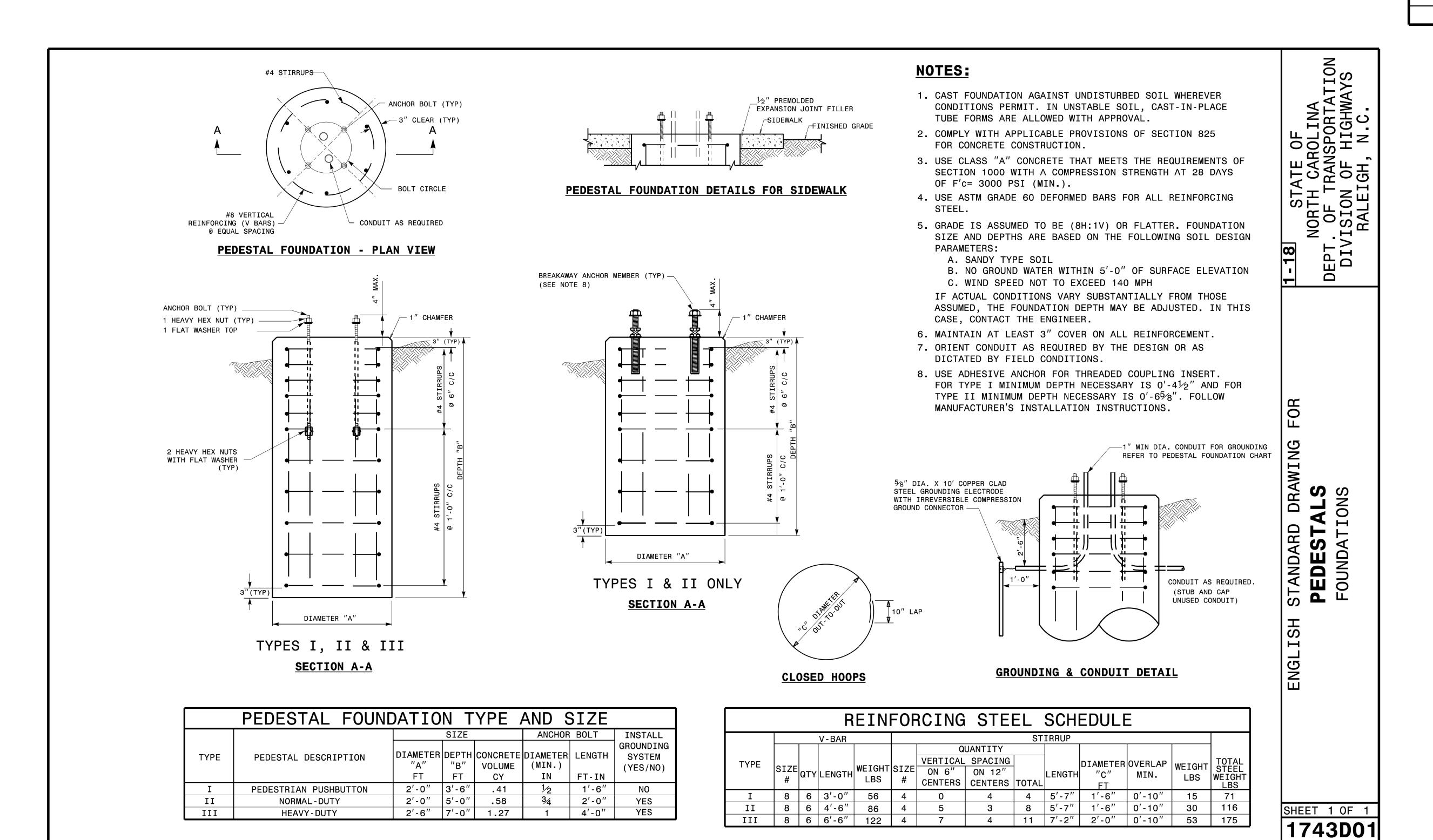
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The documents contained herein were originally issued and sealed by the individuals whose names and license numbers appear on each page, on the dates appearing with their signature on that page.

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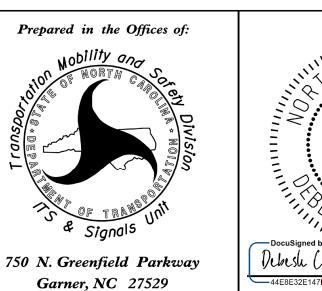
 PROJECT NO.
 SHEET NO.

 I - 4400 C
 Sig.20.



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

See Plate for Title



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Dubush C. Sarkar

10/11/2017

DATE

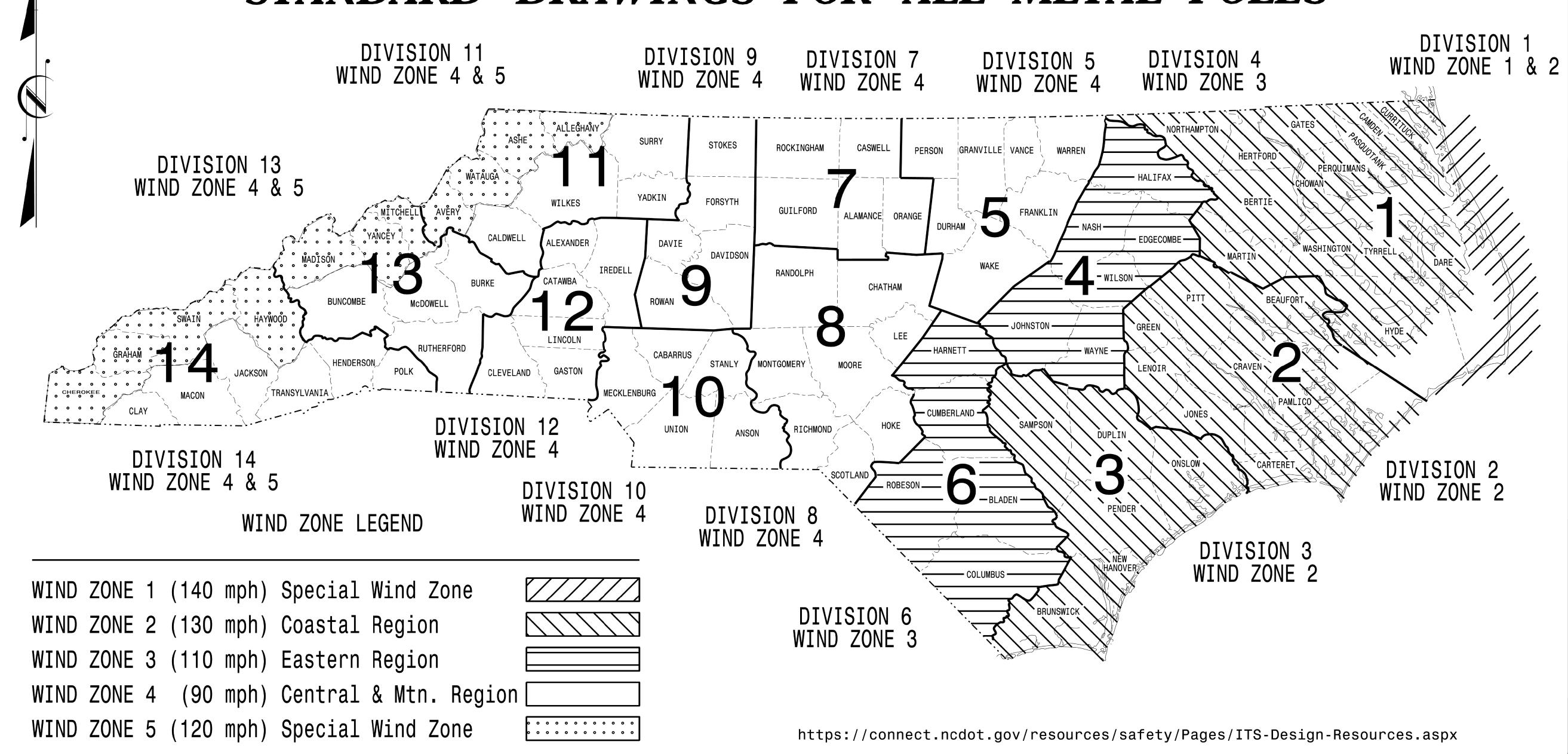
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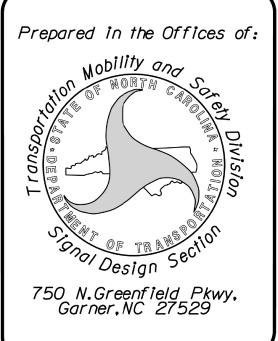
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

PROJECT I.D. NO. SHEET NO.

I - 4400C Sig.M1

STANDARD DRAWINGS FOR ALL METAL POLES





Designed in conformance
with the latest
2015 Interim to the
6th Edition 2013

AASHTO

Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals

INDEX OF PLANS

DRAWING NUMBER DESCRIPTION

Sig. M	1	Statewide Wind Zone Map
Sig. M	2	Typical Fabrication Details-All Metal Poles
Sig. M	3	Typical Fabrication Details-Strain Poles

Sig. M 4 Typical Fabrication Details-Mast Arm Poles
Sig. M 5 Typical Fabrication Details-Mast Arm Connection

Sig. M 6 Typical Fabrication Details-Strain Pole Attachments

Sig. M 7 Construction Details-Foundations
Sig. M 8 Standard Strain Pole Foundation-All Soil Conditions

NCDOT CONTACTS:

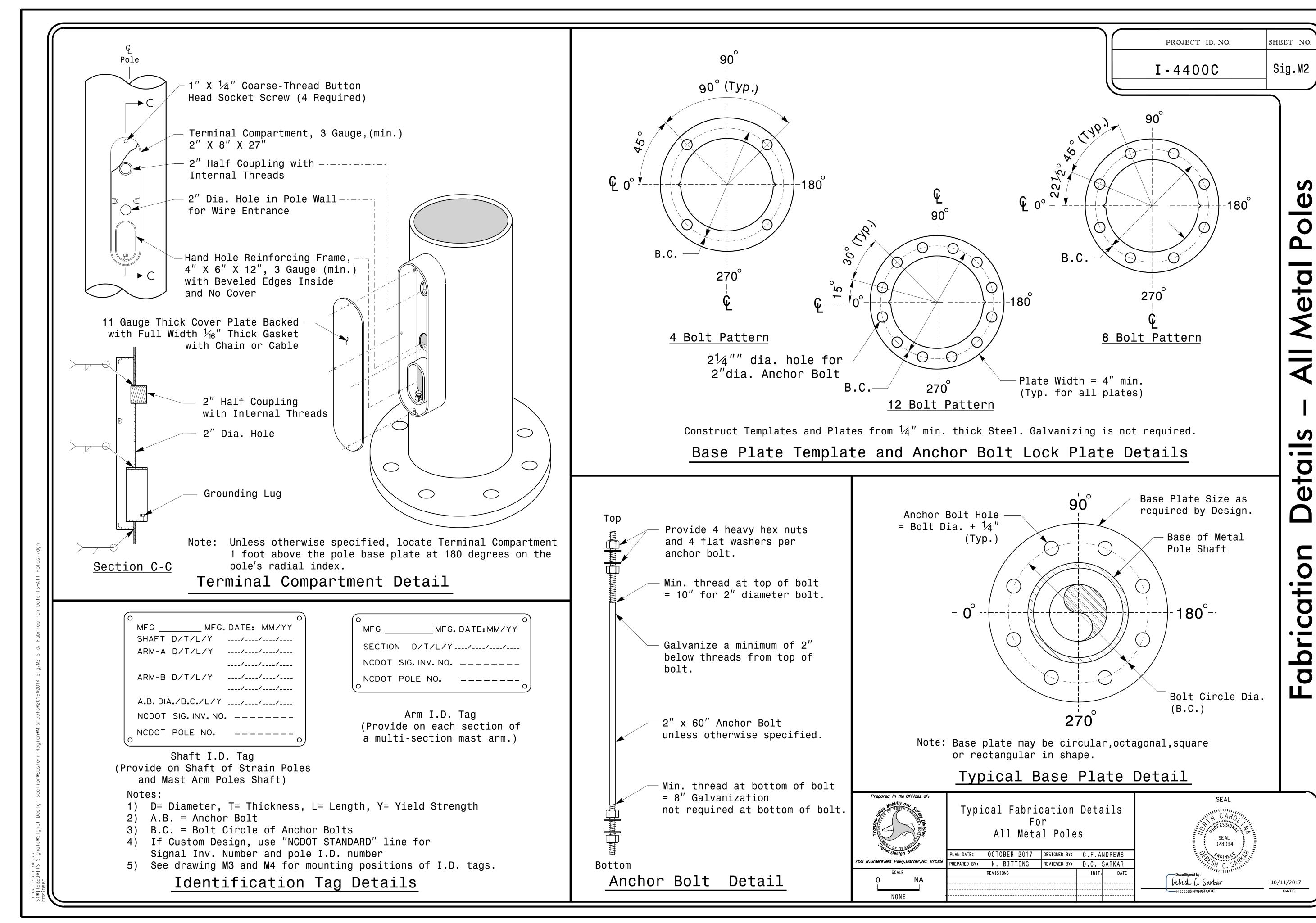
MOBILITY AND SAFETY DIVISION - ITS AND SIGNALS UNIT

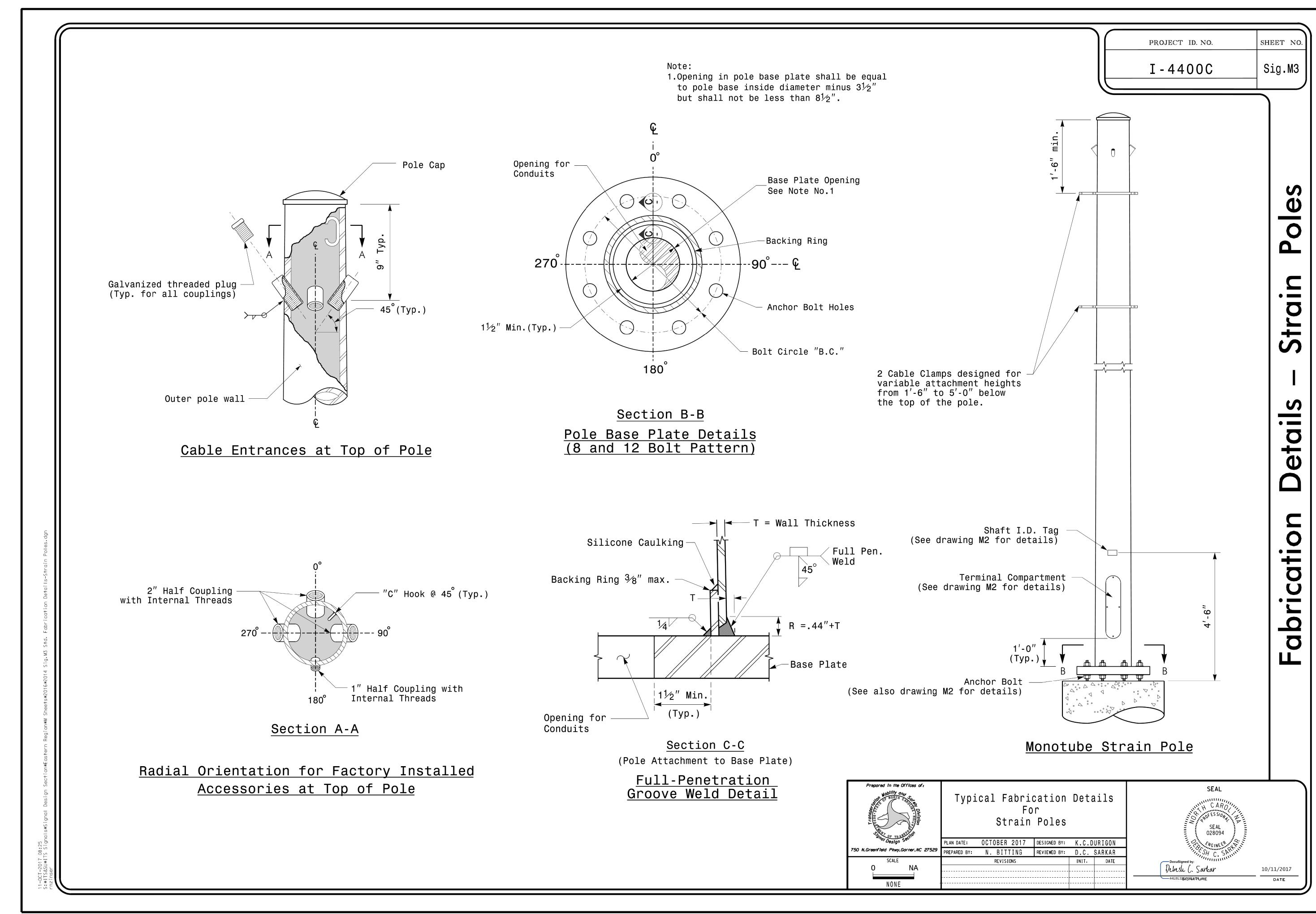
M.M. MCDIARMID, P.E. – STATE ITS AND SIGNALS ENGINEER

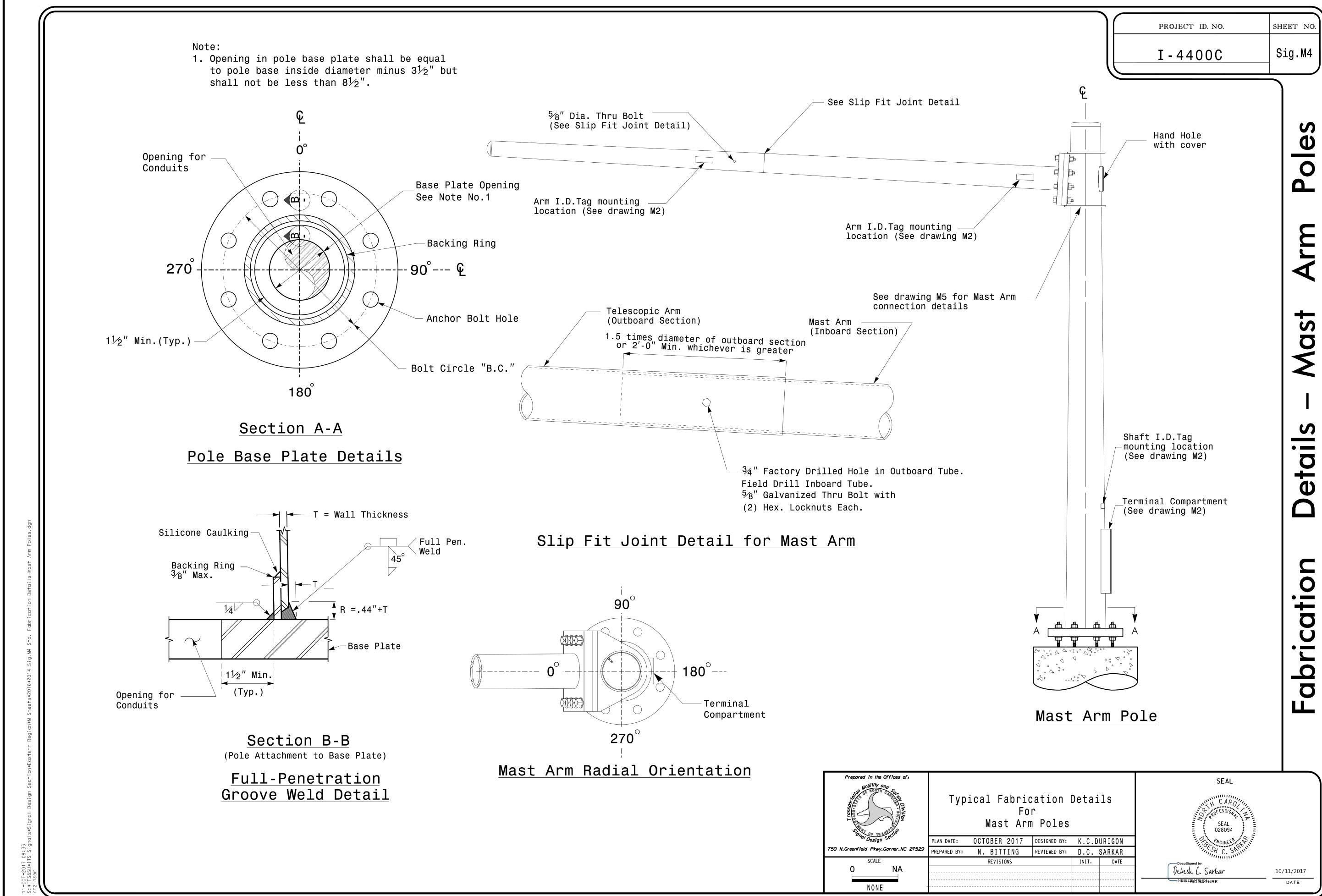
J. P. GALLOWAY, P.E. – STATE SIGNALS ENGINEER

D.C. SARKAR, P.E. – ITS AND SIGNALS SENIOR STRUCTURAL ENGINEER









4. For general requirements refer to NCDOT Standard Specifications for Roadway and Structures, January 2018.

PROJECT ID. NO. SHEET NO.

I - 4400C Sig.M6

Attachment

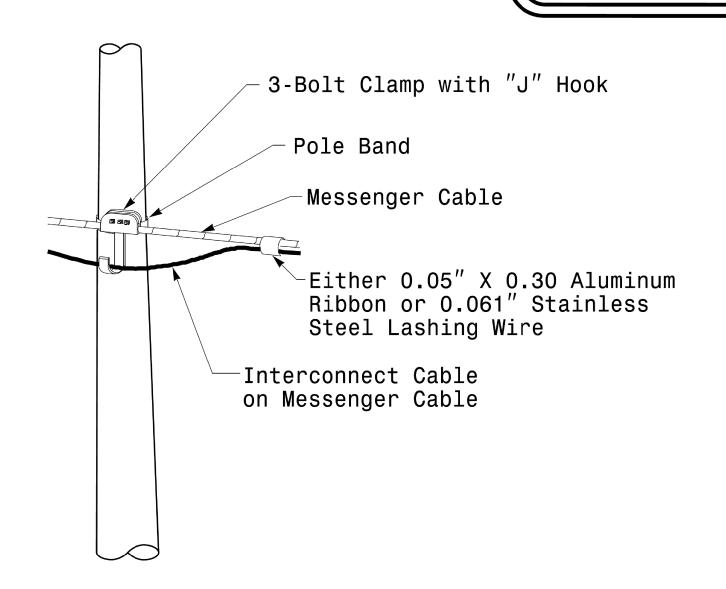
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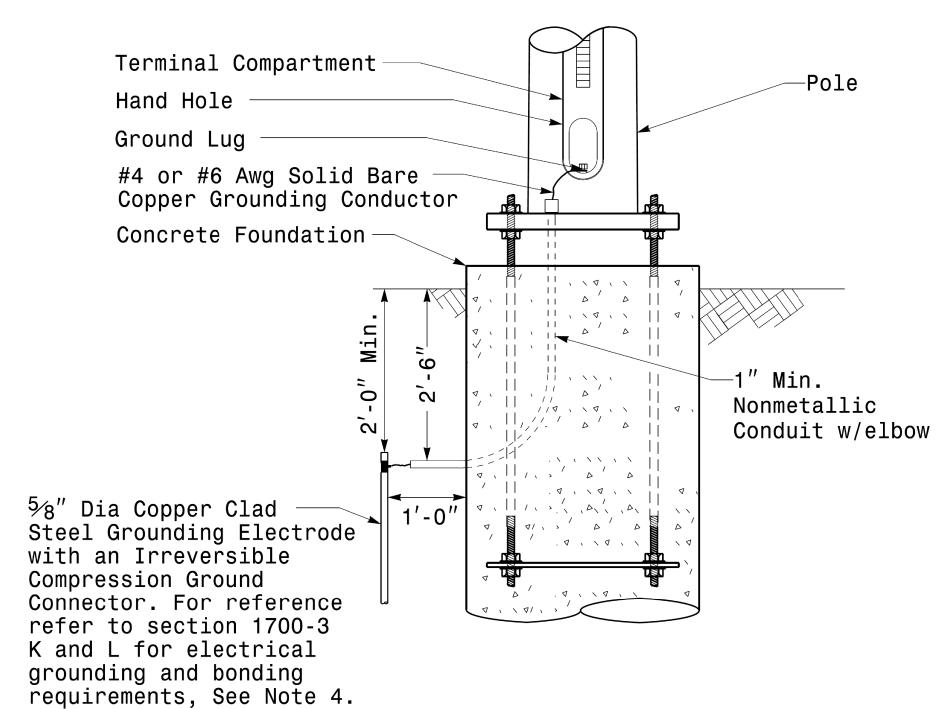
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Fabric

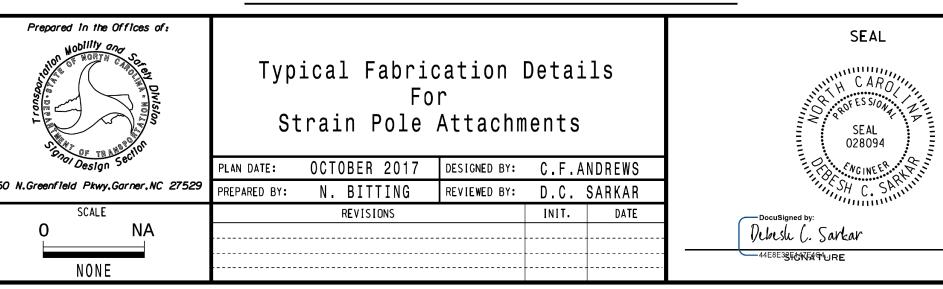
10/11/2017



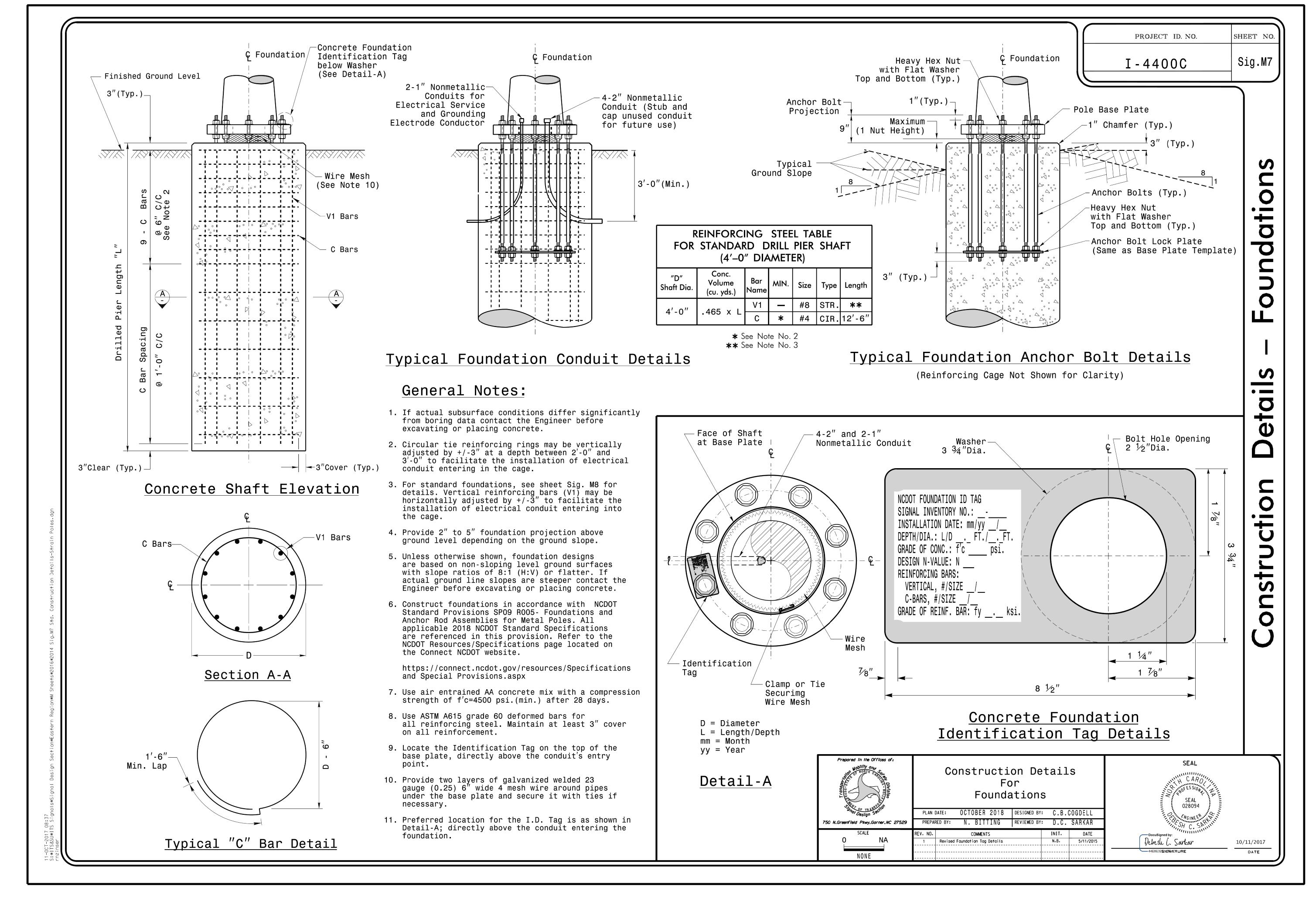
Attachment of Cable to Intermediate Metal Pole



Metal Pole Grounding Detail For Strain Pole and Mast Arm



S:*ITS&SU*ITS Signals*Signal Design Section*Eastern Region*M Sheets*2016*2014 Sig.M6 Std. Fabricon rnzinser



PROJECT ID. NO.	SHEET	NO.
I-4400C	Sig.	M8

SOIL CONDITION

	STANDARD STRAIN POLES					STANDARD FOUNDATIONS 48" Diameter Drilled Pier Length (L) – Feet					Reinforcement							
			Dala	Base	Reaction	ns at the	Pole Base			ay			Sand			udinal		ups
		Case No.	Pole Height (Ft.)	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.)
W	Ļ	S26L3	26	25	2	11	270	19	13	10	8	17	14.5	12.5	8	12	4	12
Ň D	G H	S30L3	30	25	2	11	300	19.5	13.5	10	8	17.5	15	13	8	14	4	12
Z 0	:-	S35L3	35	25	3	11	320	20	13.5	10.5	8	17.5	15	13	8	14	4	12
N E	HΕ<	S30H3	30	29	3	16	450	24.5	16	12	9	21	17.5	15	8	16	4	6
1	A > >	S35H3	35	29	4	16	515	26	17	12.5	9.5	22	18.5	16	8	16	4	6
∥ <u>w</u>	Ļ	S26L2	26	23	2	10	245	18	12.5	9.5	8	16.5	14	12	8	12	4	12
N D	G	S30L2	30	23	2	10	270	18.5	12.5	10	8	16.5	14	12.5	8	12	4	12
Z	ΗH	S35L2	35	23	3	10	300	19.5	13	10	8	17	14.5	13	8	12	4	12
0 N E	H	S30H2	30	29	3	15	415	23	15.5	11.5	9	20	17	14.5	8	16	4	6
2	V Y	S35H2	35	29	4	15	475	25	16.5	12	9.5	21	17.5	15.5	8	16	4	6
Ψ	L I G H T	S26L2	26	23	2	10	245	18	12.5	9.5	8	16.5	14	12	8	12	4	12
N D		S30L2	30	23	2	10	270	18.5	12.5	10	8	16.5	14	12.5	8	12	4	12
Z 0		S35L2	35	23	3	10	300	19.5	13	10	8	17	14.5	13	8	12	4	12
N E	H E ^	S30H2	30	29	3	15	415	23	15.5	11.5	9	20	17	14.5	8	16	4	6
3	V Y	S35H2	35	29	4	15	475	25	16.5	12	9.5	21	17.5	15.5	8	16	4	6
WI	LI	S26L1	26	22	2	8	190	16	11.5	8.5	8	15	12.5	11	8	12	4	12
N D	Ğ H	S30L1	30	22	2	8	205	16.5	11.5	9	8	15	13	11.5	8	12	4	12
Z 0	Ϋ́	S35L1	35	22	3	8	230	17	12	9	8	15.5	13.5	11.5	8	12	4	12
0 E	H E A	S30H1	30	25	3	12	320	20.5	13.5	10.5	8	18	15	13.5	8	16	4	6
4	V Y	S35H1	35	25	4	12	350	21	14	10.5	8.5	18.5	15.5	13.5	8	16	4	6
WI	Ļ	S26L2	26	23	2	10	245	18	12.5	9.5	8	16.5	14	12	8	12	4	12
	G H T	S30L2	30	23	2	10	270	18.5	12.5	10	8	16.5	14	12.5	8	12	4	12
∥ z 0		S35L2	35	23	3	10	300	19.5	13	10	8	17	14.5	13	8	12	4	12
N E	IШ<	S30H2	30	29	3	15	415	23	15.5	11.5	9	20	17	14.5	8	16	4	6
5	4 > >	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.

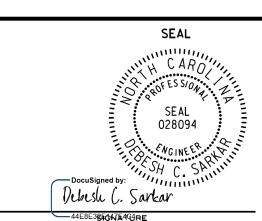
Prepared In the Offices of:

Nobility and Security Control of the Control of the

NONE

Standard Strain Pole Foundation for All Soil Conditions

PLAN DATE: OCTOBER 2017 DESIGNED BY: C.B. COGD
PREPARED BY: N. BITTING REVIEWED BY: D.C. SARM
REVISIONS INIT.
Changed "Foundation Depth" to "Drilled Pier Length" in Conc. Egn. N.B. 7/1



7 C. SARRIEN 10/11/2017

DATE

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

Strai

Stand

1	INSTALL 3-WIRE COPPER SERVICE ENTRANCE CONDUCTORS	36
$\sqrt{2}$	INSTALL 4-WIRE COPPER FEEDER CONDUCTORS	37
$\sqrt{3}$	INSTALL 3-WIRE COPPER FEEDER CONDUCTORS	38
4	INSTALL SMFO CABLE	39
5	INSTALL CAT 5e CCTV CABLE	40
5a	INSTALL COAX CABLE	41
6	INSTALL FIBER OPTIC DROP CABLE	42
7	INSTALL TRACER WIRE	43
8	TRENCH	45
9	INSTALL PVC CONDUIT	46
(10)	INSTALL RIGID, GALVANIZED STEEL CONDUIT	47
(11)	INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD	48
12	INSTALL RIGID, GALVANIZED STEEL RISER WITH HEAT-SHRINK TUBING	49
13	INSTALL HEAT-SHRINK TUBING RETROFIT KIT	50
14	INSTALL POLYETHYLENE CONDUIT	51
15	DIRECTIONAL DRILL CONDUIT	52
16	BORE AND JACK CONDUIT	52a
(17)	INSTALL CABLE(S) IN EXISTING CONDUIT	53
18	INSTALL CABLE(S) IN NEW CONDUIT	54
19	INSTALL CABLE(S) IN EXISTING RISER	55
20	INSTALL CABLE(S) IN NEW RISER	56
21	INSTALL CABLE(S) IN EXISTING CONDUIT ENTRANCE	57
22	INSTALL NEW CONDUIT INTO NEW CABINET BASE (USE EXISTING CONDUIT STUBOUTS WHEN AVAILABLE)	58
23	INSTALL NEW RISER INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUBOUTS WHEN AVAILABLE)	59
24	INSTALL NEW CONDUIT INTO POLE MOUNTED CABINET	59a
25	INSTALL NEW RISER INTO POLE MOUNTED CABINET	60
26	TERMINATE FIBER-OPTIC CABLE ON INTERCONNECT CENTER IN CCTV EQUIPMENT CABINET	61
27>	INSTALL NEW ETHERNET EDGE SWITCH IN CABINET	62
28	INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPLICE CABLE IN CABINET	63
29	INSTALL UNDERGROUND SPLICE ENCLOSURE	
30	INSTALL AERIAL SPLICE ENCLOSURE	
31	INSTALL SPLICE CABINET	
32	MODIFY EXISTING SPLICE ENCLOSURE	
33	REMOVE EXISTING SPLICE CABINET	
34	INSTALL CABINET FOUNDATION	
35	REMOVE EXISTING CABINET FOUNDATION	

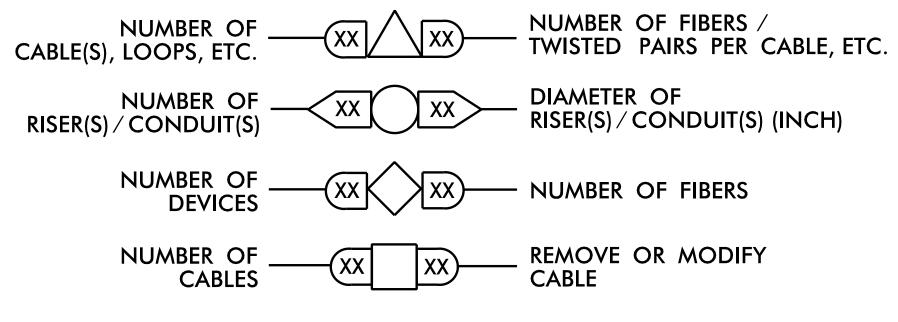
36	INSTALL CCTV CAMERA ASSEMBLY	FO
37	REMOVE EXISTING DMS, CABINET AND STRUCTURE	— EXI ———
38	INSTALL CCTV CAMERA METAL POLE AND FOUNDATION	
39	INSTALL STANDARD (ELECTRICAL) JUNCTION BOX	DD
40	INSTALL OVERSIZED JUNCTION BOX	
41	INSTALL SPECIAL OVERSIZED JUNCTION BOX	
42	INSTALL CELL MODEM	
43	REMOVE EXISTING METAL POLE AND FOUNDATION	
44	INSTALL AERIAL GUY ASSEMBLY	
45	INSTALL STANDARD GUY ASSEMBLY	
46	INSTALL SIDEWALK GUY ASSEMBLY	
47	INSTALL MESSENGER CABLE	
48	REMOVE EXISTING COMMUNICATIONS CABLE	
49	EXISTING SIGNAL CABINET	
50	CONDUITS INSTALLED IN BRIDGE STRUCTURE	
51	(SEE ROADWAY PLANS) INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE	
52	INSTALL DELINEATOR MARKERS	
52a	INSTALL JUNCTION BOX MARKER	
53	STORE 20 FEET OF COMMUNICATIONS CABLE (EACH CABLE), EXCEPT AS NOTED ON PLANS	
54	REMOVE EXISTING CABINET	(X
55	LASH CABLE(S) TO EXISTING SIGNAL / COMMUNICATION CABLE	
56	LASH CABLES TO NEW MESSENGER CABLE	
57	BOND TRACER WIRE TO EQUIPMENT GROUND BUS ON ONE EN	D
58	BOND MESSENGER TO POLE GROUND	
59	BOND RISER TO POLE GROUND	
59a	BOND RISER AND MESSENGER TO POLE GROUND	
60	BACK PULL EXISTING COMMUNICATIONS CABLE	
61	ABANDON EXISTING CONDUIT	

INTERCEPT EXISTING JUNCTION BOX

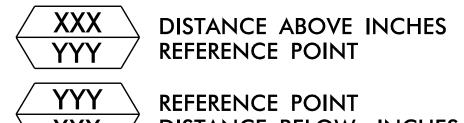
REMOVE EXISTING ANTENNA, RADIO, AND CABLE

	<u>LEGEND</u>	PROJECT REFERENCE
—F0 ———F0 —	NEW FIBER OPTIC COMMUNICATIONS CABLE	I-4400C
- EXI	EXISTING COMMUNICATIONS CABLE	
REM —— REM ——	EXISTING COMMUNICATIONS CABLE TO BE REMOVED	
	NEW CONDUIT	
	EXISTING CONDUIT	
DD ——— DD ——	NEW DIRECTIONAL DRILLED CONDUIT	
	EXISTING GUARDRAIL	
<u> </u>	NEW GUARDRAIL	
	NEW CHAIN LINK FENCE	
0	EXISTING METAL POLE WITH MASTARM	
	NEW METAL POLE WITH MASTARM	
	EXISTING RIGHT OF WAY	
	NEW OVERSIZED HEAVY DUTY JUNCTION BOX	
	EXISTING JUNCTION BOX	
	NEW OVERSIZED HEAVY DUTY JUNCTION BOX WITH SPLICE ENCLOSE	JRE
<u>S</u>	EXISTING OVERSIZED HEAVY DUTY JUNCTION BOX WITH NEW SPLICE ENCLOSURE	
	NEW SPECIAL OVERSIZED HEAVY DUTY JUNCTION BOX WITH SPLICE I	ENCLOSURE
<u> </u>	EXISTING SPECIAL OVERSIZED JUNCTION BOX WITH NEW SPLICE ENC	LOSURE
	EXISTING SPECIAL OVERSIZED JUNCTION BOX WITHOUT SPLICE ENCLO	SURE
0	NEW WOOD POLE	
•	EXISTING WOOD POLE	
\odot	NEW AERIAL SPLICE	
⑤ ◀	EXISTING AERIAL SPLICE	
<u>(S)</u>	NEW SPLICE ENCLOSURE	
S	EXISTING SPLICE ENCLOSURE	
	NEW METAL POLE	
<u> </u>	EXISTING METAL POLE NEW STANDARD GUY ASSEMBLY	
<u>—</u>	EXISTING STANDARD GUY ASSEMBLY	
	NEW SIGNAL CABINET	
K 7	EXISTING SIGNAL CABINET	
اد عا SP	SIGNAL POLE	
<u> </u>	SIGNAL INVENTORY NUMBER	

CONSTRUCTION NOTE SYMBOLOGY KEY

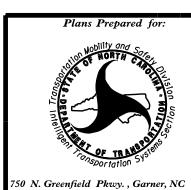


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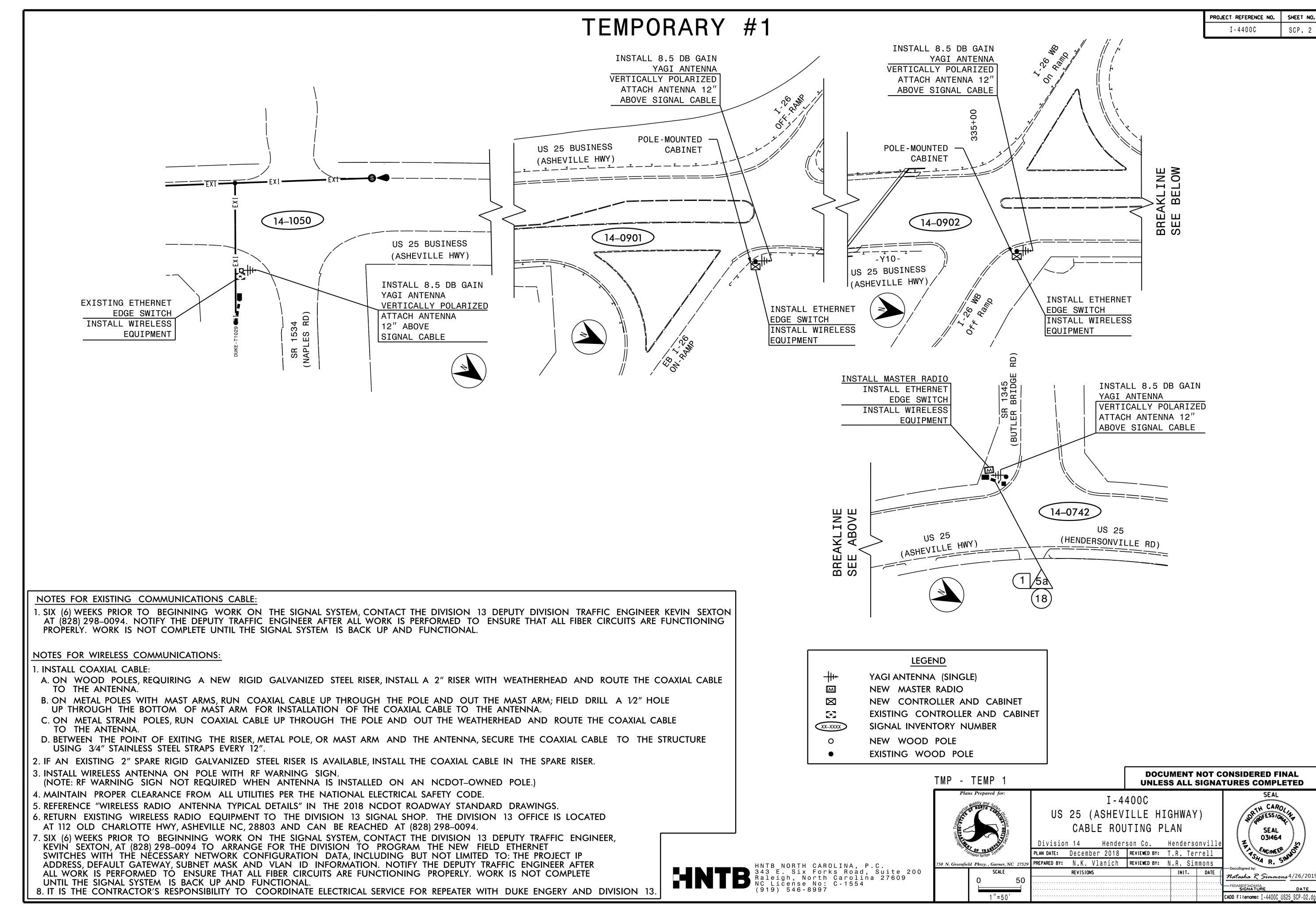


US 25 (ASHEVILLE HIGHWAY) CONSTRUCTION NOTES AND LEGEND

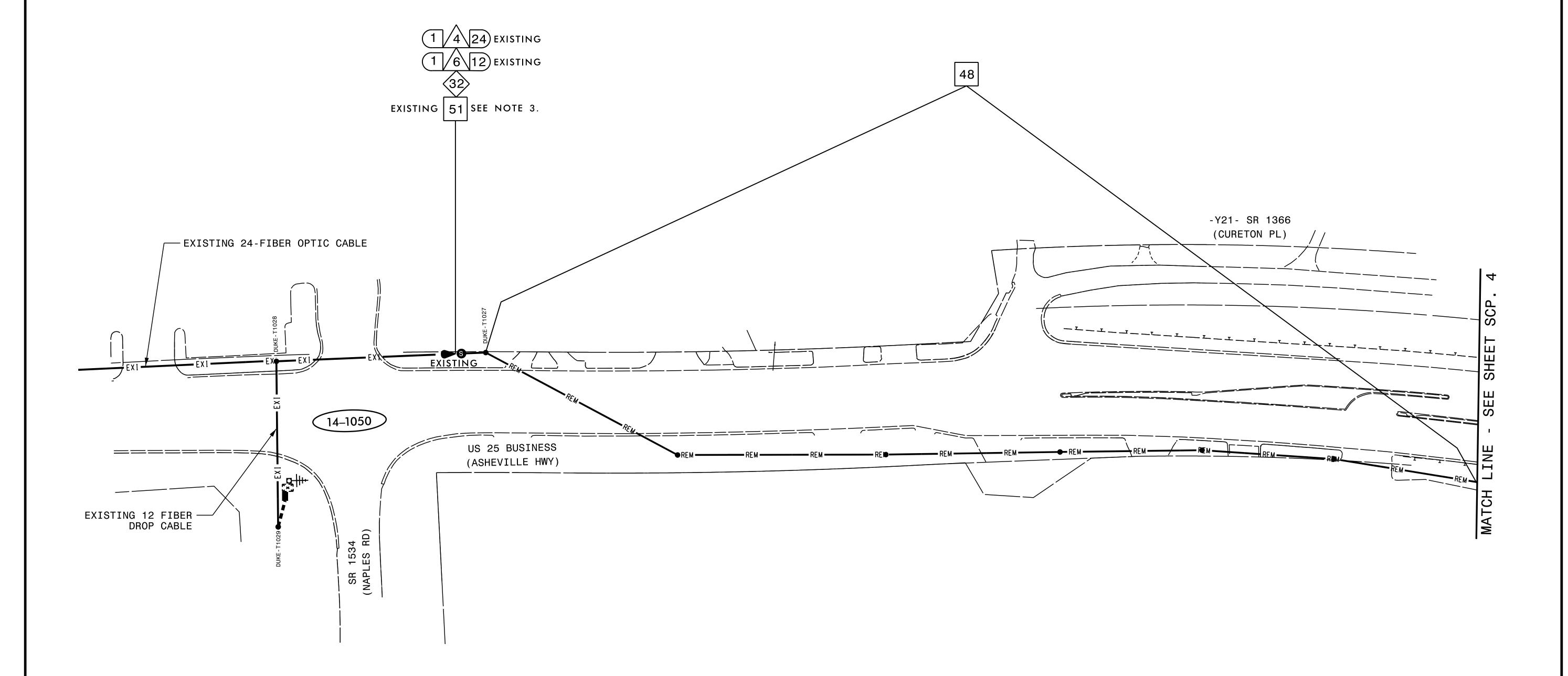
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HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554
(919) 546-8997

SEAL 031464 Division 14 Henderson Co. Hendersonville PLAN DATE: December 2018 REVIEWED BY: T.R. Terrell PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons REVISIONS NONE



TEMPORARY #1



NOTES:

1. SIX (6) WEEKS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 13 DEPUTY DIVISION TRAFFIC ENGINEER KEVIN SEXTON AT (828) 298–0094. NOTIFY THE DEPUTY TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND FUNCTIONAL.

2. SEAL ALL CONDUIT ENTRANCES WITH DUCT AND CONDUIT SEALER AT ALL JUNCTION BOX /CABINET ENTRANCES.
3. CUT EXISTING 24-FIBER OPTIC CABLE NORTH OF EXISTING SPLICE ENCLOSURE LOCATED NEAR SIGNAL 14-1050 AND STORE 100 FEET OF EXISTING 24-FIBER ON EXISTING SNOWSHOE.



TMP - TEMP

I-4400C US 25 (ASHEVILLE HIGHWAY) CABLE ROUTING PLAN

Division 14 Henderson Co. Hendersonville PLAN DATE: December 2018 REVIEWED BY: T.R. Terrell PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons

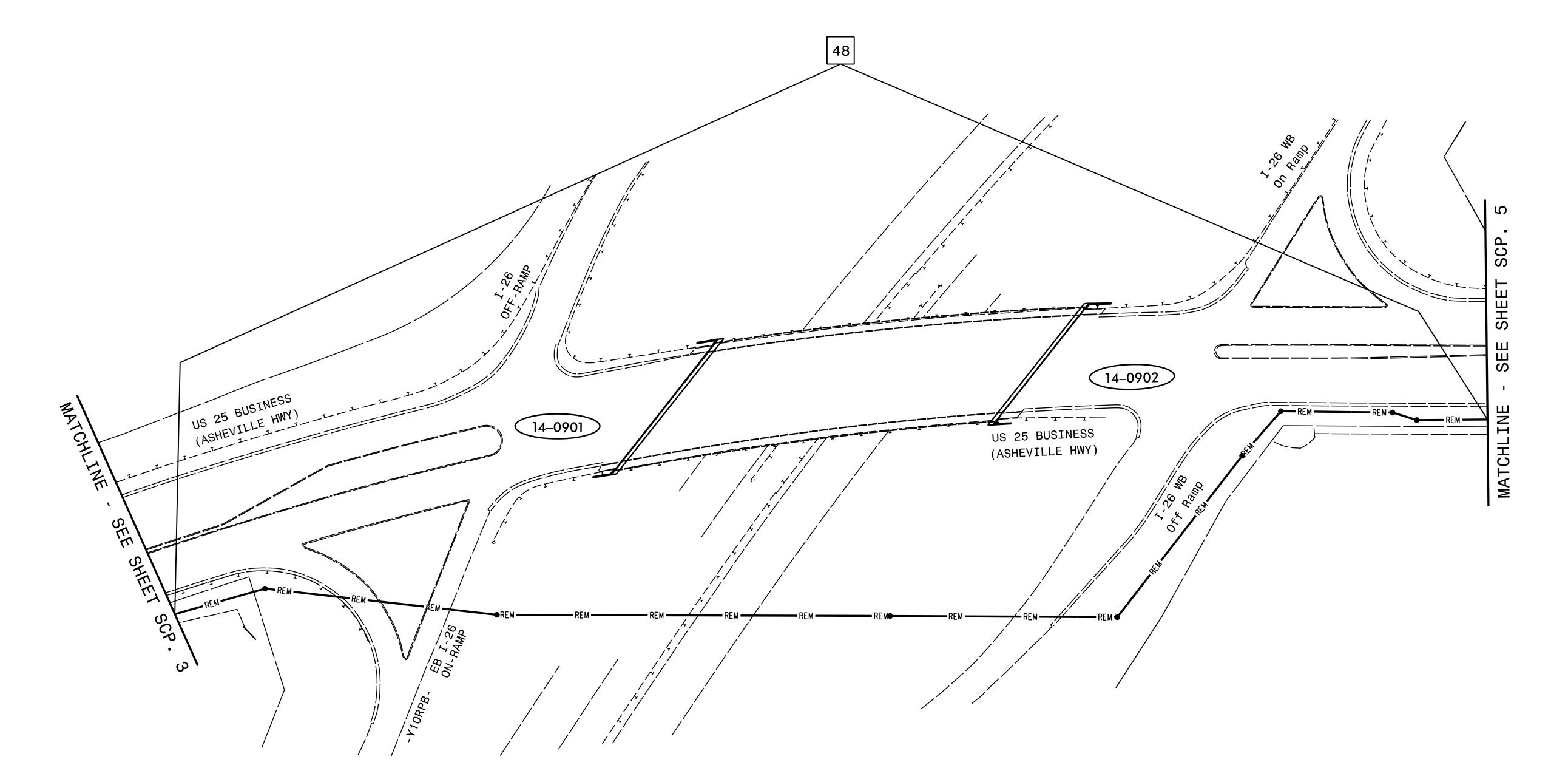
SEAL 031464

Natasha R Simmons 4/26/201 CADD Filename: I-4400C US25 SCP-03.dd

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1. SIX (6) WEEKS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 13 DEPUTY DIVISION TRAFFIC ENGINEER KEVIN SEXTON AT (828) 298–0094. NOTIFY THE DEPUTY TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND FUNCTIONAL.

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(919) 546-8997

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CABLE ROUTING PLAN Division 14 Henderson Co. Hendersonville

PLAN DATE: December 2018 REVIEWED BY: T.R. Terrell 50 N. Greenfield Pkwy., Garner, NC 27529 PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons

Natasha R Simmons 4/26/201

NOTES:



SCP 0 ABANDON EXISTING 24-FIBER OPTIC CABLE

NOTES:

1. SIX (6) WEEKS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 13 DEPUTY DIVISION TRAFFIC ENGINEER KEVIN SEXTON AT (828) 298–0094. NOTIFY THE DEPUTY TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND FUNCTIONAL.

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343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554
(919) 546-8997

TMP – TEMP

I-4400C US 25 (ASHEVILLE HIGHWAY) CABLE ROUTING PLAN

Division 14 Henderson Co. Hendersonville

PLAN DATE: December 2018 REVIEWED BY: T.R. Terrell 750 N. Greenfield Pkwy., Garner, NC 27529 PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. SIMMONS

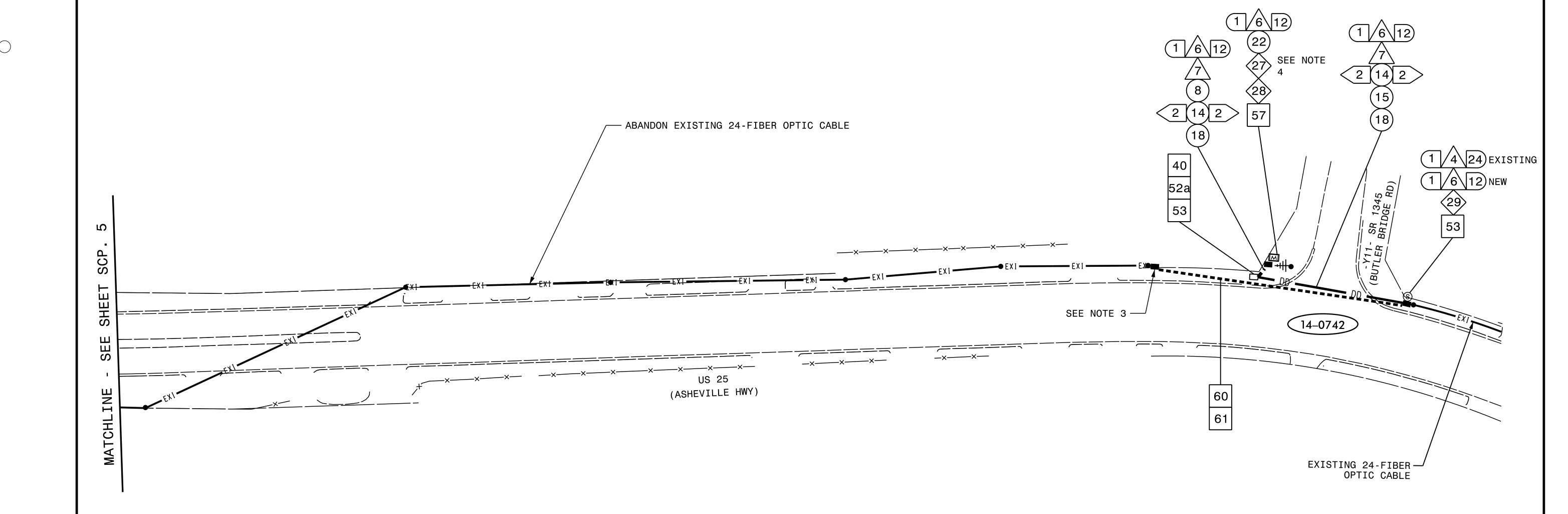
Natasha R Simmons 4/26/201 CADD Filename: I-4400C US25 SCP-05.dg

SEAL 031464

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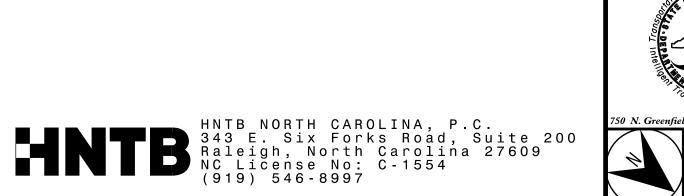
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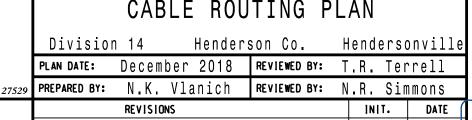


NOTES:

- 1. SIX (6) WEEKS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 13 DEPUTY DIVISION TRAFFIC ENGINEER KEVIN SEXTON AT (828) 298–0094. NOTIFY THE DEPUTY TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND FUNCTIONAL.
- 2. SEAL ALL CONDUIT ENTRANCES WITH DUCT AND CONDUIT SEALER AT ALL JUNCTION BOX /CABINET ENTRANCES. 3. CUT EXISTING FIBER OPTIC CABLE AT SIGNAL 14-0742 FROM JUNCTION BOX IN SOUTHWEST QUADRANT AND BACK PULL REMAINING 24 FIBER CABLE TO EXISTING JUNCTION BOX IN NORTHWEST QUADRANT FOR SPLICE ENCLOSURE AND INSTALL UNDERGROUND.
- 4. ETHERNET EDGE SWITCHES INSTALLED FOR TEMPORARY AND FINAL SIGNAL COMMUNICATIONS.



TMP - TEMP UNLESS ALL SIGNATURES COMPLETED I-4400C US 25 (ASHEVILLE HIGHWAY) CABLE ROUTING PLAN



Natasha R Simmons 4/26/201 CADD Filename: I-4400C US25 SCP-06.dd

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PROJECT REFERENCE NO. I-4400C SCP. 7

SR₁1345 BRIDGE RD) US 25 BUSINESS (ASHEVILLE HWY) -Y10-14-0742 US 25 BUSINESS 14-0902 (ASHEVILLE HWY) 14-0901 **RELOCATE 8.5 DB GAIN** YAGI ANTENNA VERTICALLY POLARIZED MOUNT ANTENNA ALONG MAST ARM A MINIMUM 6' AWAY FROM THE VERTICAL SHAFT MEMBER **RELOCATE 8.5 DB GAIN** YAGI ANTENNA VERTICALLY POLARIZED RELOCATE ETHERNET EDGE RELOCATE 8.5 DB GAIN MOUNT ANTENNA ALONG SWITCH TO NEW CABINET YAGI ANTENNA MAST ARM A MINIMUM 6' RELOCATE ETHERNET EDGE VERTICALLY POLARIZED AWAY FROM THE VERTICAL SWITCH TO NEW CABINET MOUNT ANTENNA ALONG SHAFT MEMBER MAST ARM A MINIMUM 6' AWAY FROM THE VERTICAL SHAFT MEMBER

TEMPORARY #2

NOTES FOR WIRELESS COMMUNICATIONS:

- 1. INSTALL COAXIAL CABLE:
- A. ON WOOD POLES, REQUIRING A NEW RIGID GALVANIZED STEEL RISER, INSTALL A 2" RISER WITH WEATHERHEAD AND ROUTE THE COAXIAL CABLE TO THE ANTENNA.
- B. ON METAL POLES WITH MAST ARMS, RUN COAXIAL CABLE UP THROUGH THE POLE AND OUT THE MAST ARM; FIELD DRILL A 1/2" HOLE UP THROUGH THE BOTTOM OF MAST ARM FOR INSTALLATION OF THE COAXIAL CABLE TO THE ANTENNA.
- C. ON METAL STRAIN POLES, RUN COAXIAL CABLE UP THROUGH THE POLE AND OUT THE WEATHERHEAD AND ROUTE THE COAXIAL CABLE TO THE ANTENNA.
- D. BETWEEN THE POINT OF EXITING THE RISER, METAL POLE, OR MAST ARM AND THE ANTENNA, SECURE THE COAXIAL CABLE TO THE STRUCTURE USING 3/4" STAINLESS STEEL STRAPS EVERY 12".
- 2. IF AN EXISTING 2" SPARE RIGID GALVANIZED STEEL RISER IS AVAILABLE, INSTALL THE COAXIAL CABLE IN THE SPARE RISER.
- 3. INSTALL WIRELESS ANTENNA ON POLE WITH RF WARNING SIGN.
- (NOTE: RF WARNING SIGN NOT REQUIRED WHEN ANTENNA IS INSTALLED ON AN NCDOT-OWNED POLE.)
- 4. MAINTAIN PROPER CLEARANCE FROM ALL UTILITIES PER THE NATIONAL ELECTRICAL SAFETY CODE.
- 5. REFERENCE "WIRELESS RADIO ANTENNA TYPICAL DETAILS" IN THE 2018 NCDOT ROADWAY STANDARD DRAWINGS.
- 6. RETURN EXISTING WIRELESS RADIO EQUIPMENT TO THE DIVISION 13 SIGNAL SHOP. THE DIVISION 13 OFFICE IS LOCATED AT 112 OLD CHARLOTTE HWY, ASHEVILLE NC, 28803 AND CAN BE REACHED AT (828) 298-0094.
- 7. SIX (6) WEEKS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 13 DEPUTY TRAFFIC ENGINEER, KEVIN SEXTON, AT (828) 298–0094 TO ARRANGE FOR THE DIVISION TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NÉCESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE DEPUTY TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND FUNCTIONAL.
- 8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ELECTRICAL SERVICE FOR REPEATER WITH DUKE ENGERY AND DIVISION 13

LEGEND

YAGI ANTENNA (SINGLE)

EXISTING MASTER RADIO

NEW CONTROLLER AND CABINET

EXISTING CONTROLLER AND CABINET SIGNAL INVENTORY NUMBER

XX-XXXX

EXISTING METAL POLE W/MAST ARM

EXISTING WOOD POLE

TMP - TEMP 2

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1"=50'

I-4400C US 25 (ASHEVILLE HIGHWAY) CABLE ROUTING PLAN

Division 14 Henderson Co. Hendersonville PLAN DATE: December 2018 REVIEWED BY: T.R. Terrell PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons

REVISIONS

Natasha R Simmons 4/26/201 CADD Filename: I-4400C US25 SCP-07.d

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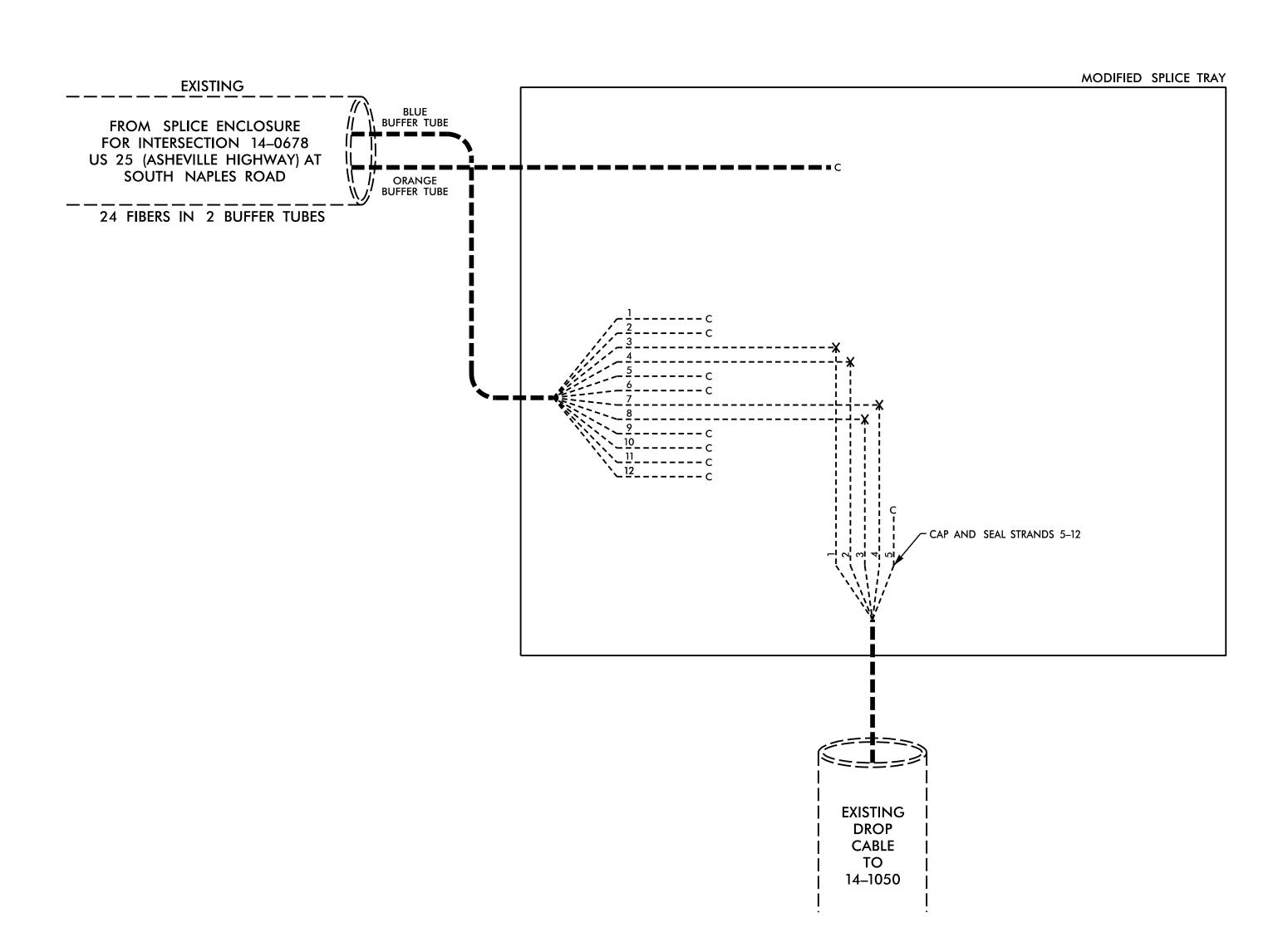
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TEMPORARY 14–1050 US 25 (ASHEVILLE HIGHWAY) AT SR 1534 (NAPLES ROAD)/ SKYLAND DRIVE

LEGEND COLOR CODE TIA/EIA 598-C X = NEW FUSION SPLICE INDIVIDUAL FIBER • = EXISTING FUSION SPLICE C = CAP AND SEALEXPRESS ENTIRE BUFFER TUBE EXPRESS THROUGH WITHOUT CUTTING BUFFER SPLICE = SPLICE ALL FIBERS IN BUFFER (12) AQUA

TUBE COLOR TO COLOR



NOTES:

- 1. UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY.
- 2. UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE TRAY.
- 3. ETHERNET EDGE SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.
- 4. INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING: REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

(1) SPLICE

(2) DATE

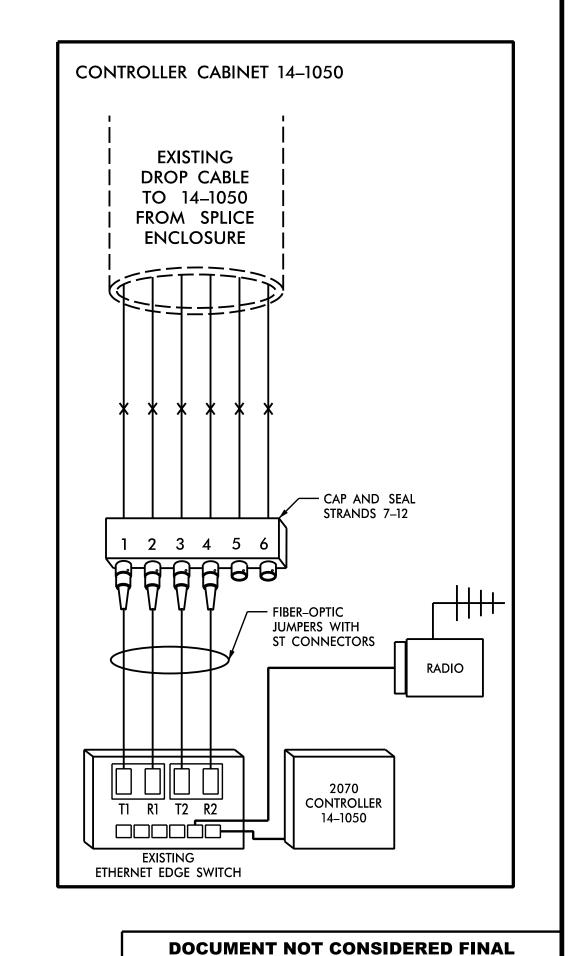
(3) COMPANY NAME (4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

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.

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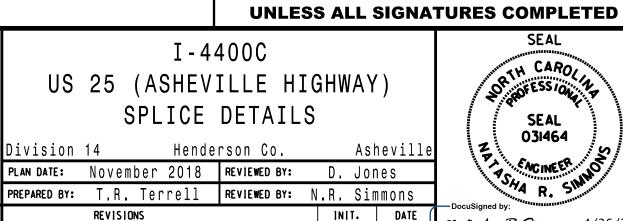
TMP-TEMP

NONE



PROJECT REFERENCE NO.

I-4400C

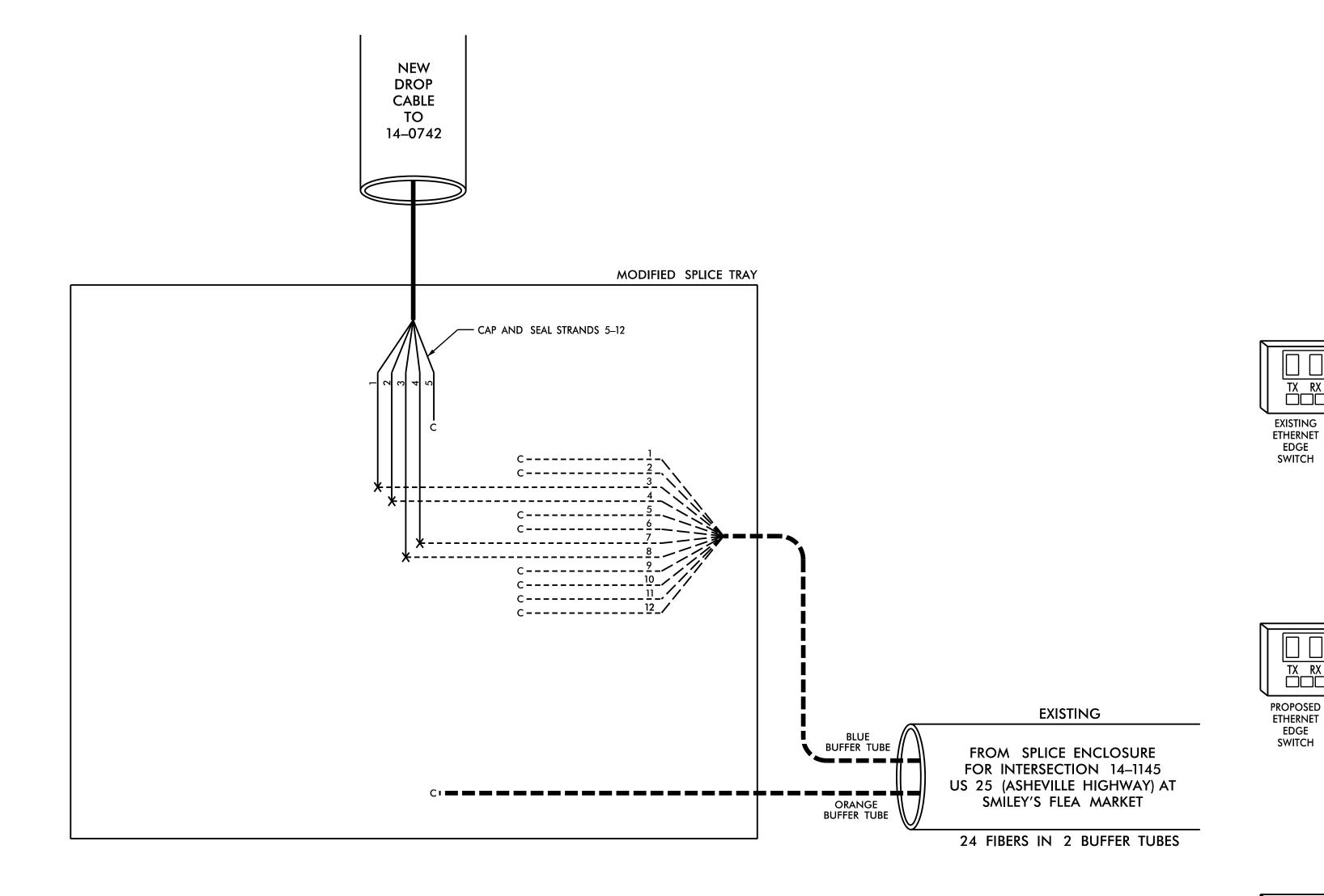


INIT. DATE Natasha R Simmons 4/26/201 CADD Filename: I-4400C US25 SCP-08.dg

TEMPORARY CONDITION 14-0742 US 25 (ASHEVILLE HIGHWAY) SR 1354 (BUTLER BRIDGE ROAD)

LEGEND COLOR CODE TIA/EIA 598-C X = NEW FUSION SPLICE INDIVIDUAL FIBER • = EXISTING FUSION SPLICE C = CAP AND SEALEXPRESS ENTIRE BUFFER TUBE THROUGH WITHOUT CUTTING BUFFER SPLICE = SPLICE ALL FIBERS IN BUFFER TUBE COLOR TO COLOR

PROJECT REFERENCE NO. I-4400C



RADIO 2070E CONTROLLER TX RX TX RX 14–1050 CONTROLLER CABINET 14-0742 NEW DROP CABLE TO 14-0742 FROM SPLICE **ENCLOSURE** RADIO TX RX TX RX 2070E CONTROLLER 14-0901 CAP AND SEAL STRANDS 7–12 1 2 3 4 5 6 **RADIO** - FIBER_OPTIC JUMPERS WITH ST CONNECTORS TX RX TX RX 2070E PROPOSED CONTROLLER MASTER 14-0902 RADIO PROPOSED ETHERNET **SWITCH** 2070 CONTROLLER 14–0742 T1 R1 T2 R2 PROPOSED ETHERNET EDGE SWITCH

NOTES:

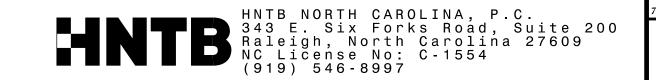
- 1. UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY.
- 2. UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE TRAY.
- 3. ETHERNET EDGE SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.
- 4. INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING: REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

(1) SPLICE

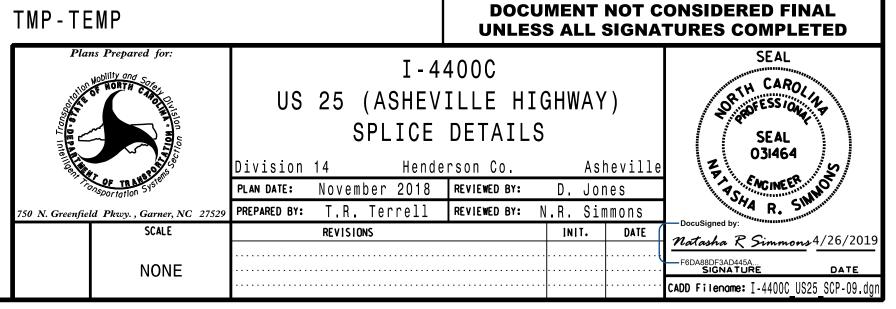
(2) DATE

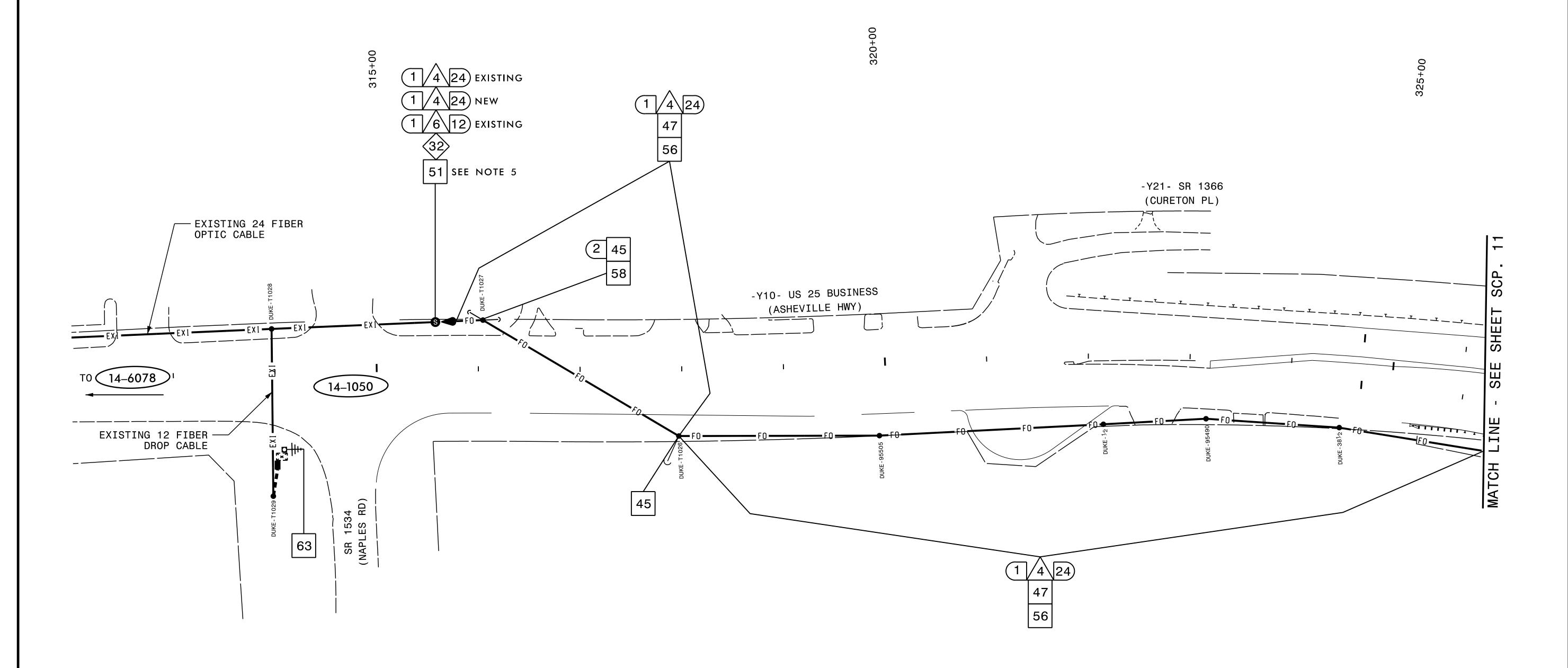
(3) COMPANY NAME (4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

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.



EDGE





NOTES:

- 1. ALL FIBER OPTIC CABLE ATTACHMENT POINTS ARE 40" BELOW POWER FRONT SIDE (FS) UNLESS OTHERWISE NOTED.
 2. SIX (6) WEEKS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 13 DEPUTY DIVISION TRAFFIC ENGINEER KEVIN SEXTON AT (828) 298–0094. NOTIFY THE DEPUTY TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND FUNCTIONAL.
- 3. MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT AND A MINIMUM OF FIVE (5) FEET BEHIND THE MSE WALL WHEN TRENCHING PARALLEL TO THE ROADWAY.
- 4. SEAL ALL CONDUIT ENTRANCES WITH DUCT AND CONDUIT SEALER AT ALL JUNCTION BOX / CABINET ENTRANCES.
- 5. INSTALL 100 FEET OF NEW 24-FIBER ON EXISITNG SNOWSHOE.

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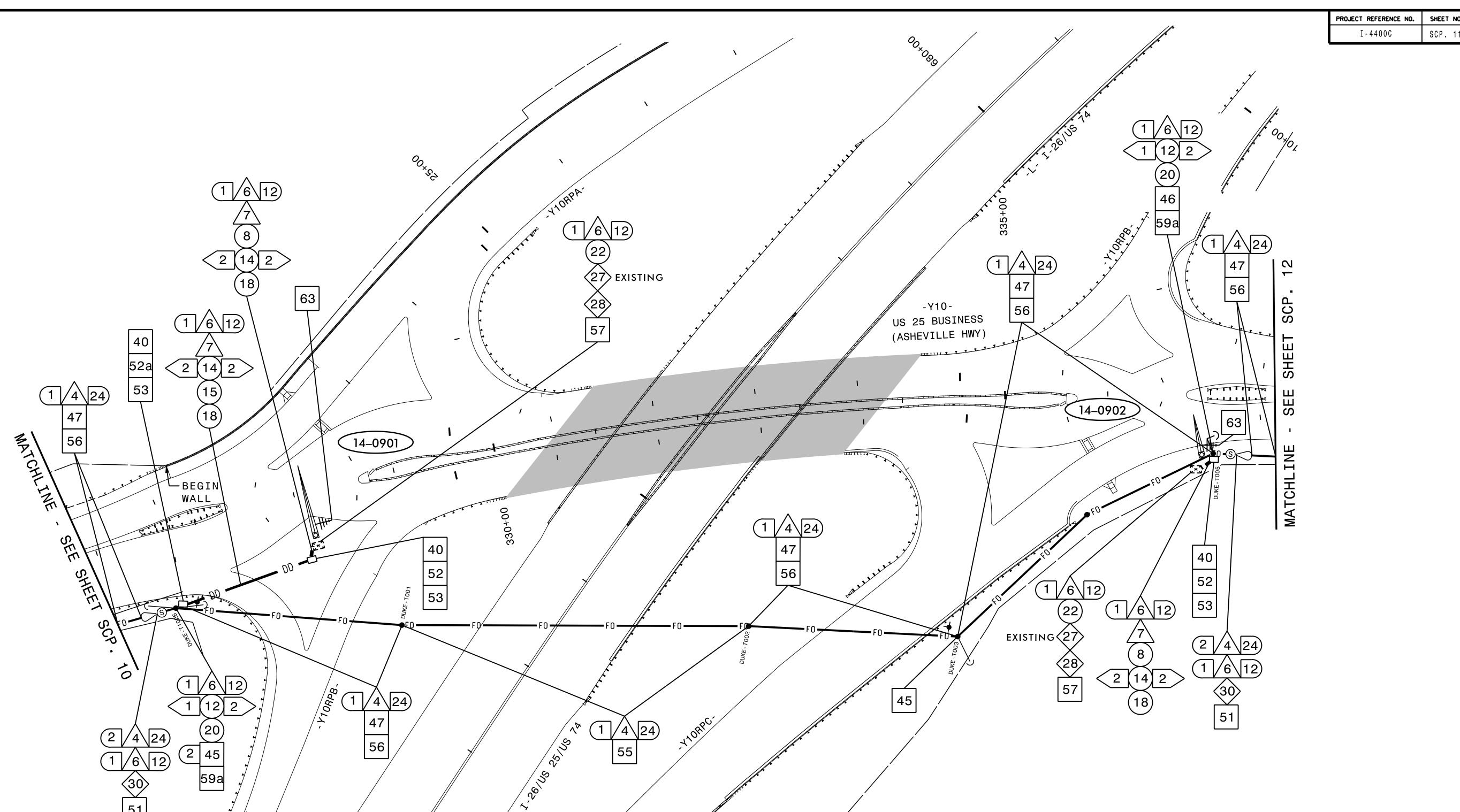
TMP - FINAL UNLESS ALL SIGNATURES COMPLETED I-4400C US 25 (ASHEVILLE HIGHWAY) CABLE ROUTING PLAN

Division 14 Henderson Co. Hendersonville PLAN DATE: December 2018 REVIEWED BY: T.R. Terrell PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons

Natasha R Simmons 4/26/201

DOCUMENT NOT CONSIDERED FINAL

SEAL 031464



NOTES:

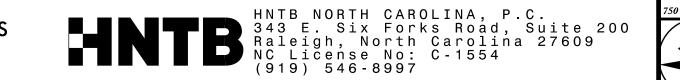
ALL FIBER OPTIC CABLE ATTACHMENT POINTS ARE 40" BELOW POWER FRONT SIDE (FS) UNLESS OTHERWISE NOTED.
 SIX (6) WEEKS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 13 DEPUTY DIVISION TRAFFIC ENGINEER KEVIN SEXTON AT (828) 298–0094. NOTIFY THE DEPUTY TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND FUNCTIONAL.
 MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT AND A MINIMUM OF FIVE (5) FEET BEHIND THE MSE WALL

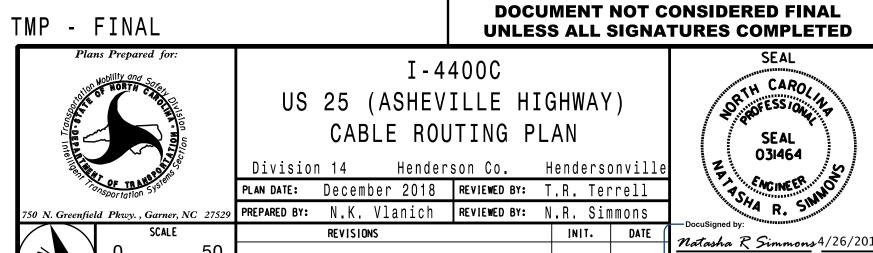
WALL WHEN TRENCHING PARALLEL TO THE ROADWAY.

4. SEAL ALL CONDUIT ENTRANCES WITH DUCT AND CONDUIT SEALER AT ALL JUNCTION BOX /CABINET ENTRANCES.

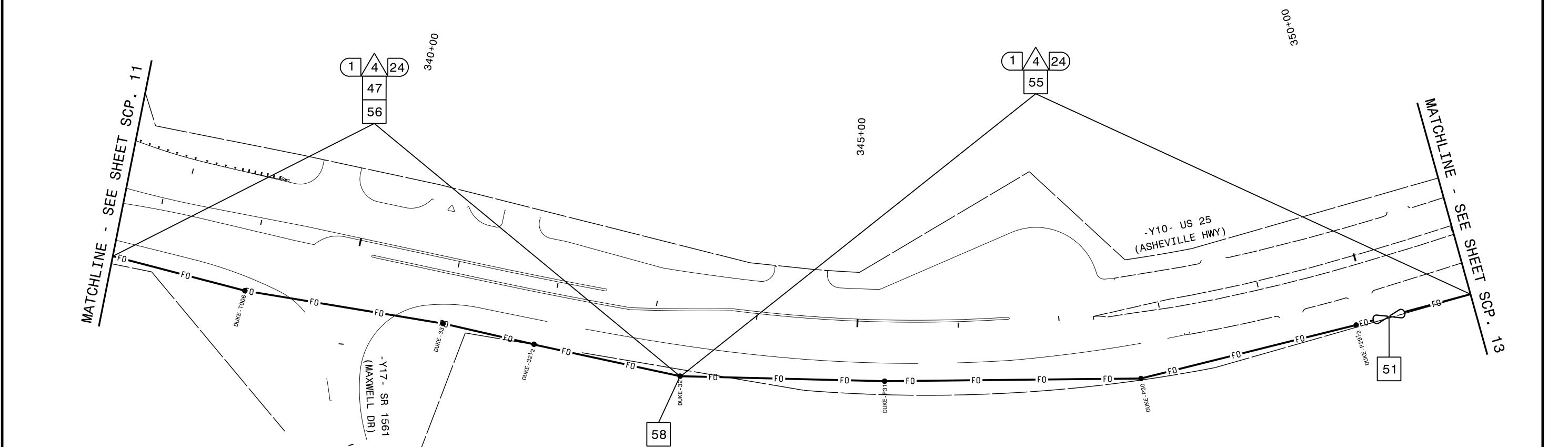
5. ETHERNET EDGE SWITCHES INSTALLED FOR TEMPORARY AND FINAL SIGNAL COMMUNICATIONS.

6. AFTER THE FIBER OPTIC CABLE CONSTRUCTION IS COMPLETE AND TRAFFIC IS IN THE FINAL PATTERN, REMOVE EXISTING WIRELESS ASSEMBLY AND DELIVER TO DIVISION 13 TRAFFIC SERVICES, 112 OLD CHARLOTTE HWY, ASHEVILLE, NC 28803.





CADD Filename: I-4400C US25 SCP-11.d



NOTES:

1. ALL FIBER OPTIC CABLE ATTACHMENT POINTS ARE 40" BELOW POWER FRONT SIDE (FS) UNLESS OTHERWISE NOTED.

2. SIX (6) WEEKS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 13 DEPUTY DIVISION TRAFFIC ENGINEER KEVIN SEXTON AT (828) 298–0094. NOTIFY THE DEPUTY TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND FUNCTIONAL.

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TMP – FINAL I-4400C US 25 (ASHEVILLE HIGHWAY)

CABLE ROUTING PLAN Division 14 Henderson Co. Hendersonville

PLAN DATE: December 2018 REVIEWED BY: T.R. Terrell 750 N. Greenfield Pkwy., Garner, NC 27529 PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. SIMMONS

SEAL 031464

DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETED

Natasha R Simmons 4/26/201

PROJECT REFERENCE NO. I-4400C MATCHLINE - SEE SHEET SCP. 14 53 6 12 EXISTING 63 SHE US 25 (ASHEVILLE HWY) EXISTING — 24 FIBER OPTIC MATCHL CABLE 1 6 12 EXISTING DOCUMENT NOT CONSIDERED FINAL TMP - FINAL UNLESS ALL SIGNATURES COMPLETED I-4400C US 25 (ASHEVILLE HIGHWAY)

NOTES:

1. ALL FIBER OPTIC CABLE ATTACHMENT POINTS ARE 40" BELOW POWER FRONT SIDE (FS) UNLESS OTHERWISE NOTED.
2. SIX (6) WEEKS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 13 DEPUTY DIVISION TRAFFIC ENGINEER KEVIN SEXTON AT (828) 298–0094. NOTIFY THE DEPUTY TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND FUNCTIONAL.

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CABLE ROUTING PLAN

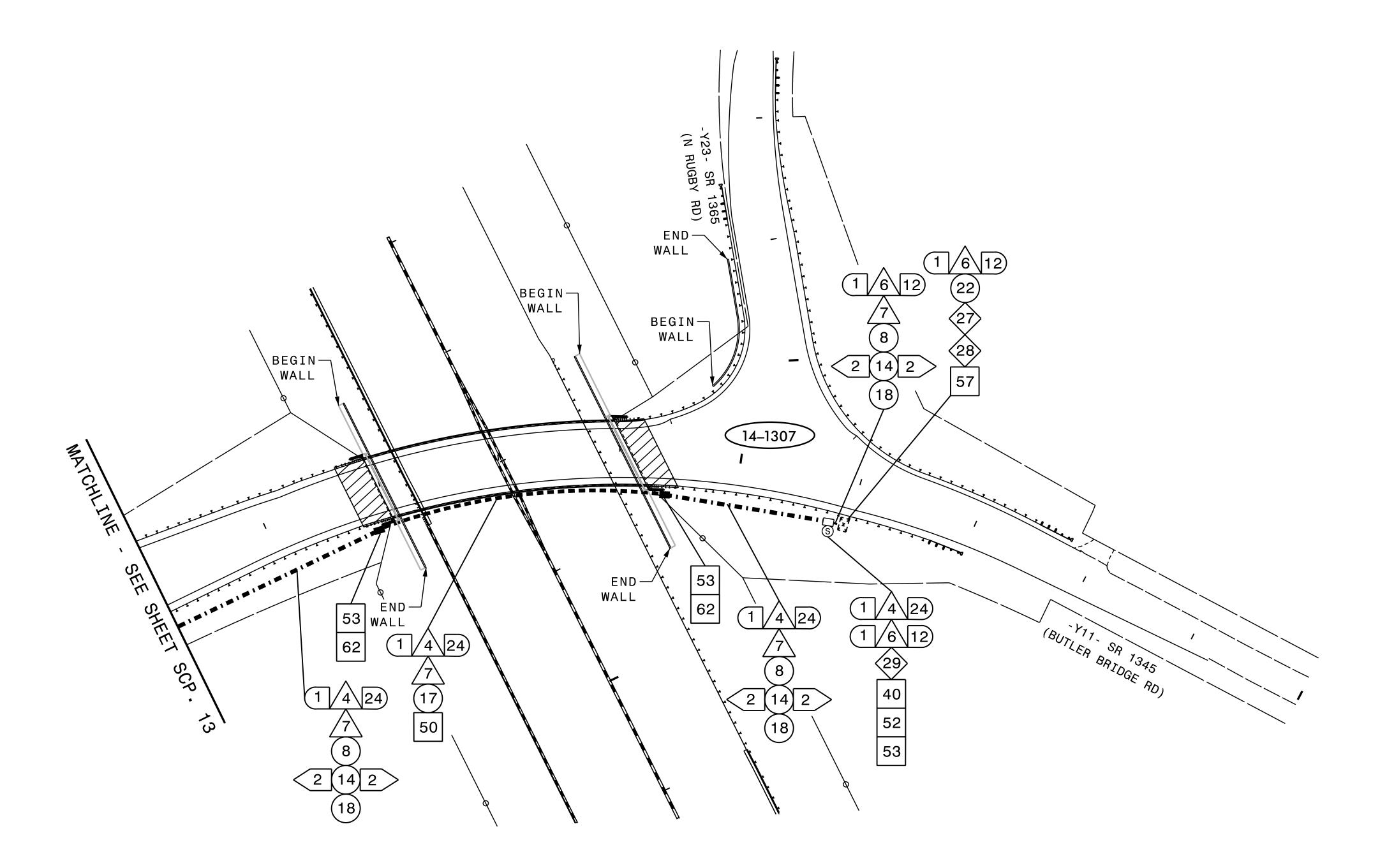
Division 14 Henderson Co. Hendersonville PLAN DATE: December 2018 REVIEWED BY: T.R. Terrell PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons

REVISIONS

Natasha R Simmons 4/26/201 CADD Filename: I-4400C US25 SCP-13.dg

SEAL 031464

PROJECT REFERENCE NO. SHEET N
I - 4400C SCP. 1



NOTES:

1. ALL FIBER OPTIC CABLE ATTACHMENT POINTS ARE 40" BELOW POWER FRONT SIDE (FS) UNLESS OTHERWISE NOTED.
2. SIX (6) WEEKS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE DIVISION 13 DEPUTY DIVISION TRAFFIC ENGINEER KEVIN SEXTON AT (828) 298–0094. NOTIFY THE DEPUTY TRAFFIC ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND FUNCTIONAL.

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TMP - FINAL

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



I-4400C US 25 (ASHEVILLE HIGHWAY) CABLE ROUTING PLAN

, 40%		CABLE	: KUU	IING P	LAN	
•	Divisior	14	Henders	son Co.	Hend	ersonville
	PLAN DATE:	December	2018	REVIEWED BY:	T.R.	Terrell
NC 27529	PREPARED BY:	N.K. Vl	anich	REVIEWED BY:	N.R.	Simmons

PLAN DATE: December 2018 REVIEWED BY: T.R. Terrell

PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons

REVISIONS INIT. DATE

E DocuSigned by:

**Matasha R Simmons 4/26/20

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**SIGNATURE DATE

**CADD Filenome: I-44000 US25 SCP-14...

SEAL 031464

14–1050 US 25 (ASHEVILLE HIGHWAY) SR 1534 (NAPLES ROAD)/ SKYLAND DRIVE

LEGEND COLOR CODE TIA/EIA 598-C X = NEW FUSION SPLICE INDIVIDUAL FIBER • = EXISTING FUSION SPLICE C = CAP AND SEALEXPRESS ENTIRE BUFFER TUBE **EXPRESS** THROUGH WITHOUT CUTTING

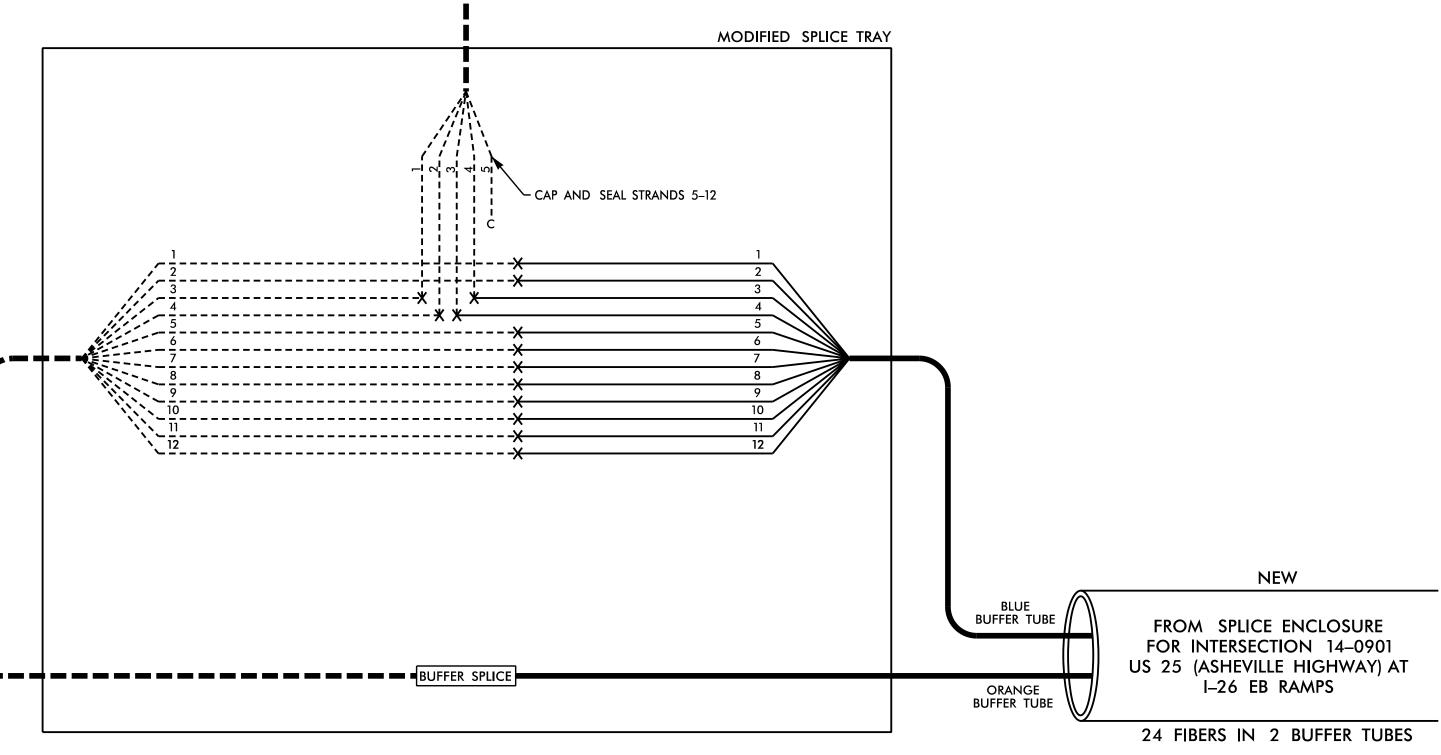
BUFFER SPLICE

= SPLICE ALL FIBERS IN BUFFER

TUBE COLOR TO COLOR

PROJECT REFERENCE NO.

I-4400C



EXISTING

DROP

CABLE TO 14–1050

~==**=**==

- 1. UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY.
- 2. UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE TRAY.
- 3. ETHERNET EDGE SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

EXISTING

FROM SPLICE ENCLOSURE

FOR INTERSECTION 14–0678

US 25 (ASHEVILLE HIGHWAY) AT

SOUTH NAPLES ROAD

24 FIBERS IN 2 BUFFER TUBES

|| ORANGE BUFFER TUBE

4. INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING: REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

(1) SPLICE

(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. TMP-FINAL

I-4400C

EXISTING ETHERNET **EDGE SWITCH**



US 25 (ASHEVILLE HIGHWAY) SPLICE DETAILS

Henderson Co. Division 14 Asheville D. Jones PLAN DATE: November 2018 REVIEWED BY: PREPARED BY: T.R. Terrell REVIEWED BY: N.R. Simmons REVISIONS INIT. DATE

NONE

TH CAROL OR OFESSION A 031464 Natasha R Simmons 4/26/201

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(919) 546-8997

NOTES:

CAP AND SEAL STRANDS 7-12 1 2 3 4 5 6

CONTROLLER CABINET 14–1050

EXISTING DROP CABLE TO 14-1050 FROM SPLICE

ENCLOSURE

└ FIBER_OPTIC JUMPERS WITH ST CONNECTORS 2070 CONTROLLER T1 R1 T2 R2 14–1050

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

CADD Filename: I-4400C US25 SCP-15.dg

(1) SPLICE

(2) DATE

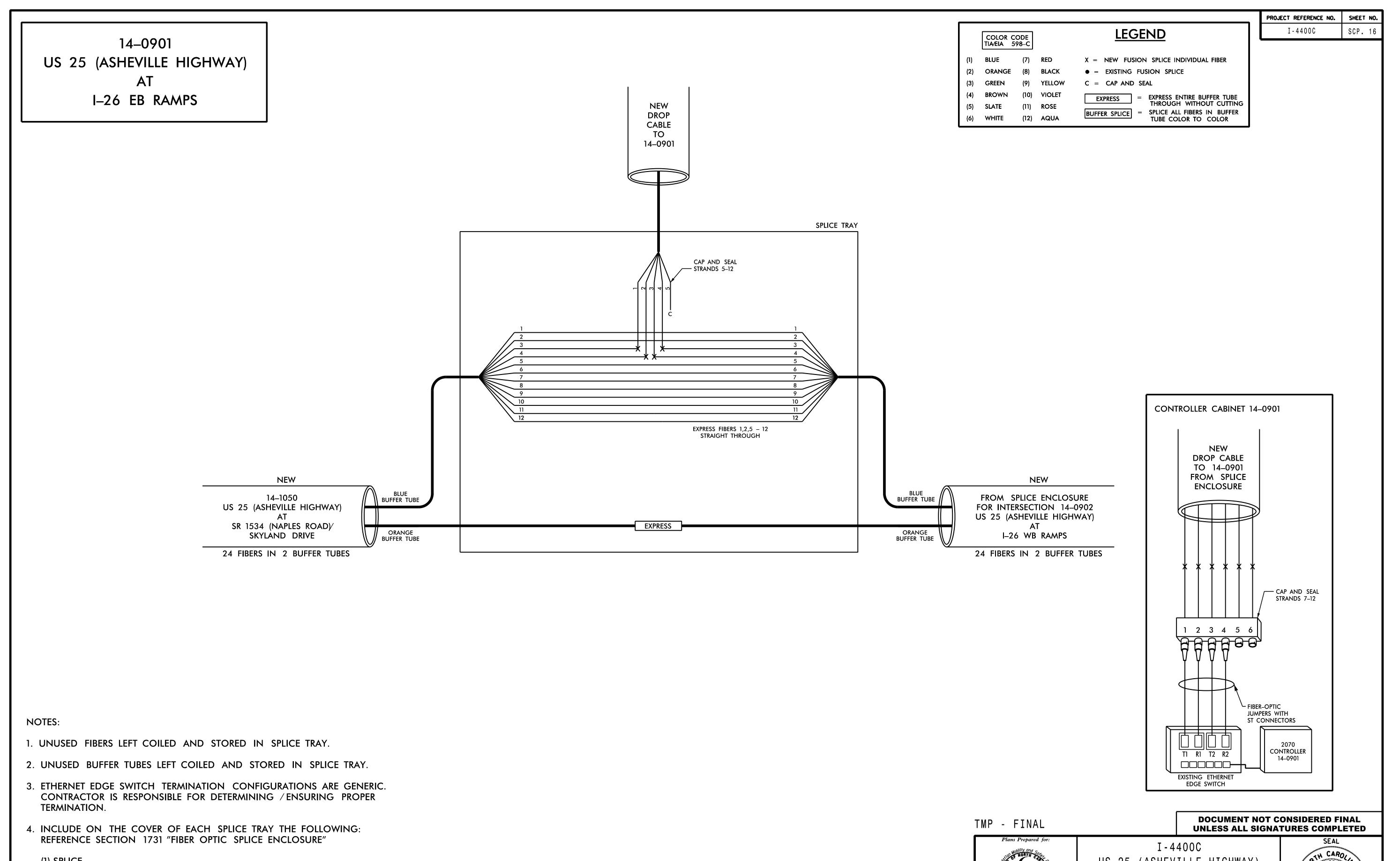
(3) COMPANY NAME

(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.



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US 25 (ASHEVILLE HIGHWAY)

SPLICE DETAILS

Henderson Co.

PREPARED BY: T.R. Terrell REVIEWED BY: N.R. Simmons

PLAN DATE: November 2018 REVIEWED BY:

REVISIONS

Division 14

NONE

OP OF ESSION 1

SEAL 031464

Natasha R Simmons 4/26/201

CADD Filename: I-4400C US25 SCP-16.dg

Asheville

D. Jones

INIT. DATE

COLOR CODE TIA/EIA 598-C 14-0902 US 25 (ASHEVILLE HIGHWAY) X = NEW FUSION SPLICE INDIVIDUAL FIBER • = EXISTING FUSION SPLICE C = CAP AND SEALI-26 WB RAMPS NEW BUFFER SPLICE = SPLICE ALL FIBERS IN BUFFER DROP (12) AQUA **CABLE** TO 14-0902 SPLICE TRAY CAP AND SEAL - STRANDS 5-12

> CONTROLLER CABINET 14-0902 DROP CABLE TO 14-0902 FROM SPLICE **ENCLOSURE** CAP AND SEAL STRANDS 7–12 1 2 3 4 5 6 FIBER-OPTIC JUMPERS WITH ST CONNECTORS 2070 CONTROLLER T1 R1 T2 R2 14-0902 EXISTING ETHERNET EDGE SWITCH

PROJECT REFERENCE NO.

I-4400C

LEGEND

= EXPRESS ENTIRE BUFFER TUBE THROUGH WITHOUT CUTTING

TUBE COLOR TO COLOR

NOTES:

- 1. UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY.
- 2. UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE TRAY.
- 3. ETHERNET EDGE SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

NEW

FROM SPLICE ENCLOSURE

FOR INTERSECTION 14-0901 US 25 (ASHEVILLE HIGHWAY)

I-26 EB RAMPS

24 FIBERS IN 2 BUFFER TUBES

BLUE
BUFFER TUBE

ORANGE BUFFER TUBE

4. INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING: REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

(1) SPLICE

(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. TMP – FINAL

UNLESS ALL SIGNATURES COMPLETED I-4400C TH CARO

DOCUMENT NOT CONSIDERED FINAL

OR OFESSION A

031464



NONE

NEW

FROM SPLICE ENCLOSURE FOR INTERSECTION 14-0742

US 25 (ASHEVILLE HIGHWAY)

SR 1354 (BUTLER BRIDGE ROAD)

24 FIBERS IN 2 BUFFER TUBES

BLUE BUFFER TUBE

ORANGE BUFFER TUBE

US 25 (ASHEVILLE HIGHWAY) SPLICE DETAILS

Henderson Co. Division 14 Asheville D. Jones PLAN DATE: November 2018 REVIEWED BY: PREPARED BY: T.R. Terrell REVIEWED BY: N.R. Simmons

REVISIONS INIT. DATE Natasha R Simmons 4/26/201 CADD Filename: I-4400C US25 SCP-17.dg

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EXPRESS FIBERS 1,2,5 – 12 STRAIGHT THROUGH

EXPRESS

14-0742 US 25 (ASHEVILLE HIGHWAY) SR 1354 (BUTLER BRIDGE ROAD)

LEGEND COLOR CODE TIA/EIA 598-C X = NEW FUSION SPLICE INDIVIDUAL FIBER • = EXISTING FUSION SPLICE C = CAP AND SEALEXPRESS ENTIRE BUFFER TUBE

BUFFER SPLICE

THROUGH WITHOUT CUTTING = SPLICE ALL FIBERS IN BUFFER

CONTROLLER CABINET 14-0742

EXISTING

DROP CABLE TO 14-0742

FROM SPLICE **ENCLOSURE**

1 2 3 4 5 6

AAAA00

T1 R1 T2 R2

EXISTING ETHERNET **EDGE SWITCH**

TUBE COLOR TO COLOR

PROJECT REFERENCE NO. I-4400C

DROP CABLE TO 14-0742 MODIFIED SPLICE TRAY CAP AND SEAL STRANDS 5-12 NEW BLUE BUFFER TUBE FROM SPLICE ENCLOSURE FOR INTERSECTION 14-1307 SR 1354 (BUTLER BRIDGE RD) ORANGE BUFFER TUBE SR 1365 (RUGBY RD) 24 FIBERS IN 2 BUFFER TUBES EXISTING NEW BLUE
BUFFER TUBE FROM SPLICE ENCLOSURE BUFFER TUBE FROM SPLICE ENCLOSURE FOR INTERSECTION 14–0902 FOR INTERSECTION 14-1145 US 25 (ASHEVILLE HIGHWAY) US 25 (ASHEVILLE HIGHWAY) AT BUFFER SPLICE -SMILEY'S FLEA MARKET ORANGE BUFFER TUBE ORANGE BUFFER TUBE I-26 WB RAMPS 24 FIBERS IN 2 BUFFER TUBES 24 FIBERS IN 2 BUFFER TUBES

EXISTING

NOTES:

- 1. UNUSED FIBERS LEFT COILED AND STORED IN SPLICE TRAY.
- 2. UNUSED BUFFER TUBES LEFT COILED AND STORED IN SPLICE TRAY.
- 3. ETHERNET EDGE SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.
- 4. INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING: REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

(1) SPLICE

(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. TMP-FINAL

UNLESS ALL SIGNATURES COMPLETED

CAP AND SEAL STRANDS 7–12

FIBER-OPTIC JUMPERS WITH ST CONNECTORS

> 2070 CONTROLLER

14-0742

DOCUMENT NOT CONSIDERED FINAL



I-4400C US 25 (ASHEVILLE HIGHWAY) SPLICE DETAILS

Division 14 Henderson Co. Asheville PLAN DATE: November 2018 REVIEWED BY: D. Jones

PREPARED BY: T.R. Terrell REVIEWED BY: N.R. Simmons REVISIONS INIT. DATE NONE

031464 Natasha R Simmons 4/26/201

CADD Filename: I-4400C US25 SCP-18.dd

TH CAROL

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