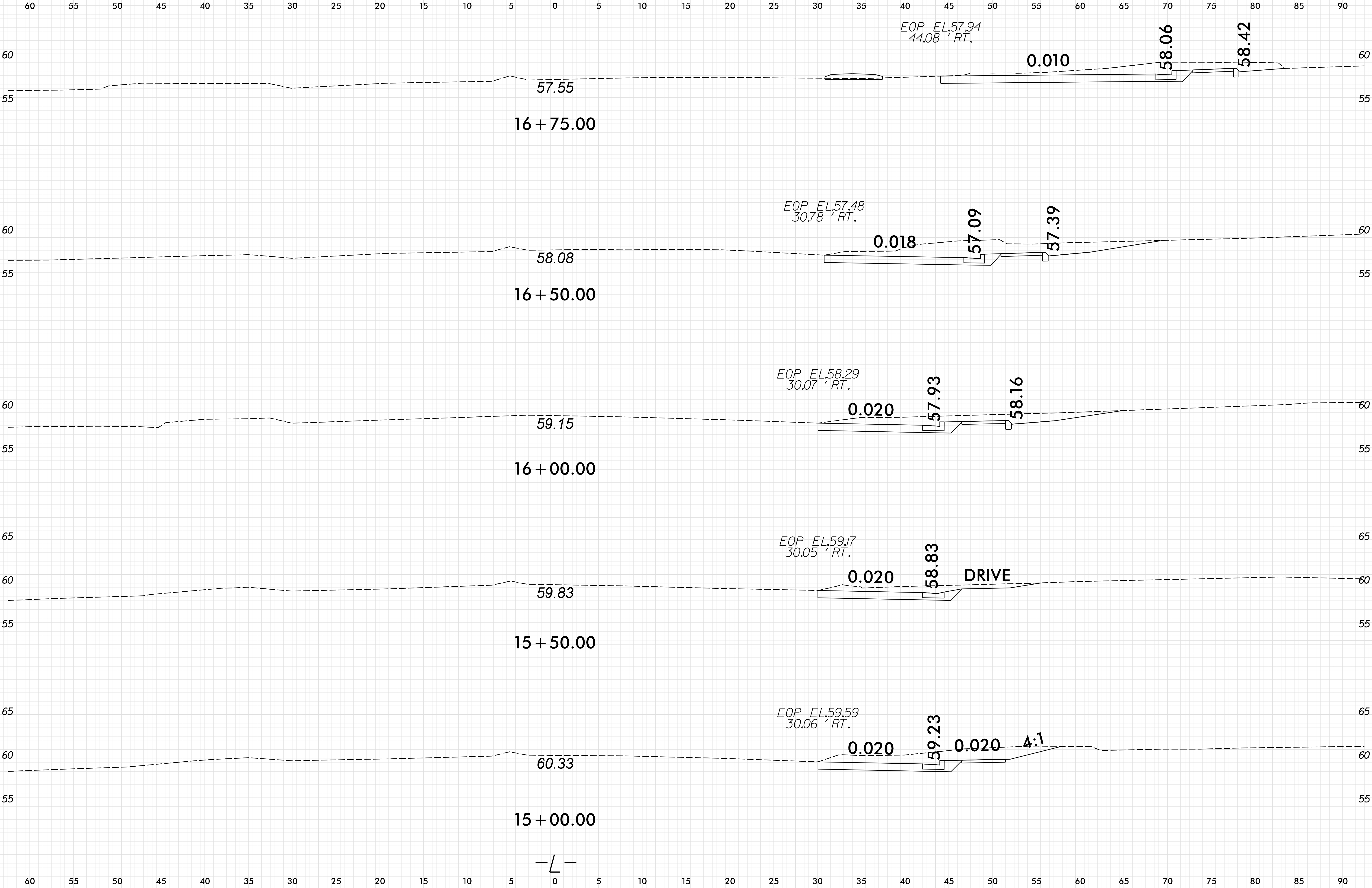
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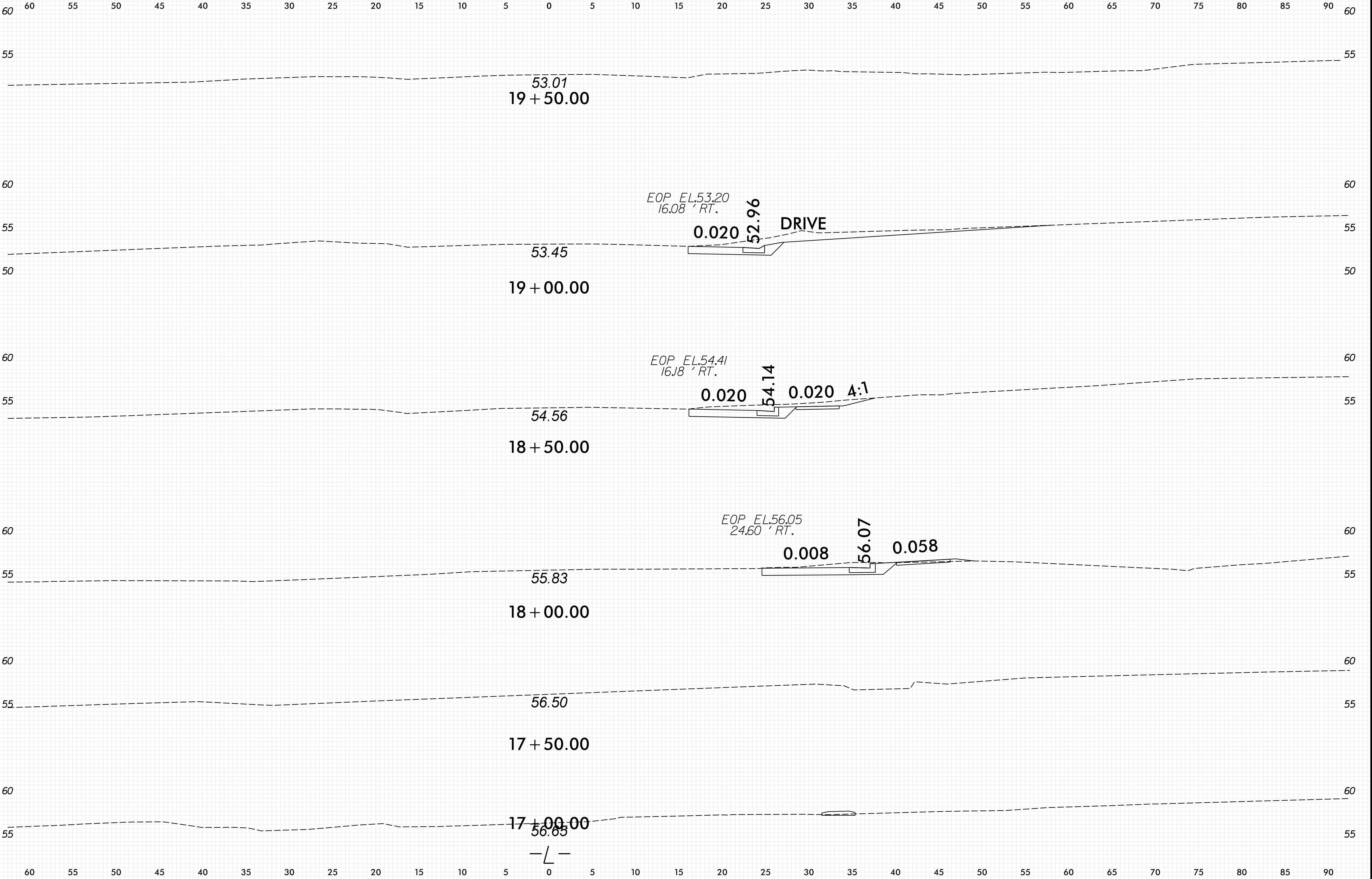
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6/23/16



6/23/16

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