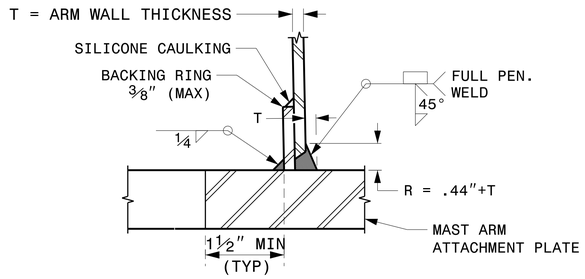
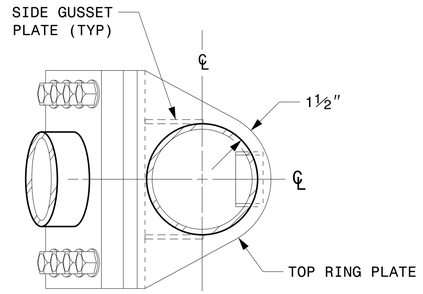
WELDED RING STIFFENED MAST ARM CONNECTION

PROJECT I.D. NO.	SHEET NO.
	Sig.M5



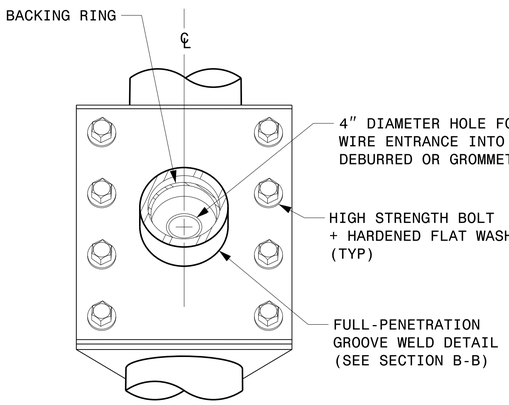
SECTION B-B
FULL-PENETRATION GROOVE WELD DETAIL



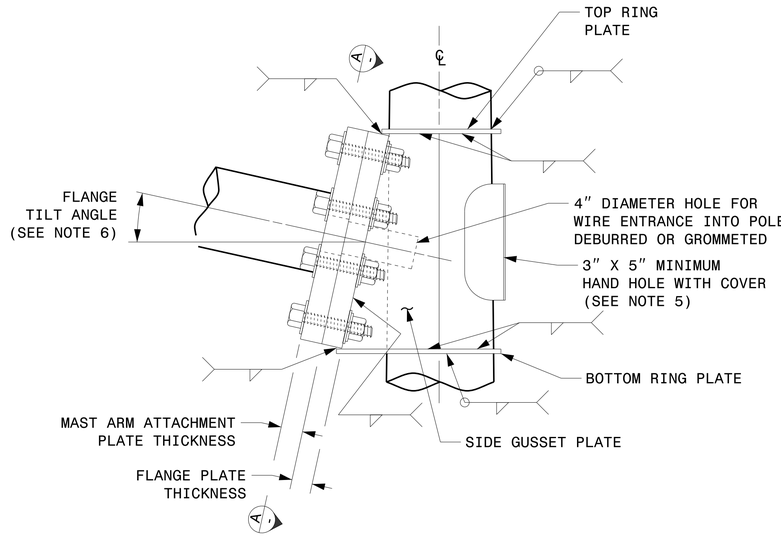
PLAN VIEW

NOTES:

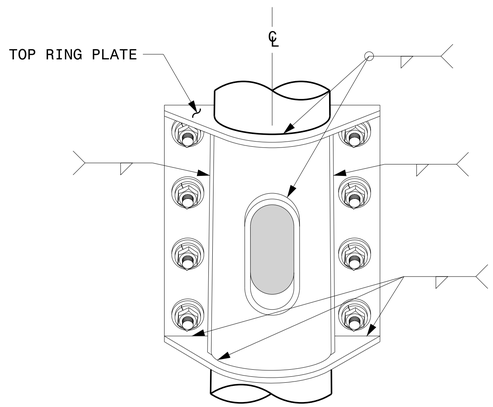
1. PROVIDE A PERMANENT MEANS OF IDENTIFICATION ABOVE THE MAST ARM TO INDICATE PROPER ATTACHMENT ORIENTATION OF THE MAST ARM.
2. DESIGNER WILL DETERMINE THE SIZE OF ALL STRUCTURAL COMPONENTS, PLATES, FASTENERS, AND WELDS SHOWN UNLESS THEY ARE ALREADY SPECIFIED.
3. FABRICATOR IS RESPONSIBLE FOR PROVIDING APPROPRIATE HOLES AT DRAINAGE POINTS TO DRAIN GALVANIZING MATERIALS.
4. FOR MINIMUM EDGE DISTANCE AND NOMINAL BOLT HOLE SIZE, FOLLOW THE LATEST AISC STEEL CONSTRUCTION MANUAL.
5. PROVIDE UPPER HANDHOLE AS NECESSARY WHEN SHAFT EXTENSIONS ARE REQUIRED FOR LUMINAIRE ARMS OR CAMERA. FOR POLES WITHOUT LUMINAIRES/CAMERA, WIRING CAN BE DONE THROUGH THE TOP OF POLE.
6. ALLOWABLE RANGE OF FLANGE TILT ANGLE WILL VARY FROM 0° TO AS REQUIRED.



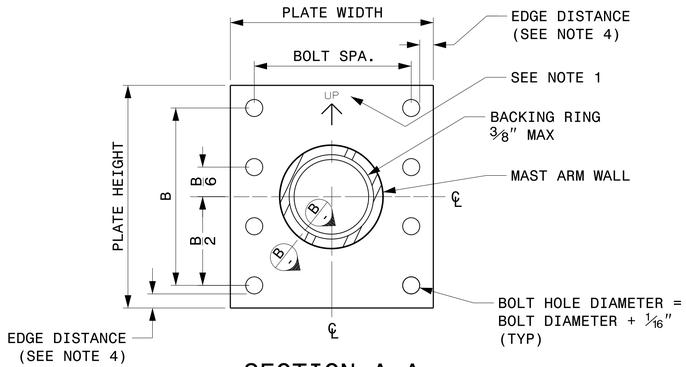
FRONT ELEVATION VIEW



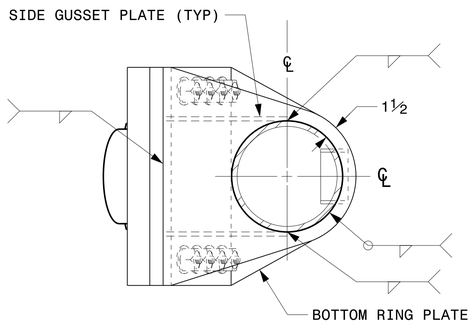
SIDE ELEVATION VIEW



BACK ELEVATION VIEW



SECTION A-A
MAST ARM ATTACHMENT PLATE



BOTTOM VIEW

Prepared in the Offices of:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy.Garner,NC 27529

SCALE
0 NA
NONE

Typical Fabrication Details
For
Mast Arm Connection To Pole

PLAN DATE:	SEPTEMBER 2023	DESIGNED BY:	C.F. ANDREWS
PREPARED BY:	K.C. DURIGON	REVIEWED BY:	D.C. SARKAR

REVISIONS	INIT.	DATE

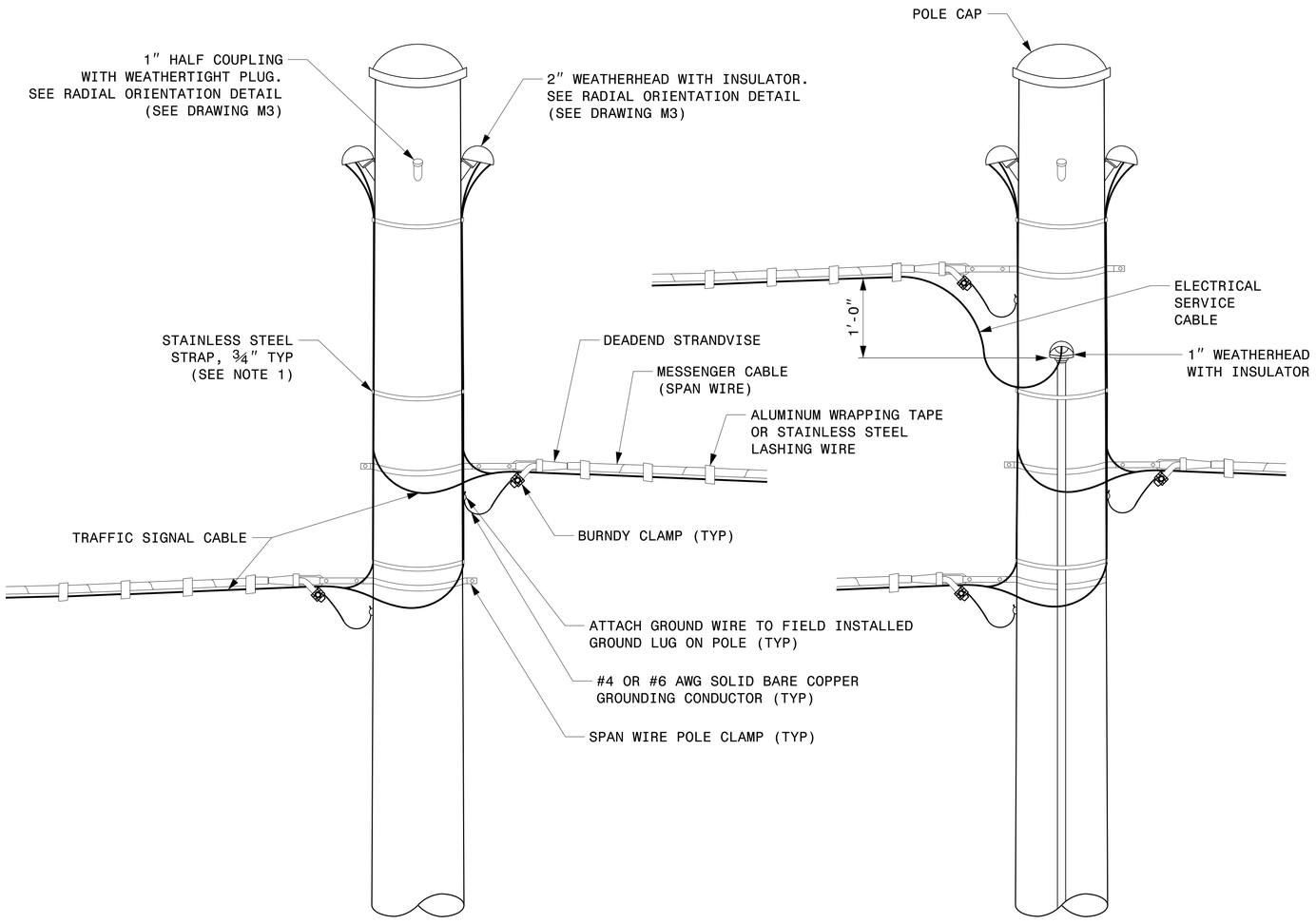
SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
036626
ENGINEER
KEVIN C. DURIGON

DocuSigned by:
Kevin Durigon
SIGNATURE
4B23DC79B3784DA...
09/21/2023
DATE

Fabrication Details – Mast Arm Connection

PROJECT I.D. NO.	SHEET NO.
	Sig.M6

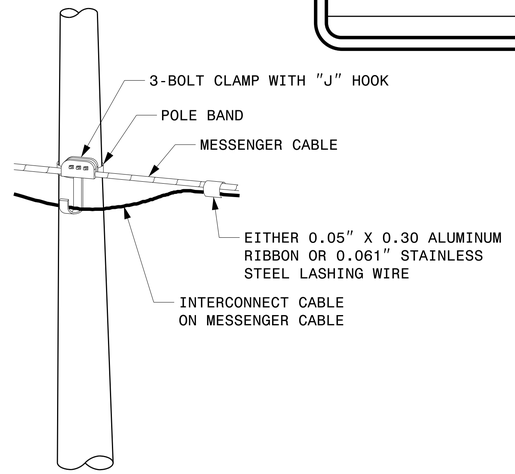
Fabrication Details – Strain Pole Attachments



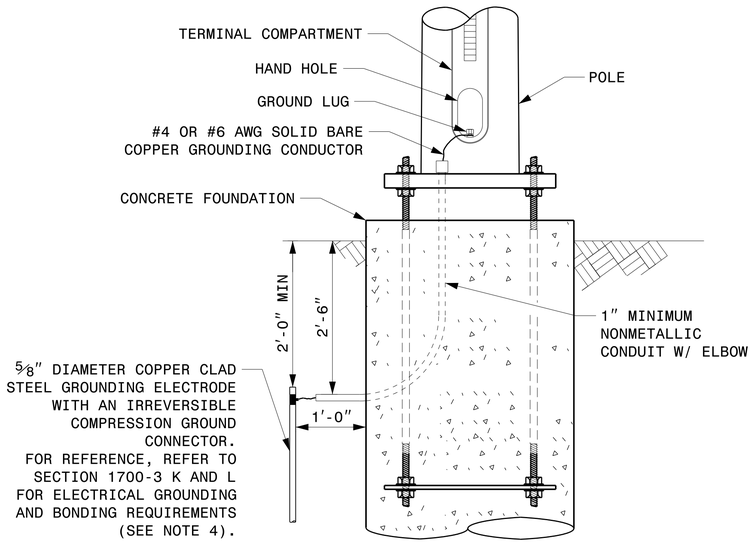
STRAIN POLE ATTACHMENTS

NOTES:

1. STRAP ALL SIGNAL CABLES TO THE SIDE OF THE POLE WITH ¾″ STAINLESS STEEL STRAPS WHEN THE DISTANCE BETWEEN SPAN WIRE ATTACHMENT CLAMP AND WEATHERHEADS EXCEEDS 3′-0″.
2. PROVIDE MINIMUM TWO SPAN WIRE POLE CLAMPS PER POLE.
3. IT IS PROHIBITED TO ATTACH TWO SPAN WIRES AT ONE POLE CLAMP.
4. FOR GENERAL REQUIREMENTS, REFER TO NCDOT STANDARD SPECIFICATIONS FOR ROADWAY AND STRUCTURES, JANUARY 2024.



ATTACHMENT OF CABLE TO INTERMEDIATE METAL POLE



METAL POLE GROUNDING DETAIL FOR STRAIN POLE AND MAST ARM

Prepared In the Offices of:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy,Garner,NC 27529

SCALE
0 NA
NONE

Typical Fabrication Details
For
Strain Pole Attachments

PLAN DATE:	SEPTEMBER 2023	DESIGNED BY:	C.F. ANDREWS
PREPARED BY:	K.C. DURIGON	REVIEWED BY:	D.C. SARKAR

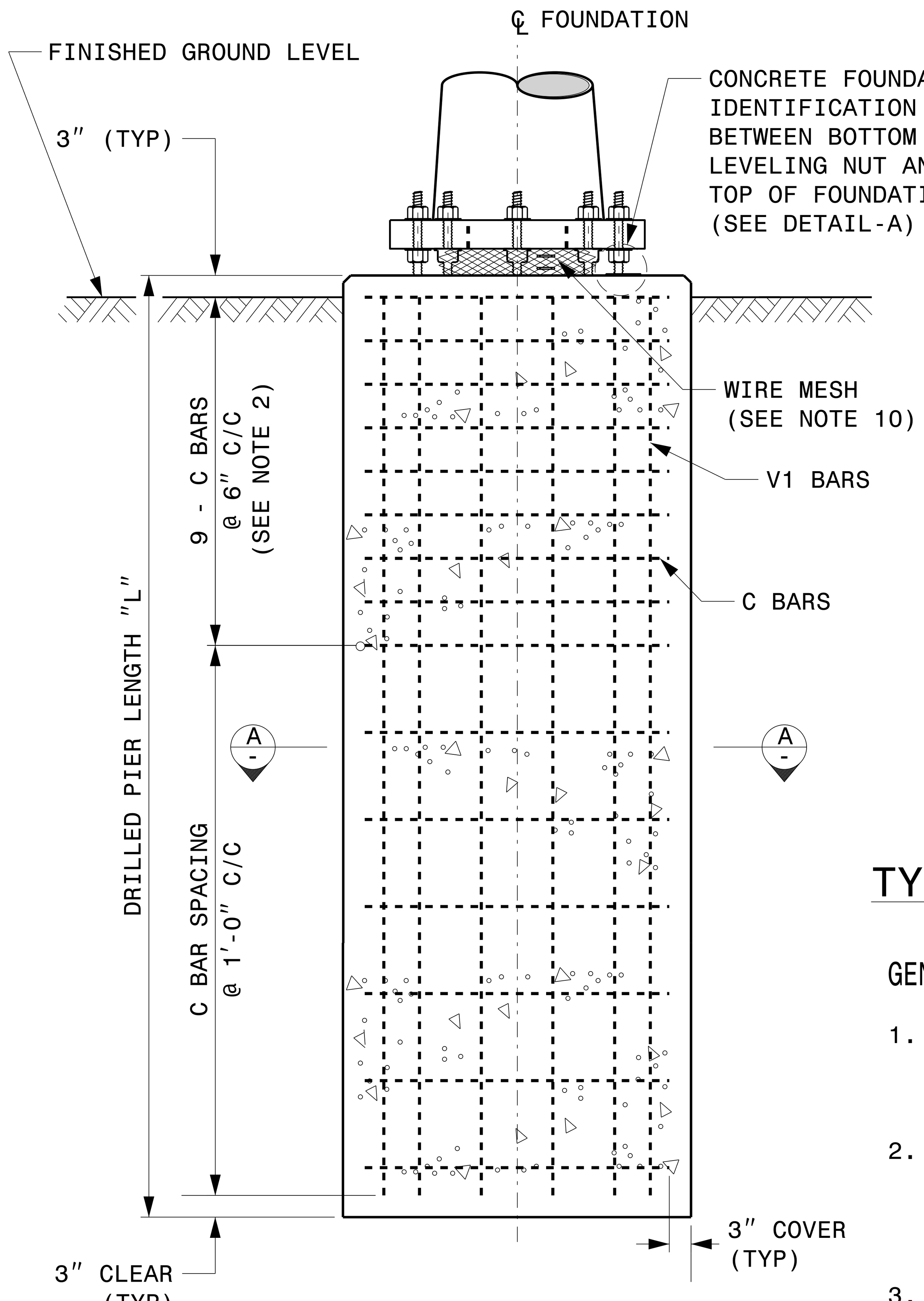
REVISIONS	INIT.	DATE

SEAL

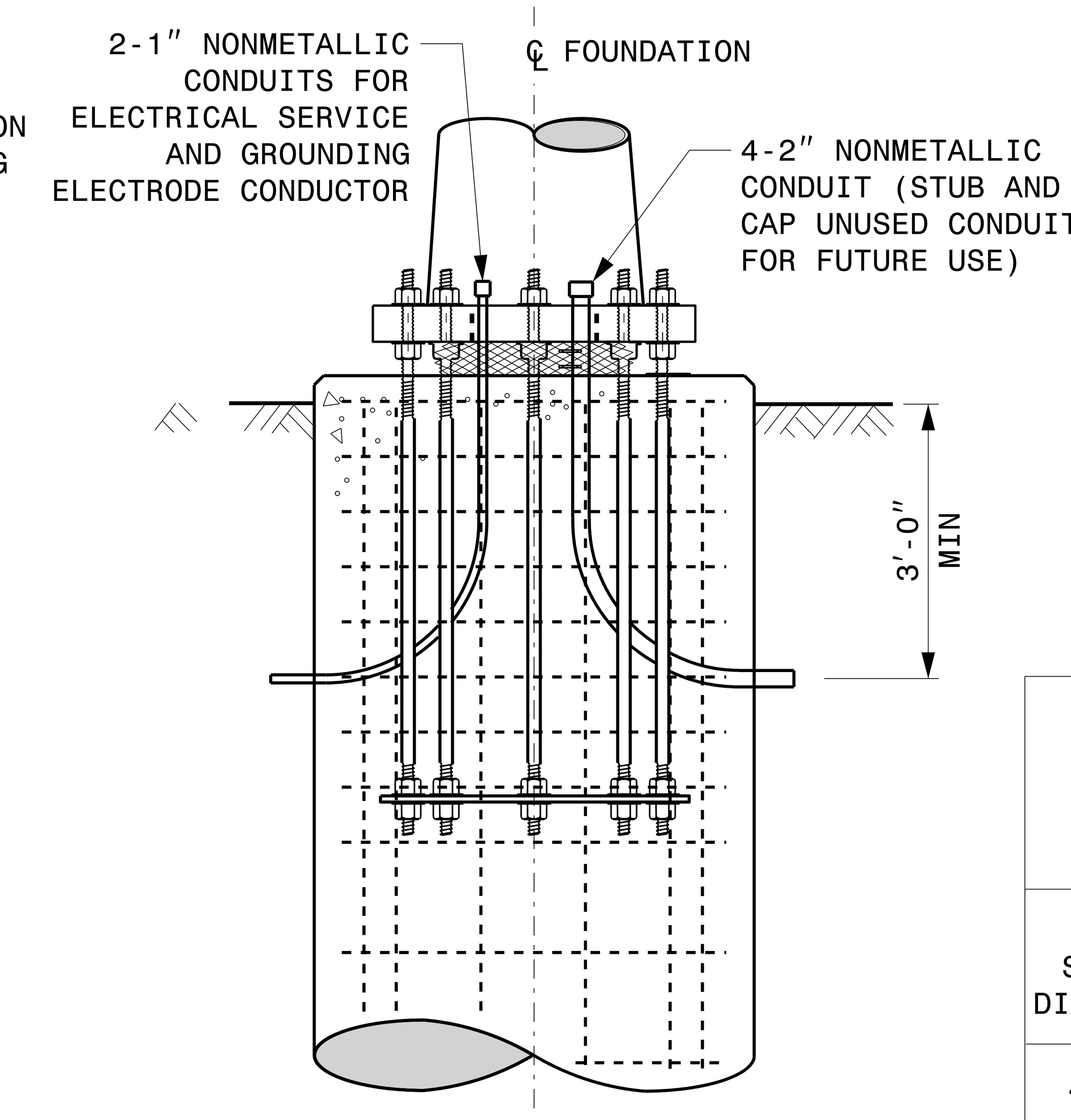
NORTH CAROLINA PROFESSIONAL SEAL 036626 ENGINEER KEVIN C. DURIGON

DocuSigned by:
Kevin Durigon
SIGNATURE
4B23DC79B3784DA...
09/21/2023
DATE

Construction Details – Foundations



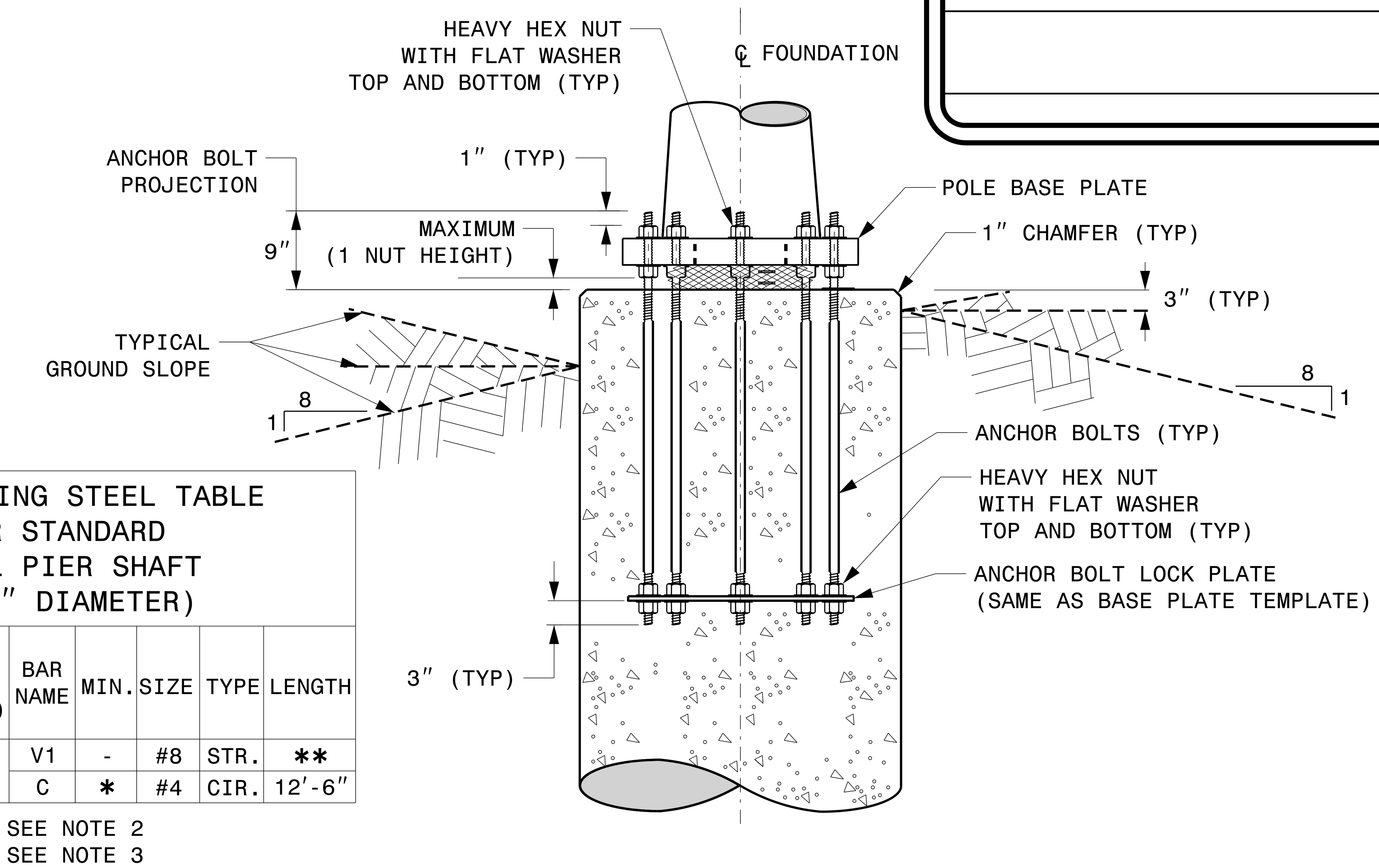
CONCRETE SHAFT ELEVATION



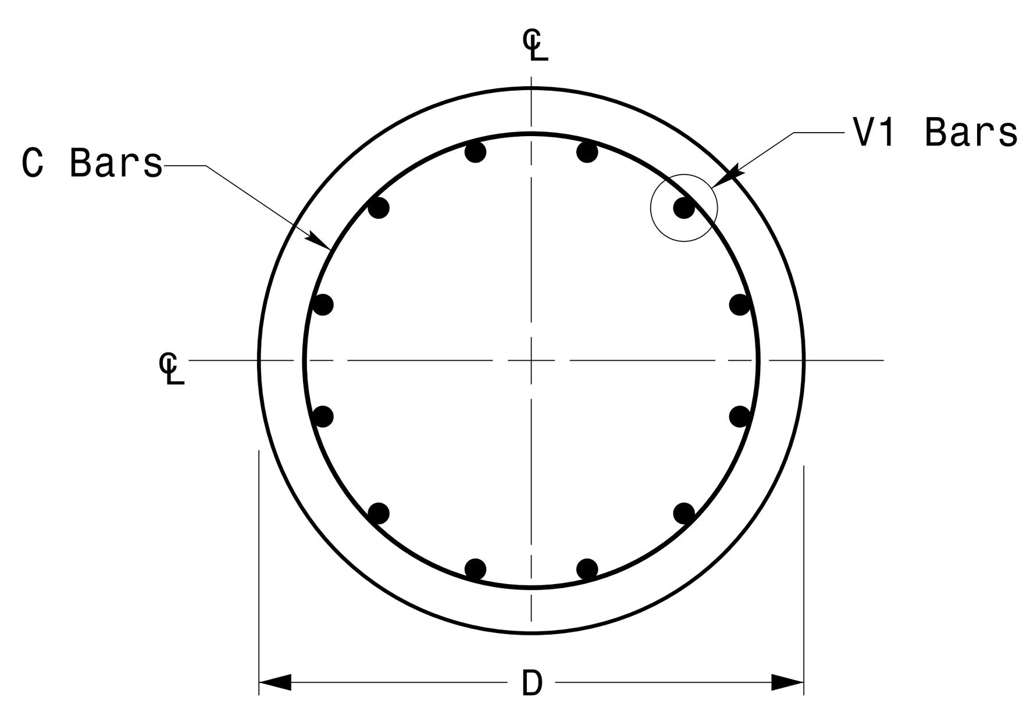
TYPICAL FOUNDATION CONDUIT DETAILS

REINFORCING STEEL TABLE FOR STANDARD DRILL PIER SHAFT (4′-0″ DIAMETER)						
"D" SHAFT DIAMETER	CONCRETE VOLUME (CU. YDS)	BAR NAME	MIN.	SIZE	TYPE	LENGTH
4′-0″	.465 X L	V1	-	#8	STR.	**
		C	*	#4	CIR.	12′-6″

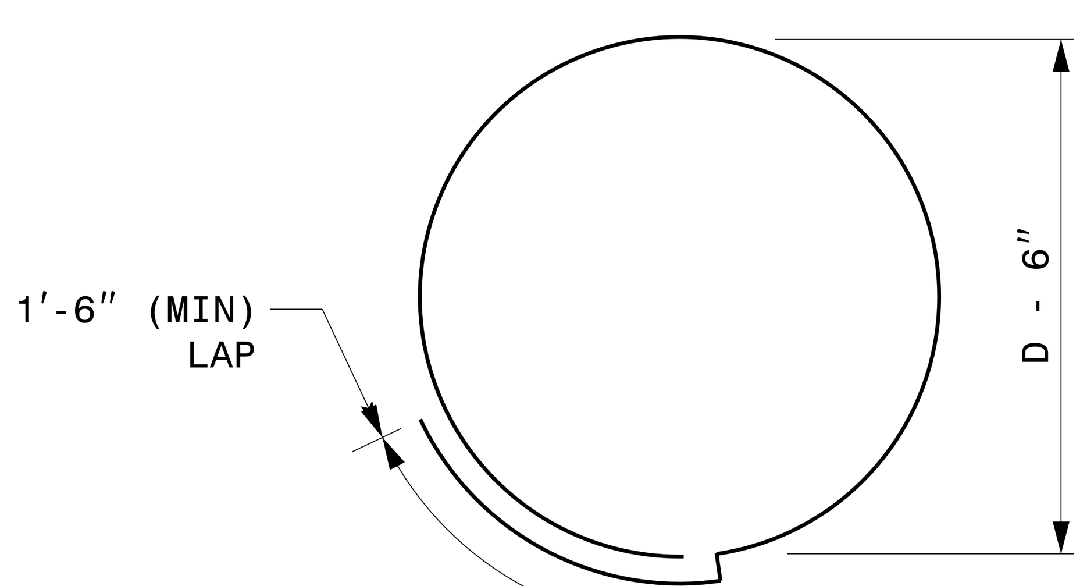
* SEE NOTE 2
** SEE NOTE 3



TYPICAL FOUNDATION ANCHOR BOLT DETAILS
(REINFORCING CAGE NOT SHOWN FOR CLARITY)



SECTION A-A

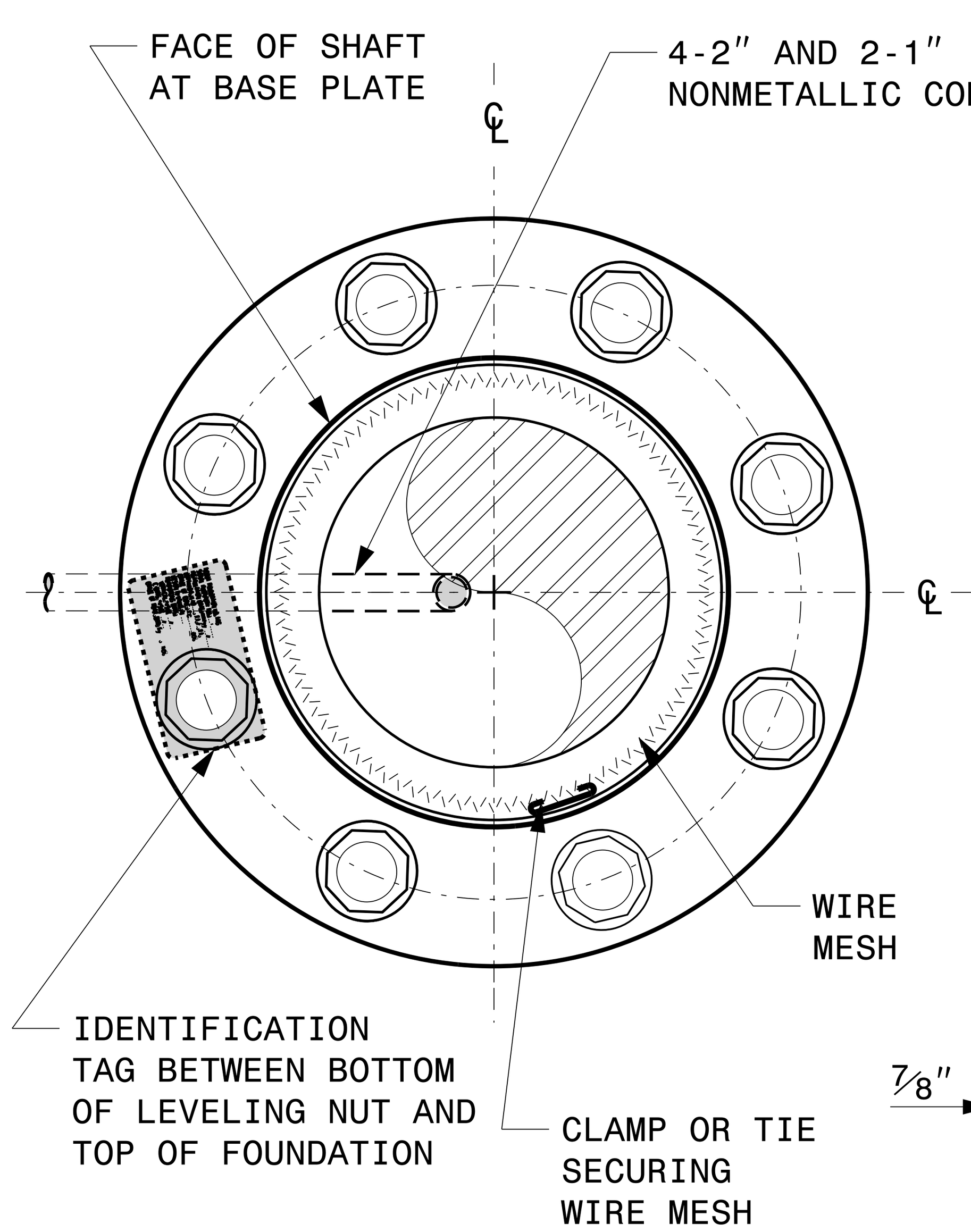


TYPICAL "C" BAR DETAIL

GENERAL NOTES:

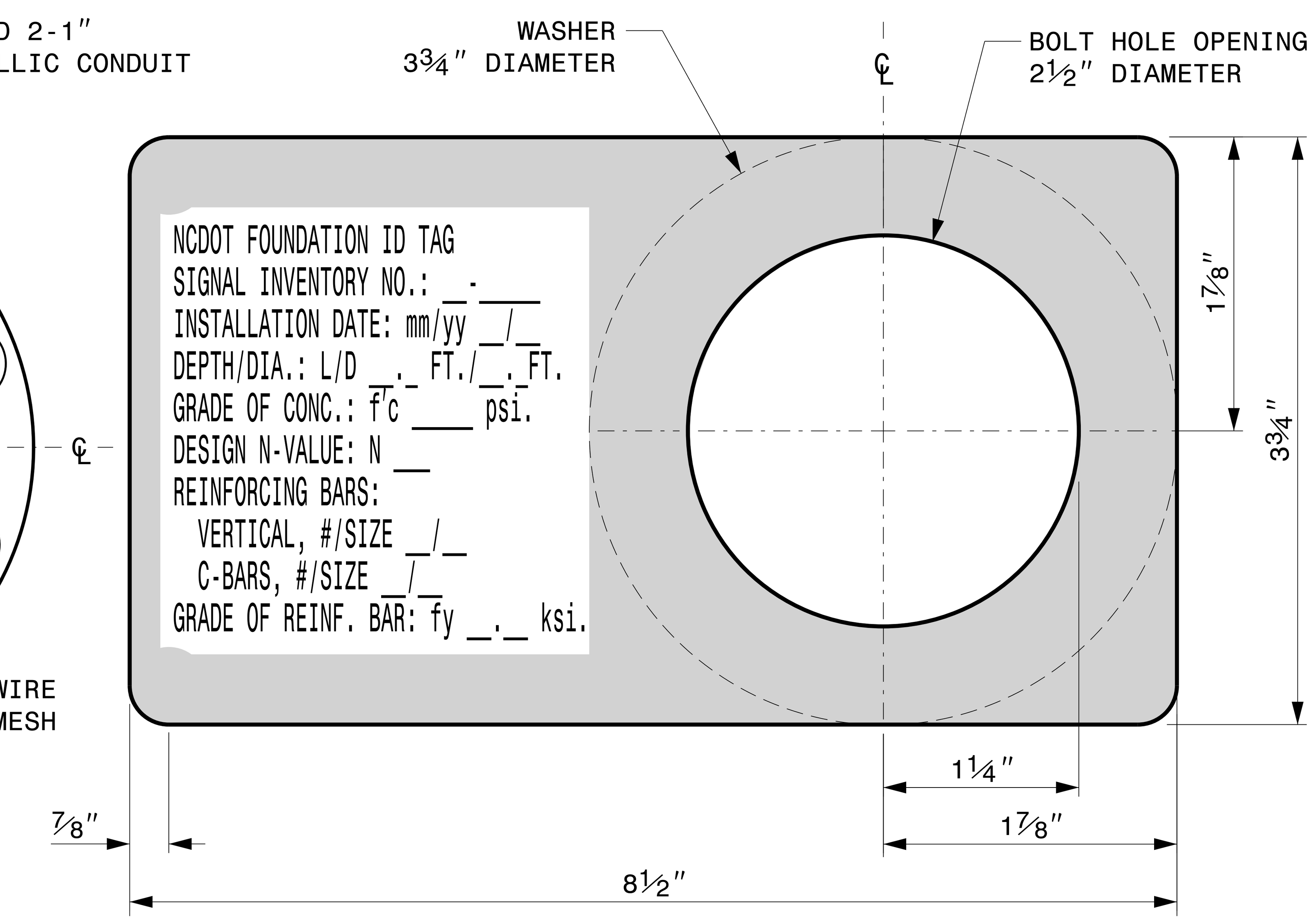
1. IF ACTUAL SUBSURFACE CONDITIONS DIFFER SIGNIFICANTLY FROM BORING DATA, CONTACT THE ENGINEER BEFORE EXCAVATING OR PLACING CONCRETE.
2. CIRCULAR TIE REINFORCING RINGS MAY BE VERTICALLY ADJUSTED BY +/-3″ AT A DEPTH BETWEEN 2′-0″ AND 3′-0″ TO FACILITATE THE INSTALLATION OF ELECTRICAL CONDUIT ENTERING IN THE CAGE.
3. FOR STANDARD FOUNDATIONS, SEE SHEET SIG. M8 FOR DETAILS. VERTICAL REINFORCING BARS (V1) MAY BE HORIZONTALLY ADJUSTED BY +/-3″ TO FACILITATE THE INSTALLATION OF ELECTRICAL CONDUIT ENTERING INTO THE CAGE.
4. PROVIDE 2″ TO 5″ FOUNDATION PROJECTION ABOVE GROUND LEVEL, DEPENDING ON THE GROUND SLOPE.
5. UNLESS OTHERWISE SHOWN, FOUNDATION DESIGNS ARE BASED ON NON-SLOPING LEVEL GROUND SURFACES WITH SLOPE RATIOS OF 8:1 (H:V) OR FLATTER. IF ACTUAL GROUND LINE SLOPES ARE STEEPER, CONTACT THE ENGINEER BEFORE EXCAVATING OR PLACING CONCRETE.
6. CONSTRUCT FOUNDATIONS IN ACCORDANCE WITH NCDOT STANDARD PROVISIONS SP09 R005- FOUNDATIONS AND ANCHOR ROD ASSEMBLIES FOR METAL POLES. ALL APPLICABLE 2024 NCDOT STANDARD SPECIFICATIONS ARE REFERENCED IN THIS PROVISION. REFER TO THE NCDOT RESOURCES/SPECIFICATIONS PAGE LOCATED ON THE CONNECT NCDOT WEBSITE.

   https://connect.ncdot.gov/resources/Specifications and Special Provisions.aspx
7. USE AIR ENTRAINED AA CONCRETE MIX WITH A COMPRESSION STRENGTH OF f′c=4500 psi (MIN) AFTER 28 DAYS.
8. USE ASTM A615 GRADE 60 DEFORMED BARS FOR ALL REINFORCING STEEL. MAINTAIN AT LEAST 3″ COVER ON ALL REINFORCEMENT.
9. LOCATE IDENTIFICATION TAG ON TOP OF THE FOUNDATION, DIRECTLY ABOVE THE CONDUIT'S ENTRY POINT.
10. PROVIDE TWO LAYERS OF 4 MESH GALVANIZED WELDED 23 GAUGE (0.025) 6″ WIDE AROUND PIPES UNDER THE BASE PLATE AND SECURE IT WITH TIES IF NECESSARY.
11. PREFERRED LOCATION FOR THE I.D. TAG IS AS SHOWN IN DETAIL-A: DIRECTLY ABOVE THE CONDUIT ENTERING THE FOUNDATION.



D = DIAMETER
L = LENGTH / DEPTH
mm = MONTH
yy = YEAR

DETAIL-A



CONCRETE FOUNDATION IDENTIFICATION TAG DETAILS

Prepared in the Offices of: Transportation Mobility and Safety Division, Signal Design Section
750 N.Greenfield Pkwy,Garner,NC 27529

SCALE: 0 NA — NONE

Construction Details For Foundations

PLAN DATE: SEPTEMBER 2023 | DESIGNED BY: K.C. DURIGON
PREPARED BY: K.C. DURIGON | REVIEWED BY: D.C. SARKAR
REVISIONS | INIT. | DATE

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036626 KEVIN C. DURIGON

DocuSigned by: Kevin Durigon
4B23DC79B3784DA
SIGNATURE — 09/21/2023 DATE

PROJECT I.D. NO.	SHEET NO.
	Sig.M8

SOIL CONDITION

STANDARD STRAIN POLES						STANDARD FOUNDATIONS 48″ Diameter Drilled Pier Length (L) – Feet							Reinforcement			
			Reactions at the Pole Base			Clay				Sand			Longitudinal		Stirrups	
Case No.	Pole Height (Ft.)	Base Plate BC (In.)	Axial (kip)	Shear (kip)	Moment (ft–kip)	Medium N–Value 4–8	Stiff N–Value 9–15	Very Stiff N–Value 16–30	Hard N–Value > 30	Loose N–Value 4–10	Medium N–Value 11–30	Dense N–Value > 30	Bar Size (#)	Quantity (ea.)	Bar Size (#)	Spacing (in.)
S26L1	26	22	2	9	210	19.5	12.5	9	6.5	15.5	14.5	13	8	12	4	12
S26L2	26	23	2	10	240	19.5	12	9	6.5	15.5	14.5	13	8	12	4	12
S26L3	26	25	2	11	260	20.5	12	10	8	16	15	13	8	12	4	12
S30L1	30	22	2	9	230	19	11	9	7	15.5	14	12.5	8	12	4	12
S30L2	30	23	2	10	270	20	12	10	8	16	14.5	13	8	12	4	12
S30L3	30	25	2	11	290	21	12	10	8	17	15	13.5	8	12	4	12
S30H1	30	25	3	13	355	23	13	11	9	18	16.5	14.5	8	12	4	12
S30H2	30	29	3	15	405	25	14	11	9	19	17.5	15.5	8	14	4	12
S30H3	30	29	3	16	430	26	15	12	9	20	18	16	8	14	4	6
S35L1	35	22	3	8	260	19.5	12	10	8	15.5	14.5	13	8	12	4	12
S35L2	35	23	3	10	300	21	12	10	8	16.5	15	13.5	8	12	4	12
S35L3	35	25	3	10	320	21.5	13	10	8	17	15.5	14	8	12	4	12
S35H1	35	25	3	12	390	23.5	14	11	9	18	17	15	8	14	4	12
S35H2	35	29	4	14	460	26	15	12	9	20	18	16	8	14	4	6
S35H3	35	29	4	16	495	28.5	15	13.5	10	21.5	19	17	8	14	4	6

48″ DIAMETER FOUNDATION CONCRETE VOLUME (CUBIC YARDS) = (0.465) x DRILLED PIER LENGTH

GENERAL NOTES:

1. VALUES SHOWN IN THE "REACTIONS AT THE POLE BASE" COLUMN REPRESENT THE MINIMUM ACCEPTABLE CAPACITY ALLOWED FOR DESIGN USING A COMBINED FORCE RATIO (CFR) OF 1.00.
2. USE CHAIRS AND SPACERS TO MAINTAIN PROPER CLEARANCE.
3. FOR FOUNDATION, ALWAYS USE AIR-ENTRAINED CONCRETE MIX.

FOUNDATION SELECTION:

1. PERFORM A STANDARD PENETRATION TEST AT EACH PROPOSED FOUNDATION SITE TO DETERMINE "N" VALUE.
2. SELECT THE APPROPRIATE WIND ZONE FROM M1 DRAWING.
3. SELECT THE SOIL TYPE (CLAY OR SAND) THAT BEST DESCRIBES THE SOIL CHARACTERISTICS.
4. GET THE APPROPRIATE STANDARD POLE CASE NUMBER FROM THE PLANS OR FROM THE ENGINEER.
5. SELECT THE APPROPRIATE COLUMN UNDER "STANDARD FOUNDATIONS" BASED ON SOIL TYPE AND "N" VALUE. SELECT THE APPROPRIATE ROW BASED ON THE POLE LOAD CASE.
6. THE FOUNDATION DEPTH IS THE VALUE SHOWN IN THE "STANDARD FOUNDATIONS" CATEGORY WHERE THE COLUMN AND THE ROW INTERSECT.
7. USE CONSTRUCTION PROCEDURES AND DESIGN METHODS PRESCRIBED BY FHWA-NHI-10-016 MANUAL FOR DRILLED SHAFTS.

Standard Strain Pole Foundation – All Soil Conditions

Prepared in the Offices of:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy,Garner,NC 27529

SCALE 0 NA
NONE

Standard Strain Pole
Foundation for All
Soil Conditions

PLAN DATE: SEPTEMBER 2023 DESIGNED BY: K.C. DURIGON
PREPARED BY: K.C. DURIGON REVIEWED BY: D.C. SARKAR

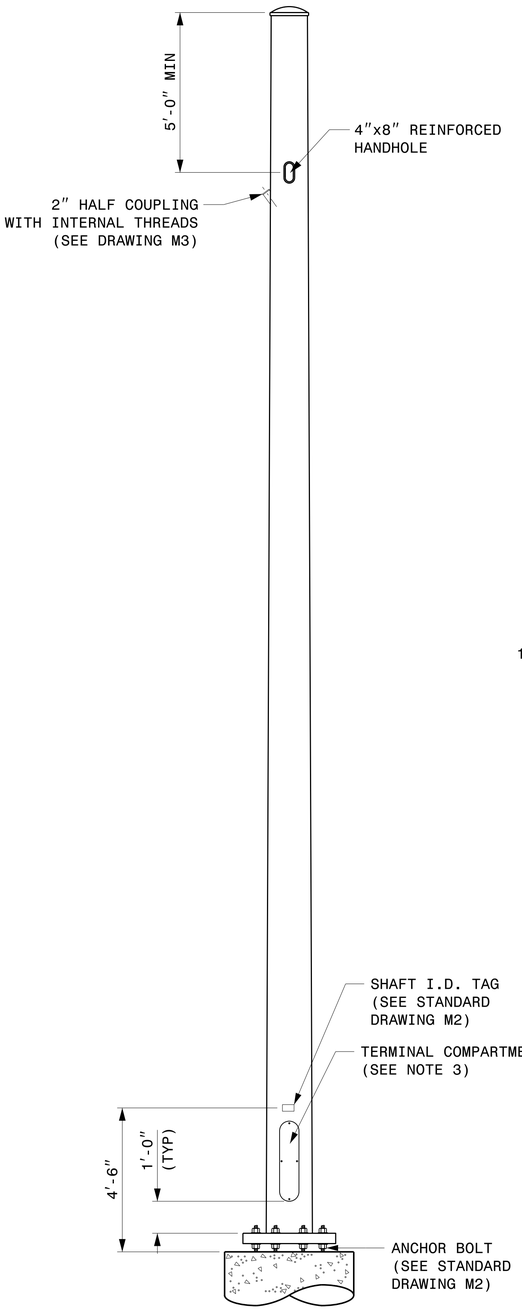
REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036626 ENGINEER KEVIN C. DURIGON

DocuSigned by:
Kevin Durigon
SIGNATURE
4B23DC79B3784DA
09/21/2023
DATE

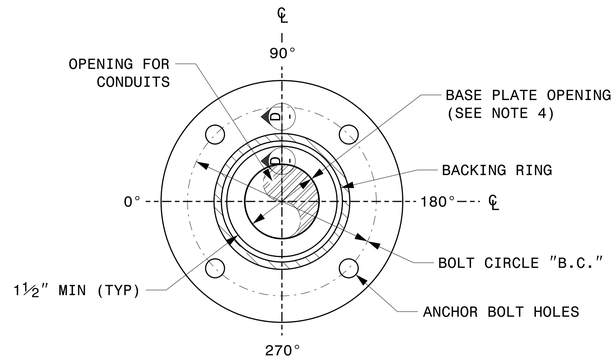
PROJECT I.D. NO.	SHEET NO.
	Sig.M9

Fabrication Details – CCTV Camera Poles

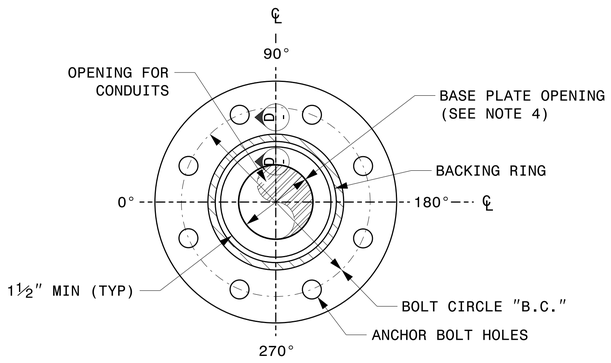


CCTV CAMERA POLE

(NOT TO SCALE)

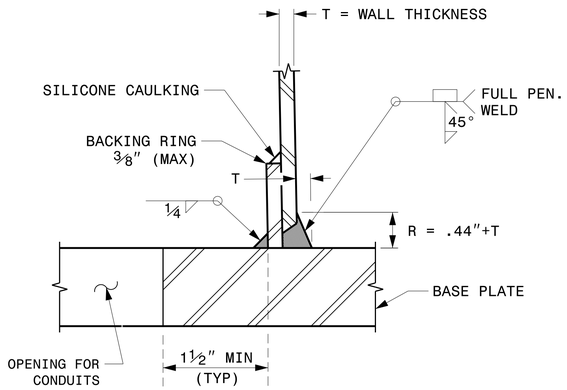


4 BOLT PATTERN
FOR POLES UP TO 40'



8 BOLT PATTERN
FOR POLES TALLER THAN 40'

BASE PLATE DETAILS



SECTION D-D

(POLE ATTACHMENT TO BASE PLATE)

FULL-PENETRATION GROOVE WELD DETAIL

NOTES:

1. THIS DRAWING PROVIDES BASIC DETAILS FOR CCTV POLES. PROJECT REQUIREMENTS MAY REQUIRE SPECIAL FACTORY PREPS THAT ARE NOT SHOWN ON THESE DETAILS.
2. DETAILS FOR INTERNAL CAMERA LOWERING SYSTEMS ARE NOT SHOWN.
3. POLE MOUNTED CABINETS MAY REQUIRE MODIFICATIONS TO THE LOWER HANDHOLE OPENING TO MOUNT CABINETS. 4" X 8" REINFORCED HANDHOLES ARE ACCEPTABLE OPTIONS, AND MAY BE PREFERRED.
4. OPENING IN POLE BASE SHALL BE EQUAL TO POLE BASE INSIDE DIAMETER MINUS 3½" BUT SHALL NOT BE LESS THAN 8½".
5. USE COMPACT SECTION CRITERIA D/T RATIO PER AASHTO LTS-LRFD 1ST EDITION SECTION 5.7.2.

Prepared in the Offices of:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy.Garner,NC 27529

SCALE
0 NA
NONE

Typical Fabrication Details For CCTV Poles

PLAN DATE:	SEPTEMBER 2023	DESIGNED BY:	K.C. DURIGON
PREPARED BY:	K.C. DURIGON	REVIEWED BY:	C.F. ANDREWS

REVISIONS	INIT.	DATE

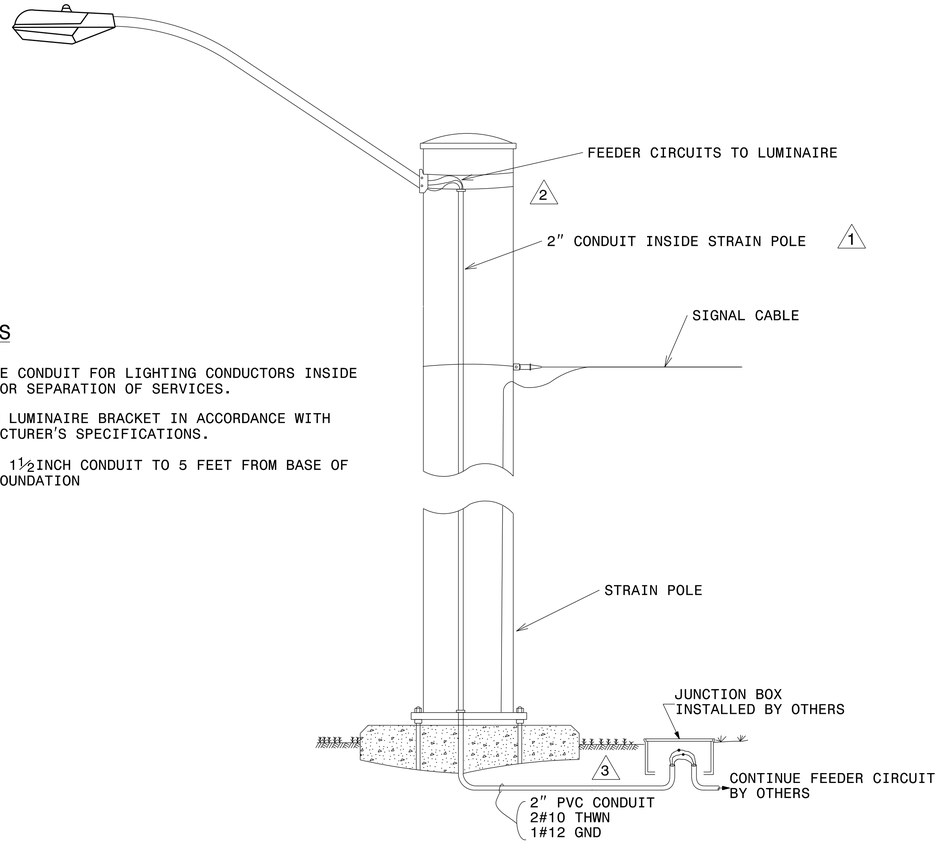
SEAL
NORTH CAROLINA PROFESSIONAL SEAL 036626 ENGINEER KEVIN C. DURIGON

DocuSigned by:
Kevin Durigon
SIGNATURE
4B23DC79B3784DA...
09/21/2023
DATE

03-OCT-2023 12:51
S:\HITSSUP\ITS\Signals\Signal Design Section\Structures\Drawings\2024 Metal Pole Std Drawings for LRFD\2024 Sig.M9 Fabrication Details - CCTV Poles.dgn
kcdurigon

PROJECT REFERENCE NO.	SHEET NO.
U-5875	Sig. L1

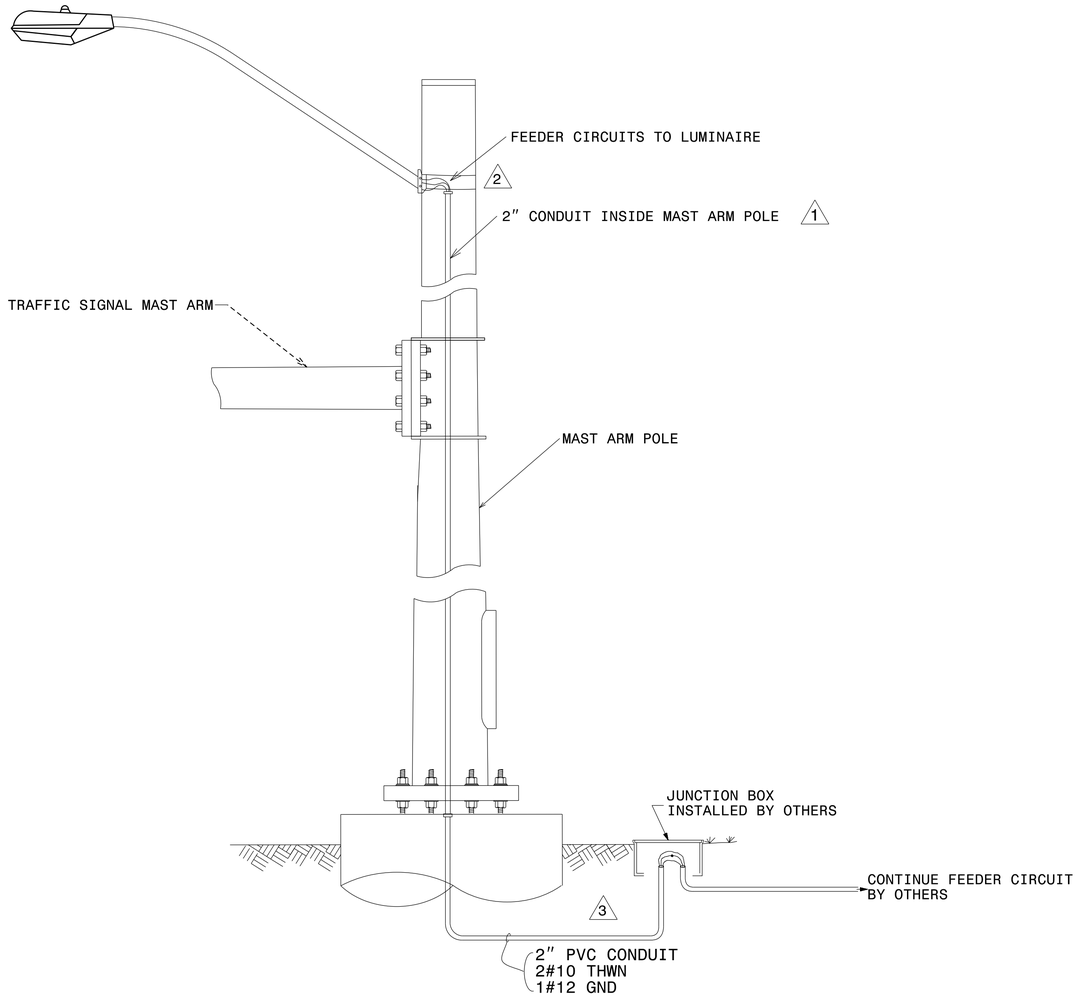
USE FOR LIGHTING CONSTRUCTION ONLY



NOTES

1. PROVIDE CONDUIT FOR LIGHTING CONDUCTORS INSIDE POLE FOR SEPARATION OF SERVICES.
2. ATTACH LUMINAIRE BRACKET IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. EXTEND 1½INCH CONDUIT TO 5 FEET FROM BASE OF POLE FOUNDATION

PROPOSED STRAIN POLES



PROPOSED MAST ARM POLES

$$$$SIGNATURE$$$$
$$$$SIGNATURE$$$$
$$$$DESIGNATION$$$$
$$$$USERNAME$$$$

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:
Transportation Mobility and Safety Division
North Carolina Department of Transportation
Signal Design Section
750 N.Greenfield Pkwy.Garner,NC 27529

RS&H
NC FIRM LICENSE No: F-0493
8521 SIX FORKS ROAD, SUITE 400
RALEIGH NC, 27615
(919) 926-4100

0 N/A
1"=N/A

POLES WITH SINGLE ARM LIGHT LUMINAIRE LAYOUT

Division 2 | Pitt County | Greenville

PLAN DATE:	July 2025	REVIEWED BY:	S.C. Haynie
PREPARED BY:	A.M. Kollar	REVIEWED BY:	

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE

DocuSigned by: Steven G. Haynie 7/15/2025
SIGNATURE DATE

Sig Inventory No.

PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-1

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
34	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

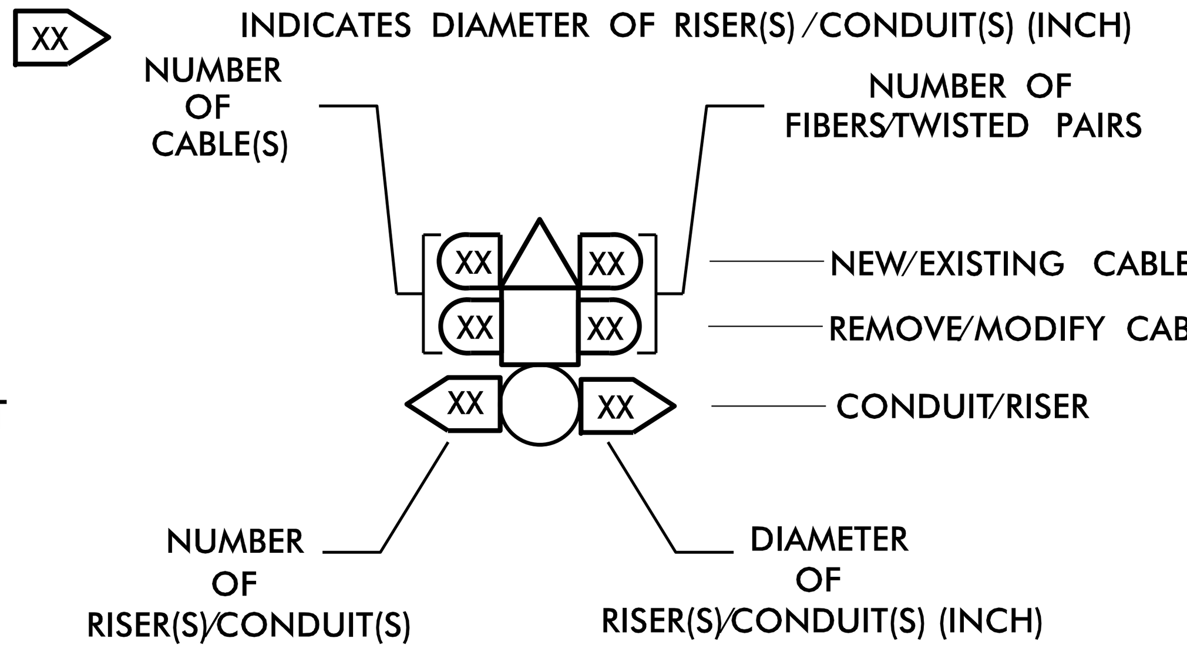
LEGEND

—— FO ——	NEW FIBER OPTIC COMMUNICATIONS CABLE
—— EXI ——	EXISTING COMMUNICATIONS CABLE
—— REM ——	EXISTING COMMUNICATIONS CABLE TO BE REMOVED
————	NEW AERIAL GUY ASSEMBLY
▬ ▪ ▬ ▪ ▬	NEW CONDUIT
▬ ▬ ▬ ▬	EXISTING CONDUIT
—— DD ——	NEW DIRECTIONAL DRILLED CONDUIT

NEW		EXISTING
□	OVERSIZED JUNCTION BOX	■
○	WOOD POLE	●
S	AERIAL SPLICE ENCLOSURE	S
S	UNDERGROUND SPLICE ENCLOSURE	S
◙	METAL POLE	◙
▷□	CCTV ASSEMBLY	▶■
	STANDARD GUY ASSEMBLY	
	SIDEWALK GUY ASSEMBLY	
	CABLE STORAGE RACKS (SNOW SHOES)	
⊠	SIGNAL/EQUIPMENT CABINET	⊠
S	SPLICE CABINET	S
	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 SYMBOLOGY KEY

XX	INDICATES NUMBER OF CABLES, LOOPS, ETC.
XX	INDICATES NUMBER OF FIBERS PER CABLE, TWISTED PAIRS PER CABLE, ETC.
XX	INDICATES NUMBER OF RISER(S)/CONDUIT(S)
XX	INDICATES DIAMETER OF RISER(S)/CONDUIT(S) (INCH)



ATTACHMENT POINT:

XX″/SS over YYY	DISTANCE ABOVE (IN)/ATTACHMENT POINT REFERENCE POINT
YYY over XX″/SS	REFERENCE POINT DISTANCE BELOW (IN)/ATTACHMENT POINT

"SS" REFERENCE LOCATION	
FS =	FRONT SIDE OF POLE
BS =	BACK SIDE OF POLE

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Prepared for the Offices of:
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Allen Road Widening from Stantonsburg Road to US 13 Signal System Construction Notes

DIVISION 2 PITT COUNTY GREENVILLE

PLAN DATE: July 2025	REVIEWED BY: S.G. Haynie
PREPARED BY: A.M. Kollar	REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE

DocuSigned by:
Steven G. Haynie 7/15/2025
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ROADWAY STANDARD DRAWINGS

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

STD.NO.		TITLE
1700.01	....	ELECTRICAL SERVICE OPTIONS
1700.02	....	ELECTRICAL SERVICE GROUNDING
1705.01	....	SIGNAL HEADS – VEHICULAR SIGNAL HEADS
1705.02	....	SIGNAL HEADS – PEDESTRIAN ASSEMBLIES
1705.03	....	SIGNAL HEADS – WIRE COLOR CONVENTIONS
1715.01	....	UNDERGROUND CONDUIT – TRENCHING
1716.01	....	JUNCTION BOXES
1721.01	....	GUY ASSEMBLIES
1725.01	....	INDUCTIVE DETECTION LOOPS
1730.01	....	FIBER–OPTIC CABLE – SPARE CABLE STORAGE
1743.01	....	PEDESTALS
1743.02	....	PEDESTALS – NORMAL DUTY TYPE II
1743.03	....	PEDESTALS – HEAVY DUTY TYPE III
1743.04	....	PEDESTALS – FOUNDATIONS
1751.01	....	CONTROLLERS AND CABINETS – CABINET COMPONENT LAYOUT

GENERAL NOTES

1. FOR SIGNALS WITH ASC/3 CONTROLLERS, CONTACT THE GREENVILLE TRAFFIC ENGINEER AT (252) 329–4066 FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM. NOTIFY THE 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.

   FOR SIGNALS WITH MAXTIME CONTROLLERS, CONTACT THE NCDOT DIVISION 2 TRAFFIC ENGINEER AT (252) 439–2829 FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM TO ARRANGE FOR THE 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 DIVISION 2 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 OPERATIONAL.

2. CONTRACTOR TO RECORD EXISITNG 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 SPLICE DETAILS.

3. ACTUAL CONDITIONS IN THE FIELD AT THE TIME OF CONSTRUCTION MAY BE DIFFERENT FROM THOSE SHOWN IN THE PLANS.

4. THE FIELD LOCATION OF ANY ITEM TO BE INSTALLED AS PART OF THIS PROJECT SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

5. NEW TRAFFIC SIGNAL CONTROLLER CABINETS ARE SPECIFIED ON THE SIGNAL PLANS.

6. BURIED UTILITIES AND STRUCTURES: PIPELINES, STORM SEWERS, POWER CABLES, UTILITY CABLES, AND OTHER PUBLICLY AND PRIVATELY OWNED UNDERGROUND OBSTRUCTIONS EXIST ADJACENT TO AND WITHIN THE STREET RIGHT–OF–WAY WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT. INVESTIGATE THE LOCATION OF SUCH BURIED UTILITIES AND STRUCTURES WITH PUBLIC AND PRIVATE UTILITIES.

7. THE ROADWAY STANDARD DRAWINGS AND THE DETAILS PROVIDED IN THIS PLAN SHEET SHALL ALL APPLY TO ALL WORK REQUIRED IN THIS PROJECT, WHETHER A PARTICULAR DETAIL IS SPECIFICALLY REFERENCED TO A WORK ITEM OR NOT. IN THE EVENT OF A CONFLICT, THE ORDER OF PRECEDENCE SHALL BE: THE PROJECT SPECIAL PROVISIONS, THE PLAN SET – INCLUDING DETAILS – SUPPLEMENTAL SPECIFICATIONS, THE STANDARD SPECIFICATIONS, AND THEN THE ROADWAY STANDARD DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING THE PROPER DETAILS.

8. ANY OF THE CONTRACTOR'S WORK ACTIVITIES WHICH IMPACT ANY UTILITY FACILITY SHALL BE COORDINATED WITH THE OWNER OF THE AFFECTED UTILITIES. THE CONTRACTOR SHALL FOLLOW ANY AND ALL WORK PROCEDURES THE UTILITY OWNERS MAY REQUIRE.

9. ALL WORK SHOWN ON THESE PLANS SHALL BE PERFORMED BY THE CONTRACTOR UNLESS SPECIFICALLY NOTED TO BE PERFORMED BY OTHERS.

ABBREVIATIONS

AGUY	Aerial Guy
ARLT	Area Light
BS	Backside Attachment
BSP	Brightspeed (Telecommunications/Internet)
CONT	Conterra (Telecommunications)
COG	City of Greenville
DL	Drip Loop
DRP	Drop
ELEC	Electric
EXI	Existing Communications Cable
FO	Fiber Optic
FS	Front Side Attachment
GUC	Greenville Utility Commission (Electric)
IMC	Intermediate Metallic Cable
LIC	Lead–In Cable (Detector)
MCNC	Microelectronics Center of North Carolina (Telecommunications)
MET	Metronet (Internet)
MSGR	Messenger
NCDOT	North Carolina Department of Transportation
NEU	Neutral
OH	Overhead
OPT	OPTIMUM (CATV)
OWS	Open Wire Secondary
PWR	Power
RSR	Riser
SAME	Same Elevation/Attachment Height
SEC	Secondary Power
SGRSR	Signal Riser
SIG	Signal Span
SP	Signal Pole
SO	Standoff
STLT	Streetlight
SVRSR	Service Riser
TEL	Telephone
TFMR	Transformer
TOP	Top of Pole
TRI	Triplex
UG	Underground
UNK	Unknown
X ANY	Crossing Line, where "Any" is the abbreviation for the overhead line that is crossing existing/proposed cable route

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Prepared for the Offices of:
Transportation Mobility and Safety Division — State of North Carolina Department of Transportation — Intelligent Transportation Systems Section
750 N.Greenfield Pkwy.Garner,NC 27529

Allen Road Widening
from Stantonsburg Road to US 13
Signal System/ General Notes/Abbreviations/Std. Dwgs.

DIVISION 2 PITT COUNTY GREENVILLE

PLAN DATE:	July 2025	REVIEWED BY:	S.G. Haynie
PREPARED BY:	A.M. Kollar	REVIEWED BY:	

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE

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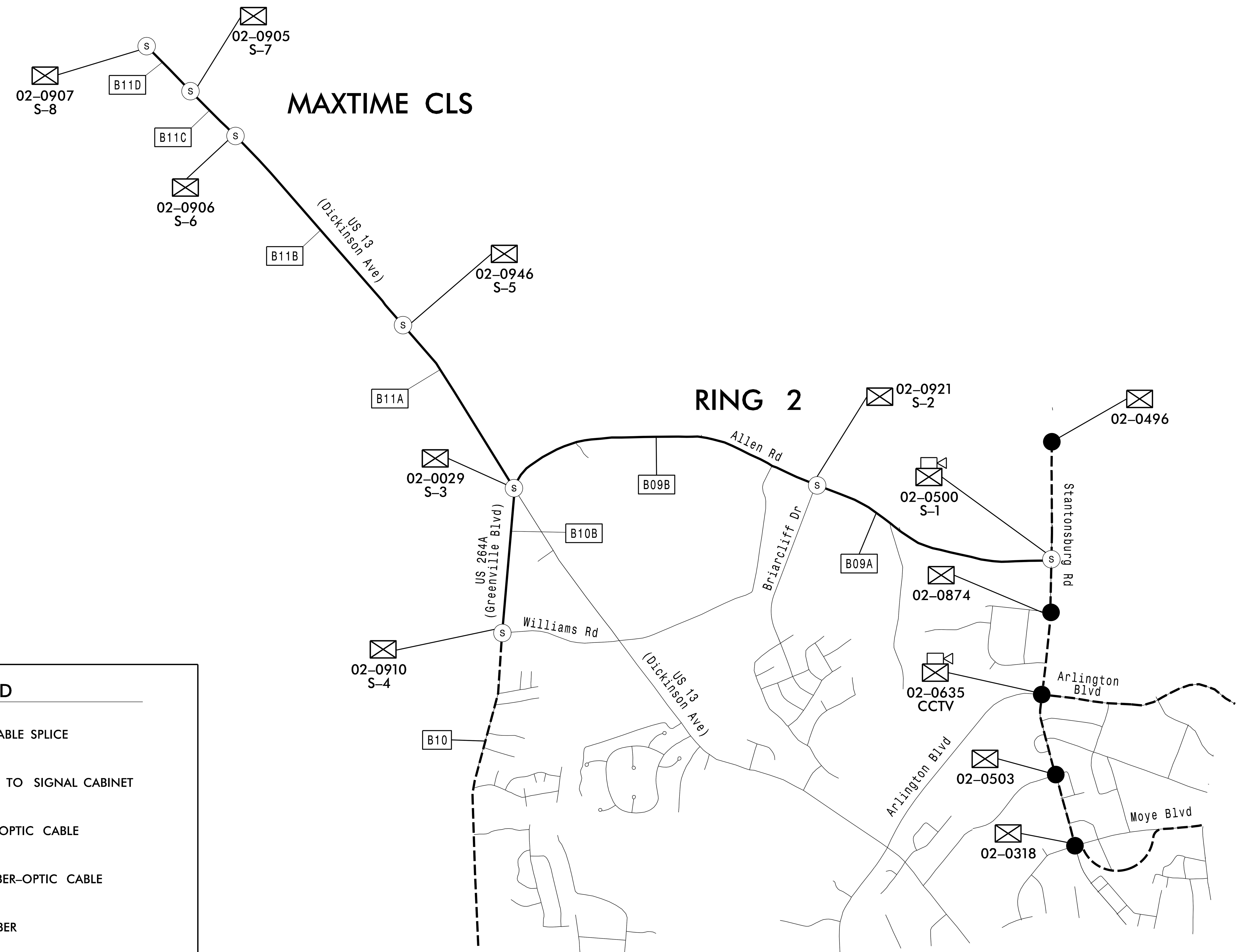
U-5875	SCP-3

GREENVILLE SIGNAL SYSTEM RINGS DETAIL



LEGEND

Symbol	Description
(S)	CABLE-TO-CABLE SPLICE
● ⊠	DROP SPLICE TO SIGNAL CABINET
———	NEW FIBER-OPTIC CABLE
- - - -	EXISTING FIBER-OPTIC CABLE
S-###	SPLICE NUMBER
02-####	STATE SIGNAL INVENTORY NUMBER

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Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section
750 N.Greenfield Pkwy,Garner,NC 27529

Allen Road Widening
Fiber-Optic Ring Schematic
Rings Detail

DIVISION 2 PITT COUNTY GREENVILLE

PLAN DATE:	July 2025	REVIEWED BY:	S.G. Haynie
PREPARED BY:	A.M. Kollar	REVIEWED BY:	____________

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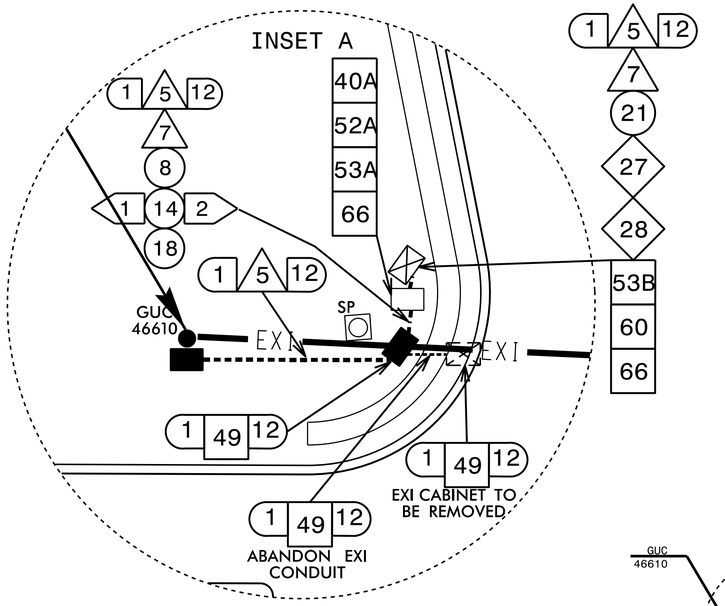
PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-4

NOTES

1. NOTIFY THE GREENVILLE TRAFFIC ENGINEER AT (252) 329-4066 FIVE (5) DAYS PRIOR TO BEGINNING WORK ON SIGNAL SYSTEM COMMUNICATIONS CABLE. NOTIFY THE TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. ALL 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 SPLICE DETAILS.
3. NEW 48-FIBER CABLE TO 02-0921 TO BE LEFT CAPPED AND COILED IN THE SPLICE TRAY FOR FUTURE SPLICING BY OTHERS. SEE SPLICE PLANS.



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Greenville Signal System Communications Cable and Conduit Routing Plans

DIVISION 2 | PITT COUNTY | GREENVILLE

PLAN DATE:	July 2025	REVIEWED BY:	S.G. Haynie
PREPARED BY:	A.M. Kollar	REVIEWED BY:	----------

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PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-5

1 / 4 / 48
47
56

MATCHLINE SHEET SCP-6

MATCHLINE SHEET SCP-4

SR 1203 (ALLEN ROAD)

CATV 12"

45
64

45

CATV 12"

NEW GUC JOINT USE POLE

CATV 12"

NEW GUC JOINT USE POLE

NEW GUC JOINT USE POLE

CATV 12"

NEW GUC JOINT USE POLE

FO

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Greenville Signal System Communications Cable and Conduit Routing Plans

DIVISION 2 | PITT COUNTY | GREENVILLE

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PREPARED BY:	A.M. Kollar	REVIEWED BY:	----------

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DATE PLOTTED: 7/15/2025

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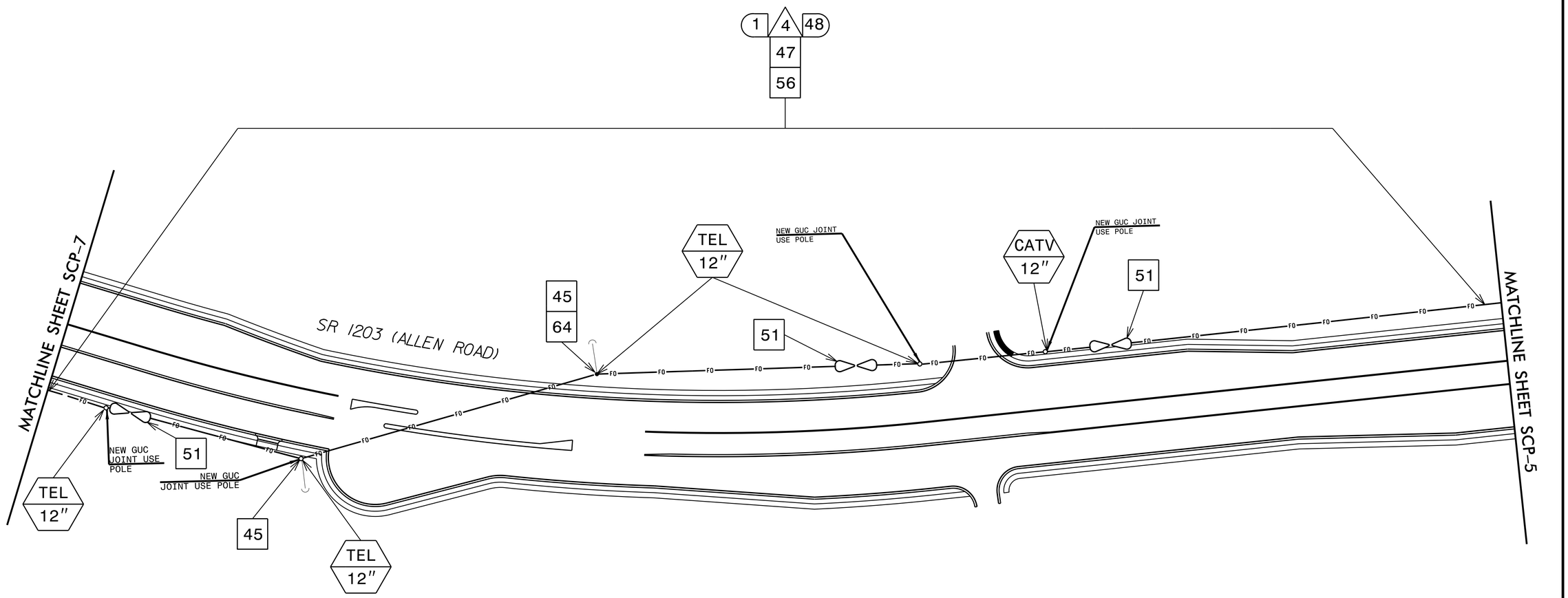

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Intelligent Transportation Systems Section
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Greenville Signal System Communications Cable and Conduit Routing Plans

DIVISION 2 PITT COUNTY GREENVILLE

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PREPARED BY:	A.M. Kollar	REVIEWED BY:	----------

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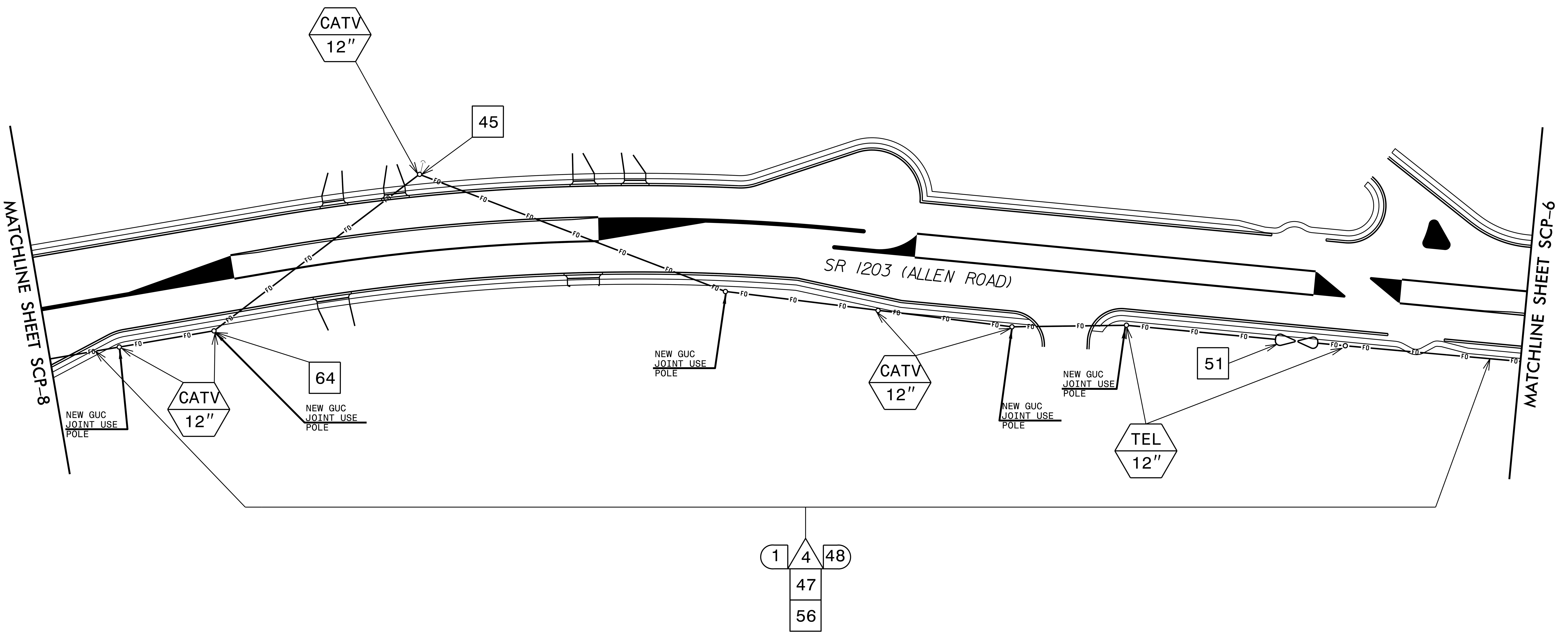

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Greenville Signal System Communications Cable and Conduit Routing Plans

DIVISION 2 PITT COUNTY GREENVILLE

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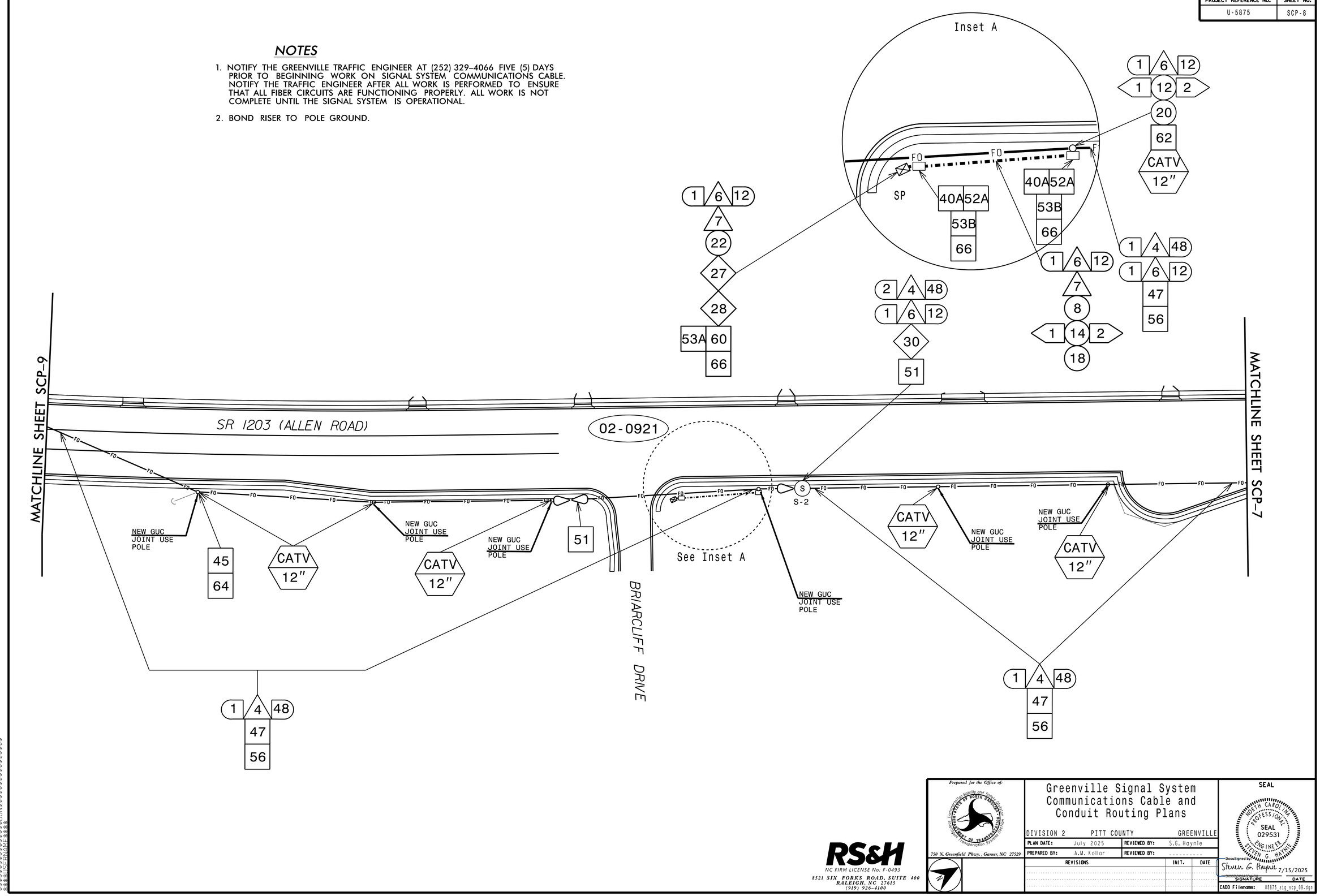
NOTES

1. NOTIFY THE GREENVILLE TRAFFIC ENGINEER AT (252) 329-4066 FIVE (5) DAYS PRIOR TO BEGINNING WORK ON SIGNAL SYSTEM COMMUNICATIONS CABLE. NOTIFY THE TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. ALL WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS OPERATIONAL.
2. BOND RISER TO POLE GROUND.



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Greenville Signal System Communications Cable and Conduit Routing Plans

DIVISION 2 PITT COUNTY GREENVILLE

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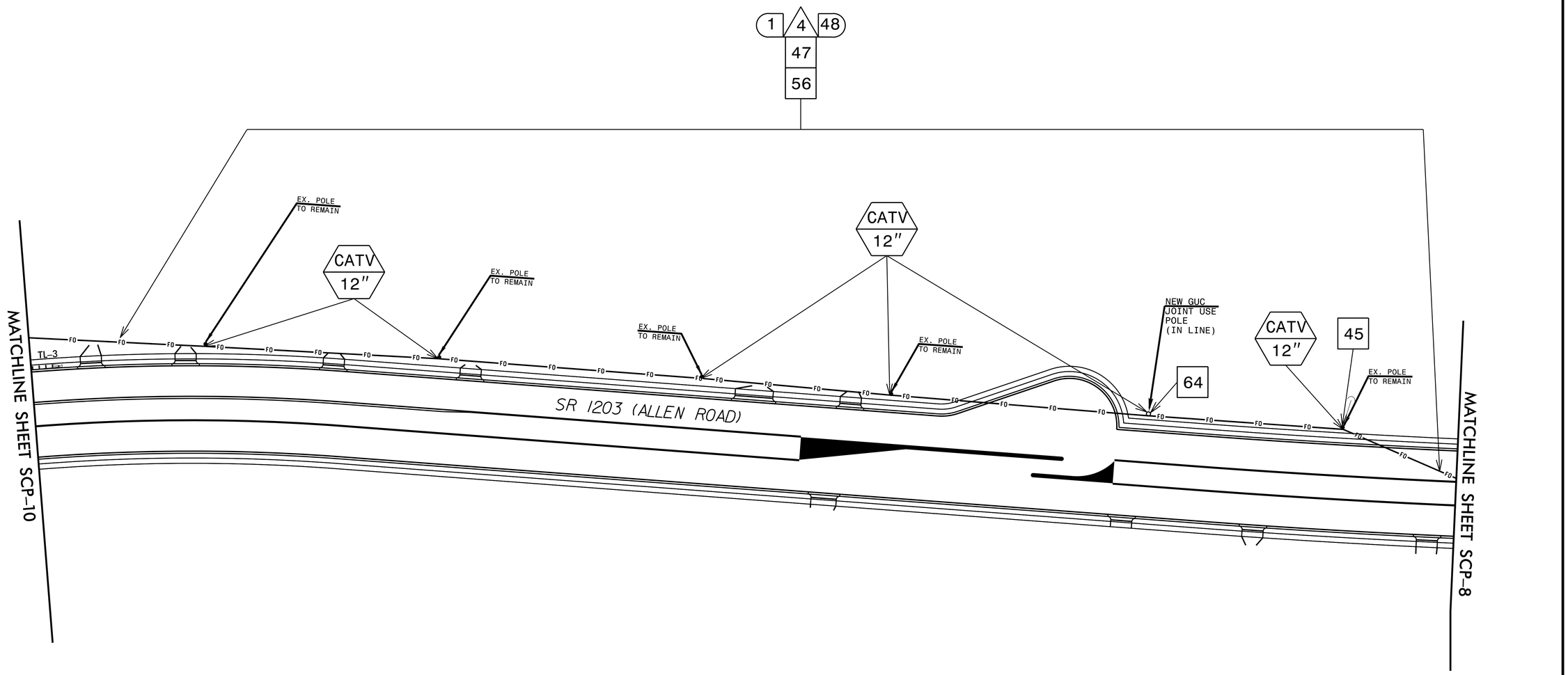

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Transportation Mobility and Planning Division
Integrated Mobility Division
Statewide Planning Section
750 N. Greenfield Pkwy., Garner, NC 27529

Greenville Signal System Communications Cable and Conduit Routing Plans

DIVISION 2 PITT COUNTY GREENVILLE

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PREPARED BY:	A.M. Kollar	REVIEWED BY:	----------

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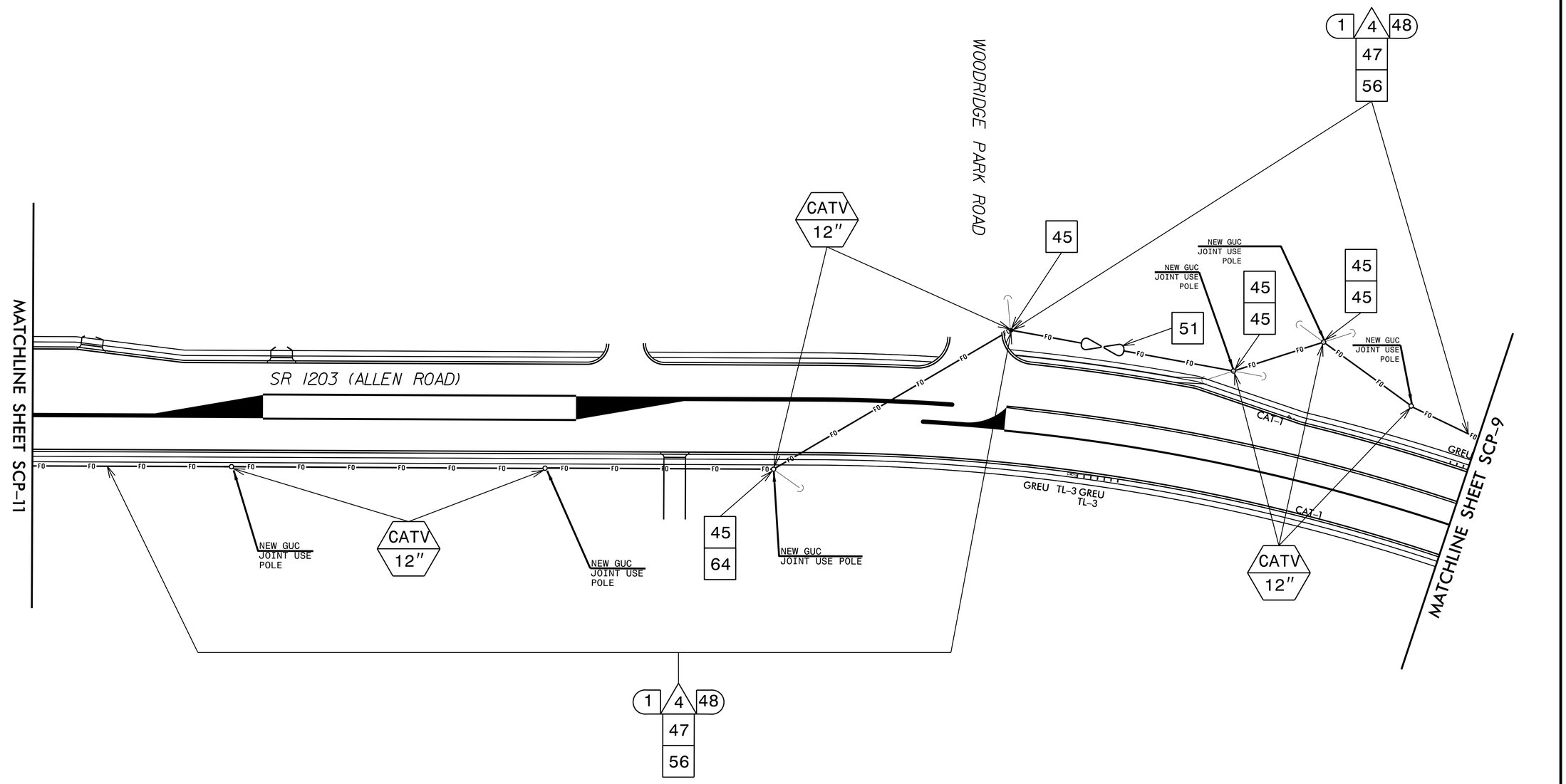

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DIVISION 2 | PITT COUNTY | GREENVILLE

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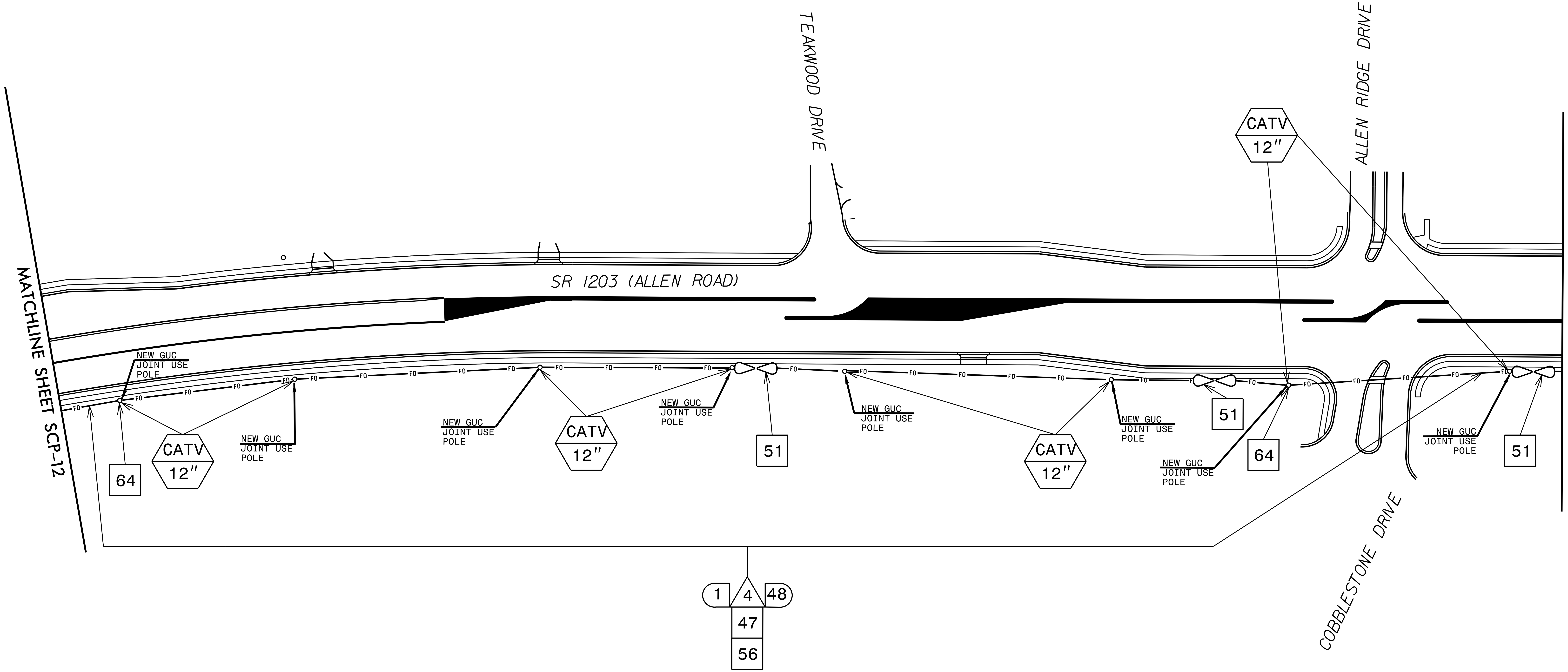

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Greenville Signal System
Communications Cable and
Conduit Routing Plans

DIVISION 2 PITT COUNTY GREENVILLE

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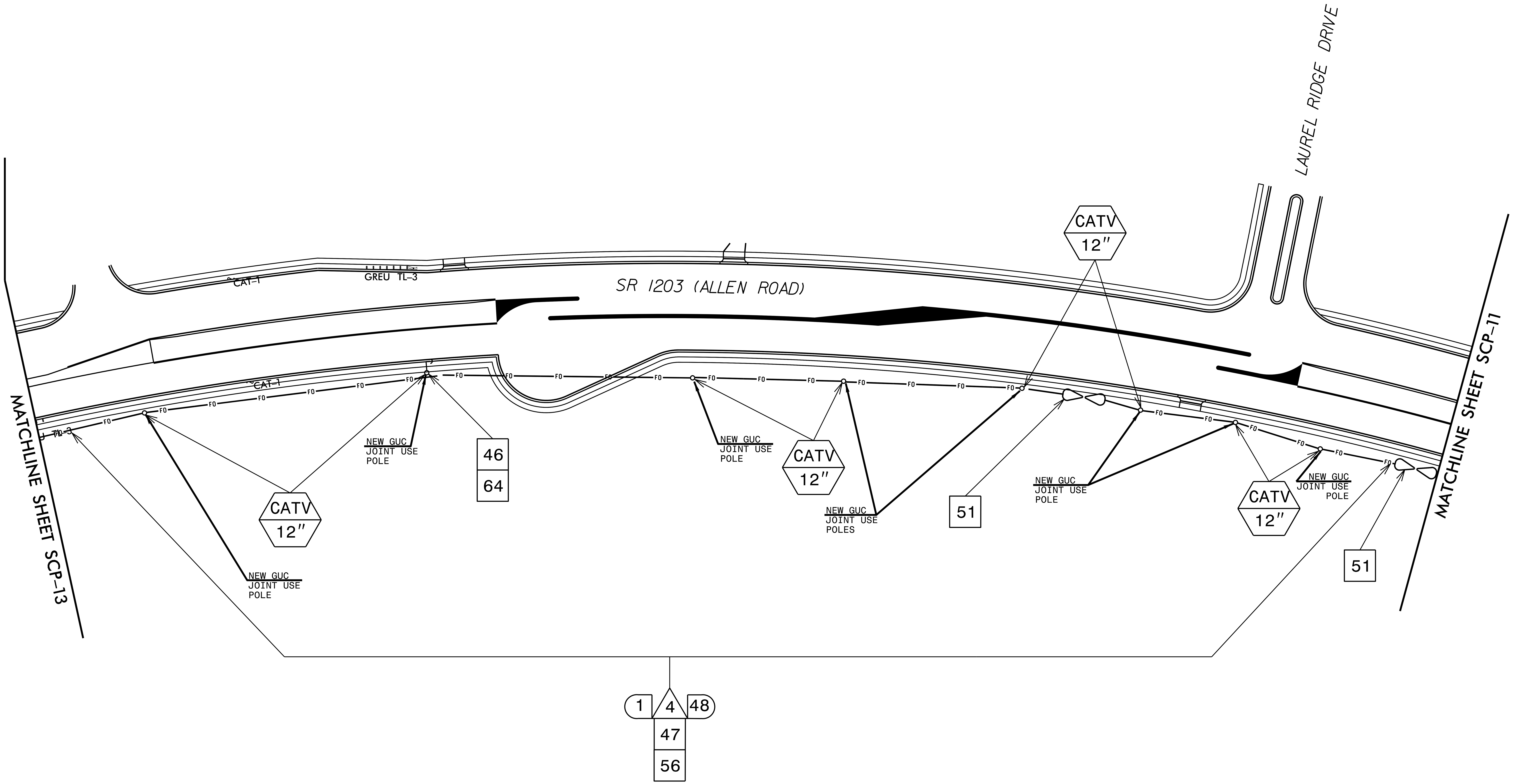

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8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
(919) 926-4100

Prepared for the Office of:
State of North Carolina Department of Transportation — Transportation Mobility and Safety Division — Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

Greenville Signal System Communications Cable and Conduit Routing Plans

DIVISION 2 PITT COUNTY GREENVILLE

PLAN DATE:	July 2025	REVIEWED BY:	S.G. Haynie
PREPARED BY:	A.M. Kollar	REVIEWED BY:	----------

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE

DocuSigned by:
Steven G. Haynie 7/15/2025
SIGNATURE DATE

CADD Filename: U5875_sig_scp_13.dgn

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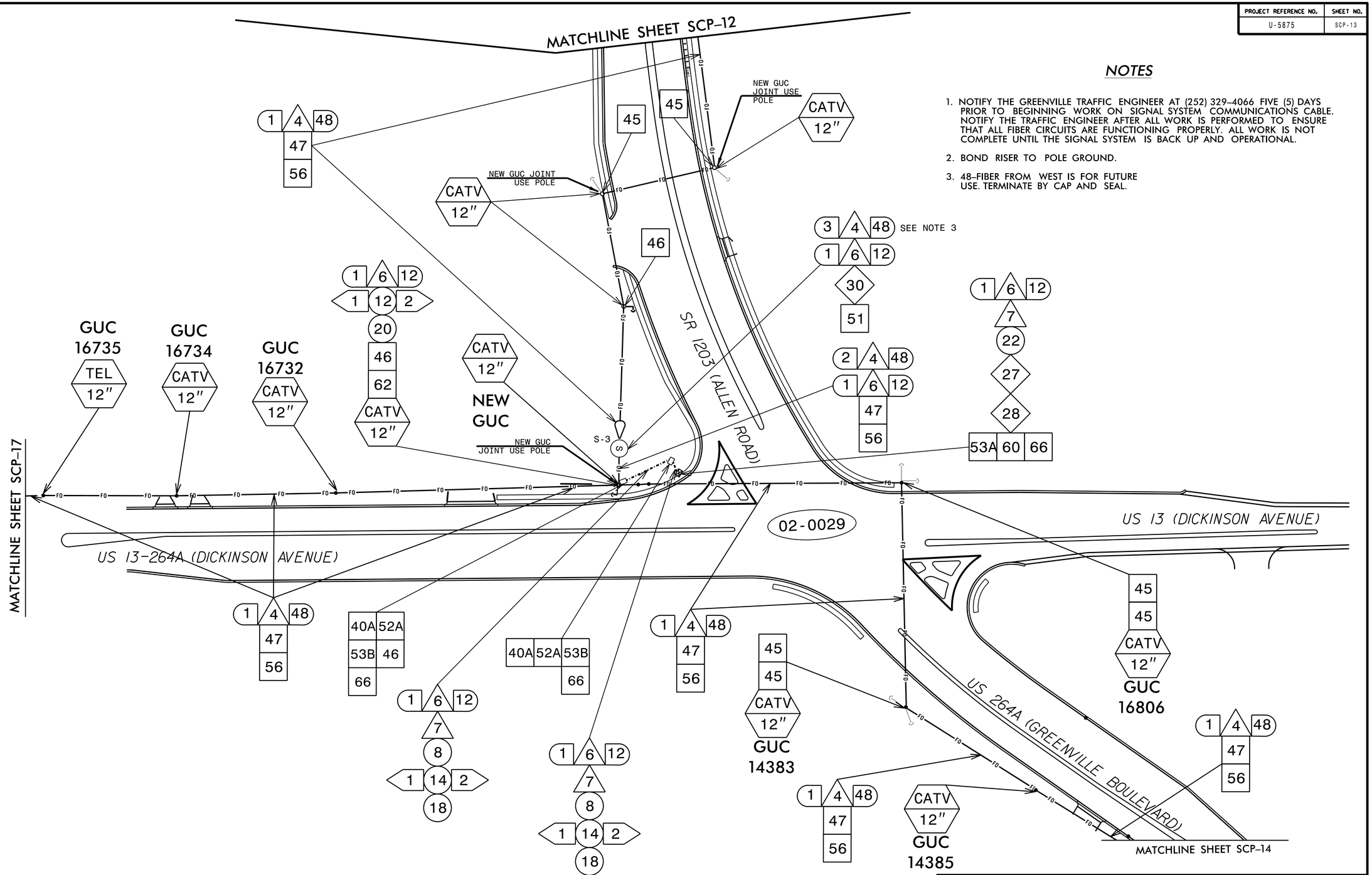
PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-13

MATCHLINE SHEET SCP-12

NOTES

1. NOTIFY THE GREENVILLE TRAFFIC ENGINEER AT (252) 329-4066 FIVE (5) DAYS PRIOR TO BEGINNING WORK ON SIGNAL SYSTEM COMMUNICATIONS CABLE. NOTIFY THE TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. ALL WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND OPERATIONAL.
2. BOND RISER TO POLE GROUND.
3. 48-FIBER FROM WEST IS FOR FUTURE USE. TERMINATE BY CAP AND SEAL.



Prepared for the Office of:
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Integrated Mobility Division
750 N. Greenfield Pkwy., Garner, NC 27529

RS&H
NC FIRM LICENSE No: F-0493
8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
(919) 926-4100

Greenville Signal System Communications Cable and Conduit Routing Plans

DIVISION 2 | PITT COUNTY | GREENVILLE

PLAN DATE: July 2025 | REVIEWED BY: S.G. Haynie
PREPARED BY: A.M. Kollar | REVIEWED BY: ----------

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE

DocuSigned by: Steven G. Haynie 7/15/2025
SIGNATURE DATE

CADD Filename: U5875_sig_scp_14.dgn

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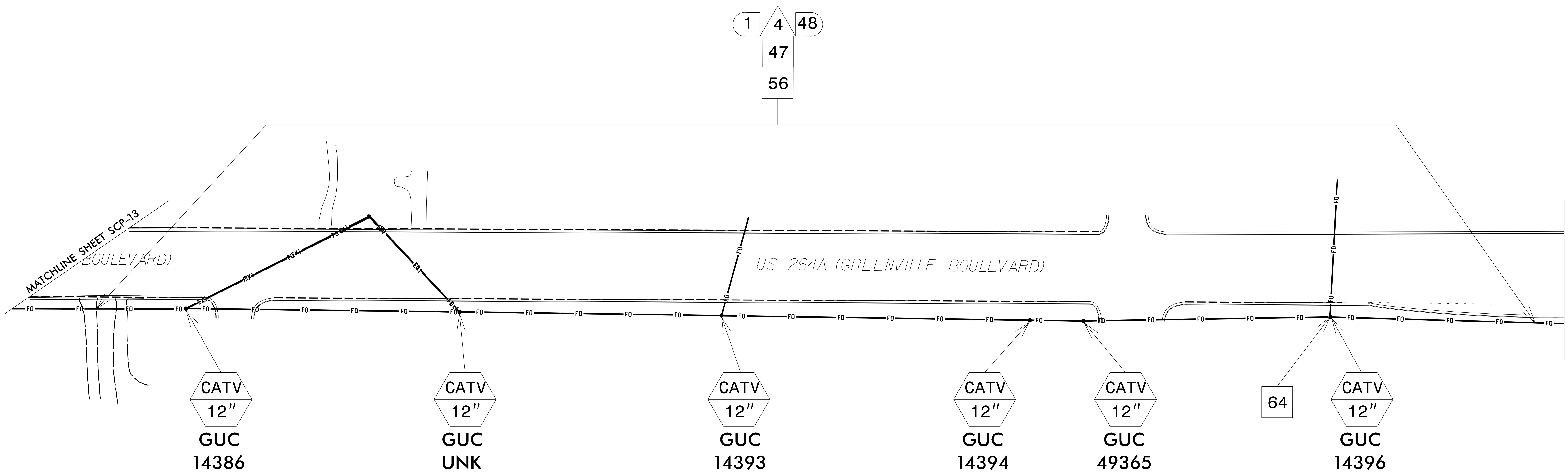
PLOT DATE=8/5/2025
PLOT SCALE=1.000000
PLOT USER=SGHAYNIE

PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-14



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$$$$USERNAME$$$$

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(919) 926-4100

Prepared for the Offices of:
Transportation Mobility and Safety Division
State of North Carolina Department of Transportation
Signal Design Section
750 N.Greenfield Pkwy.Garner.NC 27529

Greenville Signal System Communications Cable and Conduit Routing Plans

Division 02 | Pitt County | Greenville

PLAN DATE: July 2025	REVIEWED BY: S.G. Haynie
PREPARED BY: A.M. Kollar	REVIEWED BY: ____________

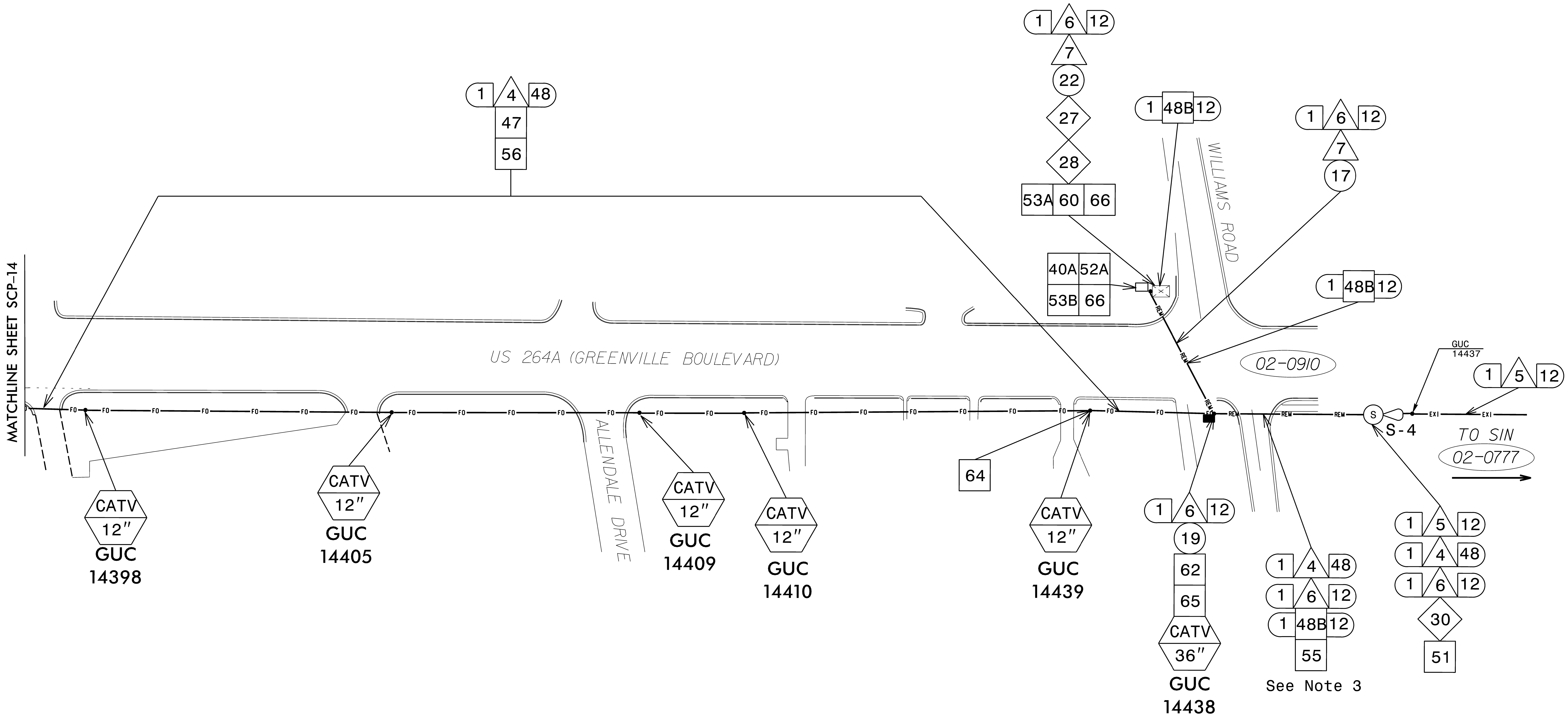
REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE

DocuSigned by:
Steven G. Haynie 7/15/2025
SIGNATURE DATE

Sig. Inventory No. U-5875_sig_scp_15.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-15



NOTES

1. NOTIFY THE GREENVILLE TRAFFIC ENGINEER AT (252) 329–4066 FIVE (5) DAYS PRIOR TO BEGINNING WORK ON SIGNAL SYSTEM COMMUNICATIONS CABLE. NOTIFY THE TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. ALL 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 SPLICE DETAILS.

3. DISCONNECT AND REMOVE EXI 12–FIBER CABLE FROM EXI SIG CABINET TO POLE GUC 14437. INSTALL NEW SPLICE ENCLOSURE, S–4, AND ROUTE NEW 12–FIBER DROP FROM NEW SPLICE ENCLOSURE, S–4, TO SIGNAL CABINET.

$$$$$$SYSTIME$$$$$
$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$
$$$USERNAME$$$$

RS&H
NC FIRM LICENSE No: F-0493
8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
(919) 926-4100

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Prepared for the Offices of:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy.Garner,NC 27529

Greenville Signal System Communications Cable and Conduit Routing Plans

Division 02 Pitt County Greenville

PLAN DATE:	July 2025	REVIEWED BY:	S.G. Haynie
PREPARED BY:	A.M. Kollar	REVIEWED BY:	

SCALE 0 50 1″=50′

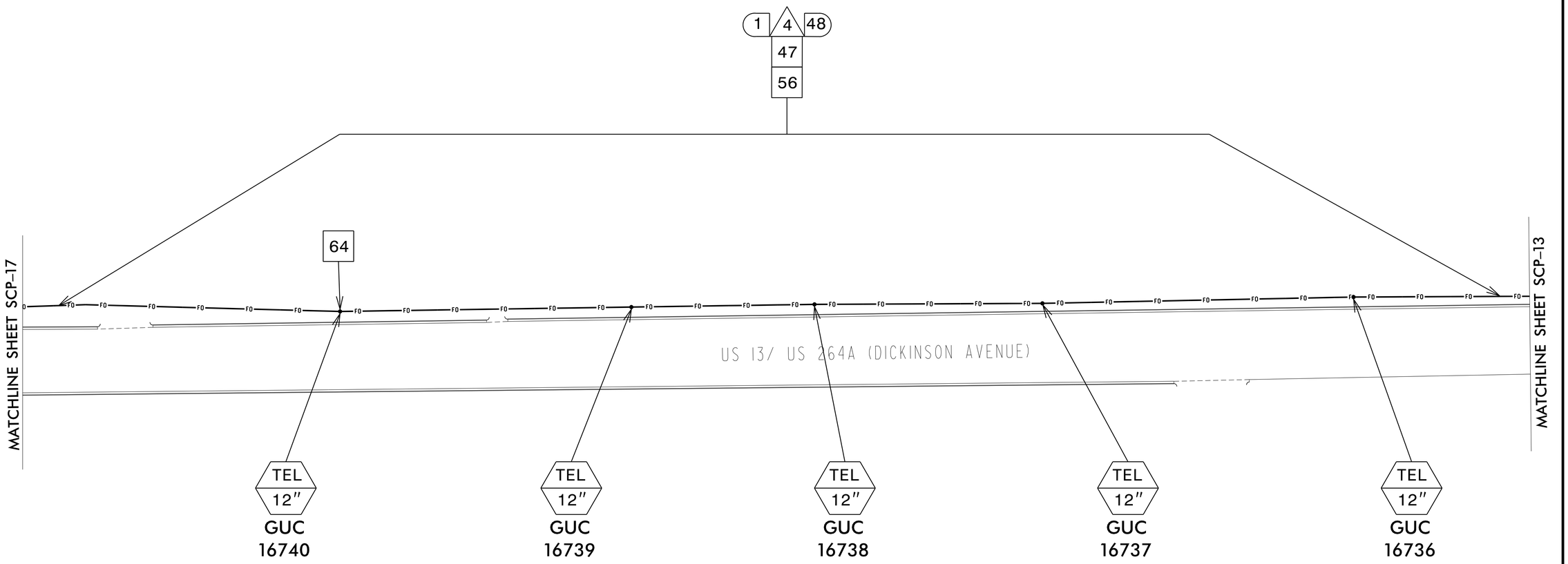
REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE

DocuSigned by: Steven G. Haynie 7/15/2025
SIGNATURE DATE

Sig. Inventory No. U-5875_sig_scp_16.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-16



$$$$USERNAME$$$$
$$$$SYSTIME$$$$
$$$$SYSTIME$$$$
$$$$DGNFILE$$$$

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Prepared for the Offices of:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy.Garner,NC 27529

RS&H
NC FIRM LICENSE No: F-0493
8521 SIX FORKS ROAD, SUITE 400
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Greenville Signal System Communications Cable and Conduit Routing Plans

Division 02 | Pitt County | Greenville

PLAN DATE: July 2025 | REVIEWED BY: S.G. Haynie

PREPARED BY: A.M. Kollar | REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE

DocuSigned by: Steven G. Haynie 7/15/2025
DATE

Sig. Inventory No.U-5875_sig_scp_17.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-17

1 4 48
47
56

64

MATCHLINE SHEET SCP-18

MATCHLINE SHEET SCP-16

US 13/ US 264A (DICKINSON AVENUE)

FO

CATV 12" GUC 16751

CATV 12" GUC 16749

CATV 12" GUC 16748

CATV 12" GUC 16747

CATV 12" GUC 16746

CATV 12" GUC 16745

CATV 12" GUC 16744

CATV 12" GUC 16743

$$$$USERNAME$$$$
$$$$DATE$$$$
$$$$TIME$$$$

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy.Garner,NC 27529

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NC FIRM LICENSE No: F-0493
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RALEIGH, NC 27615
(919) 926-4100

Greenville Signal System Communications Cable and Conduit Routing Plans

Division 02 Pitt County Greenville

PLAN DATE: July 2025 REVIEWED BY: S.G. Haynie

PREPARED BY: A.M. Kollar REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G HAYNIE

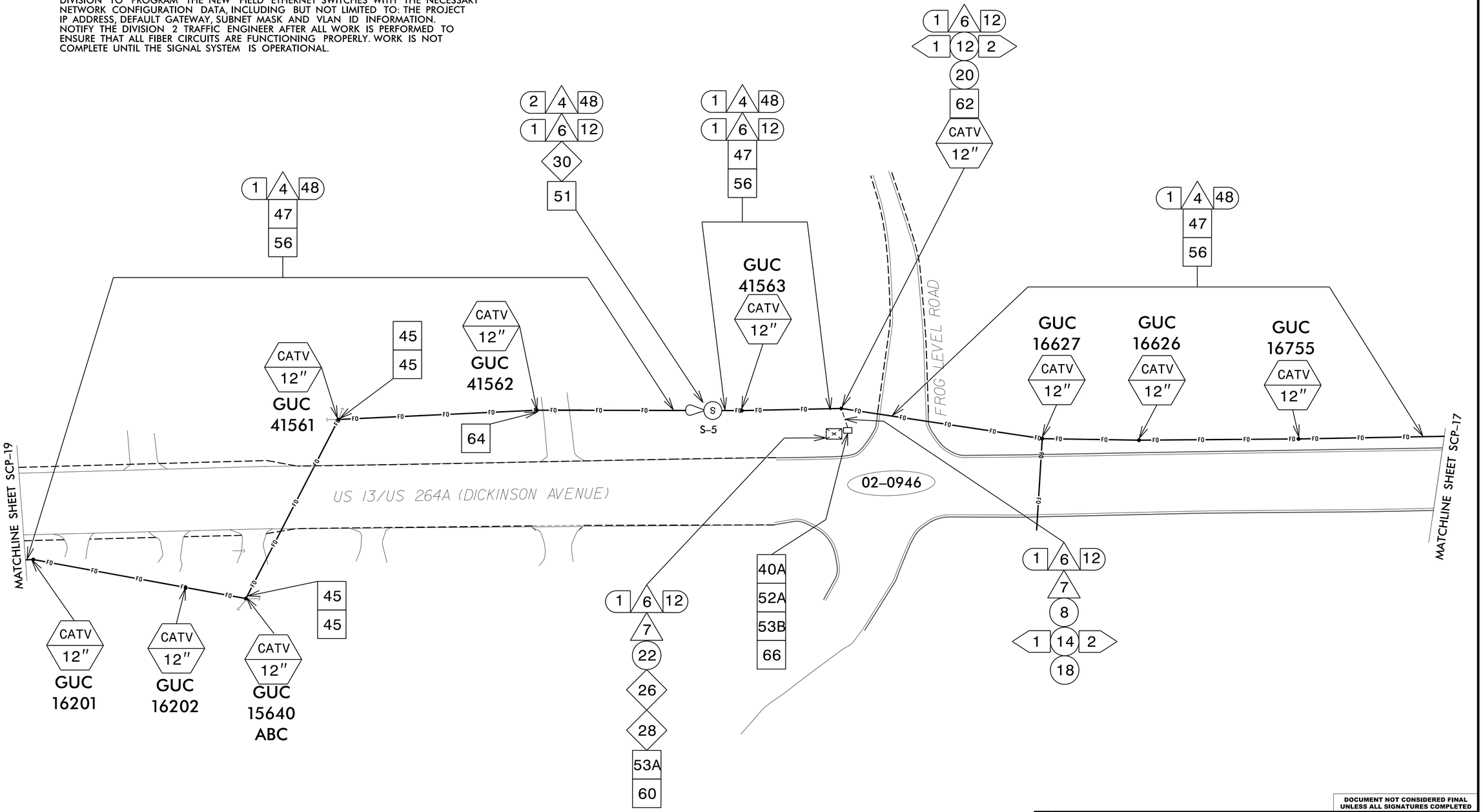
DocuSigned by: Steven G. Haynie 7/15/2025
DE33DC0A5D4488...
SIGNATURE DATE

Sig. Inventory No.U-5875_sig_scp_18.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-18

NOTES

1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE NCDOT DIVISION 2 TRAFFIC ENGINEER AT (252) 439-2829 TO ARRANGE FOR THE 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 DIVISION 2 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 OPERATIONAL.



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Prepared for the Offices of:
Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Signal Design Section
750 N.Greenfield Pkwy,Garner,NC 27529

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Greenville Signal System Communications Cable and Conduit Routing Plans

Division 02 Pitt County Greenville

PLAN DATE:	July 2025	REVIEWED BY:	S.G. Haynie
PREPARED BY:	A.M. Kollar	REVIEWED BY:	

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE
DocuSigned by: Steven G. Haynie 7/22/2025
SIGNATURE DATE

Sig. Inventory No. U-5875_sig_scp_19.dgn

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PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-19

1 4 48
47
56

MATCHLINE SHEET SCP-20

64

US 13/ US 264A (DICKINSON AVENUE)

MATCHLINE SHEET SCP-18

FO

CATV 12" GUC 16176

CATV 12" GUC 16175

CATV 12" GUC 16180

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CATV 12" GUC 16193

CATV 12" GUC 16197

CATV 12" GUC 16198

CATV 12" GUC 16200

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$$$$TIME$$$$

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Prepared for the Offices of:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy.Garner,NC 27529

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NC FIRM LICENSE No: F-0493
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RALEIGH, NC 27615
(919) 926-4100

Greenville Signal System Communications Cable and Conduit Routing Plans

Division 02 Pitt County Greenville

PLAN DATE:	July 2025	REVIEWED BY:	S.G. Haynie
PREPARED BY:	A.M. Kollar	REVIEWED BY:	

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE

DocuSigned by: Steven G. Haynie 7/15/2025
SIGNATURE DATE

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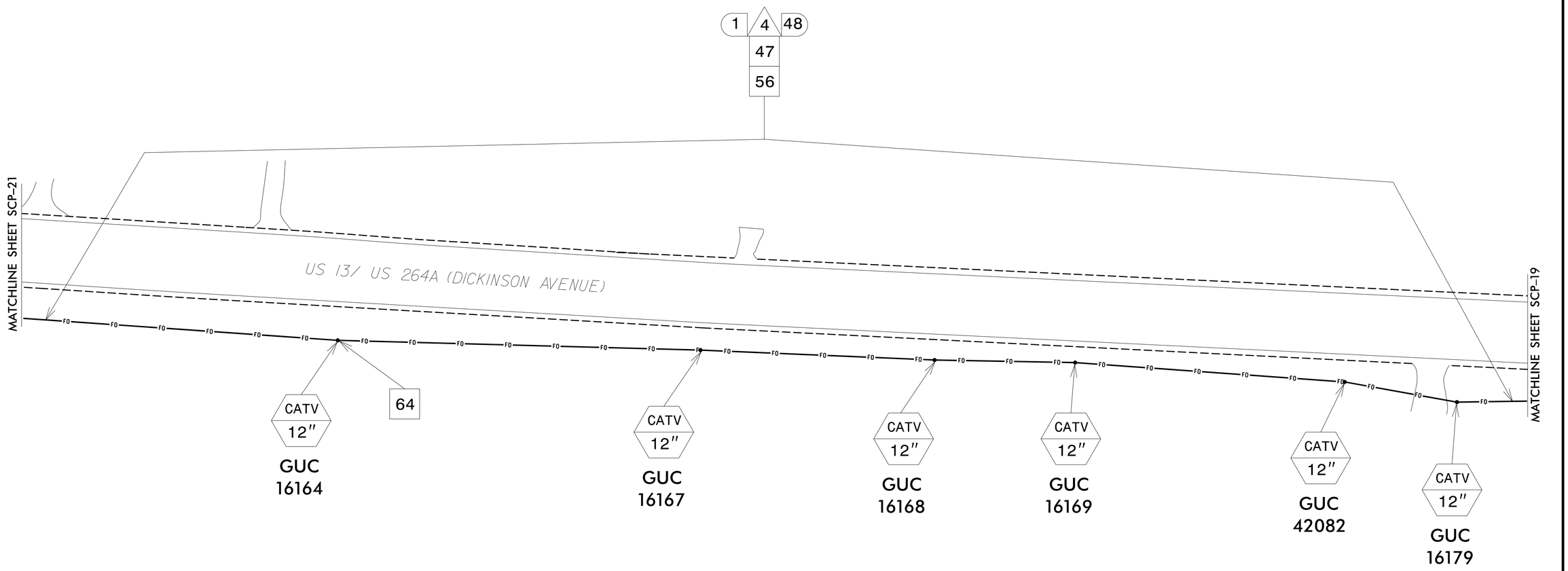
PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-20



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$$$$SYSTIME$$$$
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Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Signal Design Section
750 N.Greenfield Pkwy.Garner,NC 27529

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NC FIRM LICENSE No: F-0493
8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
(919) 926-4100

Greenville Signal Systems Communications Cable and Conduit Routing Plans

Division 02 Pitt County Greenville

PLAN DATE:	July 2025	REVIEWED BY:	S.C. Haynie
PREPARED BY:	A.M. Kollar	REVIEWED BY:	

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE

DocuSigned by: Steven G. Haynie 7/15/2025
DESIGNED SIGNATURE DATE

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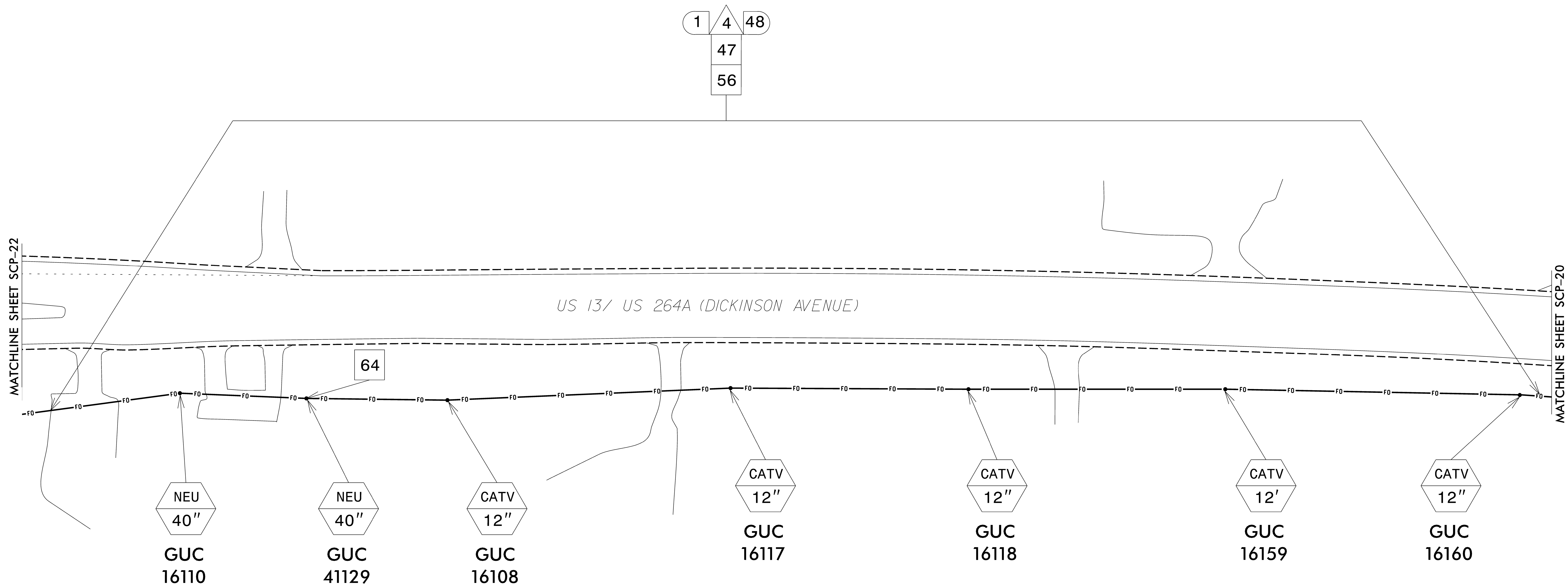
PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-21



$$$$$SYSTIME$$$$$
$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

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NC FIRM LICENSE No: F-0493
8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
(919) 926-4100

Prepared for the Offices of:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy.Garner.NC 27529

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Greenville Signal System
Communications Cable and
Conduit Routing Plans

Division 02 Pitt County Greenville

PLAN DATE:	July 2025	REVIEWED BY:	S.G. Haynie
PREPARED BY:	A.M. Kollar	REVIEWED BY:	

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE

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Steven G. Haynie 7/15/2025
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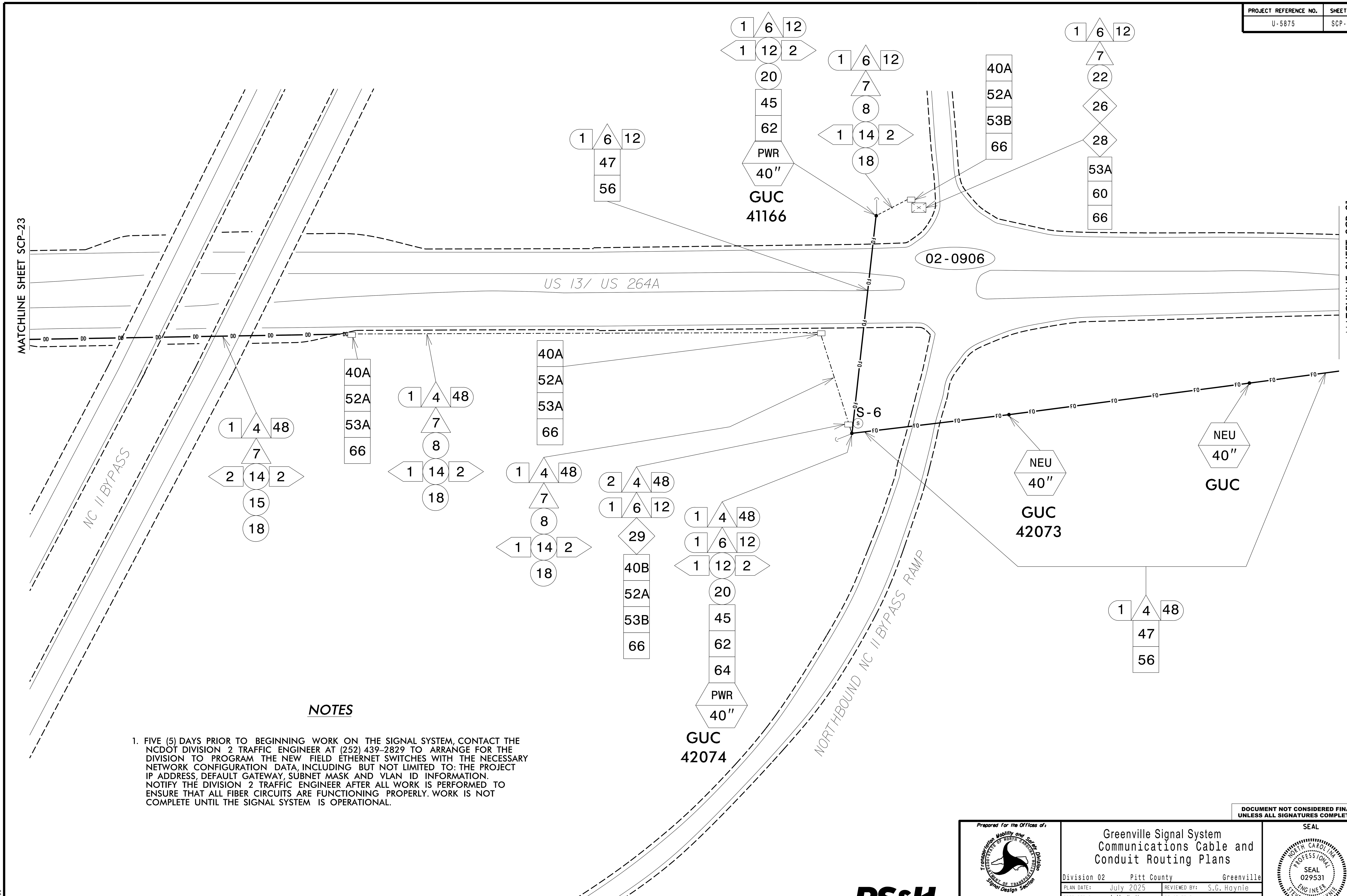
SIGNATURE DATE

Sig. Inventory No.U-5875_sig_scp_22.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-22



NOTES

1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE NCDOT DIVISION 2 TRAFFIC ENGINEER AT (252) 439–2829 TO ARRANGE FOR THE 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 DIVISION 2 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 OPERATIONAL.

$$$$$SYSTIME$$$$$
$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

RS&H
NC FIRM LICENSE No: F-0493
8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
(919) 926-4100

Prepared for the Offices of:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy.Garner.NC 27529

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Greenville Signal System Communications Cable and Conduit Routing Plans

Division 02 Pitt County Greenville

PLAN DATE: July 2025	REVIEWED BY: S.G. Haynie
PREPARED BY: A.M. Kollar	REVIEWED BY:

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE

DocuSigned by: Steven G. Haynie 7/15/2025
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SIGNATURE DATE

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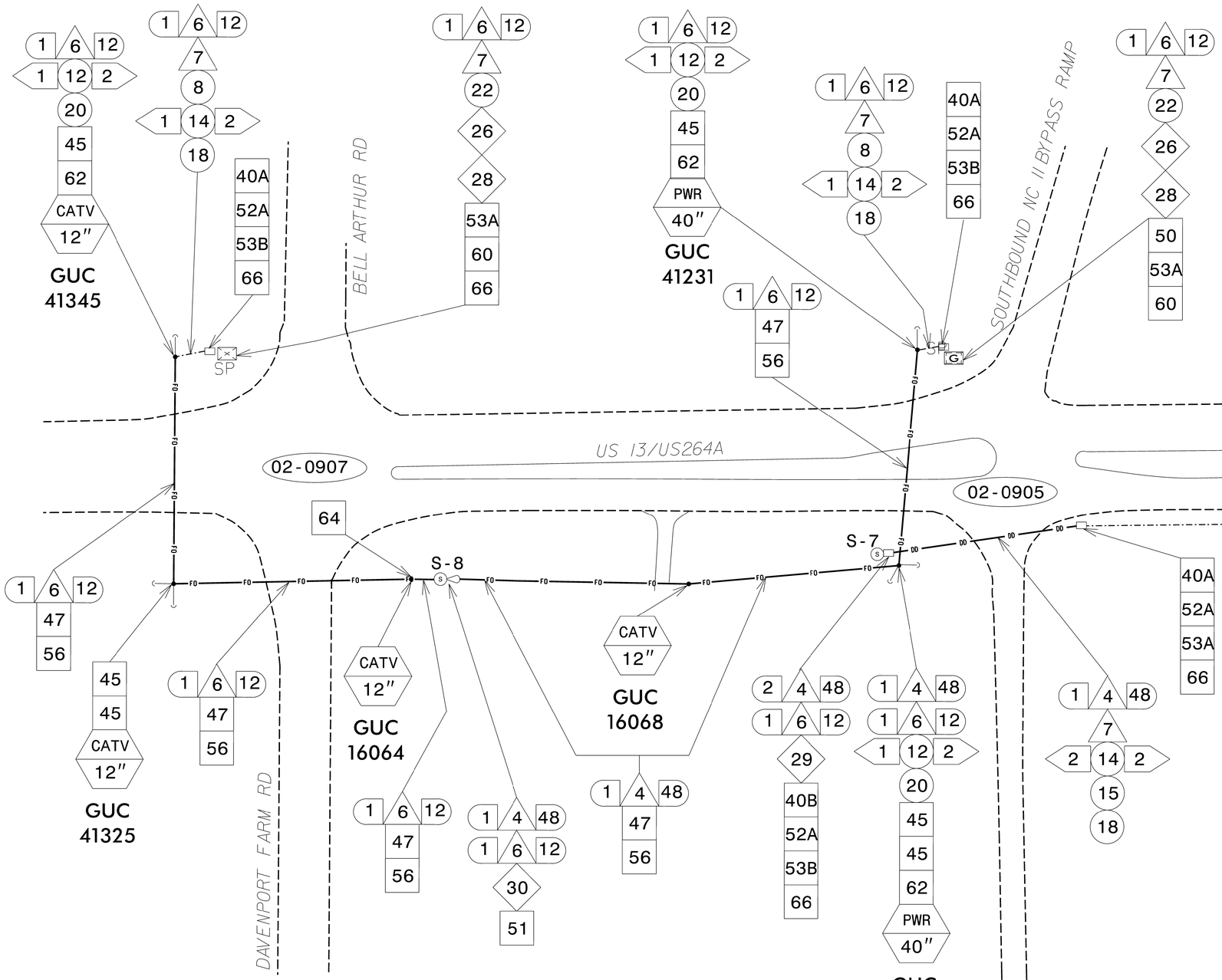
PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-23



NOTES

1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE NCDOT DIVISION 2 TRAFFIC ENGINEER AT (252) 439-2829 TO ARRANGE FOR THE 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 DIVISION 2 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 OPERATIONAL.
2. CELL MODEM TO BE SUPPLIED BY THE DEPARTMENT. CONTACT THE DIVISION TRAFFIC ENGINEER AT (252) 439-2829 TO REQUEST THE CELL MODEM. ALLOW 8 WEEK LEAD TIME BEFORE ANTICIPATED DEPLOYMENT.

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RS&H
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Signal Design Section
750 N.Greenfield Pkwy.Garner,NC 27529

Greenville Signal System Communications Cable and Conduit Routing Plans

Division 02 | Pitt County | Greenville

PLAN DATE:	July 2025	REVIEWED BY:	S.G. Haynie
PREPARED BY:	A.M. Kollar	REVIEWED BY:	

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G HAYNIE

DocuSigned by: Steven G. Haynie 7/15/2025
DESIGNER'S NAME / SIGNATURE / DATE

Sig. Inventory No.U-5875_sig_scp_24.dgn

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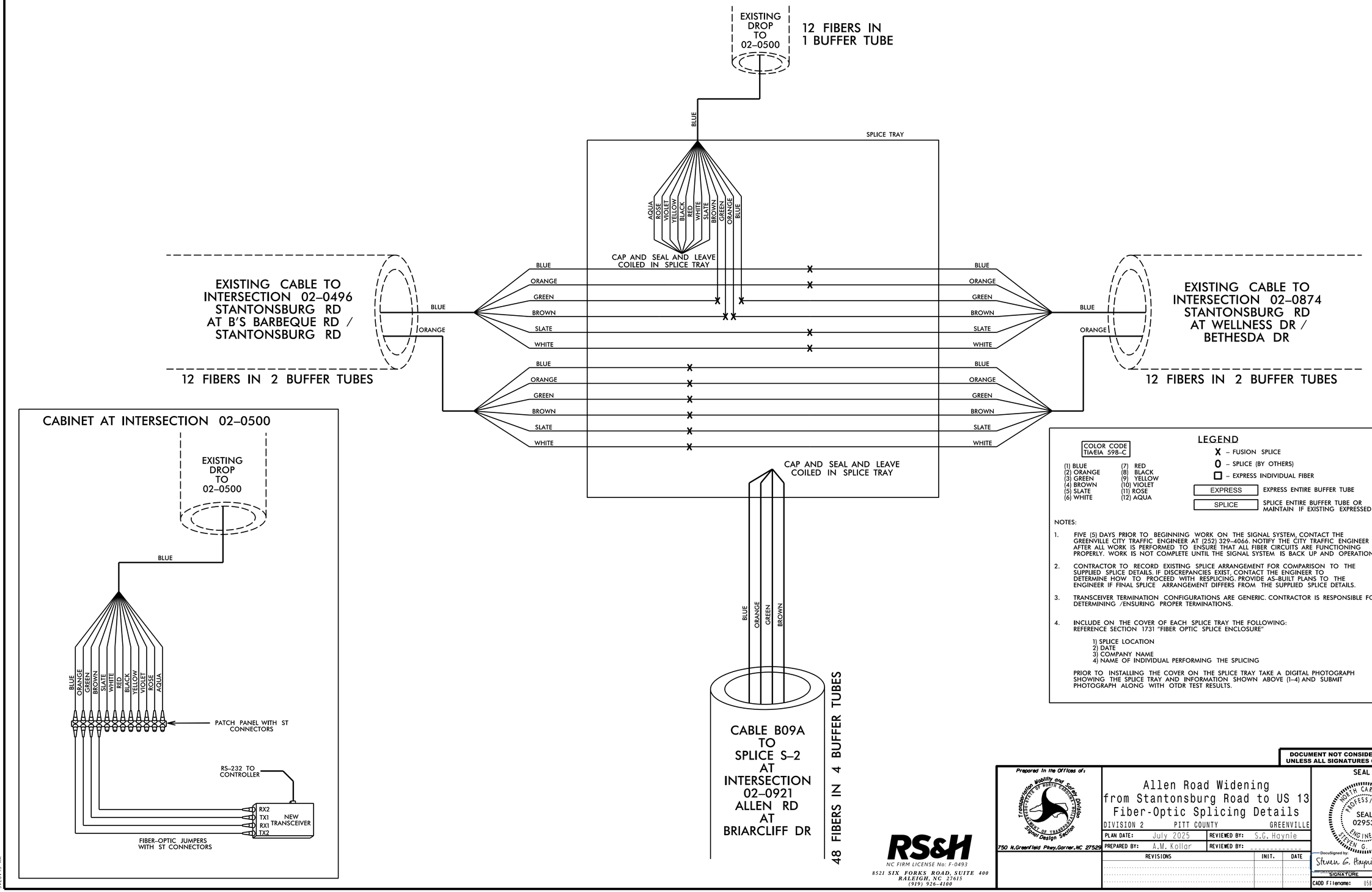
$$$$SYSTIME$$$$
$$$$SYSTIME$$$$
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-24

Greenville Signal System
Existing Splice Enclosure S–1
Stantonsburg Rd at Allen Rd
Sig ID 02–0500



COLOR CODE TIA/EIA 598–C

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

LEGEND

X – FUSION SPLICE
O – SPLICE (BY OTHERS)
□ – EXPRESS INDIVIDUAL FIBER
EXPRESS – EXPRESS ENTIRE BUFFER TUBE
SPLICE – SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

NOTES:

1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE GREENVILLE CITY TRAFFIC ENGINEER AT (252) 329–4066. NOTIFY THE CITY 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.
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 SPLICE DETAILS.
3. TRANSCEIVER TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING /ENSURING PROPER TERMINATIONS.
4. INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING: REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"
   1) SPLICE LOCATION
   2) DATE
   3) COMPANY NAME
   4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

   PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY TAKE A DIGITAL PHOTOGRAPH SHOWING THE SPLICE TRAY AND INFORMATION SHOWN ABOVE (1–4) AND SUBMIT PHOTOGRAPH ALONG WITH OTDR TEST RESULTS.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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Prepared In the Offices of:
Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Signal Design Section
750 N.Greenfield Pkwy,Garner,NC 27529

Allen Road Widening
from Stantonsburg Road to US 13
Fiber-Optic Splicing Details

DIVISION 2 PITT COUNTY GREENVILLE

PLAN DATE:	July 2025	REVIEWED BY:	S.G. Haynie
PREPARED BY:	A.M. Kollar	REVIEWED BY:	

REVISIONS	INIT.	DATE

SEAL
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DocuSigned by: Steven G. Haynie 7/22/2025
SIGNATURE DATE

CADD Filename: U5875_sig_scp_24.dgn

7/22/2025
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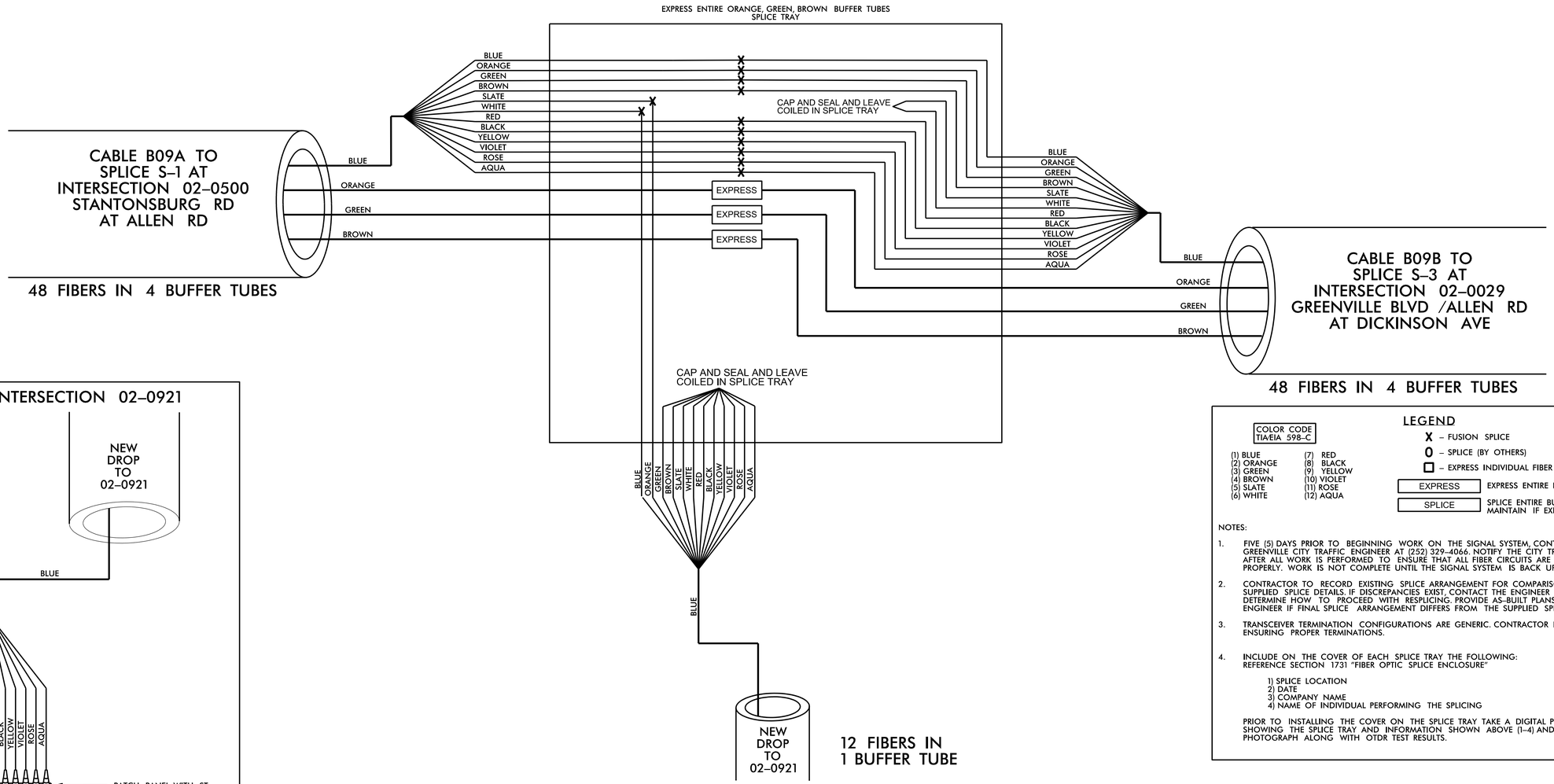
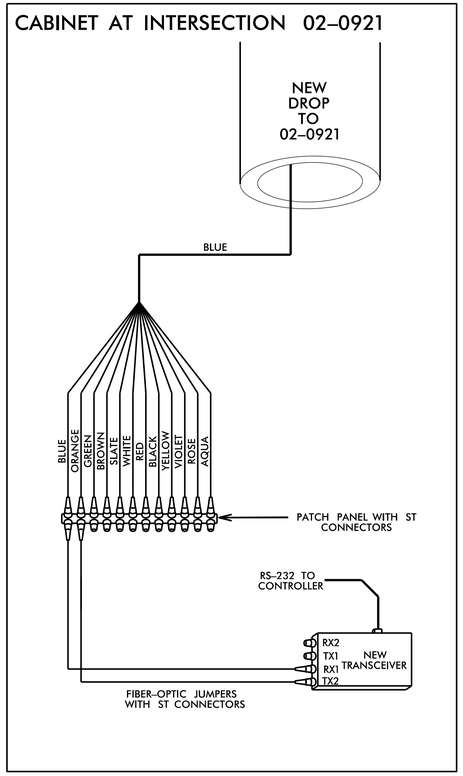
Greenville Signal System
New Splice Enclosure S–2
Allen Rd at
Briarcliff Dr.
Sig ID 02–0921

PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-25





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(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
(6) WHITE	(12) AQUA

LEGEND

X – FUSION SPLICE
O – SPLICE (BY OTHERS)
☐ – EXPRESS INDIVIDUAL FIBER
EXPRESS – EXPRESS ENTIRE BUFFER TUBE
SPLICE – SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

NOTES:

1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE GREENVILLE CITY TRAFFIC ENGINEER AT (252) 329–4066. NOTIFY THE CITY 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.
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 SPLICE DETAILS.
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4. INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING:
   REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"
   1) SPLICE LOCATION
   2) DATE
   3) COMPANY NAME
   4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

   PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY TAKE A DIGITAL PHOTOGRAPH SHOWING THE SPLICE TRAY AND INFORMATION SHOWN ABOVE (1–4) AND SUBMIT PHOTOGRAPH ALONG WITH OTDR TEST RESULTS.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of:
Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Signal Design Section
750 N.Greenfield Pkwy.Garner,NC 27529

RS&H
NC FIRM LICENSE No: F-0493
8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
(919) 926–4100

Allen Road Widening
from Stantonsburg Road to US 13
Fiber-Optic Splicing Details

DIVISION 2 PITT COUNTY GREENVILLE

PLAN DATE:	July 2025	REVIEWED BY:	S.G. Haynie
PREPARED BY:	A.M. Kollar	REVIEWED BY:	

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE

DocuSigned by: Steven G. Haynie 7/22/2025
DESIGNER SIGNATURE DATE

CADD Filename: u5875_sig_scp_25.dgn

7/22/2025
V:\4410063003.JU-5875 Signals & Comms (SEP) TDM14\Design\Traffic\Signals\Design\Plan Sheets\JU-5875 SCP Sheets\JU5875_sig_scp_32.dgn
3:04:11 PM

PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-26

Greenville Signal System
New Splice Enclosure S–3
Greenville Blvd /Allen Rd at
Dickinson Ave
Sig ID 02–0029

CABLE B11A TO
SPLICE S–5 AT
INTERSECTION 02–0946
US 264A
AT FROG LEVEL RD

48 FIBERS IN
4 BUFFER TUBES

BLUE
ORANGE
GREEN
BROWN

SPLICE TRAY

CAP AND SEAL AND
LEAVE COILED IN
SPRICE TRAY

CABLE B09B TO
SPLICE S–2 AT
INTERSECTION 02–0921
ALLEN RD
AT BRIARCLIFF DR

48 FIBERS IN 4 BUFFER TUBES

BLUE
ORANGE
GREEN
BROWN
SLATE
WHITE
RED
BLACK
YELLOW
VIOLET
ROSE
AQUA

BLUE — EXPRESS
ORANGE — EXPRESS
GREEN — EXPRESS
BROWN — EXPRESS

CABLE B10B TO
SPLICE S–4 AT
INTERSECTION 02–0910
GREENVILLE BLVD
AT WILLIAMS RD

48 FIBERS IN 4 BUFFER TUBES

CAP AND SEAL
AND LEAVE COILED
IN SPLICE TRAY

AQUA
ROSE
VIOLET
YELLOW
BLACK
RED
WHITE
SLATE
BROWN
GREEN
ORANGE
BLUE

BLUE

NEW
DROP
TO
02–0029

12 FIBERS IN
1 BUFFER TUBE

CABINET AT INTERSECTION 02–0029

NEW
DROP
TO
02–0029

BLUE

BLUE
ORANGE
GREEN
BROWN
SLATE
WHITE
RED
BLACK
YELLOW
VIOLET
ROSE
AQUA

PATCH PANEL WITH ST
CONNECTORS

RS–232 TO
CONTROLLER

RX2
TX1
RX1
TX2
NEW
TRANSCEIVER

FIBER–OPTIC JUMPERS
WITH ST CONNECTORS

LEGEND

COLOR CODE
TIA/EIA 598–C

(1) BLUE
(2) ORANGE
(3) GREEN
(4) BROWN
(5) SLATE
(6) WHITE
(7) RED
(8) BLACK
(9) YELLOW
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Prepared In the Offices of:
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750 N.Greenfield Pkwy.Garner,NC 27529

RS&H
NC FIRM LICENSE No: F-0493
8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
(919) 926-4100

Allen Road Widening
from Stantonsburg Road to US 13
Fiber-Optic Splicing Details

DIVISION 2 PITT COUNTY GREENVILLE

PLAN DATE:	July 2025	REVIEWED BY:	S.G. Haynie
PREPARED BY:	A.M. Kollar	REVIEWED BY:	

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE

DocuSigned by: Steven G. Haynie 7/22/2025
SIGNATURE DATE

CADD Filename: u5875_sig_scp_26.dgn

7/22/2025
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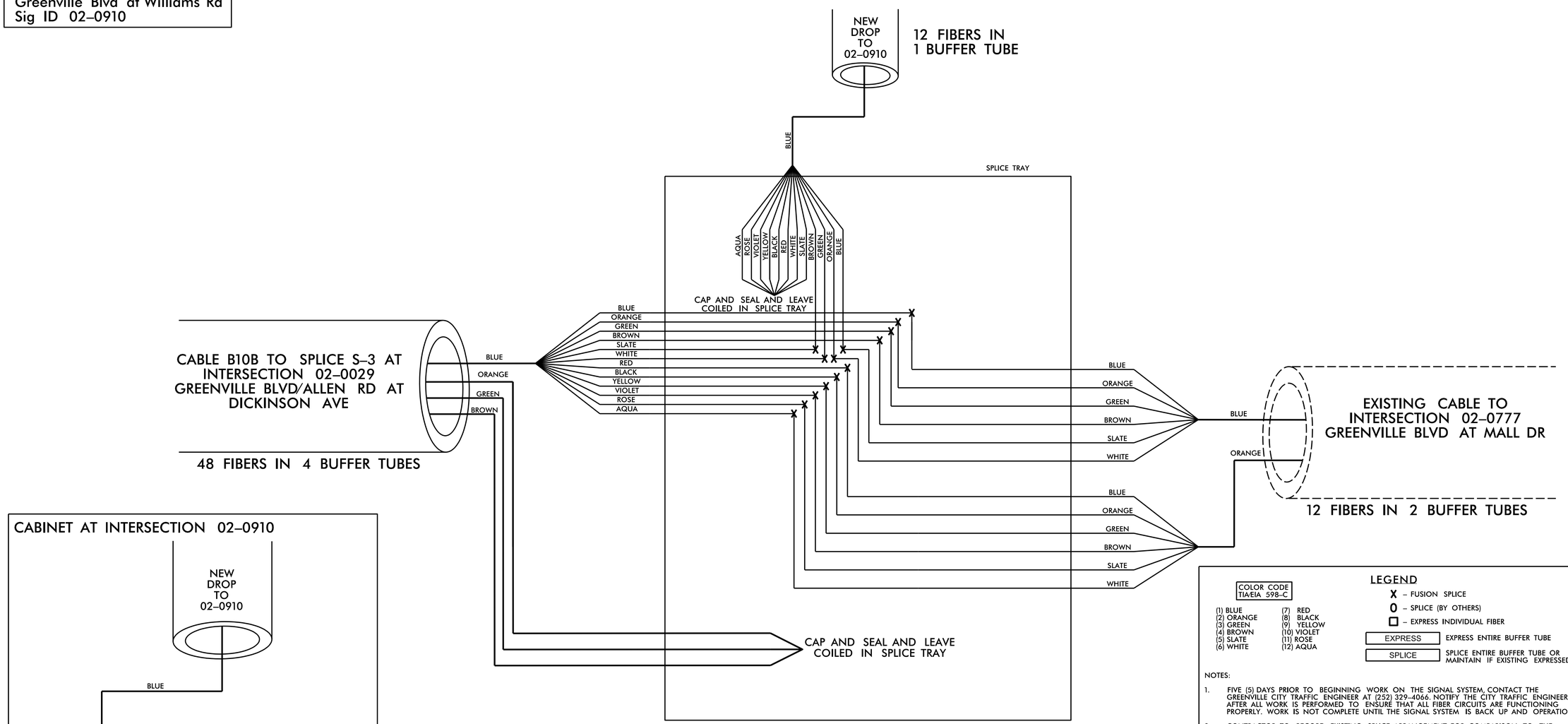
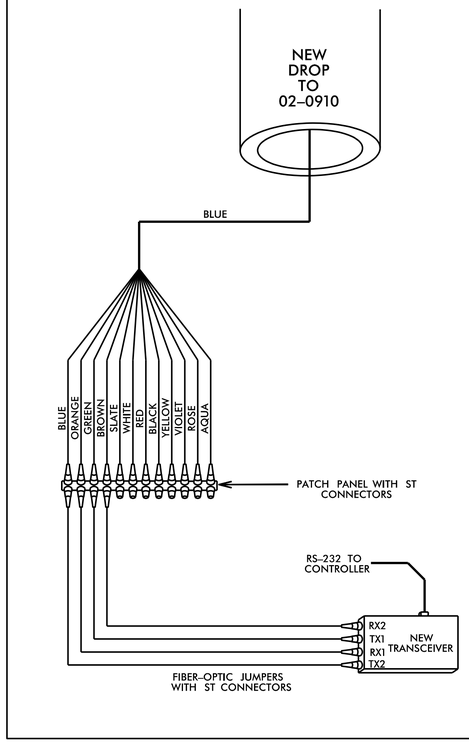
PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-27

Greenville Signal System
Existing Splice Enclosure S–4
Greenville Blvd at Williams Rd
Sig ID 02–0910



CABINET AT INTERSECTION 02–0910



COLOR CODE TIA-EIA 598–C

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
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LEGEND

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Prepared In the Offices of:
NCDOT Transportation Mobility and Safety Division – Signal Design Section
750 N.Greenfield Pkwy.Garner,NC 27529

RS&H
NC FIRM LICENSE No: F-0493
8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
(919) 926-4100

Allen Road Widening
from Stantonsburg Road to US 13
Fiber-Optic Splicing Details

DIVISION 2 | PITT COUNTY | GREENVILLE

PLAN DATE:	July 2025	REVIEWED BY:	S.G. Haynie
PREPARED BY:	A.M. Kollar	REVIEWED BY:	

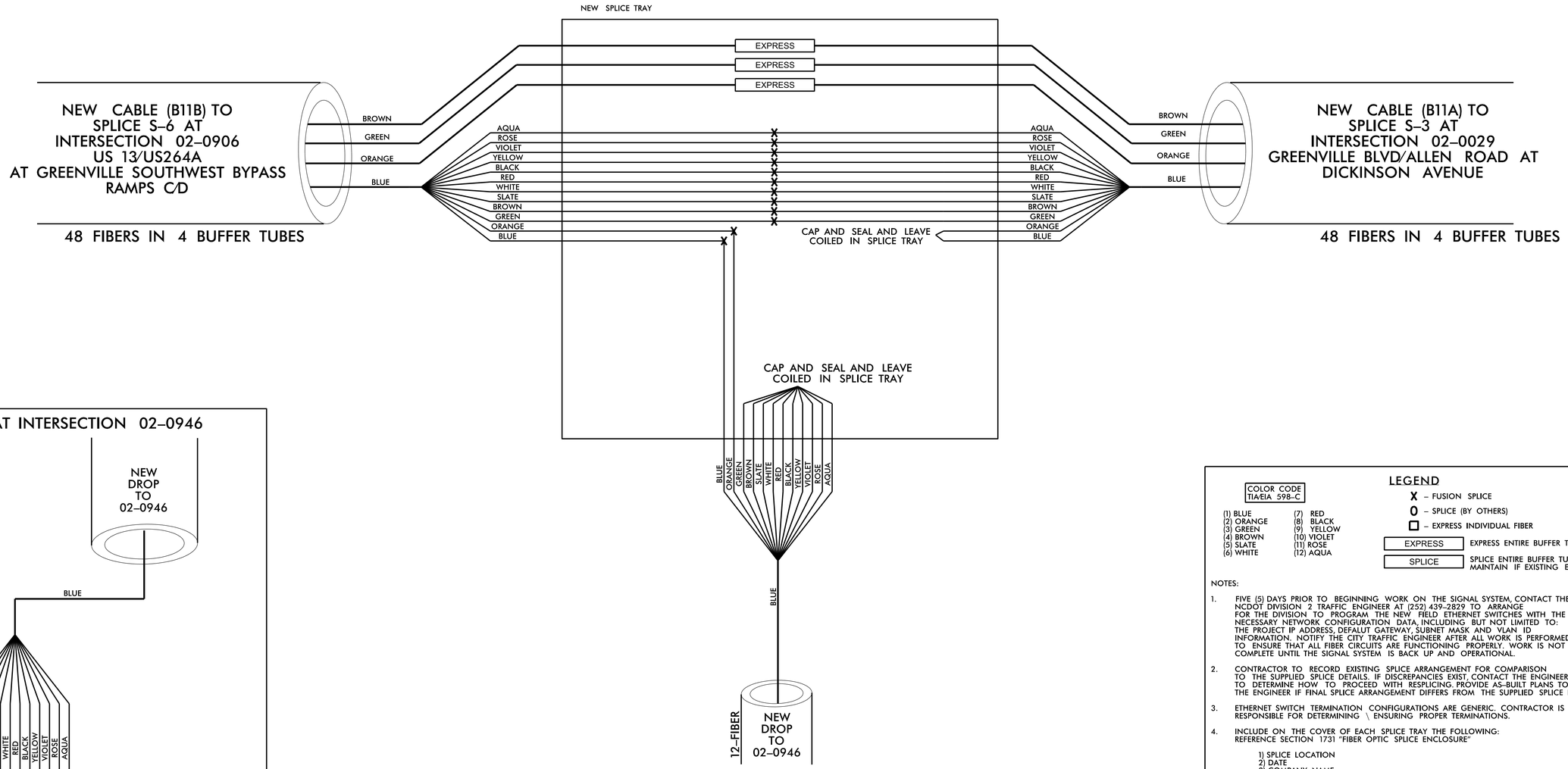
REVISIONS	INIT.	DATE

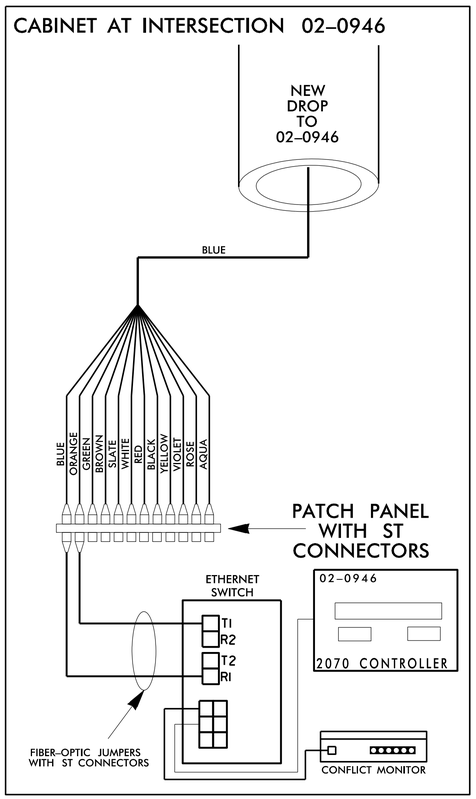
SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE
DocuSigned by: Steven G. Haynie 7/22/2025
SIGNATURE DATE

CADD Filename: U5875_sig_scp_27.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-28

New Underground Splice Enclosure S–5
US 13/US 264A
at Frog Level Road
Sig ID 02–0946





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RS&H
NC FIRM LICENSE No: F-0493
8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
(919) 926-4100

Prepared in the Offices of:
Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Signal Design Section
750 N.Greenfield Pkwy.Garner,NC 27529

Allen Road Widening from Stantonsburg Road to US 13 Fiber-Optic Splicing Details

DIVISION 2 PITT COUNTY GREENVILLE

PLAN DATE:	July 2025	REVIEWED BY:	S.G. Haynie
PREPARED BY:	A.M. Kollar	REVIEWED BY:	

REVISIONS	INIT.	DATE

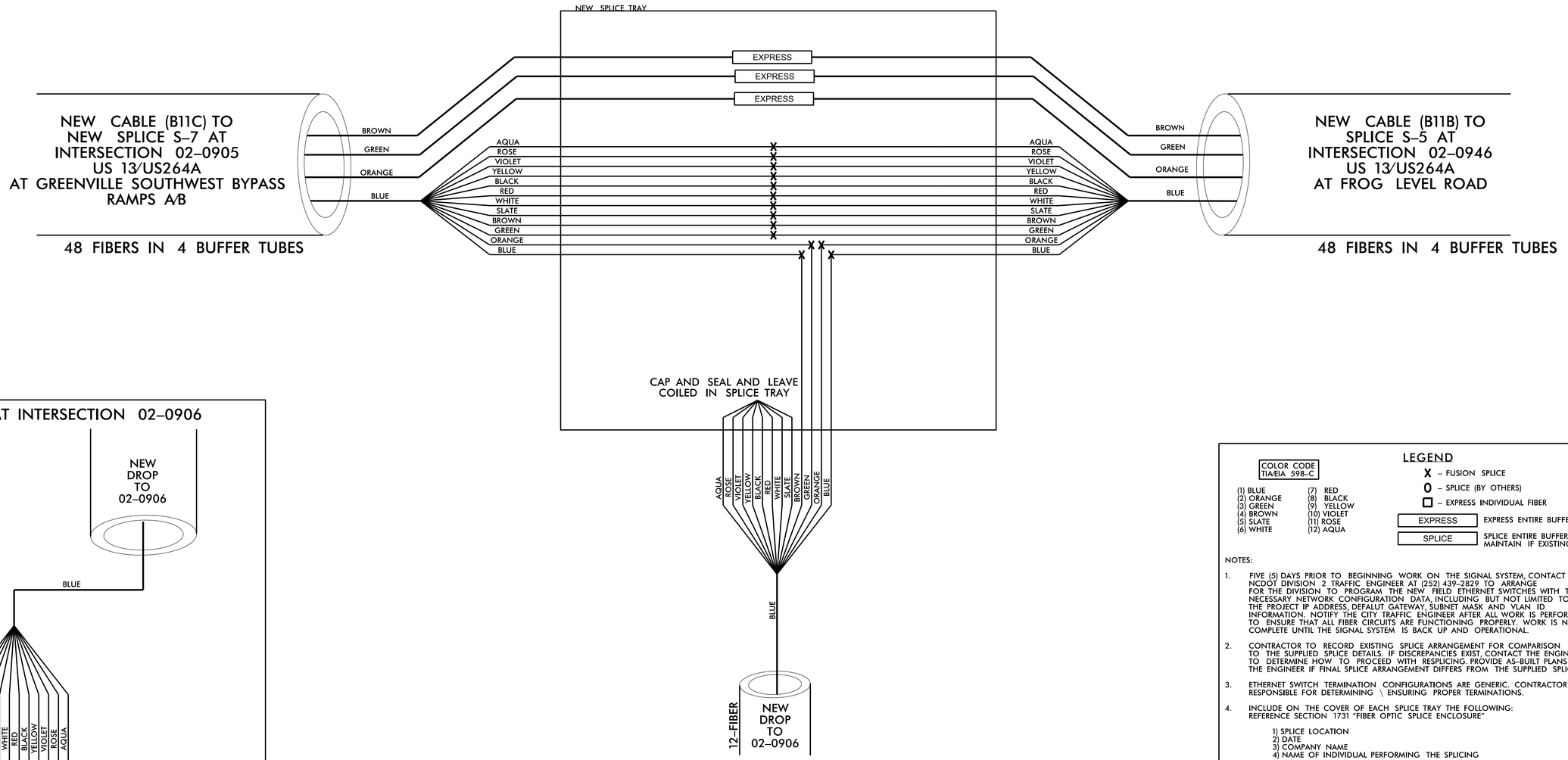
SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE

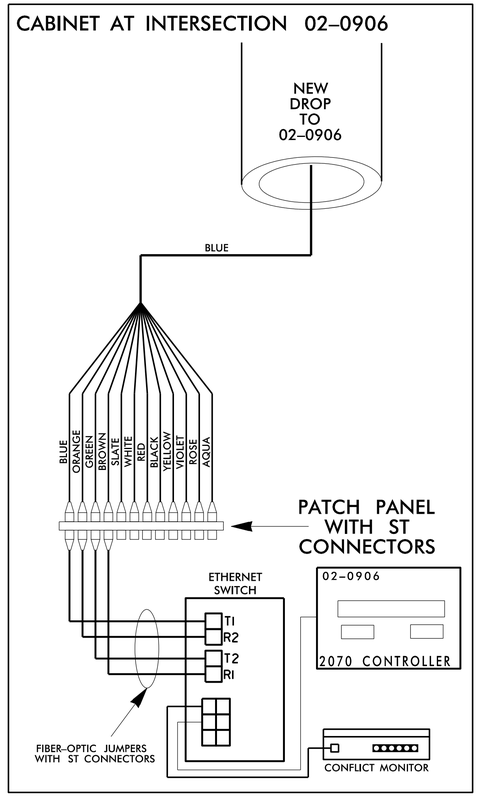
DocuSigned by: Steven G. Haynie 7/22/2025
SIGNATURE DATE

CADD Filename: u5875_sig_scp_28.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-29

New Underground Splice Enclosure S–6
US 13/US 264A
at Greenville Southwest Bypass Ramps C/D
Sig ID 02–0906





COLOR CODE TIA/EIA 598–C	
(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
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LEGEND

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Prepared In the Offices of:
Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Signal Design Section
750 N.Greenfield Pkwy.Garner,NC 27529

RS&H
NC FIRM LICENSE No: F-0493
8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
(919) 926–4100

Allen Road Widening from Stantonsburg Road to US 13 Fiber-Optic Splicing Details

DIVISION 2 PITT COUNTY GREENVILLE

PLAN DATE:	July 2025	REVIEWED BY:	S.G. Haynie
PREPARED BY:	A.M. Kollar	REVIEWED BY:	

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 029531 STEVEN G. HAYNIE
DocuSigned by: Steven G. Haynie 7/22/2025
SIGNATURE DATE

CADD Filename: U5875_sig_scp_29.dgn

7/22/2025
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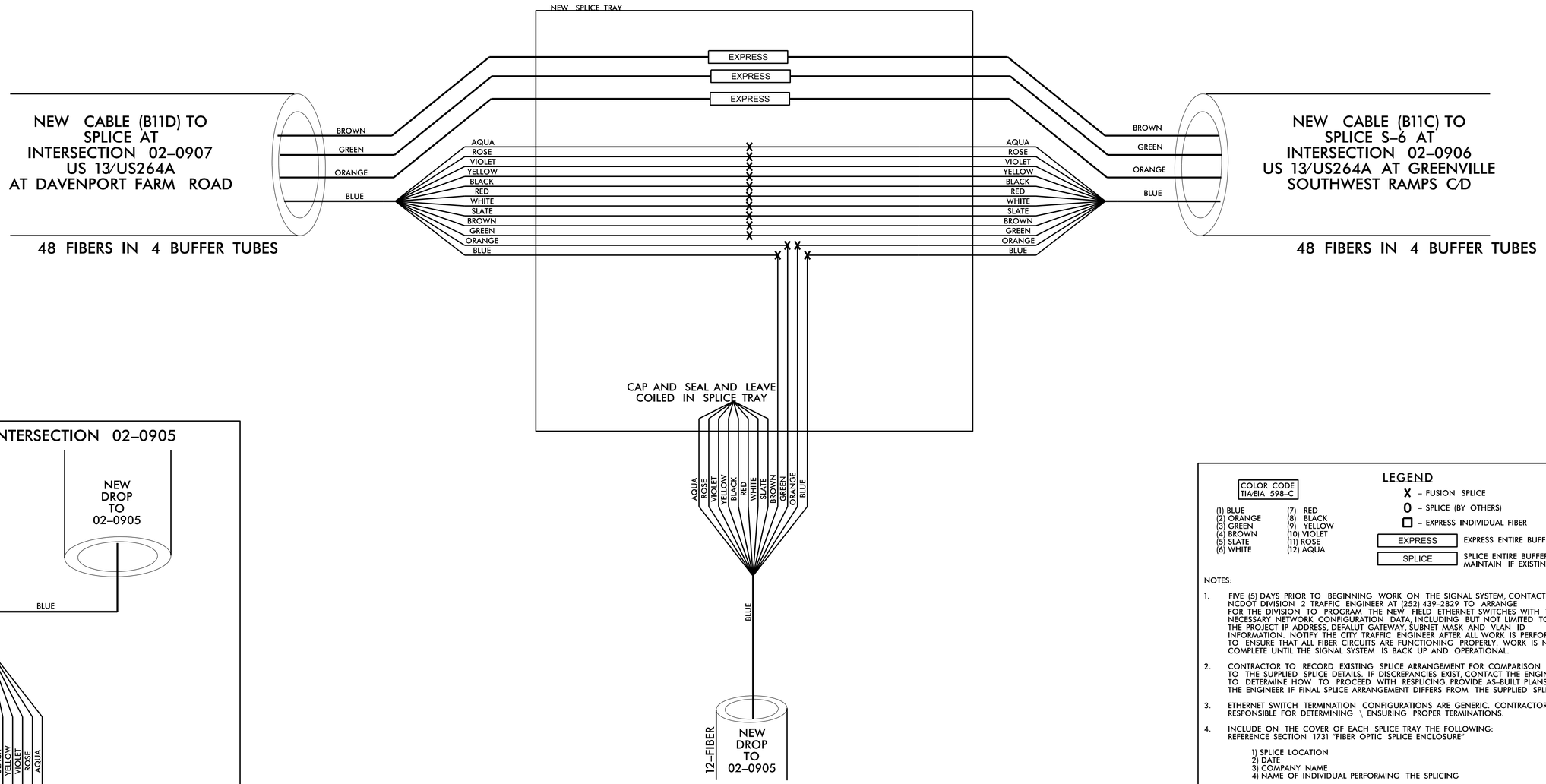
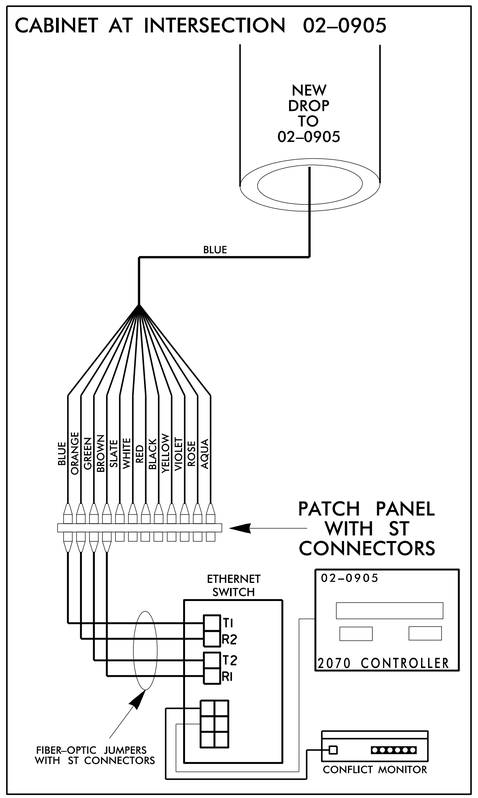
9:47:31 AM

PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-30

New Underground Splice Enclosure S–7
US 13/US 264A
at Greenville Southwest Bypass
Ramps A/B
Sig ID 02–0905





COLOR CODE TIA/EIA 598–C

(1) BLUE	(7) RED
(2) ORANGE	(8) BLACK
(3) GREEN	(9) YELLOW
(4) BROWN	(10) VIOLET
(5) SLATE	(11) ROSE
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LEGEND

X – FUSION SPLICE

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NC FIRM LICENSE No: F-0493
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Prepared in the Offices of:
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Signal Design Section
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Allen Road Widening from Stantonsburg Road to US 13 Fiber-Optic Splicing Details

DIVISION 2 PITT COUNTY GREENVILLE

PLAN DATE:	July 2025	REVIEWED BY:	S.G. Haynie
PREPARED BY:	A.M. Kollar	REVIEWED BY:	

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE

DocuSigned by: Steven G. Haynie 7/22/2025
SIGNATURE DATE

CADD Filename: u5875_sig_scp_30.dgn

7/22/2025
12:40:03 PM
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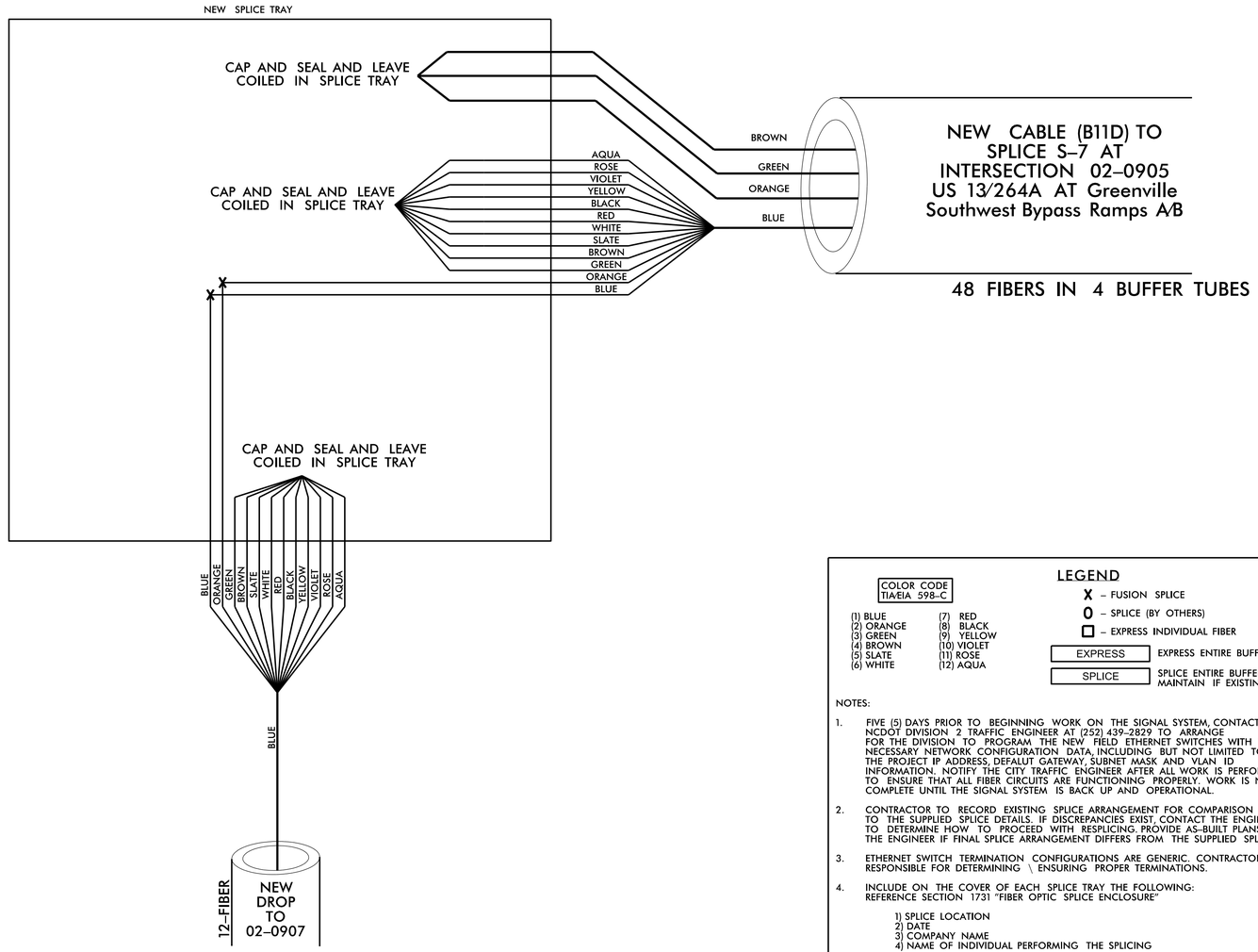
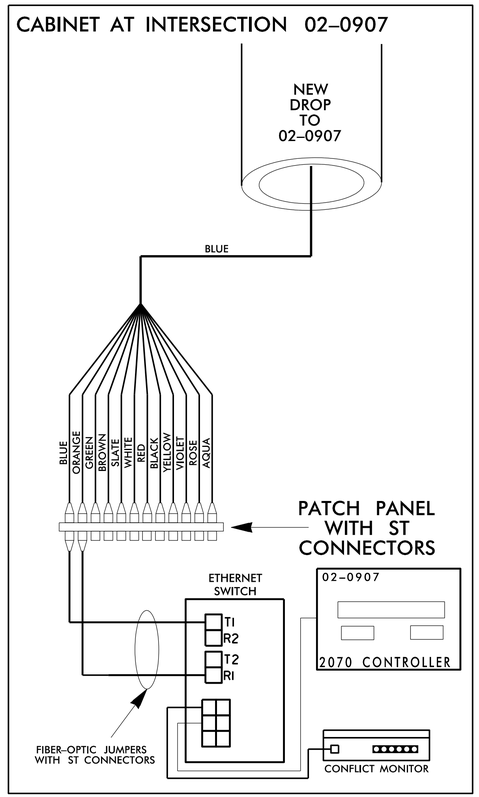
PROJECT REFERENCE NO.	SHEET NO.
U-5875	SCP-31

New Underground Splice Enclosure S–8
US 13/US 264A
at Davenport Farm Rd/Bell Arthur Rd
Sig ID 02–0907





LEGEND

COLOR CODE TIA/EIA 598–C

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SPLICE — SPLICE ENTIRE BUFFER TUBE OR MAINTAIN IF EXISTING EXPRESSED

NOTES:

1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE NCDOT DIVISION 2 TRAFFIC ENGINEER AT (252) 439–2829 TO ARRANGE FOR THE DIVISION TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFALUT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE CITY 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.
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 SPLICE DETAILS.
3. ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING \ ENSURING PROPER TERMINATIONS.
4. INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING: REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"
   1) SPLICE LOCATION
   2) DATE
   3) COMPANY NAME
   4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

   PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY TAKE A DIGITAL PHOTOGRAPH SHOWING THE SPLICE TRAY AND INFORMATION SHOWN ABOVE (1–4) AND SUBMIT PHOTOGRAPH ALONG WITH OTDR TEST RESULTS.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

RS&H
NC FIRM LICENSE No: F-0493
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RALEIGH, NC 27615
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Prepared In the Offices of:
Transportation Mobility and Safety Division
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Signal Design Section
750 N.Greenfield Pkwy.Garner,NC 27529

Allen Road Widening from Stantonsburg Road to US 13 Fiber-Optic Splicing Details

DIVISION 2 PITT COUNTY GREENVILLE

PLAN DATE:	July 2025	REVIEWED BY:	S.G. Haynie
PREPARED BY:	A.M. Kollar	REVIEWED BY:	

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029531 ENGINEER STEVEN G. HAYNIE
Docusigned by: Steven G. Haynie 7/22/2025
SIGNATURE DATE

CADD Filename: U5875_sig_scp_31.dgn

7/22/2025
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