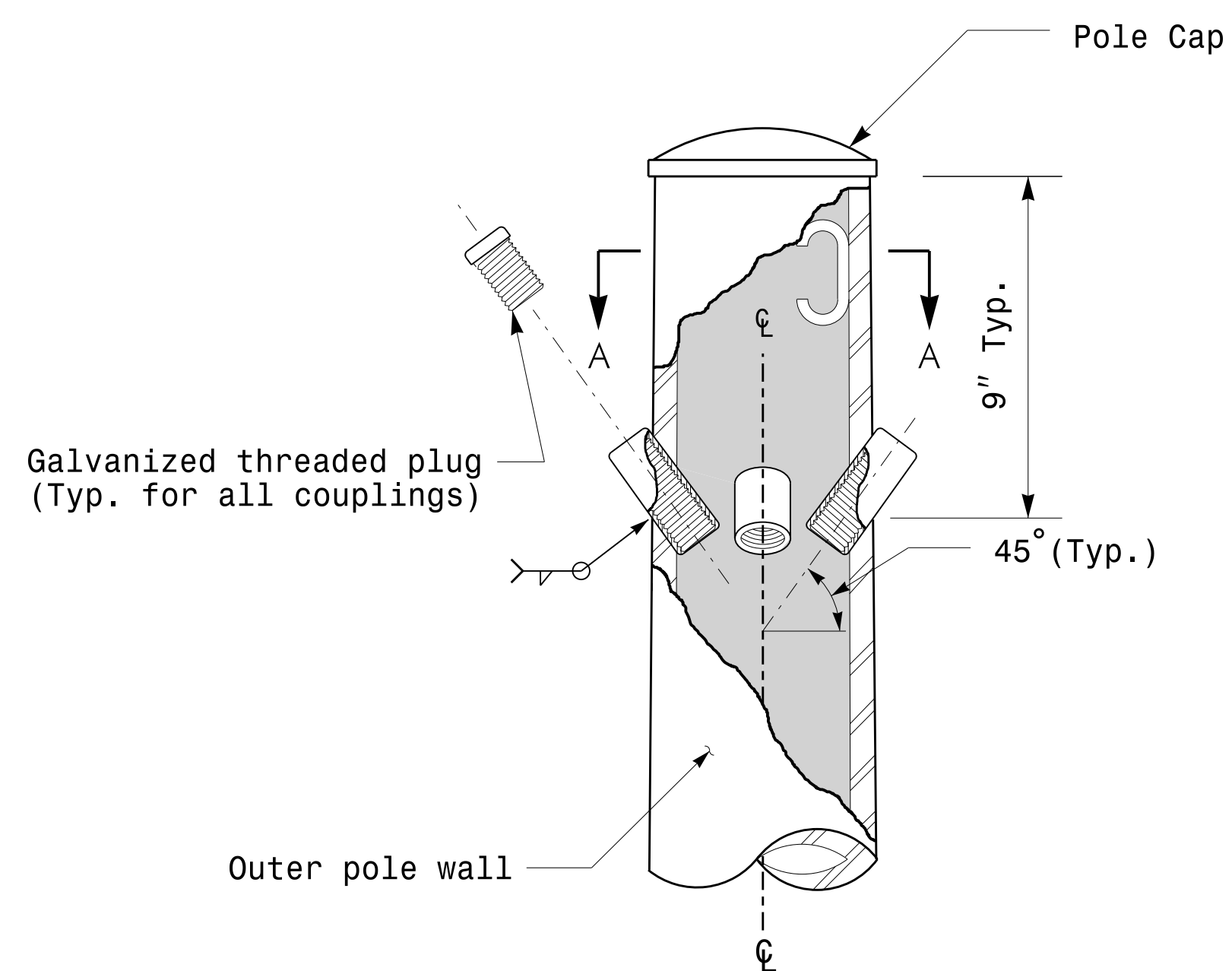
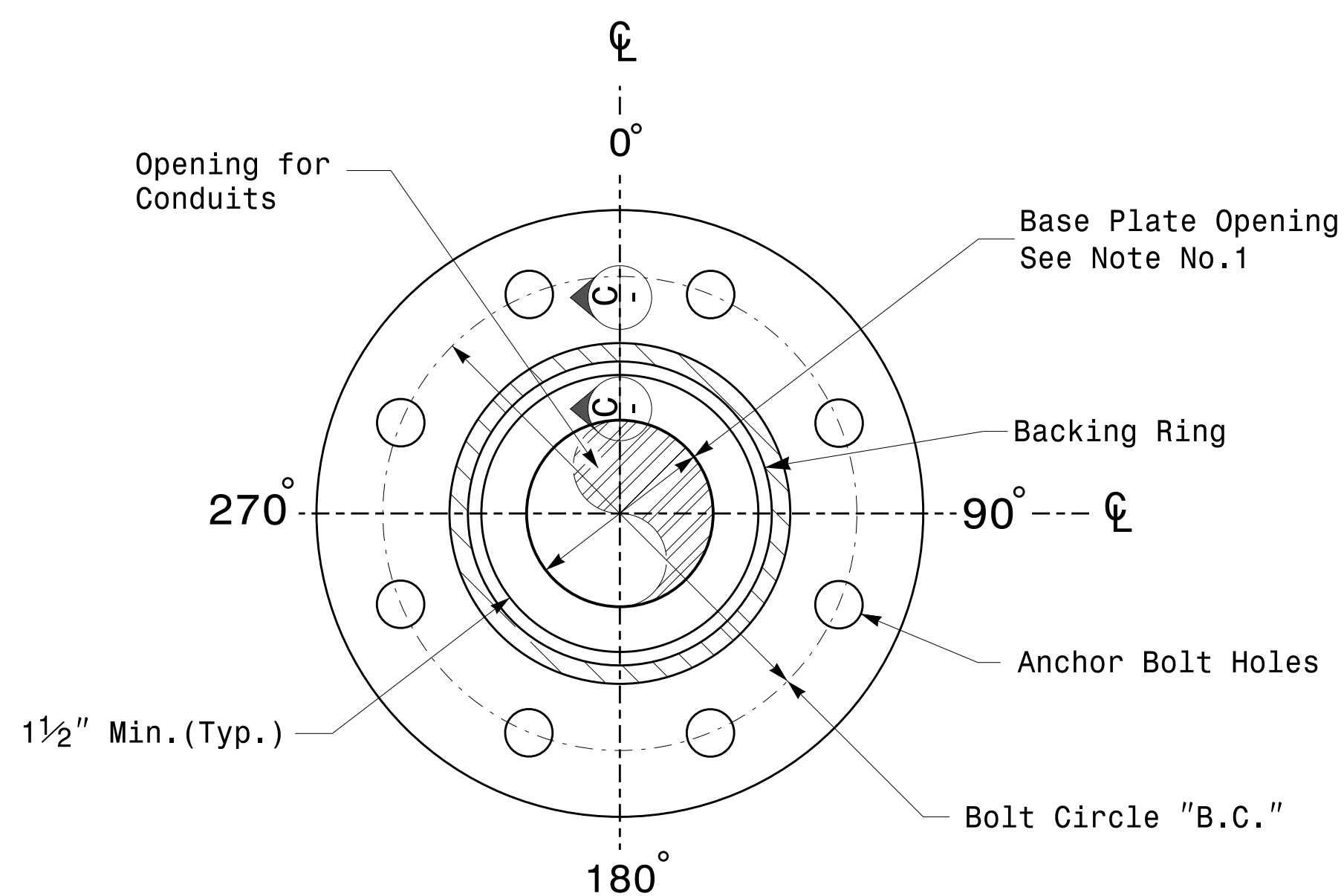


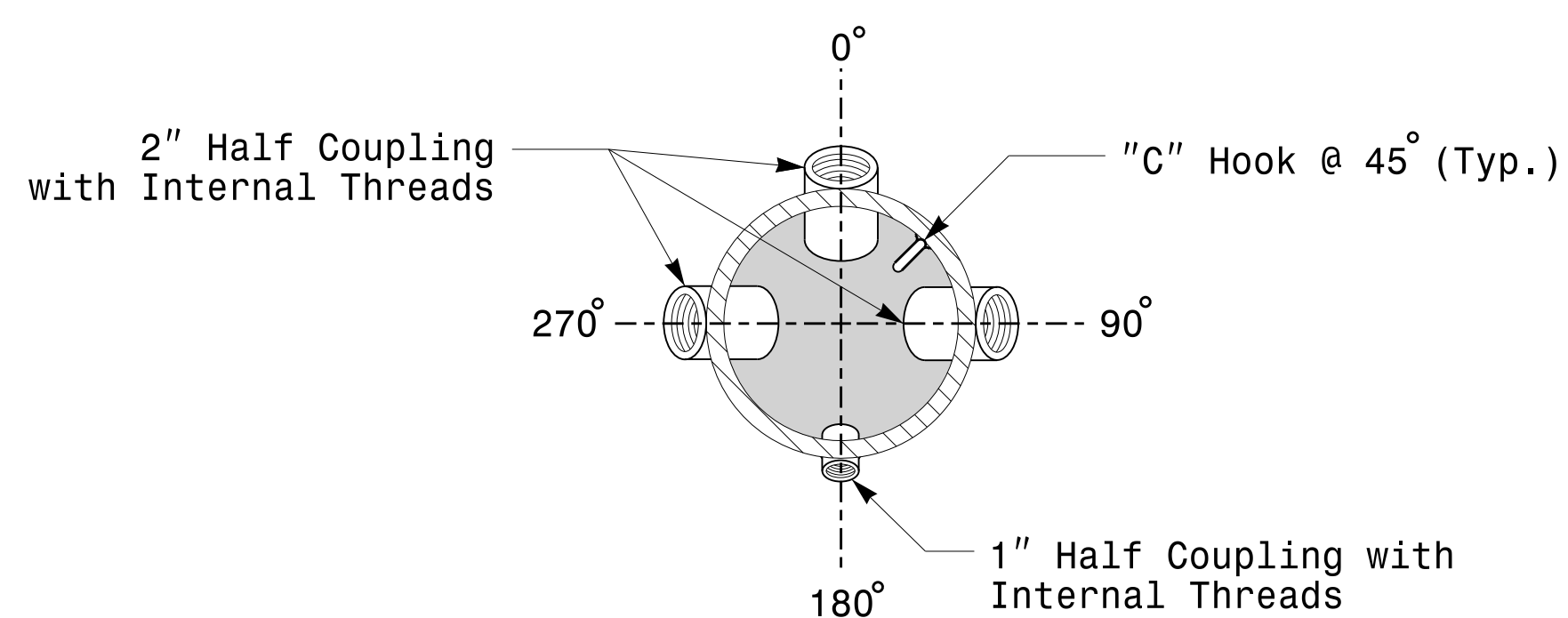
Note:
 1. Opening in pole base plate shall be equal to pole base inside diameter minus 3 1/2" but shall not be less than 8 1/2".



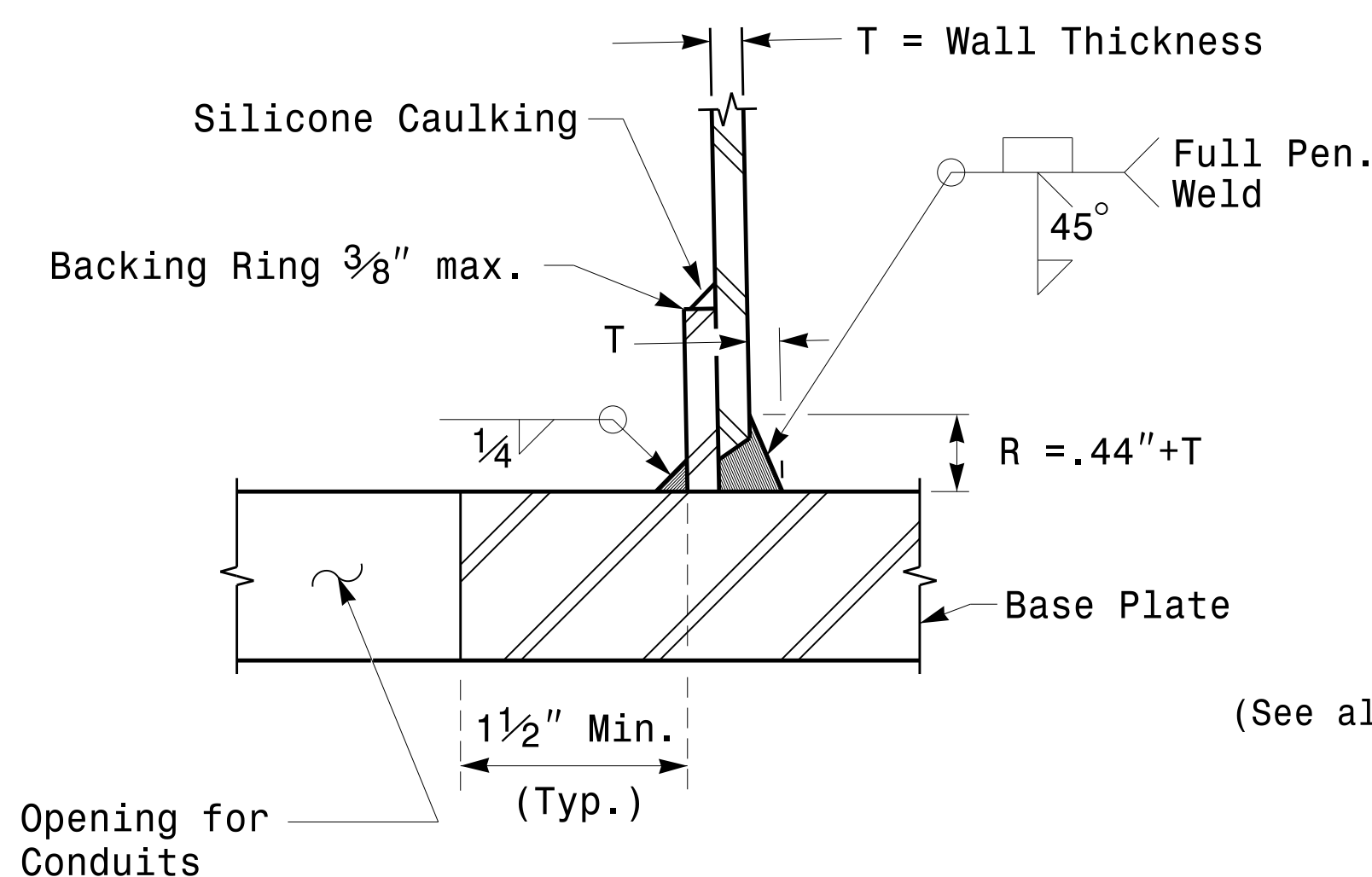
Cable Entrances at Top of Pole



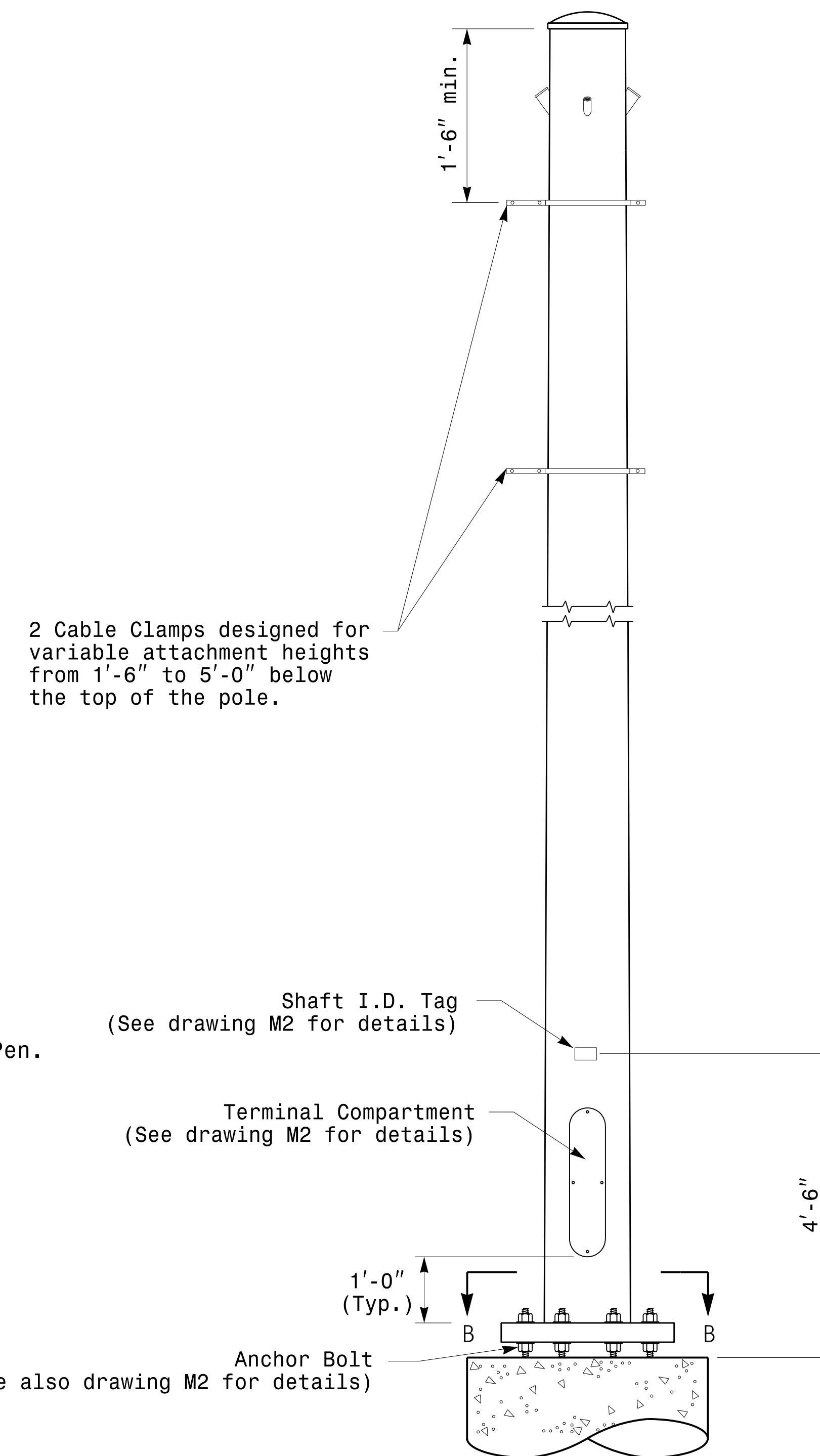
Section B-B
Pole Base Plate Details
(8 and 12 Bolt Pattern)



Section A-A
Radial Orientation for Factory Installed
Accessories at Top of Pole



Section C-C
(Pole Attachment to Base Plate)
Full-Penetration
Groove Weld Detail



2 Cable Clamps designed for variable attachment heights from 1'-6" to 5'-0" below the top of the pole.

Monotube Strain Pole

Prepared in the Offices of:

 750 N. Greenleaf Pkwy, Garner, NC 27529

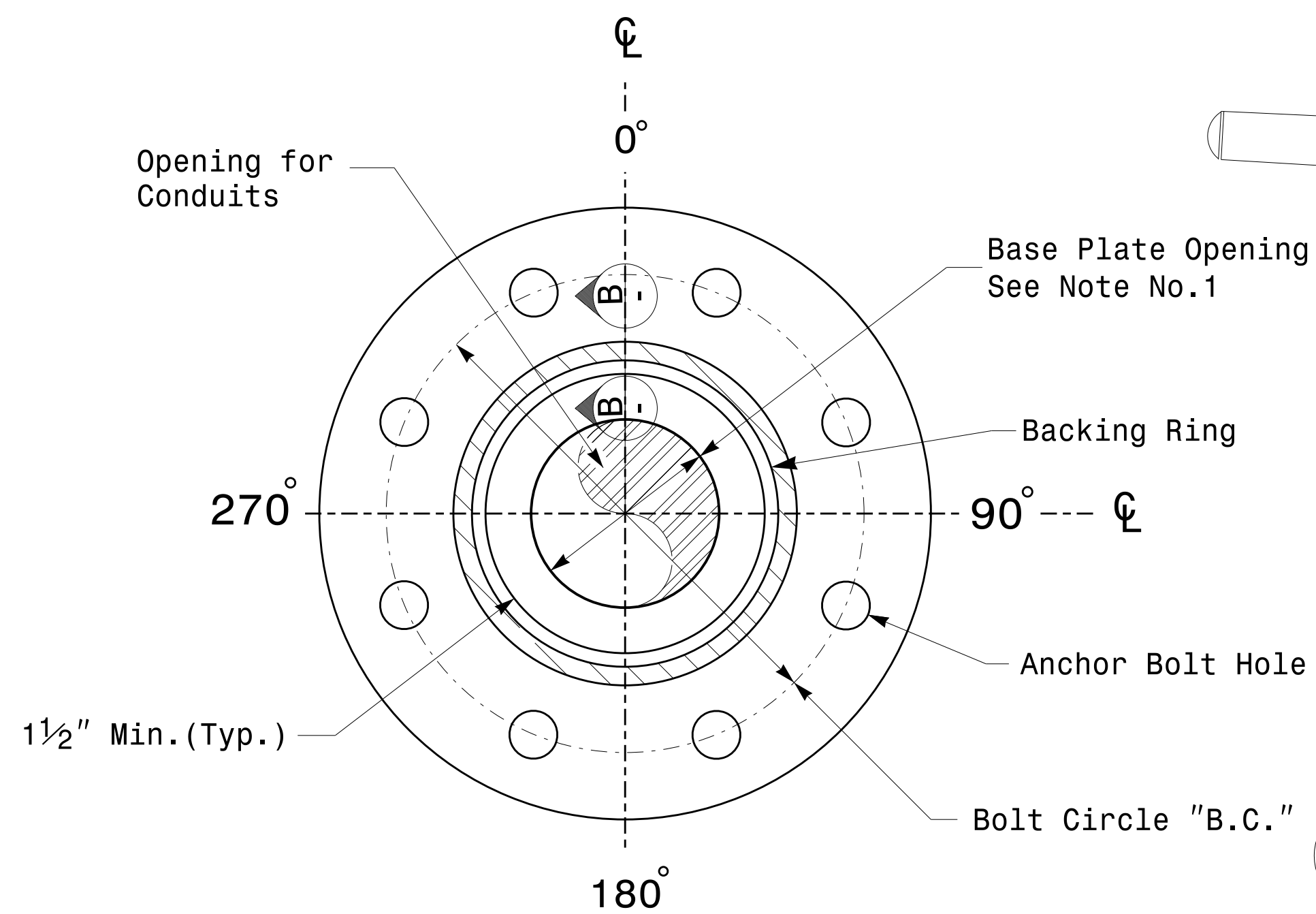
Typical Fabrication Details For Strain Poles			
PLAN DATE:	OCTOBER 2017	DESIGNED BY:	K.C. DURIGON
PREPARED BY:	N. BITTING	REVIEWED BY:	D.C. SARKAR
REVISIONS	INIT.	DATE	

SEAL

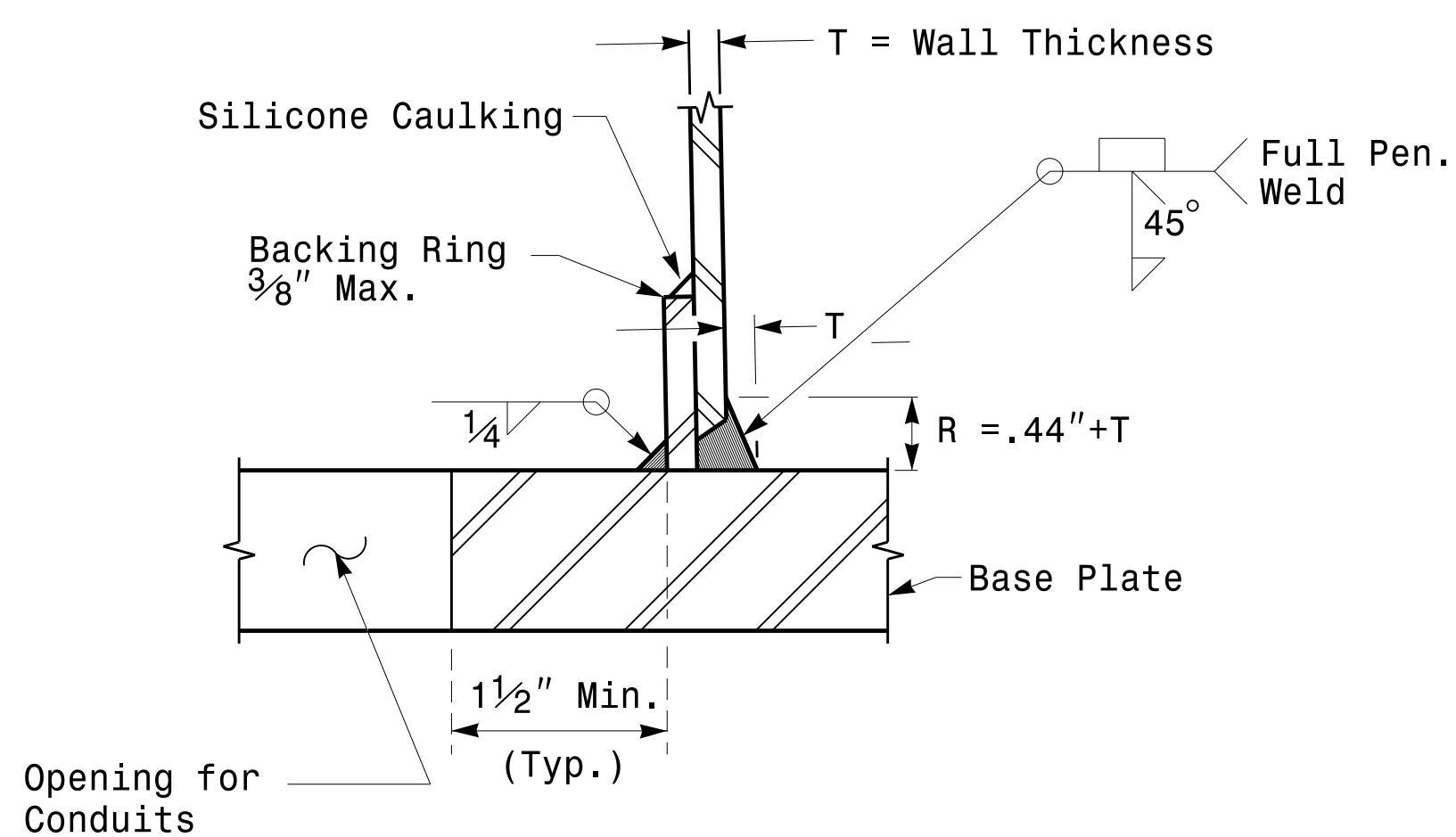
 DocuSigned by:
 Debesh C. Sarkar
 44EBE7816FA4F49E
 10/11/2017
 DATE

Fabrication Details – Strain Poles

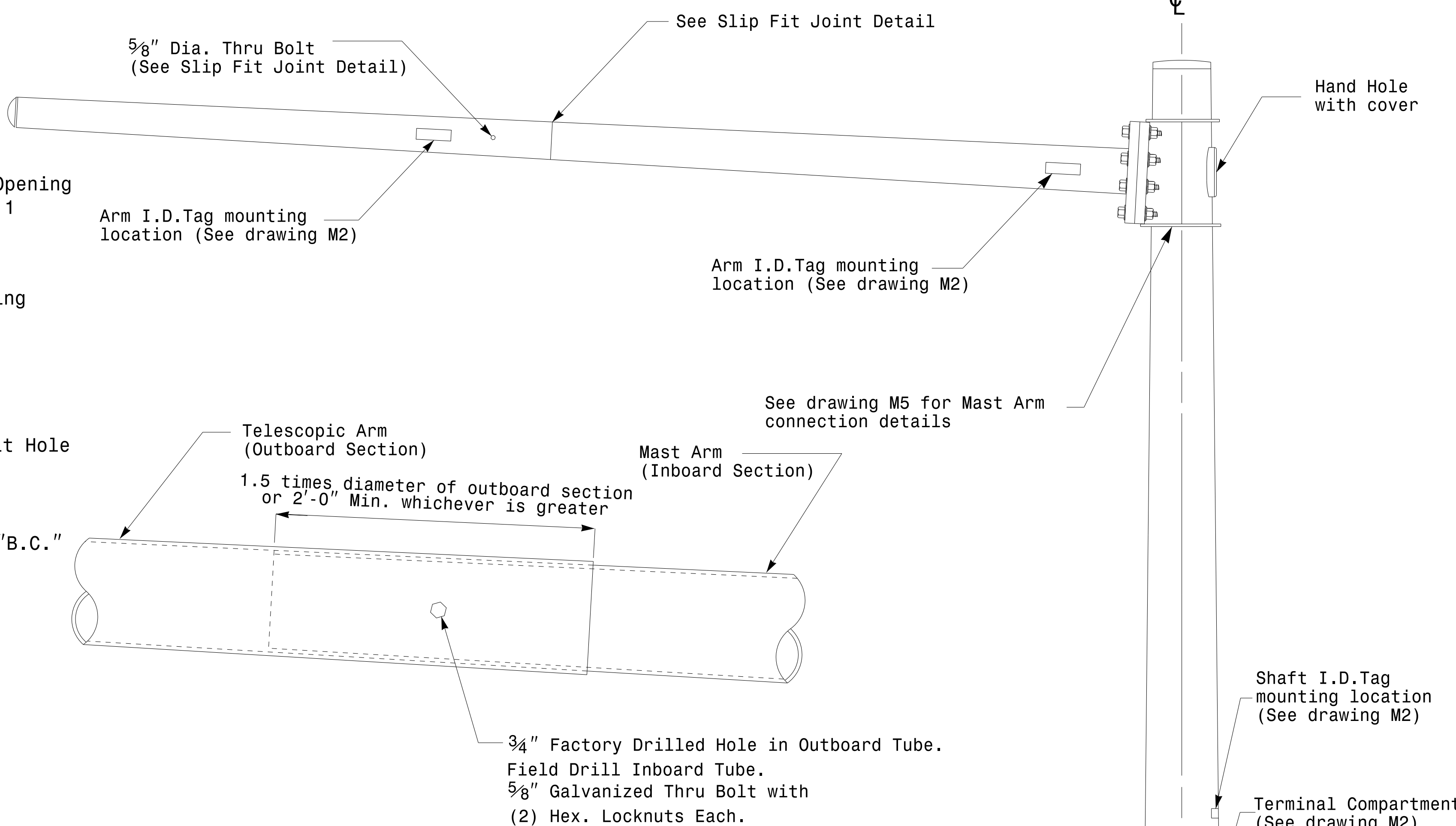
Note:
 1. Opening in pole base plate shall be equal to pole base inside diameter minus 3 1/2" but shall not be less than 8 1/2".



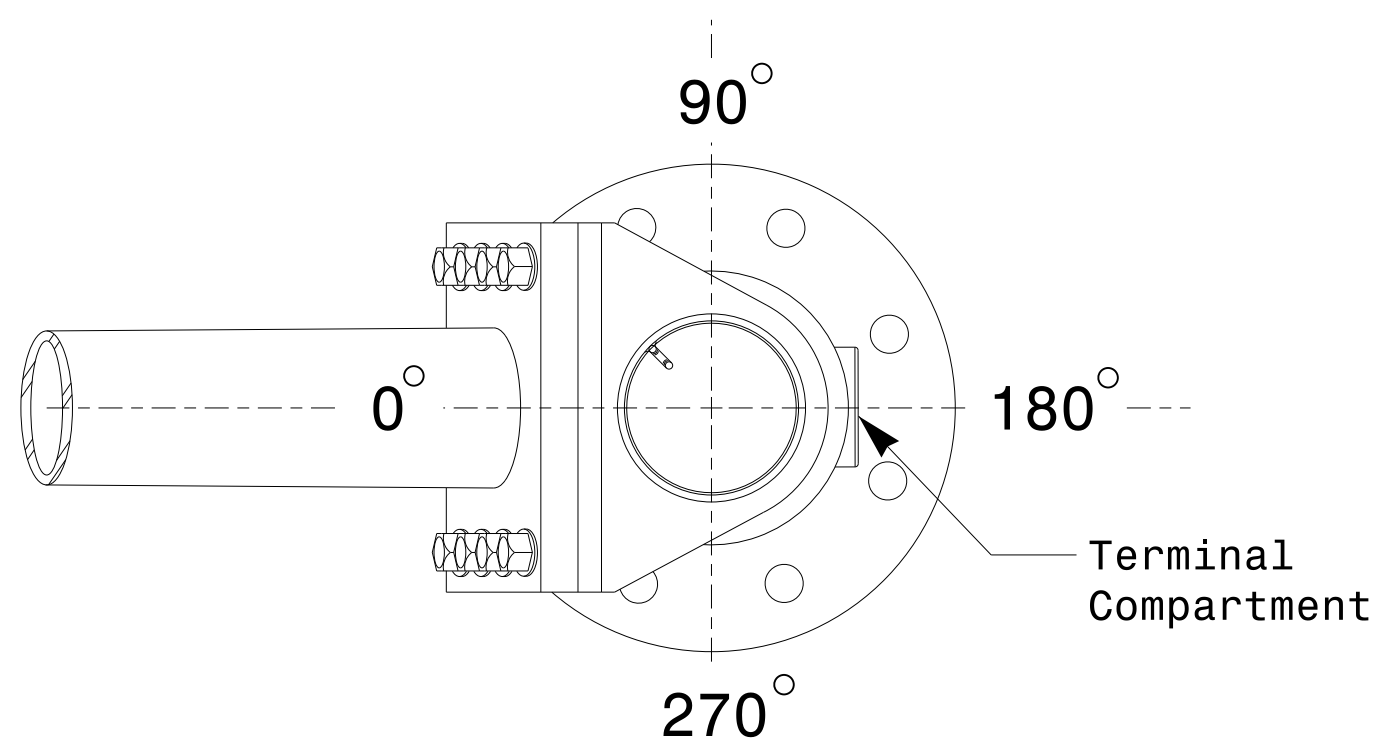
Section A-A
 Pole Base Plate Details



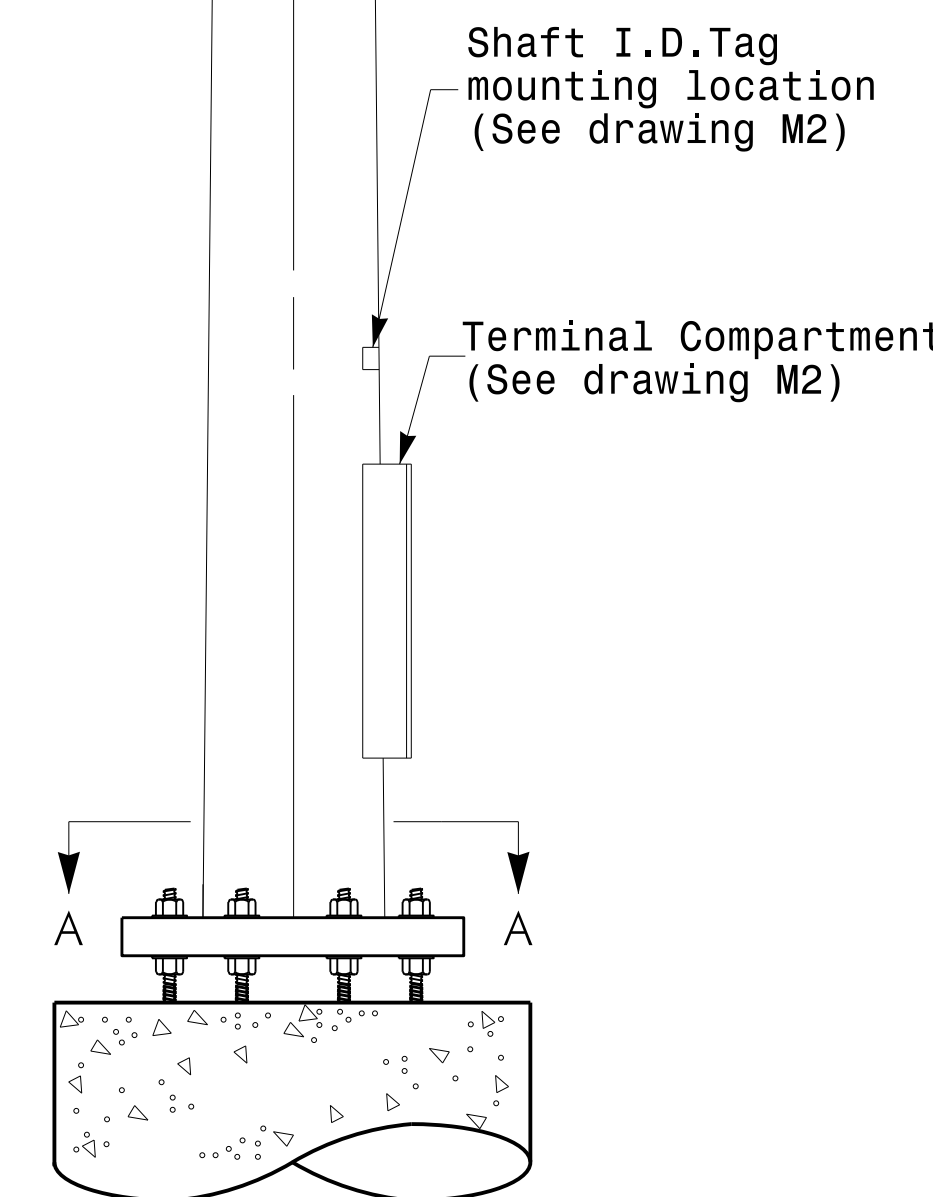
Section B-B
 (Pole Attachment to Base Plate)
 Full-Penetration Groove Weld Detail



Slip Fit Joint Detail for Mast Arm



Mast Arm Radial Orientation



Mast Arm Pole

Prepared in the Offices of: 750 N. Greenfield Pkwy, Garner, NC 27529	Typical Fabrication Details For Mast Arm Poles		SEAL D. C. SARKAR
	PLAN DATE: OCTOBER 2017 PREPARED BY: N. BITTING	DESIGNED BY: K.C. DURIGON REVIEWED BY: D.C. SARKAR	
SCALE: 0 NA NONE	DocuSigned by: Dinesh C. Sarkar 10/11/2017		DATE

11-OCT-2017 08:33
 P:\S604115\Sig.M4\15-Sig.M4-Std-Fabrication Details-Mast Arm Poles.dgn
 P:\S604115\Sig.M4\15-Sig.M4-Std-Fabrication Details-Mast Arm Poles.dgn

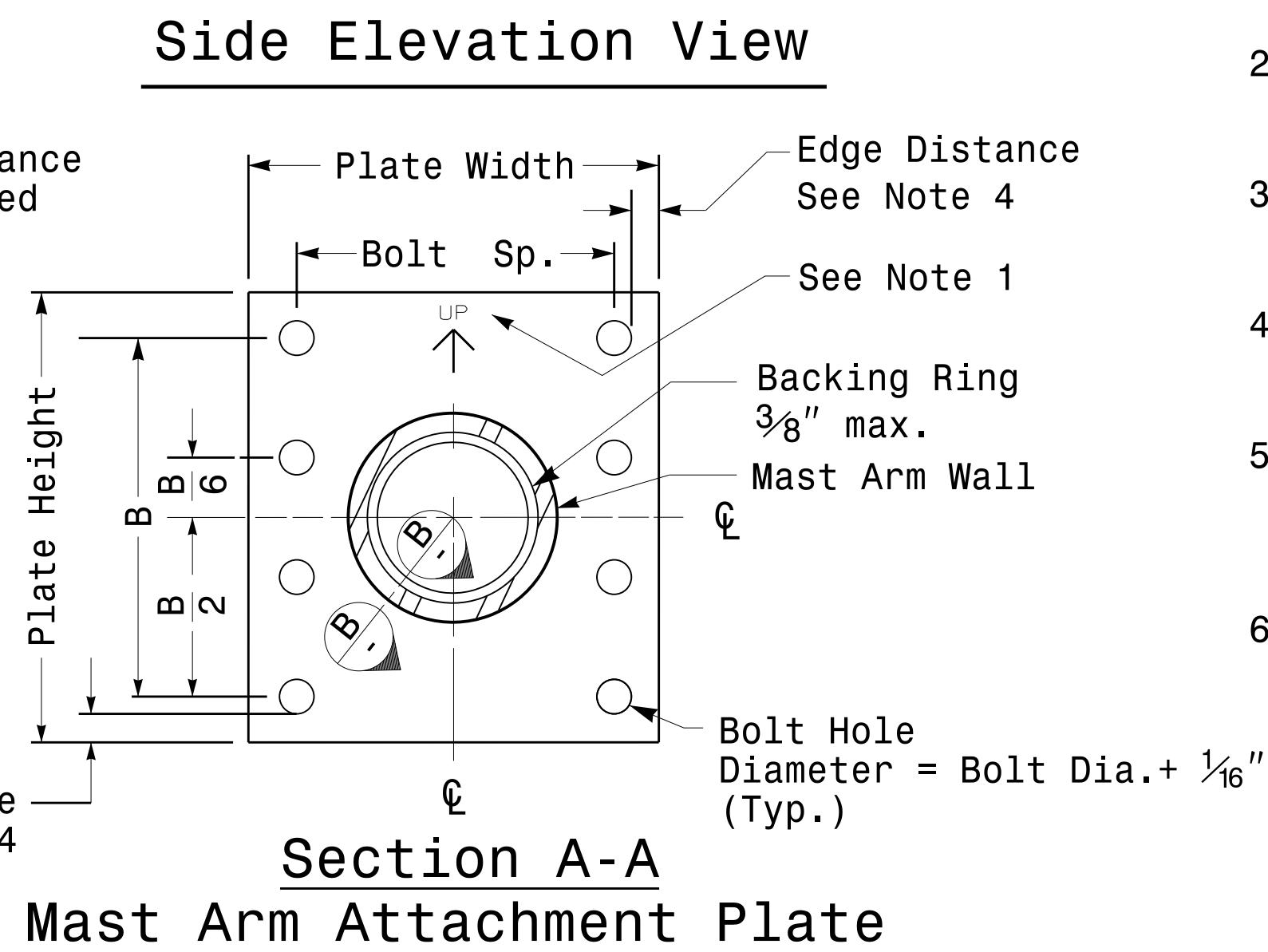
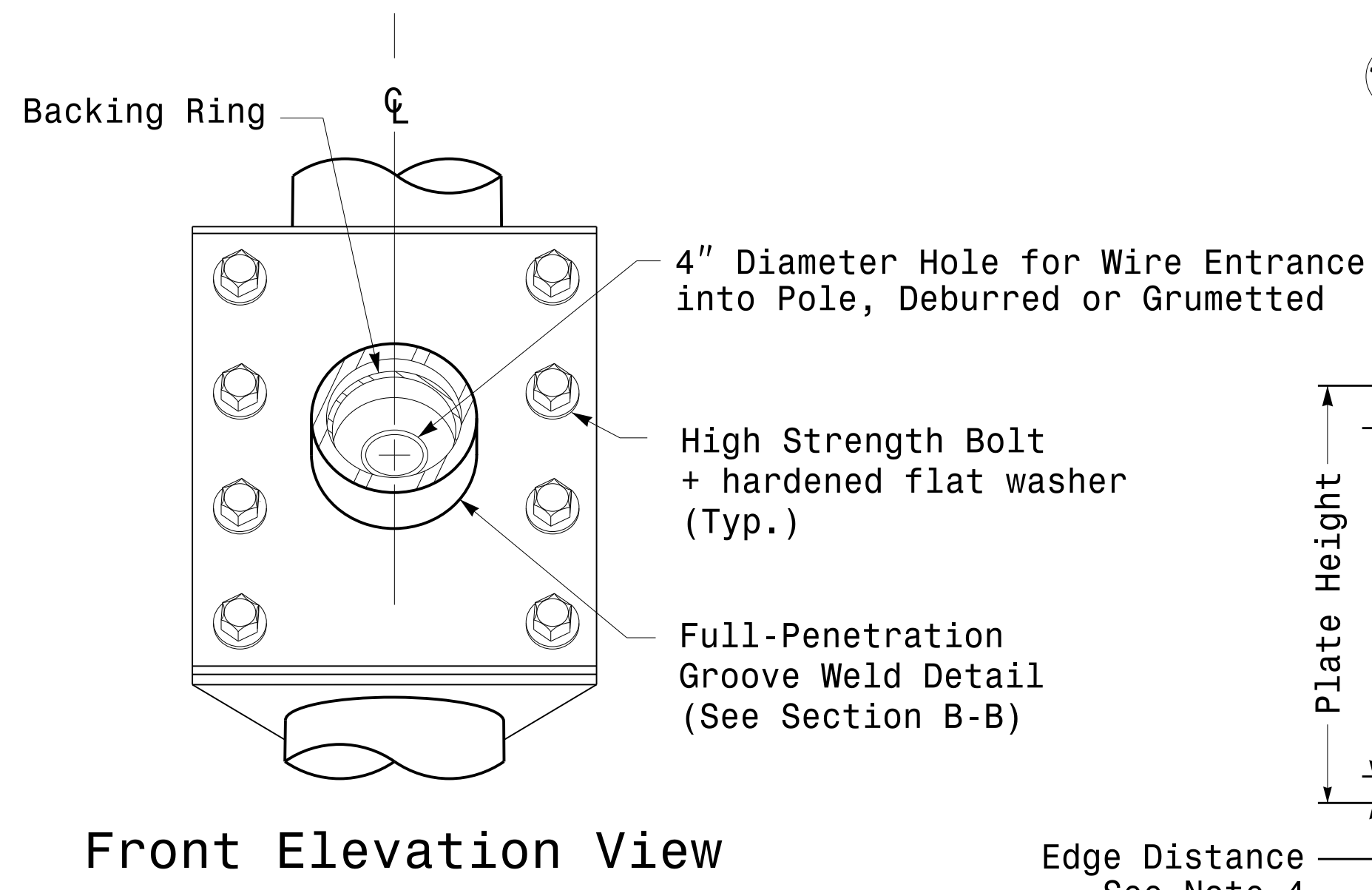
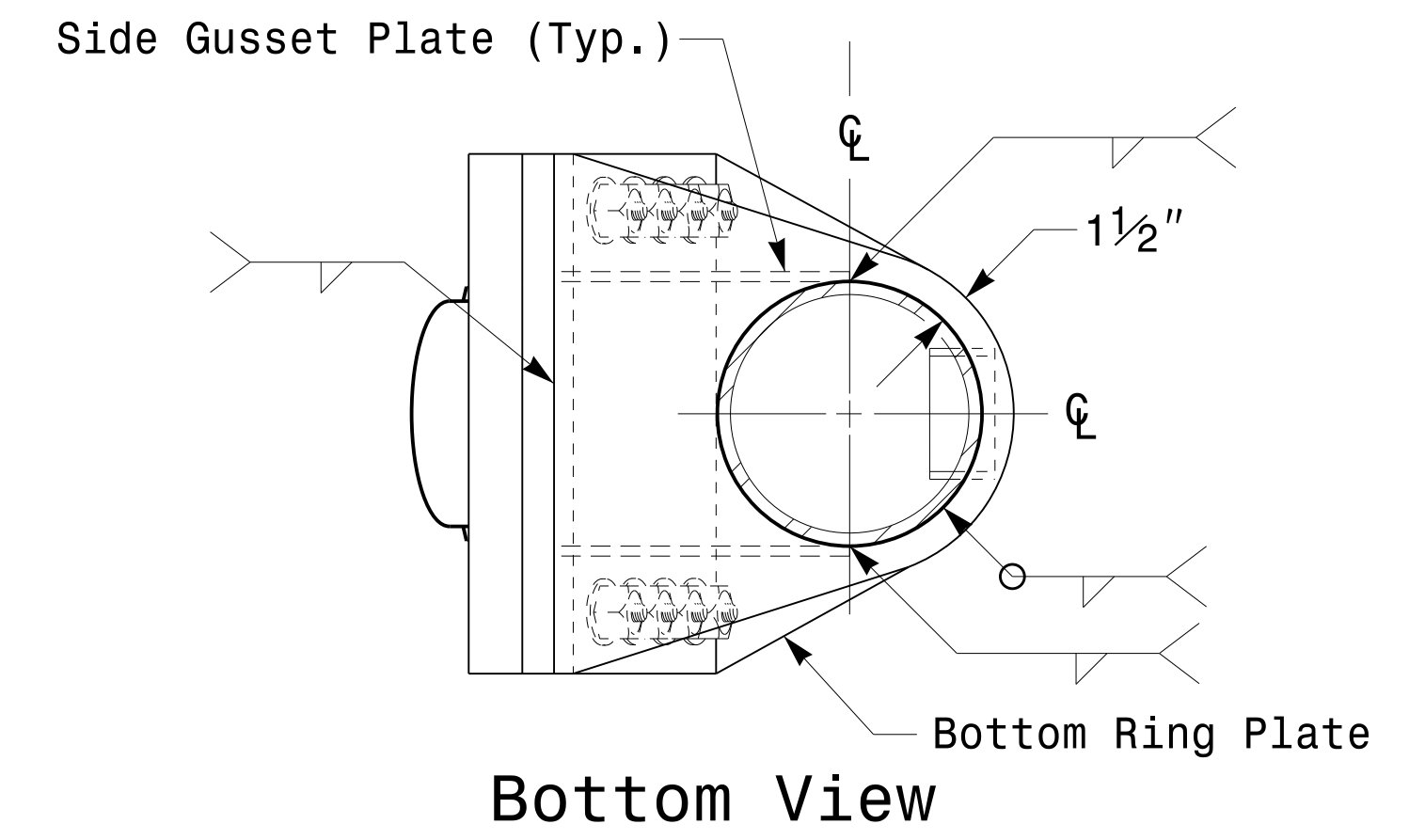
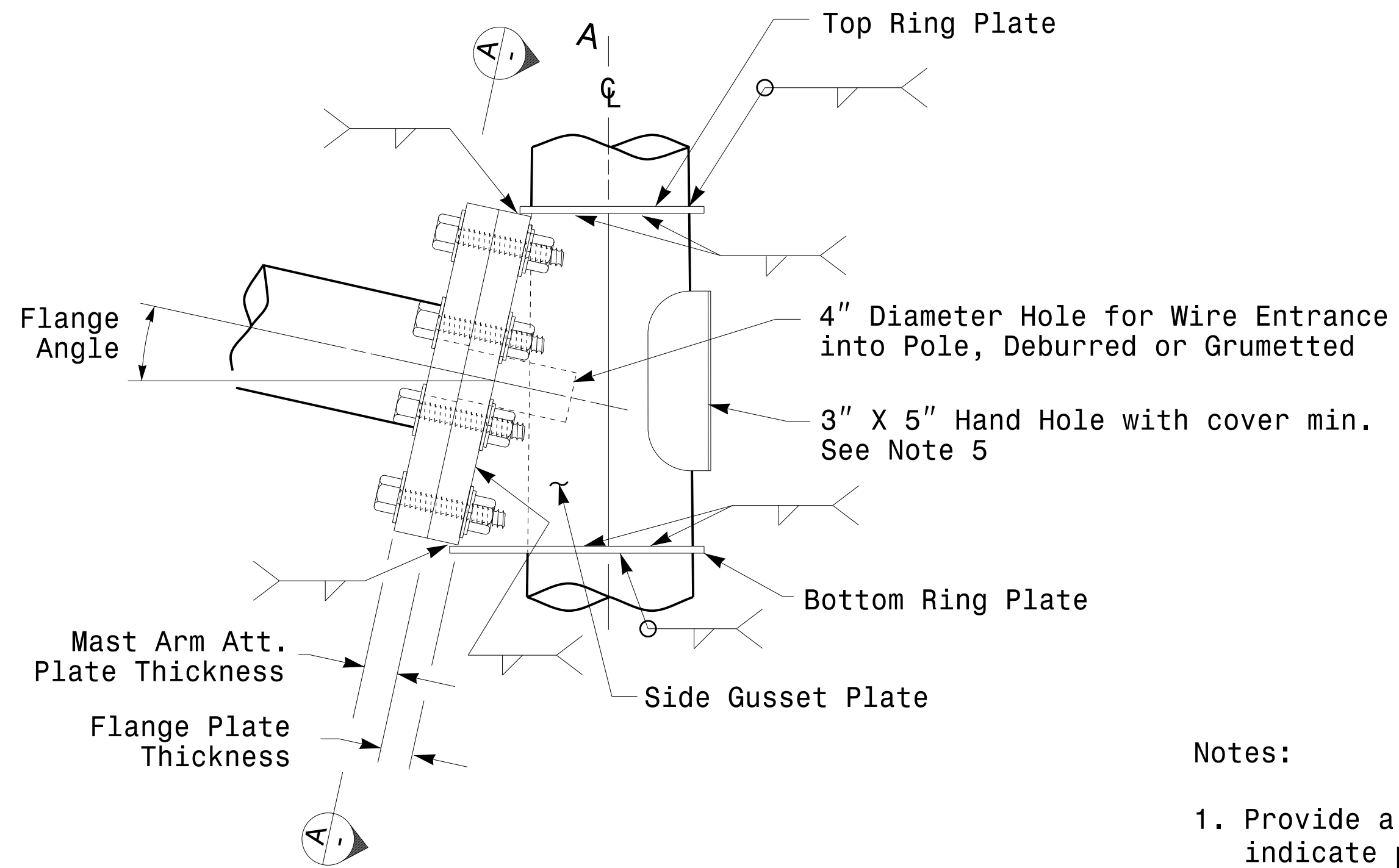
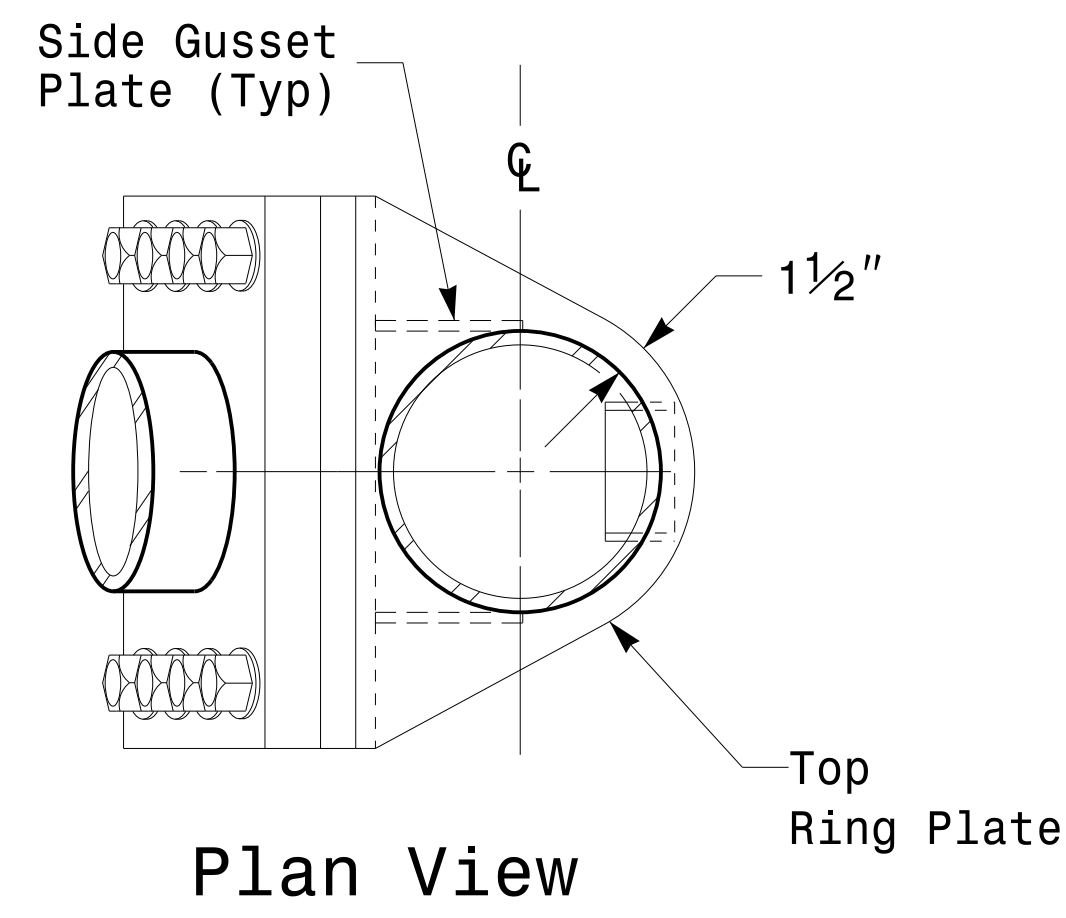
Fabrication Details - Mast Arm Poles

Welded Ring Stiffened Mast Arm Connection

PROJECT ID. NO.

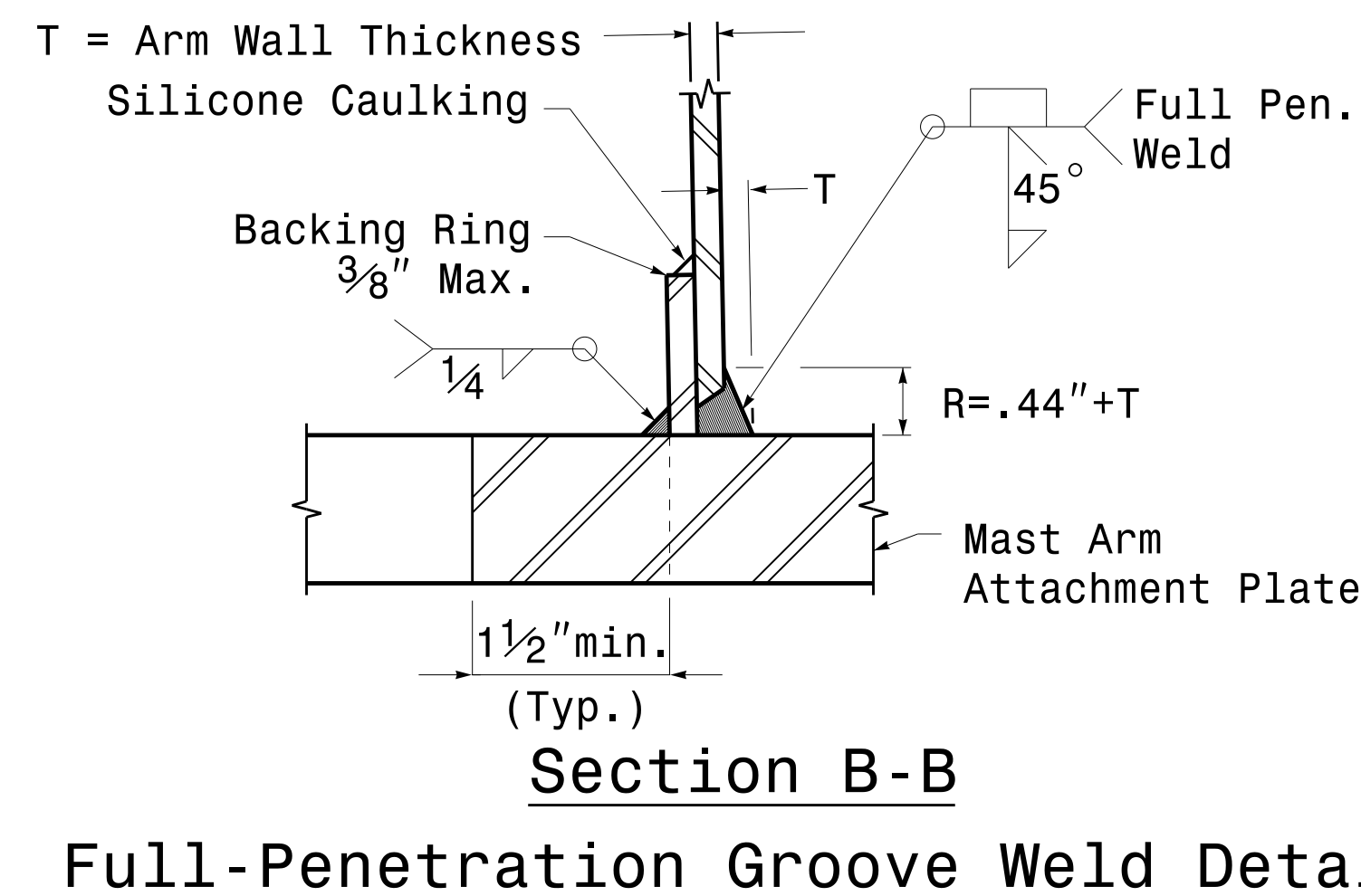
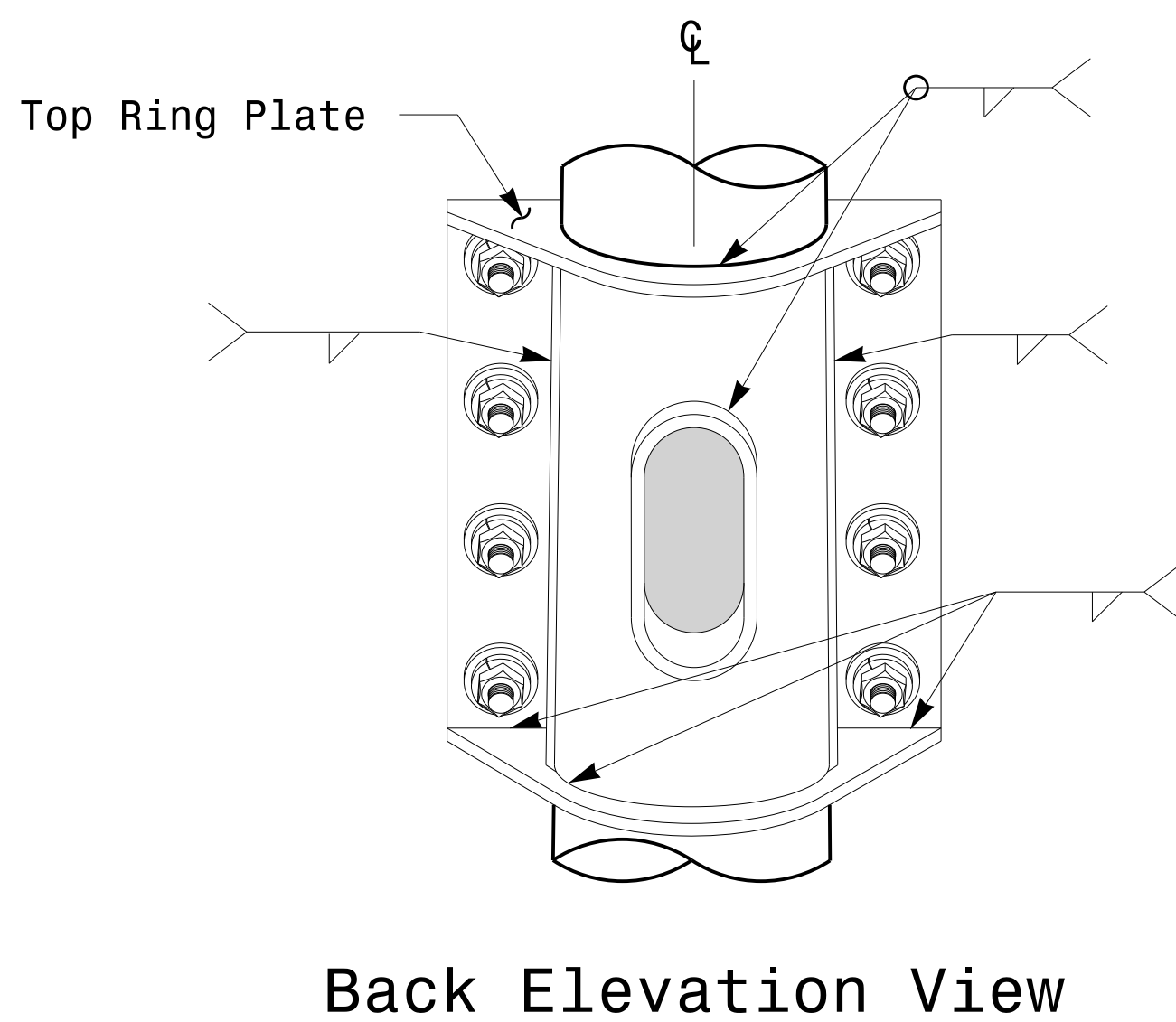
SHEET NO.

Sig.M5



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 follow AISC Table J3.4 and J3.5. For nominal bolt hole size use Table J3.3.
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.



Prepared in the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE: 0 NA NONE

Typical Fabrication Details For Mast Arm Connection To Pole	
PLAN DATE: OCTOBER 2017	DESIGNED BY: C.F. ANDREWS
PREPARED BY: N. BITTING	REVIEWED BY: D.C. SARKAR
REVISIONS	INIT. DATE

SEAL

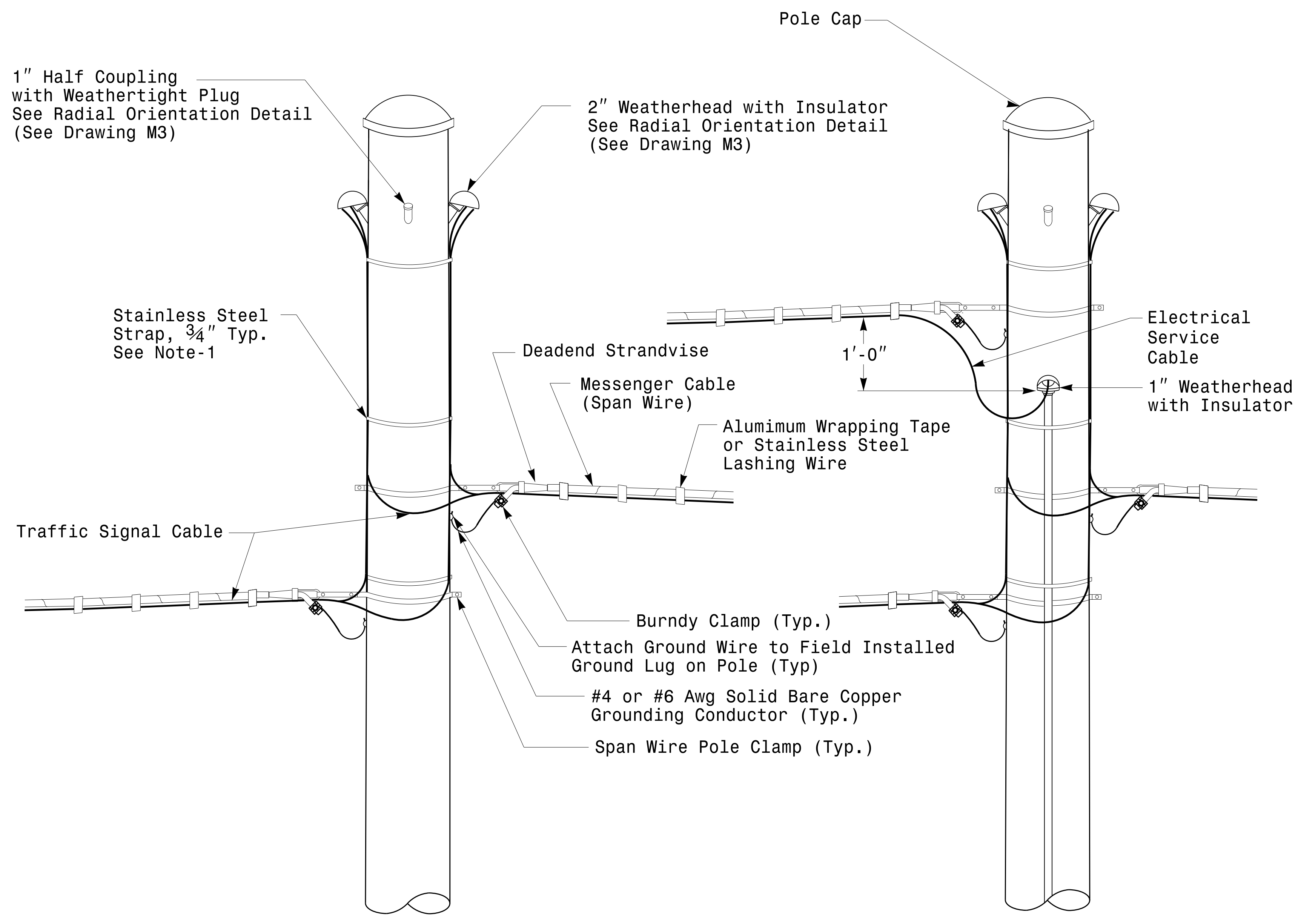
Discussed by: D.C. Sarkar

10/11/2017

DATE

Fabrication Details - Mast Arm Connection

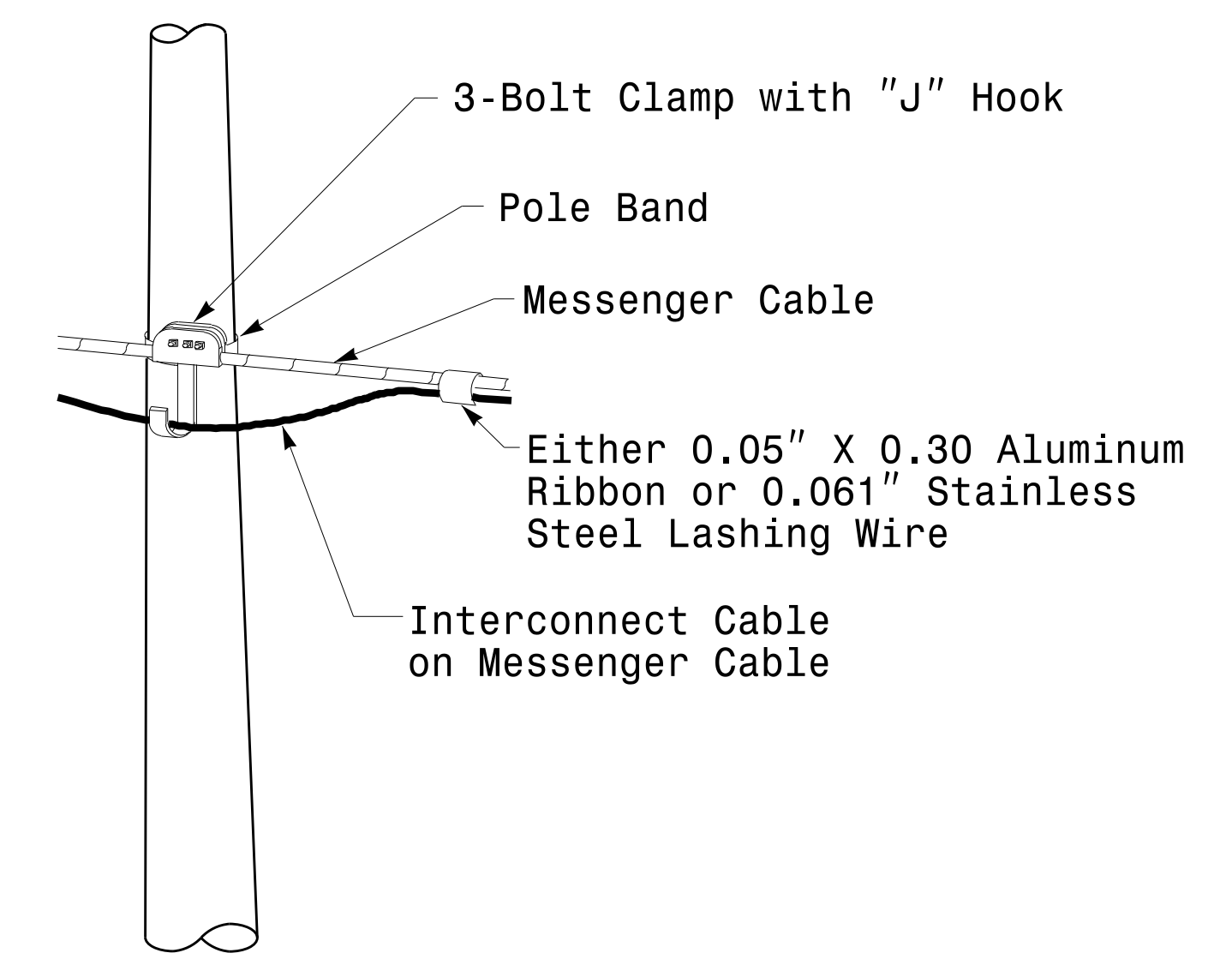
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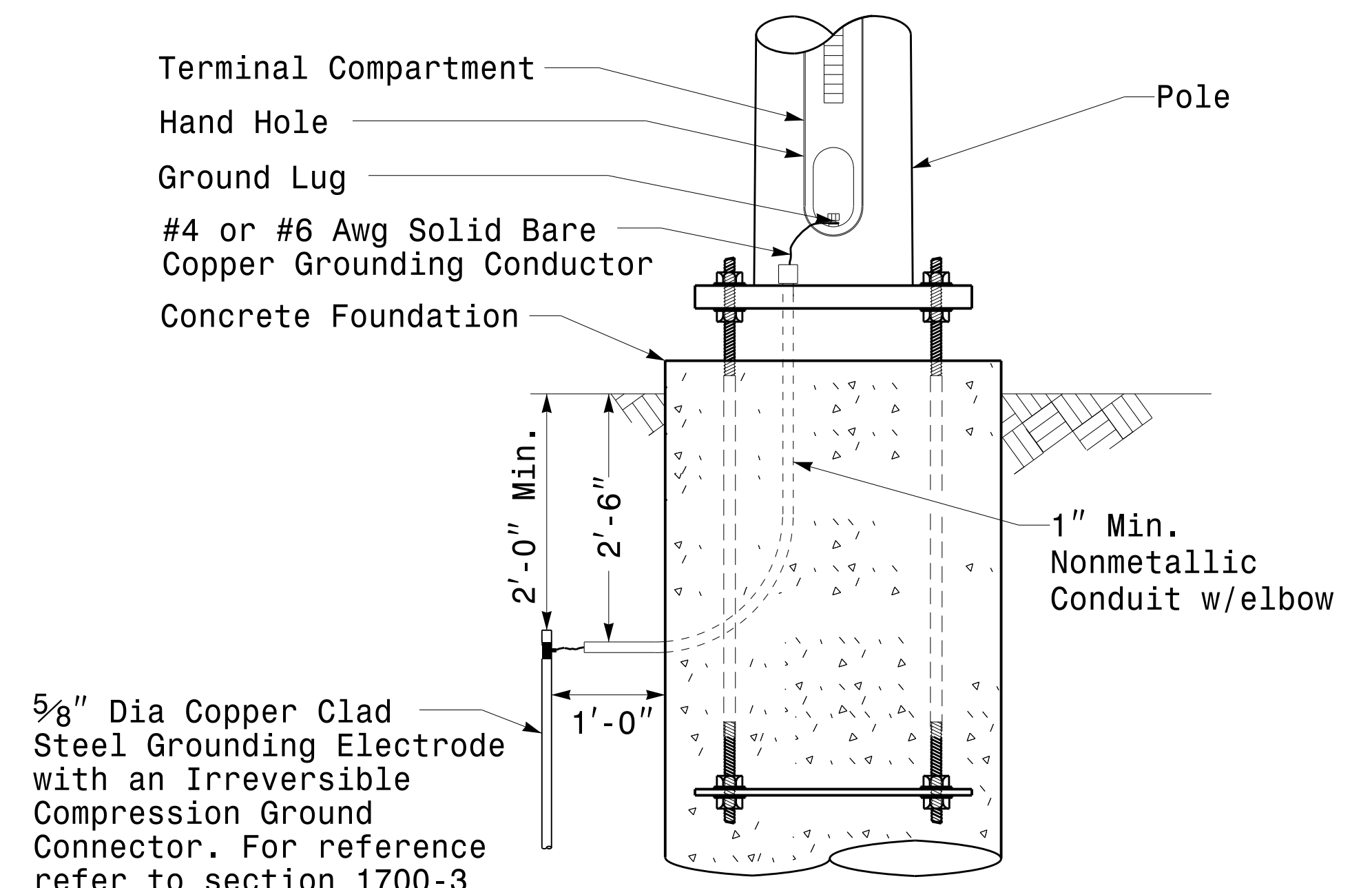
Strain Pole Attachments

NOTE:

1. Strap all signal cables to the side of the pole with 3/4" stainless steel straps when the distance between the spanwire attachment clamp and the weatherheads exceeds 3'-0".
2. Provide minimum two spanwire 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 2018.



Attachment of Cable to Intermediate Metal Pole



Metal Pole Grounding Detail For Strain Pole and Mast Arm

11-0CT-2017-08:36 136504115 StrainPole.dgn Design Section Eastern Region 11/16/2014 Sig.M6 Std. Fabrication Detail: Strain Poles.dgn

<p>750 N. Greenfield Pkwy, Garner, NC 27529</p>	<p>Typical Fabrication Details For Strain Pole Attachments</p>		
	<p>PLAN DATE: OCTOBER 2017</p>	<p>DESIGNED BY: C.F. ANDREWS</p>	
<p>SCALE: 0 NA NONE</p>	<p>PREPARED BY: N. BITTING</p>	<p>REVISIONS</p>	<p>INIT. DATE</p>
<p>DocuSigned by: <i>Deshi C. Sarkar</i></p>			<p>10/11/2017</p>

SOIL CONDITION

		STANDARD STRAIN POLES					STANDARD FOUNDATIONS 48" Diameter Drilled Pier Length (L) – Feet							Reinforcement				
		Case No.	Pole Height (Ft.)	Base Plate BC (In.)	Reactions at the Pole Base			Clay				Sand			Longitudinal		Stirrups	
					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.)
WIND ZONE 1	LIGHT	S26L3	26	25	2	11	270	19	13	10	8	17	14.5	12.5	8	12	4	12
		S30L3	30	25	2	11	300	19.5	13.5	10	8	17.5	15	13	8	14	4	12
		S35L3	35	25	3	11	320	20	13.5	10.5	8	17.5	15	13	8	14	4	12
	HEAVY	S30H3	30	29	3	16	450	24.5	16	12	9	21	17.5	15	8	16	4	6
		S35H3	35	29	4	16	515	26	17	12.5	9.5	22	18.5	16	8	16	4	6
WIND ZONE 2	LIGHT	S26L2	26	23	2	10	245	18	12.5	9.5	8	16.5	14	12	8	12	4	12
		S30L2	30	23	2	10	270	18.5	12.5	10	8	16.5	14	12.5	8	12	4	12
		S35L2	35	23	3	10	300	19.5	13	10	8	17	14.5	13	8	12	4	12
	HEAVY	S30H2	30	29	3	15	415	23	15.5	11.5	9	20	17	14.5	8	16	4	6
		S35H2	35	29	4	15	475	25	16.5	12	9.5	21	17.5	15.5	8	16	4	6
WIND ZONE 3	LIGHT	S26L2	26	23	2	10	245	18	12.5	9.5	8	16.5	14	12	8	12	4	12
		S30L2	30	23	2	10	270	18.5	12.5	10	8	16.5	14	12.5	8	12	4	12
		S35L2	35	23	3	10	300	19.5	13	10	8	17	14.5	13	8	12	4	12
	HEAVY	S30H2	30	29	3	15	415	23	15.5	11.5	9	20	17	14.5	8	16	4	6
		S35H2	35	29	4	15	475	25	16.5	12	9.5	21	17.5	15.5	8	16	4	6
WIND ZONE 4	LIGHT	S26L1	26	22	2	8	190	16	11.5	8.5	8	15	12.5	11	8	12	4	12
		S30L1	30	22	2	8	205	16.5	11.5	9	8	15	13	11.5	8	12	4	12
		S35L1	35	22	3	8	230	17	12	9	8	15.5	13.5	11.5	8	12	4	12
	HEAVY	S30H1	30	25	3	12	320	20.5	13.5	10.5	8	18	15	13.5	8	16	4	6
		S35H1	35	25	4	12	350	21	14	10.5	8.5	18.5	15.5	13.5	8	16	4	6
WIND ZONE 5	LIGHT	S26L2	26	23	2	10	245	18	12.5	9.5	8	16.5	14	12	8	12	4	12
		S30L2	30	23	2	10	270	18.5	12.5	10	8	16.5	14	12.5	8	12	4	12
		S35L2	35	23	3	10	300	19.5	13	10	8	17	14.5	13	8	12	4	12
	HEAVY	S30H2	30	29	3	15	415	23	15.5	11.5	9	20	17	14.5	8	16	4	6
		S35H2	35	29	4	15	475	25	16.5	12	9.5	21	17.5	15.5	8	16	4	6

General Notes:

1. Values shown in the "Reactions at the Pole Base" column represent the minimum acceptable capacity allowed for design using a design CSR of 1.00.
2. Use chairs and spacers to maintain proper clearance.
3. For foundation, always use air-entrain concrete mix.

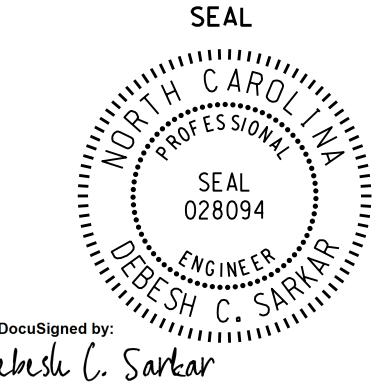
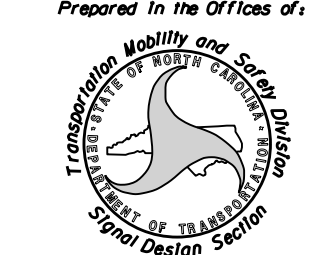
Foundation Selection:

1. Perform a standard penetration test at each proposed foundation site to determine "N" value.
2. Select the appropriate wind zone from M 1 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 for Reference Drilled Shafts.

Standard Strain Pole Foundation–All Soil Condition

48" Dia. Foundations Concrete Volume (cubic yards) = (0.465) x Drilled Pier Length

I:\Projects\2017_08-10\Sigs.M8\15 Signal\Signal Design Section\Eastern Region\M8_Sheets\2016\2014 Sig.M8 Std. Strain Pole Found.-Saturated Soil -Cond.H11on.dgn
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 mzi:insgr

 SEAL NORTH CAROLINA PROFESSIONAL ENGINEER 028094 DEEPAK C. SARKAR	Standard Strain Pole Foundation for All Soil Conditions	
	PLAN DATE: OCTOBER 2017 DESIGNED BY: C.B. COGDILL PREPARED BY: N. BITTING REVIEWED BY: D.C. SARKAR	REVISIONS Changed "Foundation Depth" to "Drilled Pier Length" in Conc. Egn. N.B. DATE 7/12/2015
	SCALE: 0 NA NONE Prepared in the Office of:  750 N. Greenfield Pkwy, Garner, NC 27529	Documented by: <i>D. C. Sarkar</i> DATE: 11/11/2017

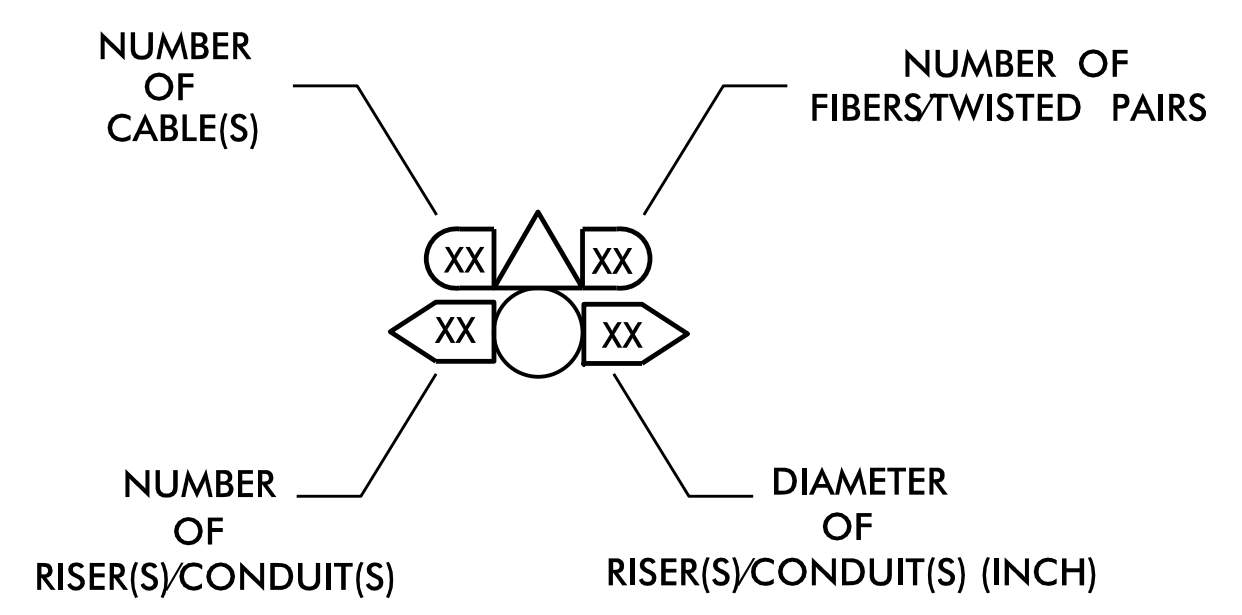
- | | |
|--|---|
| 1 INSTALL COMPOSITE CCTV CABLE | 29 INSTALL UNDERGROUND SPLICE ENCLOSURE |
| 2 INSTALL LOW VOLTAGE POWER CABLE (24VAC) | 30 INSTALL AERIAL SPLICE ENCLOSURE |
| 3 INSTALL CATEGORY 5E CABLE | 31 INSTALL SPLICE CABINET |
| 4 INSTALL SMFO CABLE | 32 MODIFY EXISTING SPLICE ENCLOSURE OR INTERCONNECT CENTER |
| 5 NOT USED | 33 REMOVE EXISTING SPLICE /HUB /CCTV CABINET |
| 6 INSTALL FIBER-OPTIC DROP CABLE | 34 INSTALL CABINET FOUNDATION |
| 7 INSTALL TRACER WIRE | 35 REMOVE EXISTING CABINET FOUNDATION |
| 8 INSTALL CONDUIT UNDERGROUND | 36 INSTALL CCTV CAMERA ASSEMBLY |
| 9 INSTALL PVC CONDUIT | 37 INSTALL CCTV WOOD POLE |
| 10 INSTALL RIGID, GALVANIZED STEEL CONDUIT | 38 INSTALL STANDARD SIZE JUNCTION BOX |
| 11 INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD | 39 INSTALL SPECIAL-SIZED JUNCTION BOX (36" x 24" x 24") |
| 12 INSTALL RIGID, GALVANIZED STEEL RISER WITH HEAT SHRINK TUBING | 40 INSTALL OVER-SIZED JUNCTION BOX |
| 13 INSTALL HEAT SHRINK TUBING RETROFIT KIT | 41 REMOVE EXISTING JUNCTION BOX |
| 14 INSTALL HIGH DENSITY POLYETHYLENE CONDUIT | 42 INSTALL WOOD POLE |
| 15 DIRECTIONAL DRILL CONDUIT | 43 REMOVE EXISTING WOOD POLE |
| 16 BORE AND JACK CONDUIT | 44 INSTALL AERIAL GUY ASSEMBLY |
| 17 INSTALL CABLE(S) IN EXISTING CONDUIT | 45 INSTALL STANDARD GUY ASSEMBLY |
| 18 INSTALL CABLE(S) IN NEW CONDUIT | 46 INSTALL SIDEWALK GUY ASSEMBLY |
| 19 INSTALL CABLE(S) IN EXISTING RISER(S) | 47 INSTALL MESSENGER CABLE |
| 20 INSTALL CABLE(S) IN NEW RISER(S) | 48 REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE |
| 21 INSTALL CABLE(S) IN EXISTING CABINET ENTRANCE | 49 REMOVE EXISTING COMMUNICATIONS CABLE |
| 22 INSTALL NEW CONDUIT INTO CABINET BASE (USE EX CABINET ENTRANCE WHEN AVAILABLE) | 50 INSTALL WIRELESS DSL |
| 23 INSTALL NEW RISER INTO CABINET BASE (USE EX CABINET ENTRANCE WHEN AVAILABLE) | 51 INSTALL CABLE STORAGE GUIDE(S) SNOW SHOE(S) AND STORE 100 FEET OF EACH CABLE |
| 24 INSTALL NEW CONDUIT INTO POLE MOUNTED CABINET | 52 INSTALL DELINEATOR MARKER |
| 25 INSTALL NEW RISER INTO POLE MOUNTED CABINET | 53 STORE 50 FEET OF COMMUNICATIONS CABLE (EACH CABLE) |
| 26 INSTALL DIGITAL VIDEO ENCODER | 54 LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE |
| 27A INSTALL NEW ETHERNET EDGE SWITCH IN CABINET | 55 LASH CABLE(S) TO EXISTING MESSENGER CABLE |
| 27B REUSE/RELOCATE EXISTING ETHERNET EDGE SWITCH | 56 LASH CABLE(S) TO NEW MESSENGER CABLE |
| 28 INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPLICE CABLE IN CABINET | 57 MODIFY EXISTING ELECTRICAL SERVICE FOR CCTV |
| | 58 INSTALL NEW ELECTRICAL SERVICE FOR CCTV |
| | 59 INSTALL NEW POLE MOUNTED CCTV CABINET (336) |
| | 60 INSTALL NEW BUILDING MOUNTED CCTV CABINET (336) |
| | 61 REMOVE EXISTING CCTV CAMERA ASSEMBLY |
| | 62 NEW CABINET ENTRANCE INTO NEW FOUNDATION |
| | 63 INTERCEPT EXISTING JUNCTION BOX WITH NEW CONDUIT |
| | 64 INTERCEPT AND REROUTE EXISTING CONDUITS |
| | 65 BOND MESSENGER TO POLE GROUND |
| | 66 BOND RISER TO POLE GROUND |
| | 67 BOND TRACER WIRE TO EQUIPMENT GROUND BUS |
| | 68 INSTALL NEW COVER ON OVER-SIZED JUNCTION BOX |
| | 69 INSTALL NEW BASE MOUNTED CCTV CABINET (336-A) |
| | 70 INSTALL NEW POLE MOUNTED CCTV CABINET (NEMA TYPE 4) |
| | 71 HANDLASH AND INSTALL AERIAL CABLE PROTECTOR |

- LEGEND**
- | | |
|----------|---|
| FO | NEW FIBER OPTIC COMMUNICATIONS CABLE |
| TWIST PR | NEW TWISTED PAIR 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 |
| B&J | NEW BORED AND JACKED CONDUIT |

- | | | | |
|---------|---------------------------|------|--|
| □ | NEW JUNCTION BOX | ∞ | NEW CABLE STORAGE RACKS (SNOW SHOES) |
| ■ | EXISTING JUNCTION BOX | ⌢ | EXISTING CABLE STORAGE RACK (SNOW SHOE) |
| ○ | NEW WOOD POLE | ⊗ | EXISTING CONTROLLER AND CABINET |
| ● | EXISTING WOOD POLE | ⊠ | NEW CCTV CABINET |
| ⊙ | AERIAL SPLICE ENCLOSURE | ⊞ | EXISTING SPLICE CABINET |
| ⊚ | NEW METAL POLE | ⊟ | NEW SPLICE CABINET |
| ⊛ | EXISTING METAL POLE | SP | SIGNAL POLE |
| ⊜ | NEW CCTV ASSEMBLY | ⊞ | FLAT PANEL ANTENNA (SINGLE) |
| ⊝ | EXISTING CCTV ASSEMBLY | ⊞ | YAGI ANTENNA (DOUBLE) FOR REPEATER OPERATION |
| ⊞ | NEW STANDARD GUY ASSEMBLY | ⊞ | YAGI ANTENNA (SINGLE) |
| ⊟ | NEW SIDEWALK GUY ASSEMBLY | ⊞ | OMNI ANTENNA |
| XX-XXXX | SIGNAL INVENTORY NUMBER | (S#) | EXISTING FIBER SPLICE POINT |
| (S#) | NEW FIBER SPLICE POINT | | |

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) |

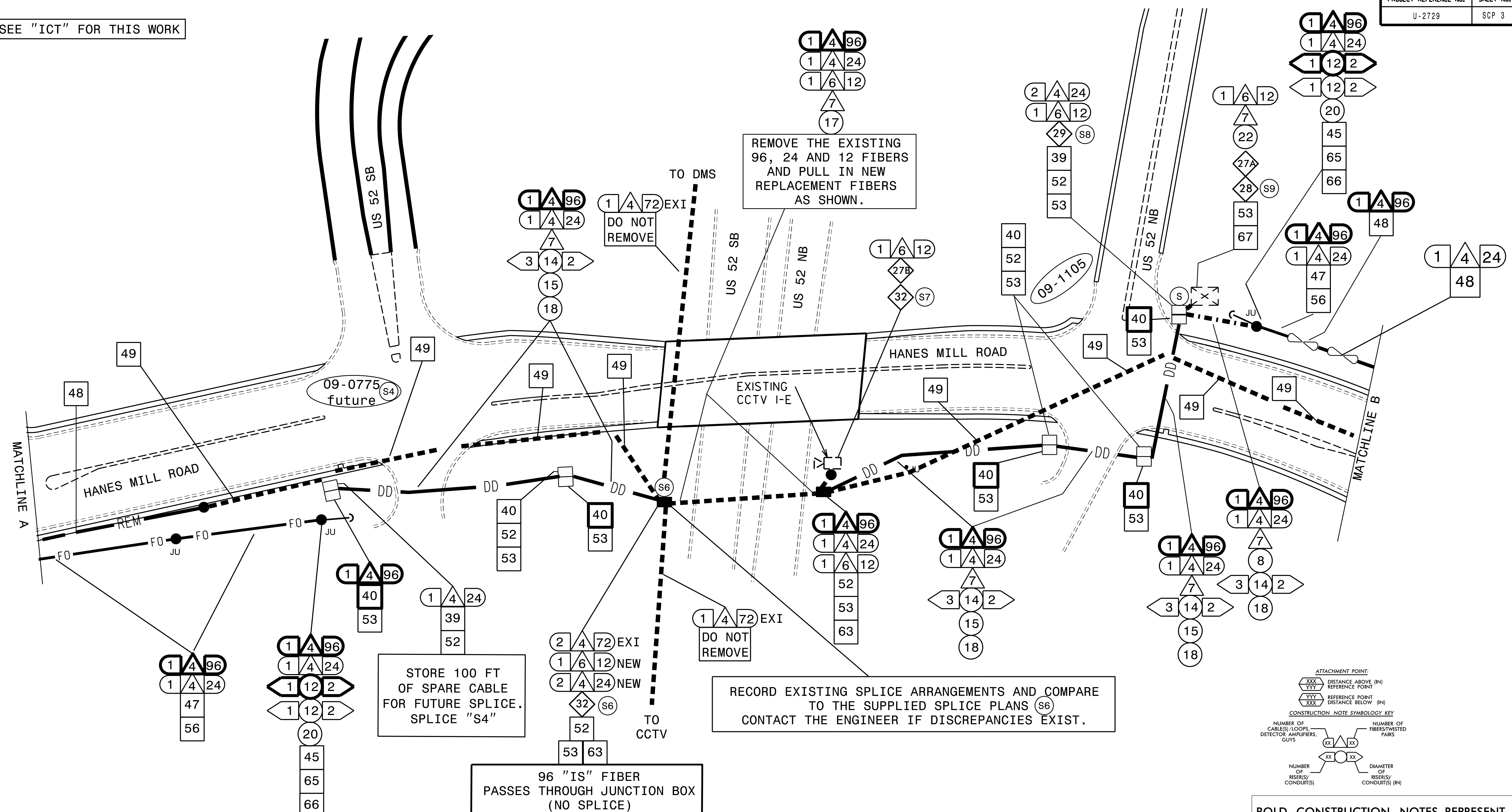


- ATTACHMENT POINT:**
- | | |
|---------------|--|
| XX"/SS
YYY | DISTANCE ABOVE (IN) ATTACHMENT POINT REFERENCE POINT |
| YYY
XX"/SS | REFERENCE POINT DISTANCE BELOW (IN) ATTACHMENT POINT |
- "SS" REFERENCE LOCATION**
- FS = FRONT SIDE OF POLE
BS = BACK SIDE OF POLE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

 7621 Pur-Foy Road, Suite 115 Fuquay-Varina, NC 27526 www.mottmac.com License No. F-0669	 RUSSELL W. THOMPSON ENGINEER SEAL 032711	CONSTRUCTION NOTES	
		DIVISION 09 FORSYTH COUNTY WINSTON-SALEM PLAN DATE: February 2023 REVIEWED BY: RW THOMPSON PREPARED BY: IN AVERY REVIEWED BY:	REVISIONS INIT. DATE
Signature: _____ Date: _____ CADD Filename: \$FILENAME\$.			

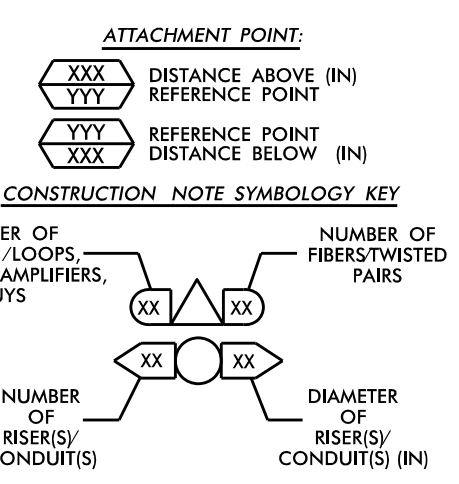
SEE "ICT" FOR THIS WORK



STORE 100 FT OF SPARE CABLE FOR FUTURE SPLICE. SPLICE "S4"

96 "IS" FIBER PASSES THROUGH JUNCTION BOX (NO SPLICE)

RECORD EXISTING SPLICE ARRANGEMENTS AND COMPARE TO THE SUPPLIED SPLICE PLANS (S6) CONTACT THE ENGINEER IF DISCREPANCIES EXIST.



BOLD CONSTRUCTION NOTES REPRESENT "IS FIBER" WORK
SEE SHEET "SCP 2" FOR PROJECT CONSTRUCTION NOTES

GENERAL CONSTRUCTION NOTES:

- 1). FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE CITY OF WINSTON-SALEM'S SIGNAL SYSTEM SUPERVISOR, AT (336) 748-3228 TO ARRANGE FOR THE CITY TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATIONS DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE SIGNAL SYSTEM SUPERVISOR 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.

ADDITIONALLY, FIVE (5) DAYS PRIOR TO BEGINNING WORK NOTIFY THE CITY OF WINSTON-SALEM'S "COORDINATOR OF INFRASTRUCTURE SERVICES", AT (336) 747-7016 ABOUT PENDING DISRUPTIONS IN SERVICE.

ADDITIONALLY, FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE NCDOT 72 FIBER TRUNK CABLE, CONTACT THE NCDOT REGIONAL ITS ENGINEER, MIKE VENABLE, AT (336) 315-7080, TO NOTIFY THE DIVISION OF PENDING OUTAGES. NOTIFY THE REGIONAL ITS ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE 72 FIBER TRUNK CABLE IS BACK UP AND OPERATIONAL.

- 2). CONTRACTOR TO RECORD EXISTING SPLICE ARRANGEMENTS 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 ARRANGEMENTS DIFFERS FROM THE SUPPLIED SPLICE DETAILS.
- 3). PRIOR TO REMOVING ANY EXISTING SIGNAL SYSTEM FIBER OR CITY "IS" FIBER, INSTALL THE NEW FIBER OPTIC CABLE ALONG THE ENTIRE PROJECTS ROUTE. THE CUT WORK SHALL NOT EXCEED 48 HOURS IN DURATION. THIS WORK IS NOT COMPLETED UNTIL ALL SYSTEMS ARE BACK UP AND OPERATIONAL.

PROJECT CONSTRUCTION NOTES:

1. UNLESS OTHERWISE NOTED:
 - OVERLASH NEW FIBER OPTIC CABLE TO EXISTING COMMUNICATIONS CABLE.
 - ATTACH NEW MESSENGER CABLE 40" BELOW POWER.
 - ATTACH ON FRONT SIDE (FS) OF POLE.
2. SEAL ALL CONDUIT ENDS WITH DUCT AND CONDUIT SEALER, AT ALL JUNCTION BOX / CABINET ENTRANCES.
3. UPON REMOVING AN EXITING FIBER CIRCUIT FROM ITS CONDUIT SYSTEM, BACK FILL THE JUNCTION BOX WITH A SUITABLE MATERIAL. ABANDON CONDUIT IN PLACE.

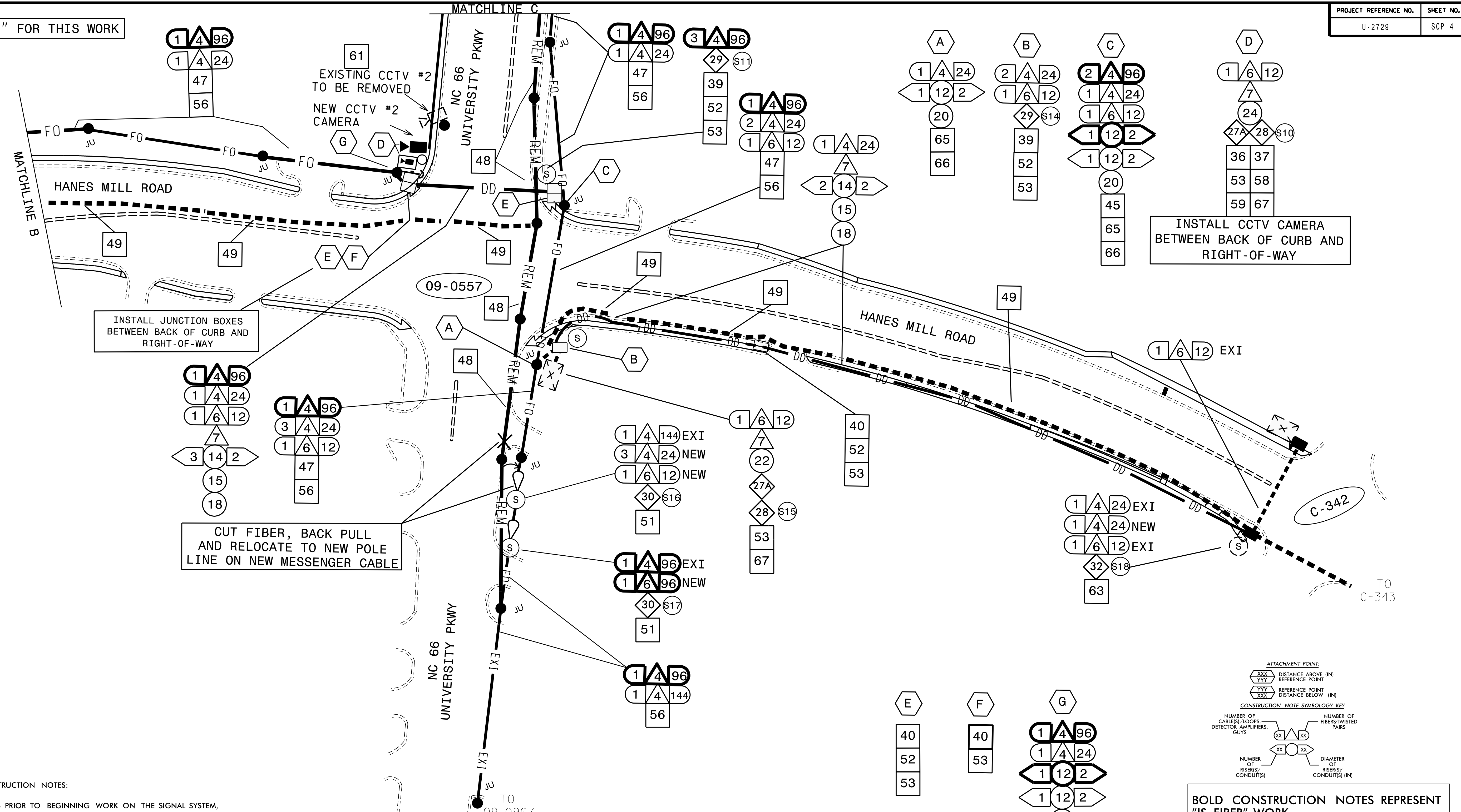
TMP (PHASE II)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

 7621 Purfoy Road, Suite 115 Fuquay-Varina, NC 27526 License No. F-0669	 Prepared for the Offices of: Transportation, Mobility and Safety Division DEPARTMENT OF TRANSPORTATION 750 Greenfield Parkway, Garner, NC 27529	Winston-Salem Signal System Cable Routing Plans		SEAL RUSSELL W. THOMPSON ENGINEER SEAL 032711
		DIVISION 09 Forsyth County Winston-Salem PLAN DATE: February 2023 REVIEWED BY: RW THOMPSON PREPARED BY: IN AVERY REVIEWED BY:	REVISIONS INIT. DATE	

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SEE "ICT" FOR THIS WORK



GENERAL CONSTRUCTION NOTES:

- FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE CITY OF WINSTON-SALEM'S SIGNAL SYSTEM SUPERVISOR, AT (336) 748-3228 TO ARRANGE FOR THE CITY TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATIONS DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE SIGNAL SYSTEM SUPERVISOR 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.
- CONTRACTOR TO RECORD EXISTING SPLICE ARRANGEMENTS 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 ARRANGEMENTS DIFFERS FROM THE SUPPLIED SPLICE DETAILS.
- PRIOR TO REMOVING ANY EXISTING SIGNAL SYSTEM FIBER OR CITY "IS" FIBER, INSTALL THE NEW FIBER OPTIC CABLE ALONG THE ENTIRE PROJECTS ROUTE. THE CUT WORK SHALL NOT EXCEED 48 HOURS IN DURATION. THIS WORK IS NOT COMPLETED UNTIL ALL SYSTEMS ARE BACK UP AND OPERATIONAL.

PROJECT CONSTRUCTION NOTES:

- UNLESS OTHERWISE NOTED:
 - OVERLASH NEW FIBER OPTIC CABLE TO EXISTING COMMUNICATIONS CABLE.
 - ATTACH NEW MESSENGER CABLE 40" BELOW POWER.
 - ATTACH ON FRONT SIDE (FS) OF POLE.
- SEAL ALL CONDUIT ENDS WITH DUCT AND CONDUIT SEALER, AT ALL JUNCTION BOX / CABINET ENTRANCES.
- UPON REMOVING AN EXITING FIBER CIRCUIT FROM ITS CONDUIT SYSTEM, BACK FILL THE JUNCTION BOX WITH A SUITABLE MATERIAL. ABANDON CONDUIT IN PLACE.

ATTACHMENT POINT:
 XXX DISTANCE ABOVE (IN)
 YYY REFERENCE POINT
 XXX REFERENCE POINT
 XXX DISTANCE BELOW (IN)

CONSTRUCTION NOTE SYMBOLOLOGY KEY

NUMBER OF CABLE(S)/LOOPS, DETECTOR, AMPLIFIERS, GUYS: (xx) (xx) (xx)

NUMBER OF FIBER/TWISTED PAIRS: (xx) (xx) (xx)

NUMBER OF RISER(S)/CONDUIT(S): (xx) (xx) (xx)

DIAMETER OF RISER(S)/CONDUIT(S) (IN): (xx) (xx) (xx)

BOLD CONSTRUCTION NOTES REPRESENT "IS FIBER" WORK

SEE SHEET "SCP 2" FOR PROJECT CONSTRUCTION NOTES

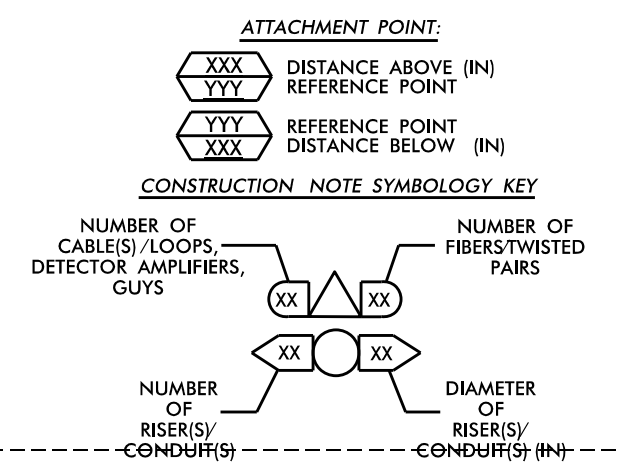
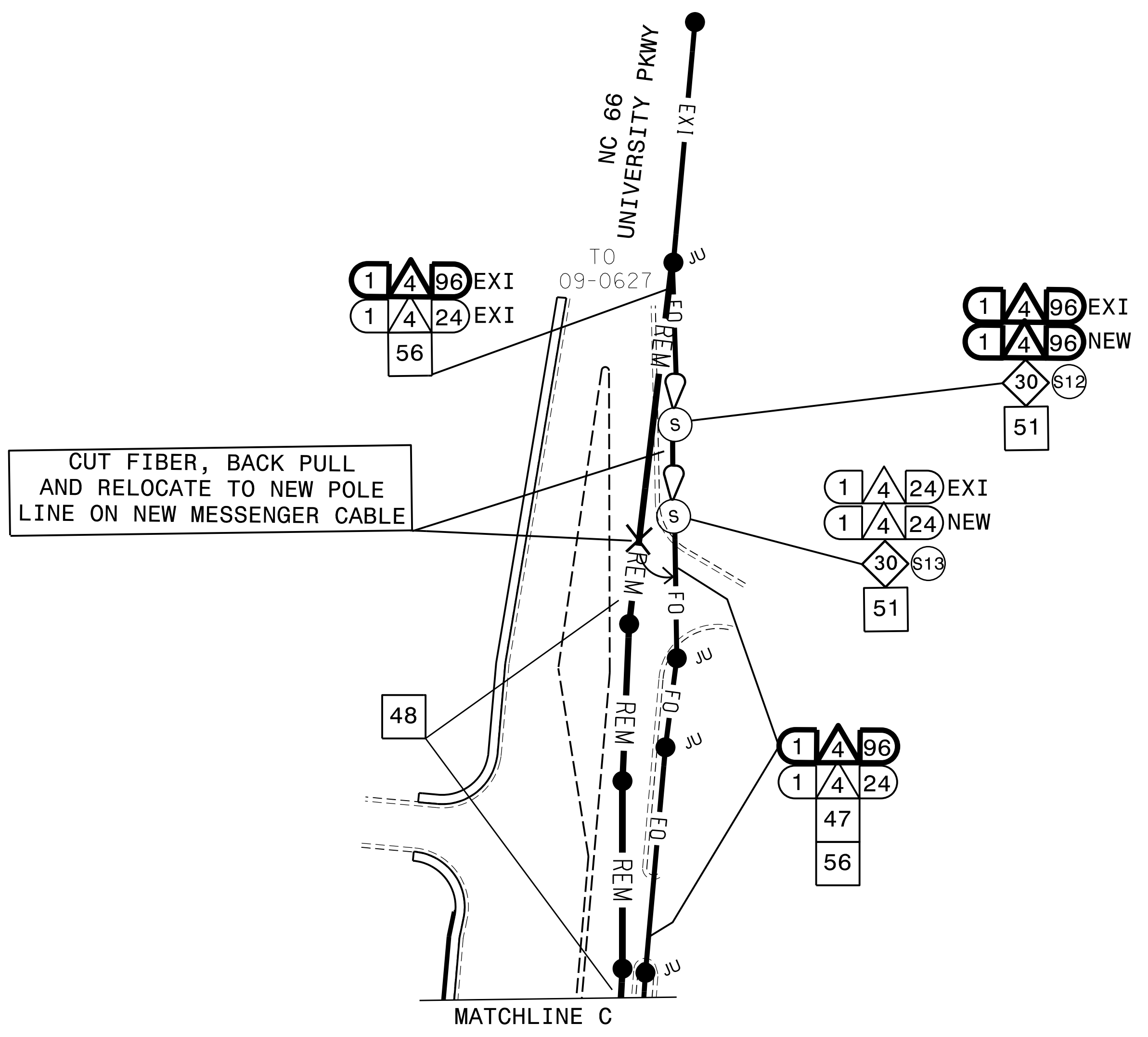
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TMP (PHASE II)

<p>MOTT MACDONALD 7621 Purfoy Road, Suite 115 Fuquay-Varina, NC 27526 License No. F-0669</p>	<p>Prepared for the Offices of: STATE OF NORTH CAROLINA Department of Transportation Transportation System</p>	Winston-Salem Signal System Cable Routing Plans		
		DIVISION 09 Forsyth County Winston-Salem		
		PLAN DATE: February 2023	REVIEWED BY: RW THOMPSON	
		PREPARED BY: IN AVERY	REVIEWED BY:	
SCALE: NONE		REVISIONS	INIT. DATE	SIGNATURE DATE
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SEE "ICT" FOR THIS WORK



GENERAL CONSTRUCTION NOTES:

1). FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE CITY OF WINSTON-SALEM'S SIGNAL SYSTEM SUPERVISOR, AT (336) 748-3228 TO ARRANGE FOR THE CITY TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATIONS DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE SIGNAL SYSTEM SUPERVISOR 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.

ADDITIONALLY, FIVE (5) DAYS PRIOR TO BEGINNING WORK NOTIFY THE CITY OF WINSTON-SALEM'S "COORDINATOR OF INFRASTRUCTURE SERVICES", AT (336) 747-7016 ABOUT PENDING DISRUPTIONS IN SERVICE.

2). CONTRACTOR TO RECORD EXISTING SPLICE ARRANGEMENTS 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 ARRANGEMENTS DIFFERS FROM THE SUPPLIED SPLICE DETAILS.

3). PRIOR TO REMOVING ANY EXISTING SIGNAL SYSTEM FIBER OR CITY "IS" FIBER, INSTALL THE NEW FIBER OPTIC CABLE ALONG THE ENTIRE PROJECTS ROUTE. THE CUT WORK SHALL NOT EXCEED 48 HOURS IN DURATION. THIS WORK IS NOT COMPLETED UNTIL ALL SYSTEMS ARE BACK UP AND OPERATIONAL.

PROJECT CONSTRUCTION NOTES:

1. UNLESS OTHERWISE NOTED:
 - OVERLASH NEW FIBER OPTIC CABLE TO EXISTING COMMUNICATIONS CABLE.
 - ATTACH NEW MESSENGER CABLE 40" BELOW POWER.
 - ATTACH ON FRONT SIDE (FS) OF POLE.

2. SEAL ALL CONDUIT ENDS WITH DUCT AND CONDUIT SEALER, AT ALL JUNCTION BOX / CABINET ENTRANCES.

3. UPON REMOVING AN EXITING FIBER CIRCUIT FROM ITS CONDUIT SYSTEM, BACK FILL THE JUNCTION BOX WITH A SUITABLE MATERIAL. ABANDON CONDUIT IN PLACE.

BOLD CONSTRUCTION NOTES REPRESENT "IS FIBER" WORK

SEE SHEET "SCP 2" FOR PROJECT CONSTRUCTION NOTES

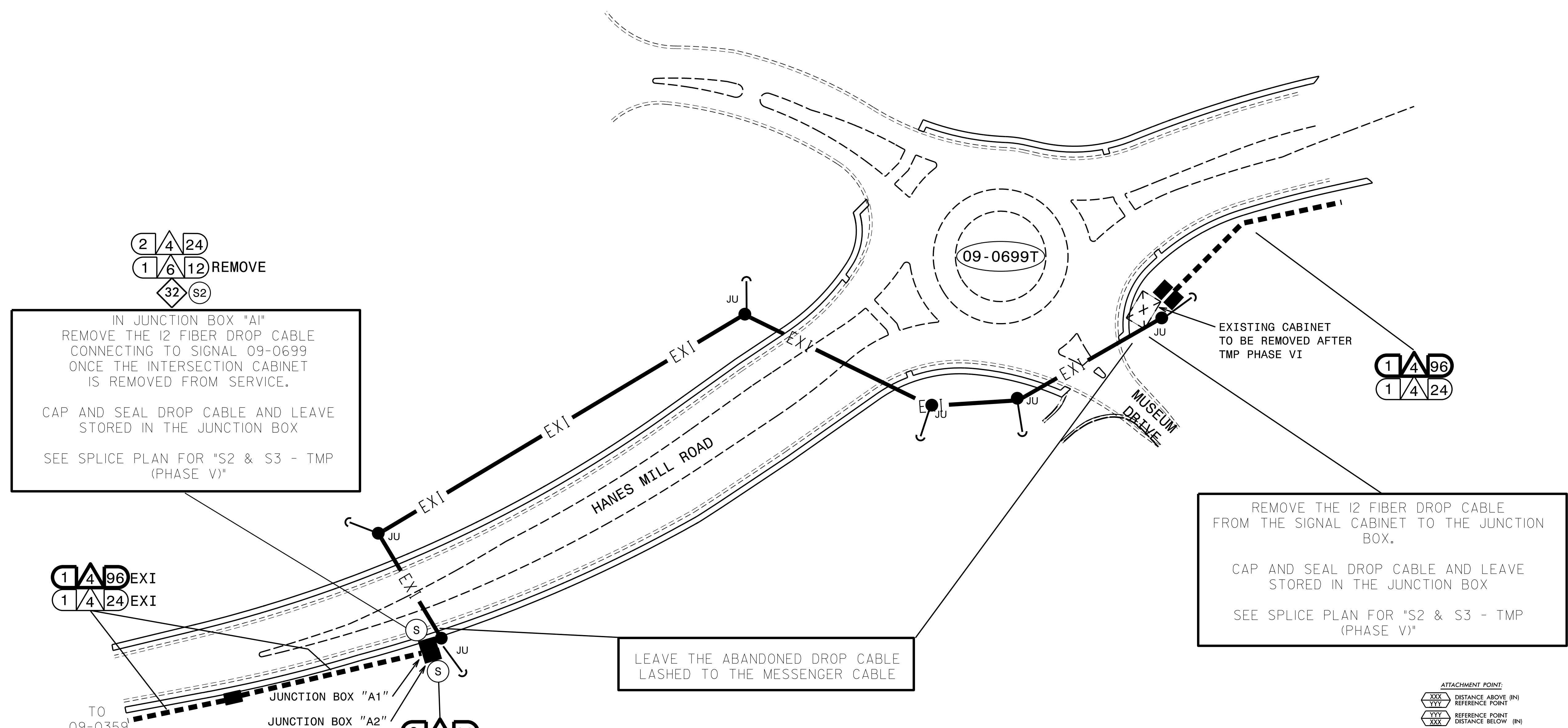
TMP (PHASE II)

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 MOTT MACDONALD <small>7621 Purfoy Road, Suite 115 Fuquay-Varina, NC 27526 www.motmac.com License No. F-0669</small>	 Prepared for the Offices of: Transportation, Mobility and Safety Division DEPARTMENT OF TRANSPORTATION STATE OF NORTH CAROLINA	Winston-Salem Signal System Cable Routing Plans		SEAL
	DIVISION 09 FORSYTH COUNTY WINSTON-SALEM		PLAN DATE: February 2023 REVIEWED BY: RW THOMPSON	
	PREPARED BY: IN AVERY REVIEWED BY:		REVISIONS INIT. DATE	
	SCALE: 0 NONE		SIGNATURE DATE	

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SEE "ICT" FOR THIS WORK



2 4 24
1 6 12 REMOVE
32 S2

IN JUNCTION BOX "A1"
REMOVE THE 12 FIBER DROP CABLE
CONNECTING TO SIGNAL 09-0699
ONCE THE INTERSECTION CABINET
IS REMOVED FROM SERVICE.

CAP AND SEAL DROP CABLE AND LEAVE
STORED IN THE JUNCTION BOX

SEE SPLICE PLAN FOR "S2 & S3 - TMP
(PHASE V)"

1 4 96
1 4 24

EXISTING CABINET
TO BE REMOVED AFTER
TMP PHASE VI

REMOVE THE 12 FIBER DROP CABLE
FROM THE SIGNAL CABINET TO THE JUNCTION
BOX.

CAP AND SEAL DROP CABLE AND LEAVE
STORED IN THE JUNCTION BOX

SEE SPLICE PLAN FOR "S2 & S3 - TMP
(PHASE V)"

1 4 96 EXI
1 4 24 EXI

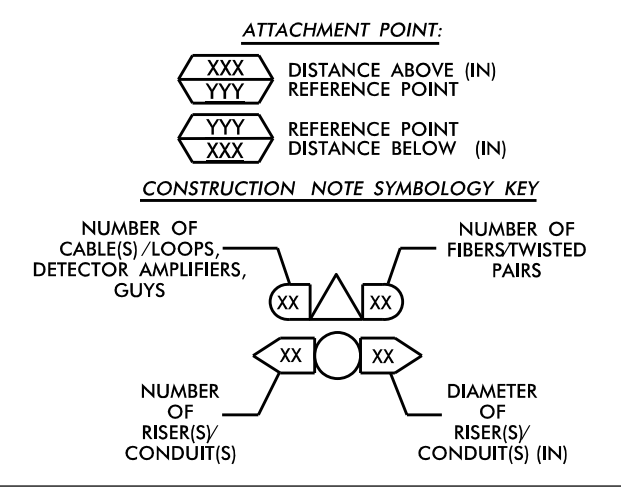
TO
09-0359

JUNCTION BOX "A1"
JUNCTION BOX "A2"

2 4 96

DO NOT DISTURB THE
96 "IT" FIBER IN JUNCTION BOX "A2".

LEAVE THE ABANDONED DROP CABLE
LASHED TO THE MESSENGER CABLE



BOLD CONSTRUCTION NOTES REPRESENT "IS FIBER" WORK

SEE SHEET "SCP 2" FOR PROJECT CONSTRUCTION NOTES

GENERAL CONSTRUCTION NOTES:

1). FIVE (5) DAYS PRIOR TO REMOVING SIGNAL 09-0669 FROM SERVICE, CONTACT THE CITY OF WINSTON-SALEM'S SIGNAL SYSTEM SUPERVISOR, AT (336) 748-3228 TO NOTIFY THEM THE SIGNAL IS BEING SCHEDULED FOR REMOVAL.

PROJECT CONSTRUCTION NOTES:

1. UNLESS OTHERWISE NOTED:
- OVERLASH NEW FIBER OPTIC CABLE TO EXISTING COMMUNICATIONS CABLE.
- ATTACH NEW MESSENGER CABLE 40" BELOW POWER.
- ATTACH ON FRONT SIDE (FS) OF POLE.

2. SEAL ALL CONDUIT ENDS WITH DUCT AND CONDUIT SEALER, AT ALL JUNCTION BOX / CABINET ENTRANCES.

3. UPON REMOVING AN EXISTING FIBER CIRCUIT FROM ITS CONDUIT SYSTEM, BACK FILL THE JUNCTION BOX WITH A SUITABLE MATERIAL ABANDON CONDUIT IN PLACE.

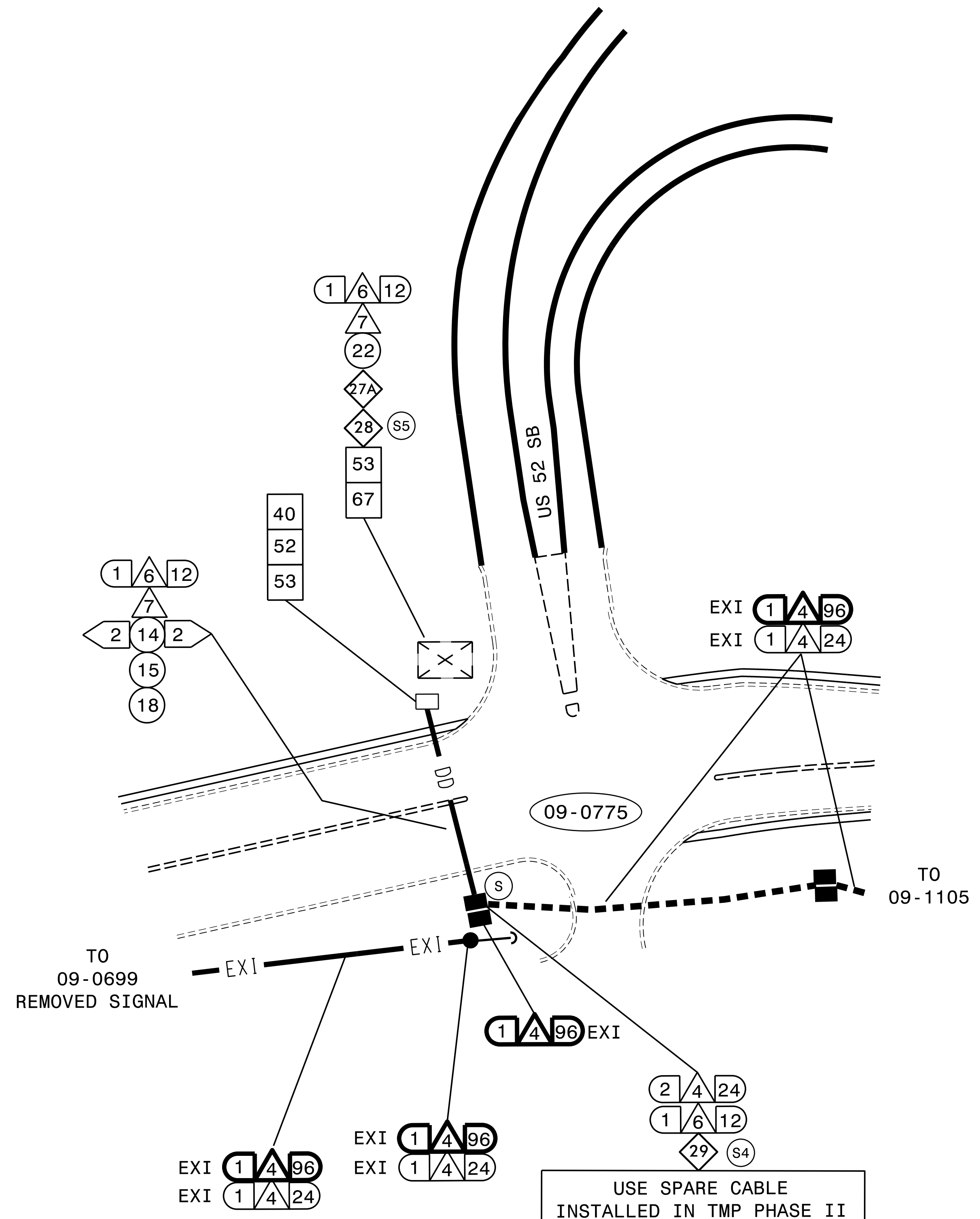
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TMP (PHASE V)

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 MOTT MACDONALD <small>7621 Purfoy Road, Suite 115 Fruity-Vanino, NC 27526 www.mmtm.com License No. F-0669</small>	 <small>750 Greenfield Parkway, Garner, NC 27529</small>	Winston-Salem Signal System Cable Routing Plans		 SEAL NORTH CAROLINA PROFESSIONAL ENGINEER RUSSELL W. THOMPSON
		DIVISION 09 Forsyth County Winston-Salem		
		PLAN DATE: February 2023	REVIEWED BY: RW THOMPSON	
		PREPARED BY: IN AVERY	REVIEWED BY:	
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SEE "ICT" FOR THIS WORK



BOLD CONSTRUCTION NOTES REPRESENT "IS FIBER" WORK

SEE SHEET "SCP 2" FOR PROJECT CONSTRUCTION NOTES

GENERAL CONSTRUCTION NOTES:

- FIVE (5) DAYS PRIOR TO BEGINNING WORK ON CONNECTING THE NEW SIGNAL INTO THE SYSTEM, CONTACT THE CITY OF WINSTON-SALEM'S SIGNAL SYSTEM SUPERVISOR, AT (336) 748-3228 TO ARRANGE FOR THE CITY TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATIONS DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE SIGNAL SYSTEM SUPERVISOR 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.
- PROVIDE AS-BUILT PLANS TO THE ENGINEER IF FINAL SPLICE ARRANGEMENTS DIFFERS FROM THE SUPPLIED SPLICE DETAILS.

PROJECT CONSTRUCTION NOTES:

- UNLESS OTHERWISE NOTED:
 - OVERLASH NEW FIBER OPTIC CABLE TO EXISTING COMMUNICATIONS CABLE.
 - ATTACH NEW MESSENGER CABLE 40" BELOW POWER.
 - ATTACH ON FRONT SIDE (FS) OF POLE.
- SEAL ALL CONDUIT ENDS WITH DUCT AND CONDUIT SEALER, AT ALL JUNCTION BOX / CABINET ENTRANCES.

USE SPARE CABLE
INSTALLED IN TMP PHASE II
FOR THE SPLICE.

SEE SPLICE PLAN FOR
"S4 & S5 - TMP (PHASE VI)"

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\$\$\$\$\$USERNAME\$\$\$\$\$

M M
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MACDONALD**
1621 Purfoy Road, Suite 115
Fuquay-Varina, NC 27526
www.mottmac.com
License No. F-0669

Prepared for the Offices of:
CITY OF WINSTON-SALEM
Transportation, Mobility and Safety Division
750 Greenfield Parkway, Garner, NC 27529

**Winston-Salem Signal System
Cable Routing Plans**

DIVISION 09 Forsyth County Winston-Salem

PLAN DATE: February 2023 REVIEWED BY: RW THOMPSON

PREPARED BY: IN AVERY REVIEWED BY:

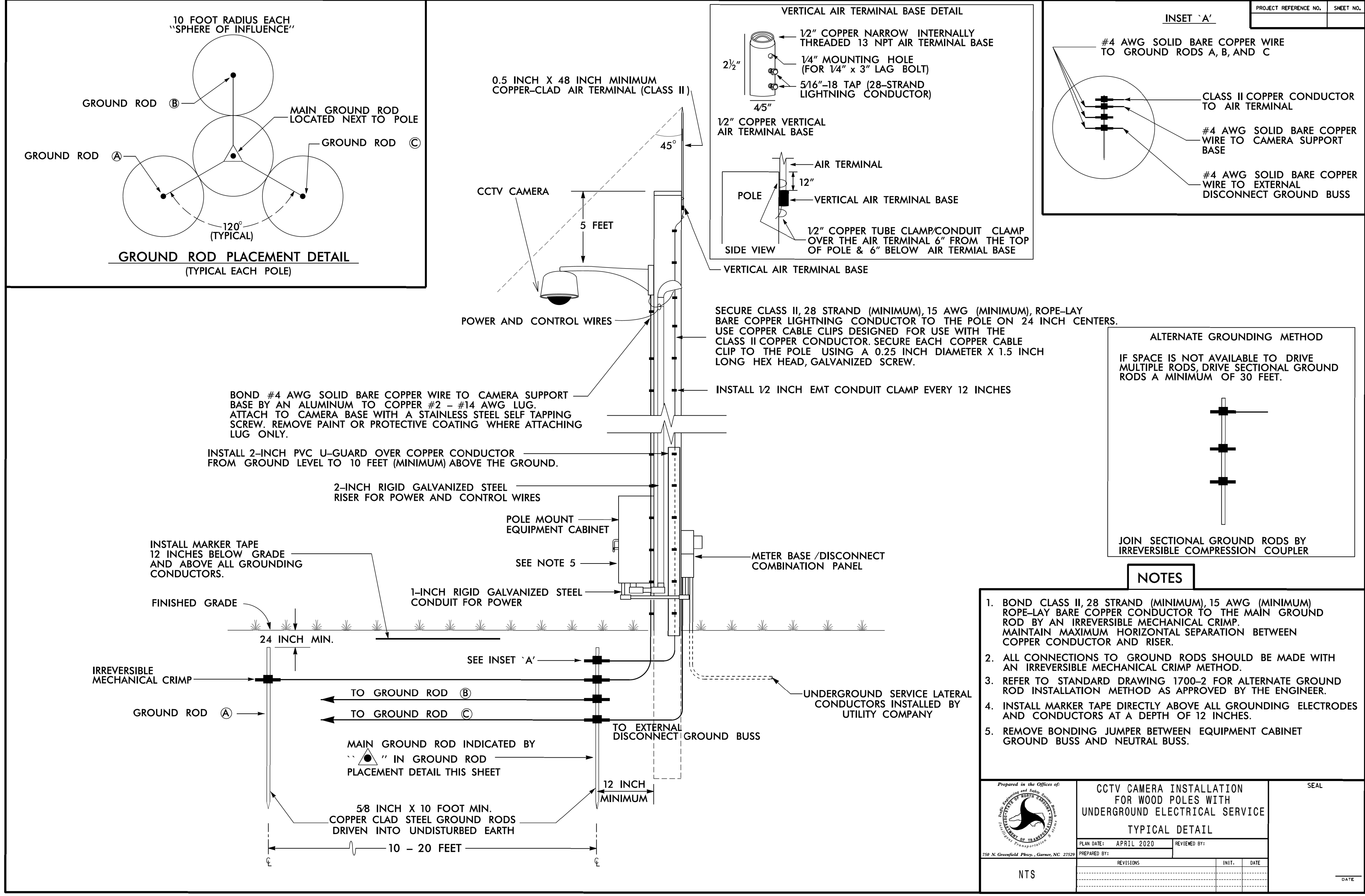
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SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
MUSSELL W. THOMPSON
032711

SIGNATURE DATE

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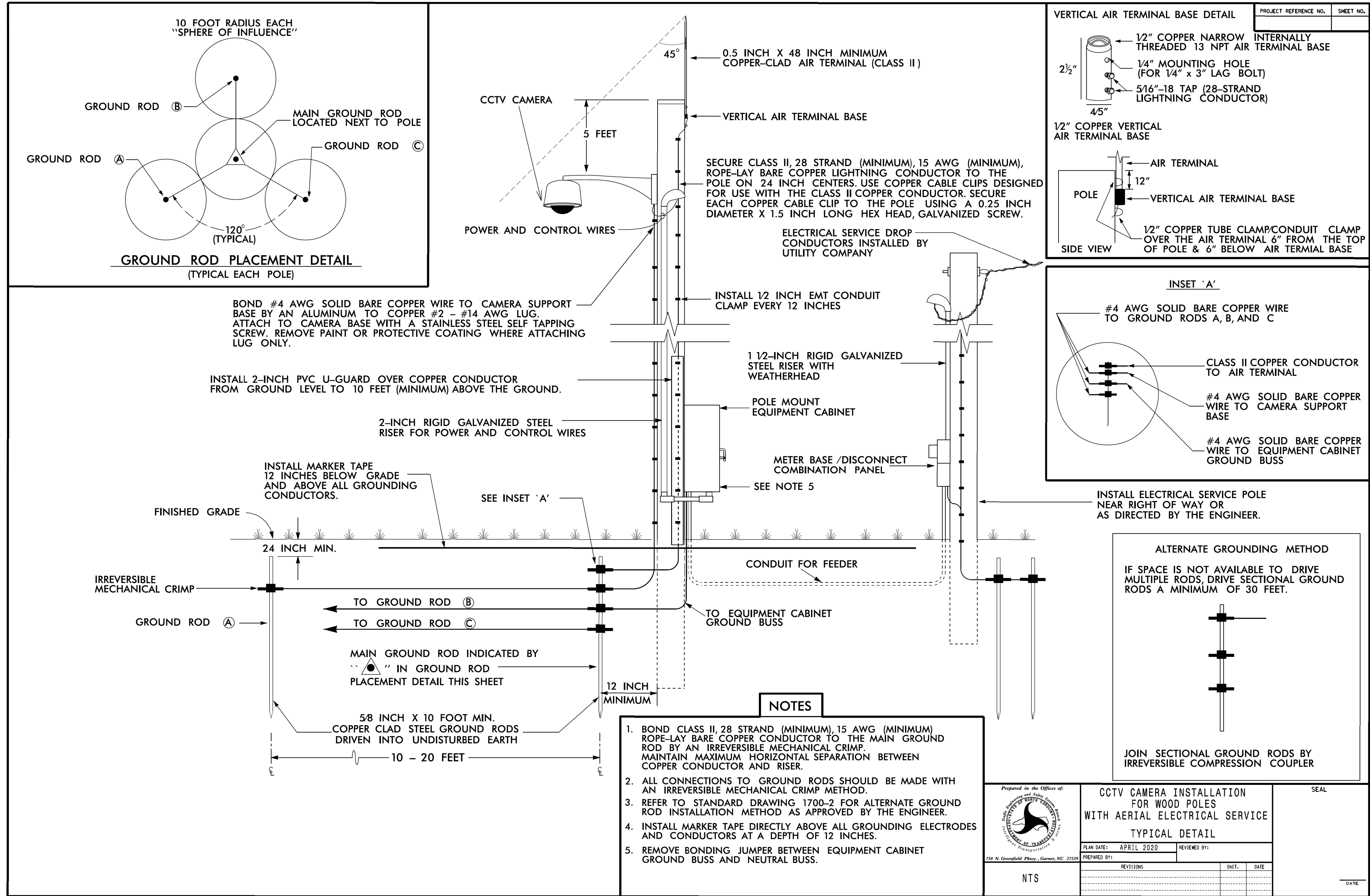


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M M MOTT MACDONALD 7621 Purfoy Road, Suite 115 Fuquay-Varina, NC 27526 www.mmc.com License No. F-0669	Prepared for the Offices of: TRANSPORTATION SYSTEMS 750 Greenfield Parkway, Garner, NC 27529	Winston-Salem Signal System Cable Routing Plans		SEAL ENGINEER RUSSELL W. THOMPSON
		DIVISION 09 Forsyth County Winston-Salem	PLAN DATE: February 2023 REVIEWED BY: RW THOMPSON	
SCALE: NONE		PREPARED BY: IN AVERY REVIEWED BY:	REVISIONS: INIT. DATE	SIGNATURE DATE

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M M
MOTT MACDONALD
7621 Purfoy Road, Suite 115
Fuquay-Varina, NC 27526
www.mottmacdonald.com
License No. F-0669

Prepared for the Offices of:
TRANSPORTATION MOBILITY AND SERVICE DIVISION
STATE OF NORTH CAROLINA
750 Greenfield Parkway, Garner, NC 27529

Winston-Salem Signal System
Cable Routing Plans

DIVISION 09 Forsyth County Winston-Salem

PLAN DATE: February 2023 REVIEWED BY: RW THOMPSON

PREPARED BY: IN AVERY REVIEWED BY:

NO.	REVISIONS	INIT.	DATE

SCALE: NONE

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 032711
RUSSELL W. THOMPSON

SIGNATURE _____ DATE _____

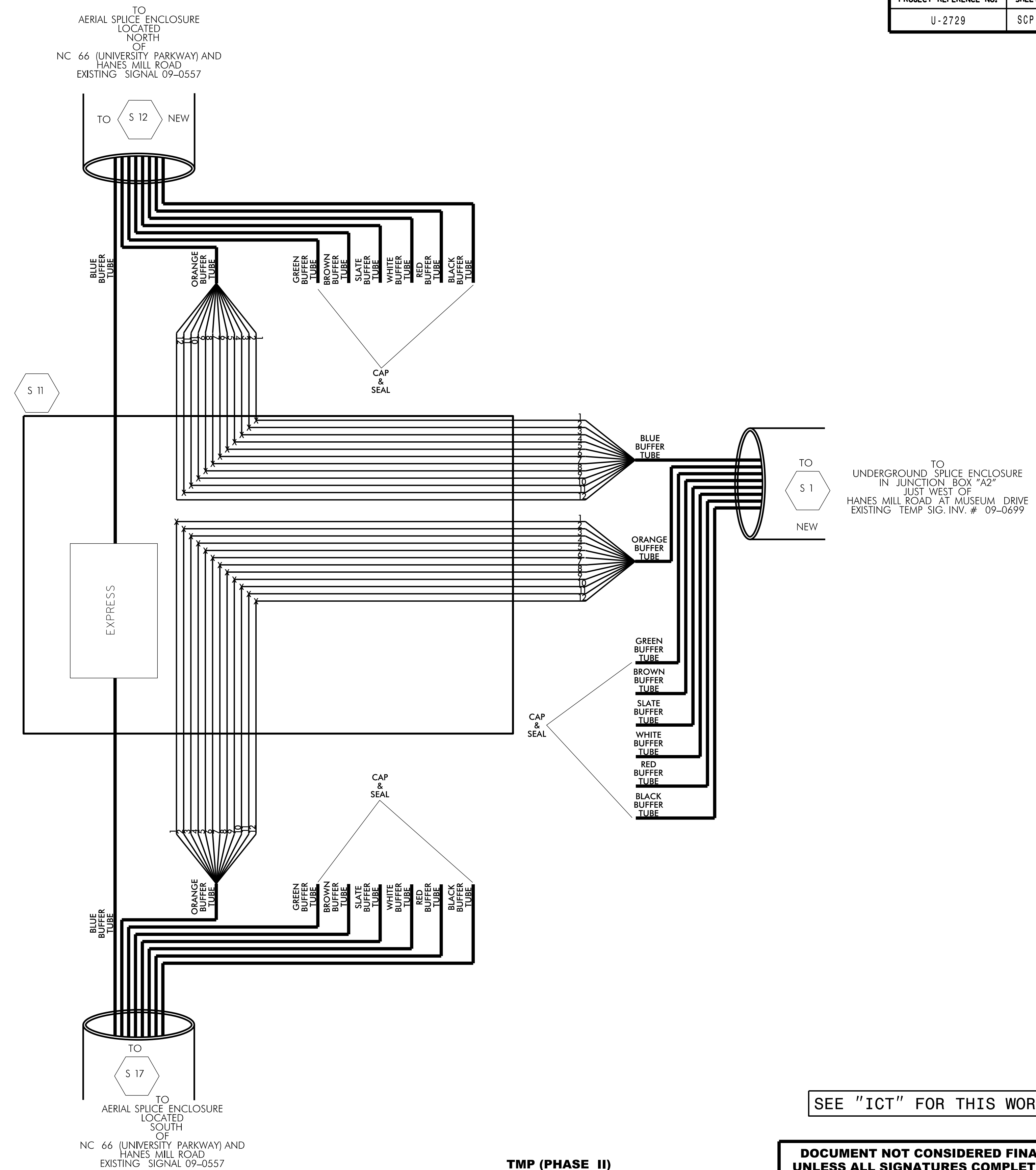
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\$\$\$\$\$SERVNAME\$\$\$\$\$

SPLICE "S 11"

UNDERGROUND SPLICE ENCLOSURE
IN JUNCTION BOX
LOCATED IN NORTHEAST QUADRANT
OF
NC 66 (UNIVERSITY PARKWAY) AND
HANES MILL ROAD
EXISTING SIG. INV. # 09-0557

Notes:
Unused fibers left coiled and stored in splice tray.
Unused Buffer Tubes left coiled and stored in splice tray.



PROJECT CONSTRUCTION NOTES:

- 1). FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE CITY "IS FIBER" NOTIFY THE CITY OF WINSTON-SALEM'S "COORDINATOR OF INFRASTRUCTURE SERVICES", AT (336) 747-7016 ABOUT PENDING DISRUPTIONS IN SERVICE.
- 2). CONTRACTOR TO RECORD EXISTING SPLICE ARRANGEMENTS IN EXISTING SPLICE ENCLOSURE 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 PLAN ARRANGEMENTS DIFFERS FROM THE SUPPLIED SPLICE PLANS.
- 2). 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 OTRD TEST RESULTS.
- 3). CUT OVER OF THE "IS FIBER" SHALL NOT EXCEED 48 HOURS IN DURATION. THIS WORK IS NOT COMPLETE UNTIL THE CITY OF WINSTON-SALEM'S "COORDINATOR OF INFRASTRUCTURE SERVICES" VERIFIES THAT THEIR SYSTEM IS BACK UP AND OPERATIONAL.

COLOR CODE
TIA/EIA 598-A

- | | |
|------------|-------------|
| (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
- C = CAP IN TRAY
- [EXPRESS] = EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING
- [BUFFER SPLICE] = SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR

SEE "ICT" FOR THIS WORK

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

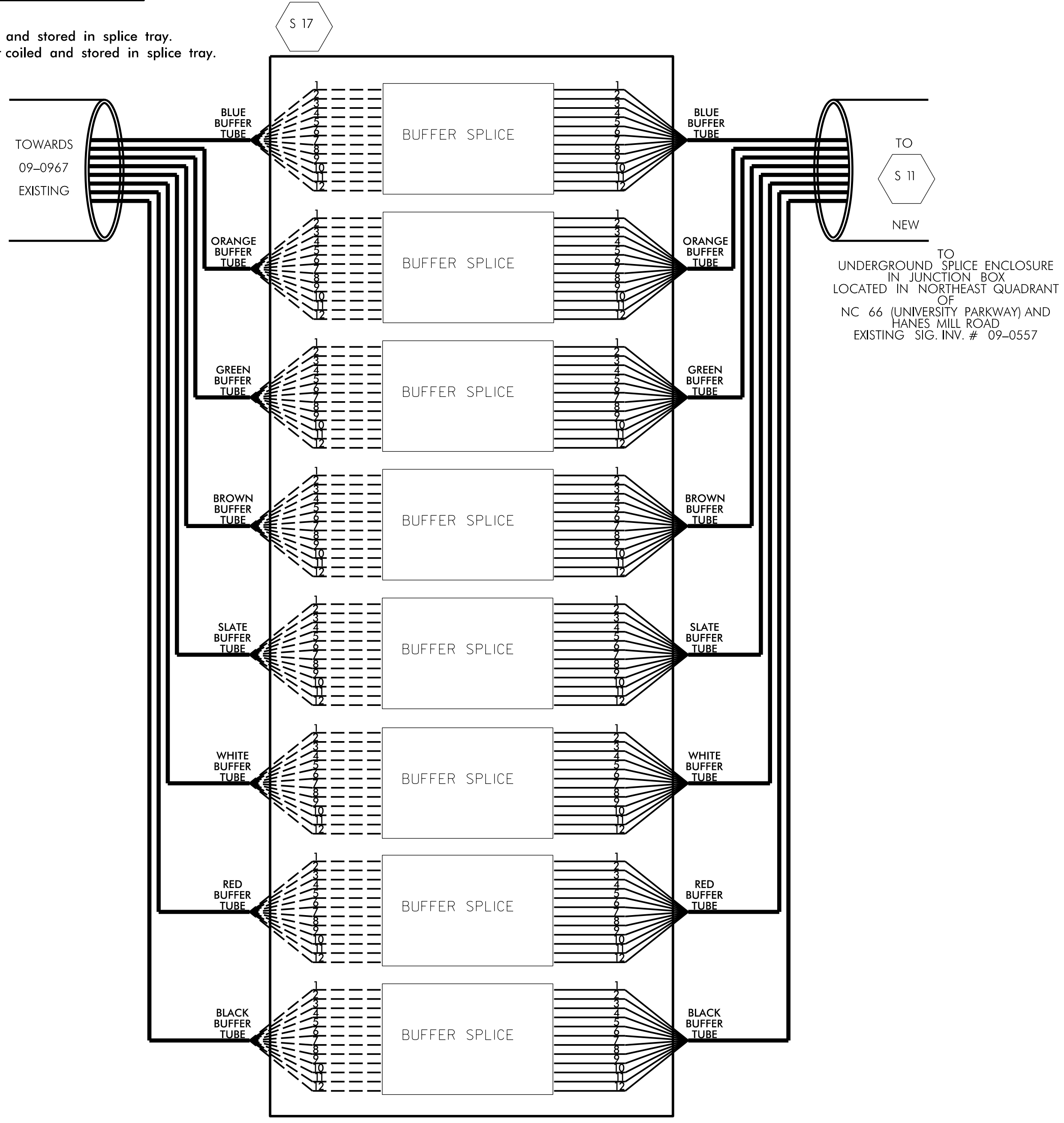
 7621 Purfoy Road, Suite 115 Fuquay-Varina, NC 27526 www.m11mcc.com License No. F-18649	 Prepared for the Offices of: Transportation, Mobility and Safety Division DEPARTMENT OF TRANSPORTATION 750 Greenfield Parkway, Garner, NC 27529	SPLICE DETAIL CITY "IS" FIBER		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER RUSSEL W. THOMPSON SEAL 032711								
		DIVISION 09 FORSYTH COUNTY WINSTON-SALEM	PLAN DATE: February 2023 REVIEWED BY: RW THOMPSON		PREPARED BY: IN AVERY REVIEWED BY:	<table border="1"> <thead> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS	INIT.	DATE			
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 \$\$\$\$\$\$SCALE\$\$\$\$\$\$

SPLICE "S 17"

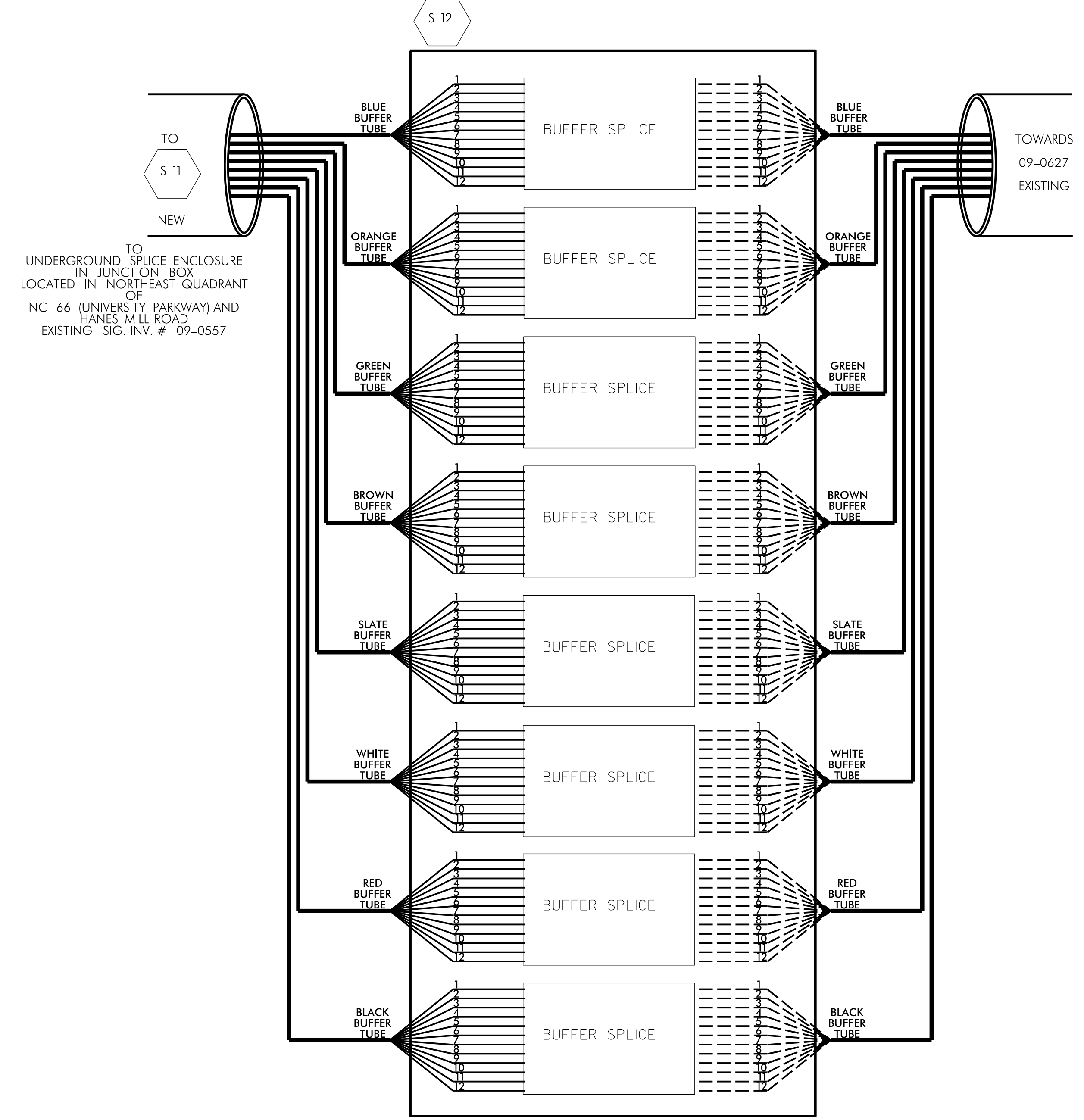
AERIAL SPLICE ENCLOSURE
LOCATED
SOUTH
OF
NC 66 (UNIVERSITY PARKWAY) AND
HANES MILL ROAD
EXISTING SIGNAL 09-0557

Notes:
Unused fibers left coiled and stored in splice tray.
Unused Buffer Tubes left coiled and stored in splice tray.



SPLICE "S 12"

AERIAL SPLICE ENCLOSURE
LOCATED
NORTH
OF
NC 66 (UNIVERSITY PARKWAY) AND
HANES MILL ROAD
EXISTING SIGNAL 09-0557



COLOR CODE
TIA/EIA 598-A

- (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
C = CAP IN TRAY
[EXPRESS] = EXPRESS ENTIRE BUFFER TUBE /FIBERS THROUGH WITHOUT CUTTING
[BUFFER SPLICE] = SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR

PROJECT CONSTRUCTION NOTES:

1. FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE CITY "IS FIBER" NOTIFY THE CITY OF WINSTON-SALEM'S "COORDINATOR OF INFRASTRUCTURE SERVICES", AT (336) 747-7016 ABOUT PENDING DISRUPTIONS IN SERVICE.
2. 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 OTRD TEST RESULTS.
3. CUT OVER OF THE "IS FIBER" SHALL NOT EXCEED 48 HOURS IN DURATION. THIS WORK IS NOT COMPLETE UNTIL THE CITY OF WINSTON-SALEM'S "COORDINATOR OF INFRASTRUCTURE SERVICES" VERIFIES THAT THEIR SYSTEM IS BACK UP AND OPERATIONAL.

SEE "ICT" FOR THIS WORK

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UNLESS ALL SIGNATURES COMPLETED**

 7621 Purfoy Road, Suite 115 Fuquay-Varina, NC 27526 www.mottmac.com License No. F-3869	 Prepared for the Offices of: Transportation, Mobility and Safety Division DEPARTMENT OF TRANSPORTATION 750 Greenfield Parkway, Garner, NC 27529	SPLICE DETAIL CITY "IS" FIBER		SEAL RUSSELL W. THOMPSON ENGINEER 032711
		DIVISION 09 FORSYTH COUNTY WINSTON-SALEM PLAN DATE: February 2023 REVIEWED BY: RW THOMPSON PREPARED BY: IN AVERY REVIEWED BY:	REVISIONS INIT. DATE	

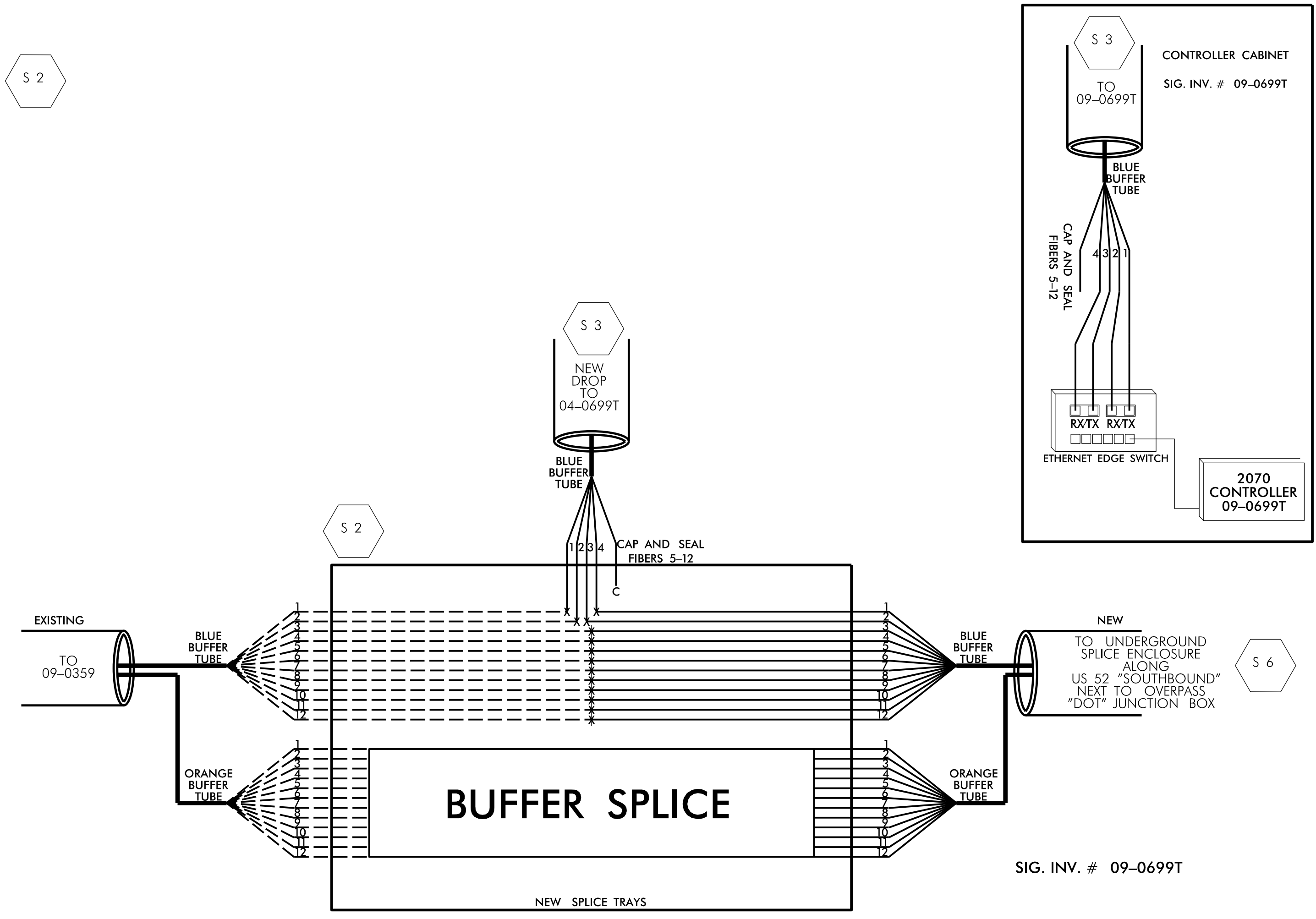
CADD File name: \$FILENAME\$

SPLICE "S 2" & "S 3" TMP (PHASE II) Temporary

UNDERGROUND SPLICE ENCLOSURE
IN JUNCTION BOX "A1"
JUST WEST OF
HANES MILL ROAD AT MUSEUM DRIVE
EXISTING TEMP SIGNAL 09-0699



Notes:
Unused fibers left coiled and stored in splice tray.
Unused Buffer Tubes left coiled and stored in splice tray.



SIG. INV. # 09-0699T

PROJECT CONSTRUCTION NOTES:

- FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE CITY OF WINSTON-SALEM'S SIGNAL SYSTEM SUPERVISOR, AT (336) 748-3228 TO ARRANGE FOR THE CITY TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATIONS DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE SIGNAL SYSTEM SUPERVISOR 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 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 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.
- CUT OVER OF THE "SIGNAL SYSTEM FIBER" SHALL NOT EXCEED 48 HOURS IN DURATION. THIS WORK IS NOT COMPLETE UNTIL THE CITY OF WINSTON-SALEM'S "SIGNAL SYSTEMS SUPERVISOR" VERIFIES THAT THEIR SYSTEM IS BACK UP AND OPERATIONAL.

COLOR CODE
TIA/EIA 598-A

- | | |
|------------|-------------|
| (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
- C = CAP IN TRAY
- [EXPRESS] = EXPRESS ENTIRE BUFFER TUBE / FIBERS THROUGH WITHOUT CUTTING
- [BUFFER SPLICE] = SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR

SEE "ICT" FOR THIS WORK

DOCUMENT NOT CONSIDERED FINAL
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750 Greenfield Parkway, Garner, NC 27529

SPLICE DETAIL CITY SIGNAL FIBER		
DIVISION 09 FORSYTH COUNTY WINSTON-SALEM	REVIEWED BY: RW THOMPSON	
PLAN DATE: February 2023	REVIEWED BY:	
PREPARED BY: IN AVERY	REVIEWED BY:	
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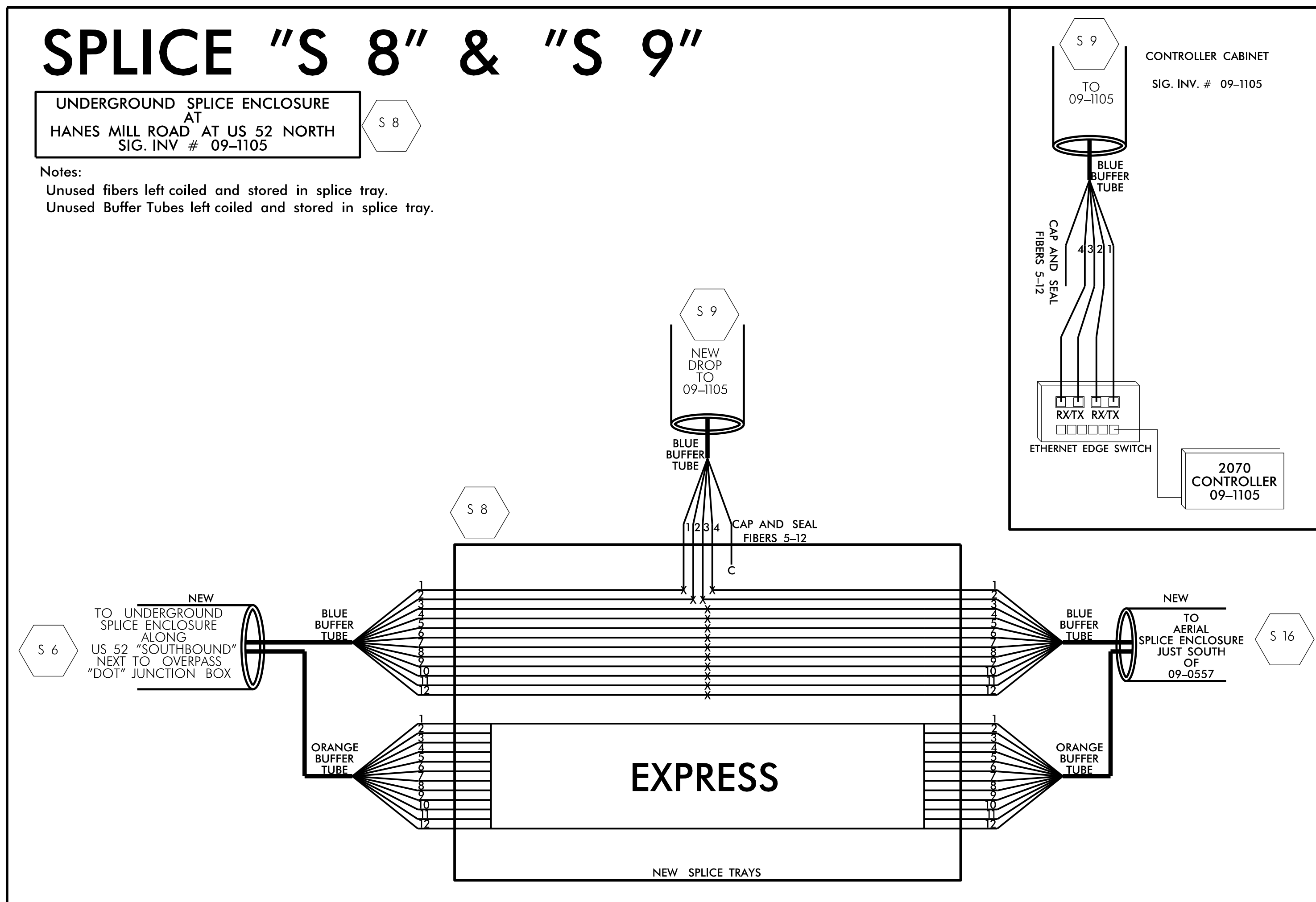
SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
RUSSELL W. THOMPSON
032711

CADD File Name: \$FILENAME\$.DWG

SPLICE "S 8" & "S 9"

UNDERGROUND SPLICE ENCLOSURE
AT
HANES MILL ROAD AT US 52 NORTH
SIG. INV. # 09-1105

Notes:
Unused fibers left coiled and stored in splice tray.
Unused Buffer Tubes left coiled and stored in splice tray.



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SEE "ICT" FOR THIS WORK

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**MOTT
MACDONALD**
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Fayetteville, NC 27526
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Prepared for the Offices of:
TRANSPORTATION MOBILITY AND SAFETY DIVISION
CITY OF WINSTON-SALEM
750 Greenfield Parkway, Garner, NC 27529

SPLICE DETAIL CITY SIGNAL FIBER	
DIVISION 09	FORSYTH COUNTY WINSTON-SALEM
PLAN DATE: February 2023	REVIEWED BY: RW THOMPSON
PREPARED BY: IN AVERY	REVIEWED BY:
REVISIONS	INIT. DATE

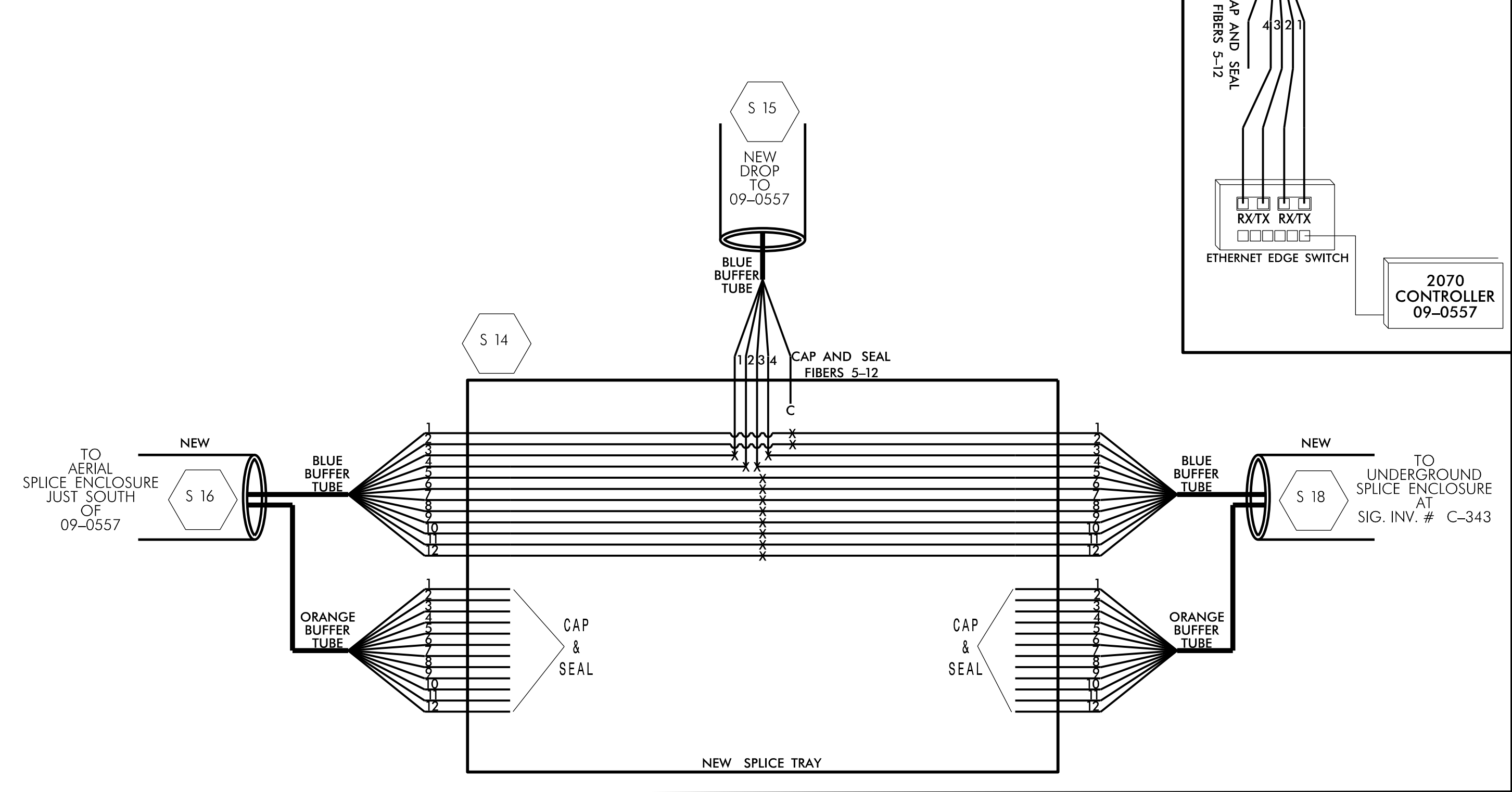
SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
RUSSELL W. THOMPSON
032711
DATE

CADD File Name: \$FILENAME\$

SPLICE "S 14" & "S 15"

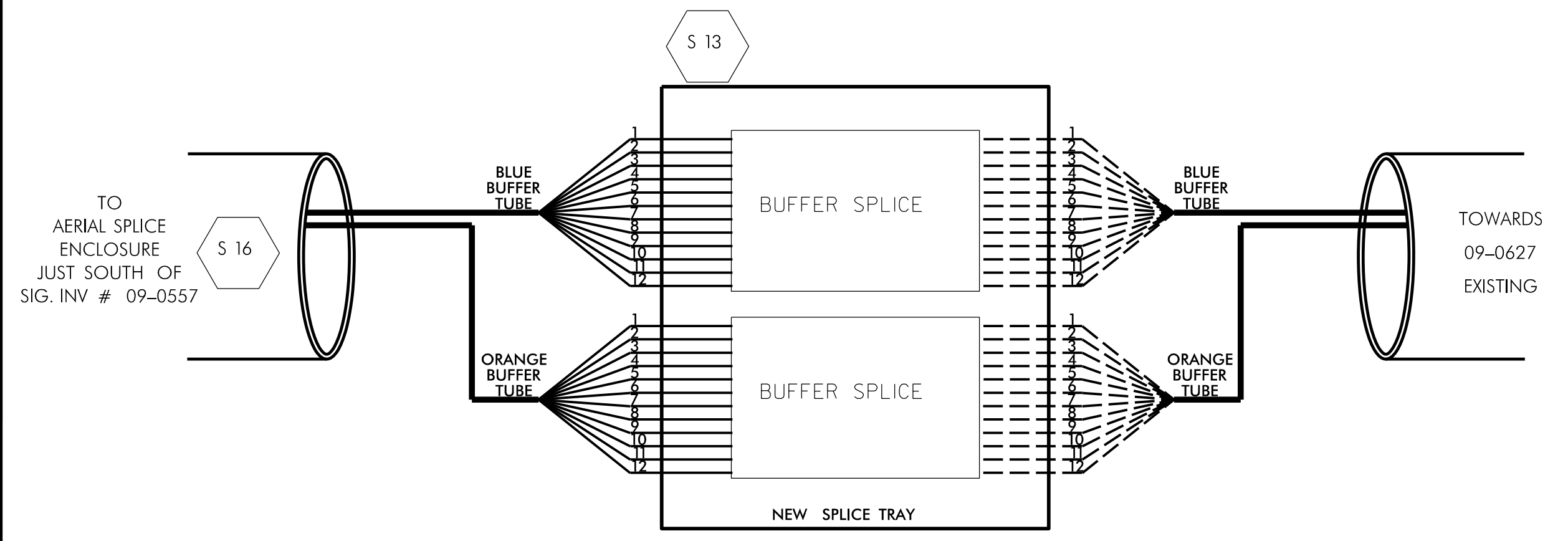
UNDERGROUND SPLICE ENCLOSURE
HANES MILL ROAD AT UNIVERSITY PKWY
SIG. INV. # 09-0557

Notes:
Unused fibers left coiled and stored in splice tray.
Unused Buffer Tubes left coiled and stored in splice tray.



SPLICE "S 13"

AERIAL SPLICE ENCLOSURE
JUST NORTH
OF 09-0557



PROJECT CONSTRUCTION NOTES:

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STATE OF NORTH CAROLINA
750 Greenfield Parkway, Garner, NC 27529

SPLICE DETAIL	
CITY SIGNAL FIBER	
DIVISION 09	FORSYTH COUNTY WINSTON-SALEM
PLAN DATE: February 2023	REVIEWED BY: RW THOMPSON
PREPARED BY: IN AVERY	REVIEWED BY:
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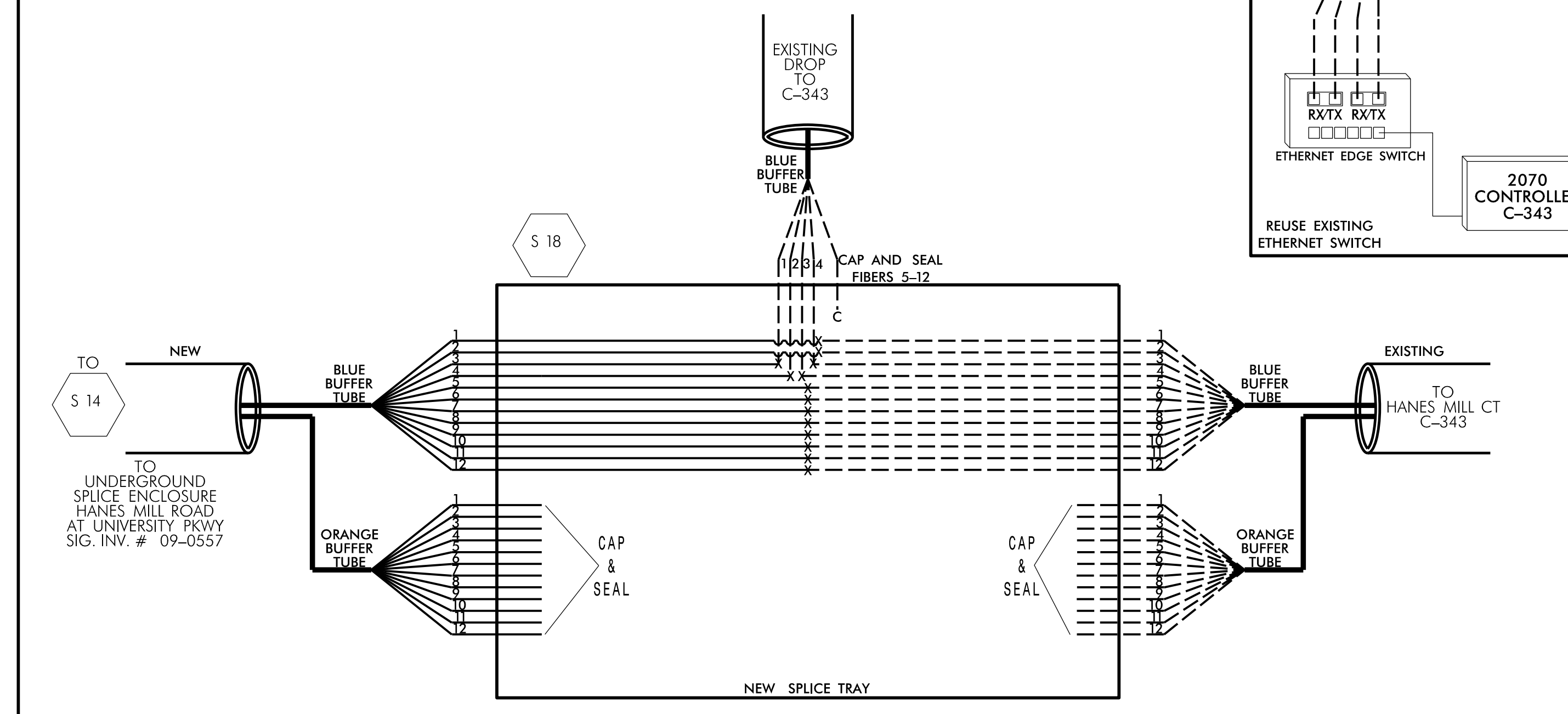
SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
RUSSELL W. THOMPSON
SEAL 032711
DATE

SPLICE "S 18" & "C-343"

UNDERGROUND SPLICE ENCLASURE
HANES MILL ROAD AT SUMMIT SQUARE BLVD
SIG. INV. # C-342

S 18

Notes:
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		DIVISION 09 FORSYTH COUNTY WINSTON-SALEM PLAN DATE: February 2023 REVIEWED BY: RW THOMPSON PREPARED BY: IN AVERY REVIEWED BY:	REVISIONS INIT. DATE	
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