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WBS: 50061.1.10

TIP PROJECT: C-56001

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

WAKE COUNTY

LOCATION: US-1/US-64 FROM SR 1149 (FRIENDSHIP RD) TO I-40/I-440

TYPE OF WORK: COMMUNICATIONS CABLE AND CONDUIT ROUTING, DYNAMIC MESSAGE SIGNS AND CCTV CAMERA INSTALLATION

FINAL PLANS

2012 STANDARD SPECIFICATIONS

PROJECT LENGTH
PROJECT LENGTH = 12.3 MILES

LETTING DATE:
OCTOBER 2016

INDEX OF SHEETS
ITS-1-----TITLE SHEET
ITS-2-----CONSTRUCTION NOTES AND LEGEND
ITS-3 THRU ITS-4-----SHEET INDEX
ITS-5-----SYSTEM BLOCK DIAGRAM
ITS-6 THRU ITS-11-----TYPICAL DETAILS
ITS-12 THRU ITS-44-----CCTV, DMS AND CABLE ROUTING PLANS
ITS-45 THRU ITS-57-----SPlice DETAILS

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" ROADWAY DESIGN UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1700.01	ELECTRICAL SERVICE OPTIONS
1700.02	ELECTRICAL SERVICE GROUNDING
1715.01	UNDERGROUND CONDUIT-TRENCHING
1716.01	JUNCTION BOXES
1720.01	WOOD POLES
1730.01	FIBER OPTIC CABLE
1751.01	CONTROLLER AND CABINETS
1751.02	CONTROLLER AND CABINETS

NCDOT CONTACTS:
TRANSPORTATION SAFETY AND MOBILITY
INTELLIGENT TRANSPORTATION SYSTEMS SECTION
THOMAS G. PARKER - ITS PROJECT ENGINEER
ANN R. LORSCHIEDER, P.E., PTOE - ITS PROJECT DESIGN ENGINEER

PLANS PREPARED BY:
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Raleigh, NC 27636
TEL: (919) 677-2000
FAX: (919) 677-2050

KIMLEY-HORN CONTACTS: T.F. BURCHETT, P.E. - PROJECT MANAGER
TAYLOR A. HONEYCUTT, P.E. - PROJECT ENGINEER

750 Greenfield Pkwy., Garner, NC 27529

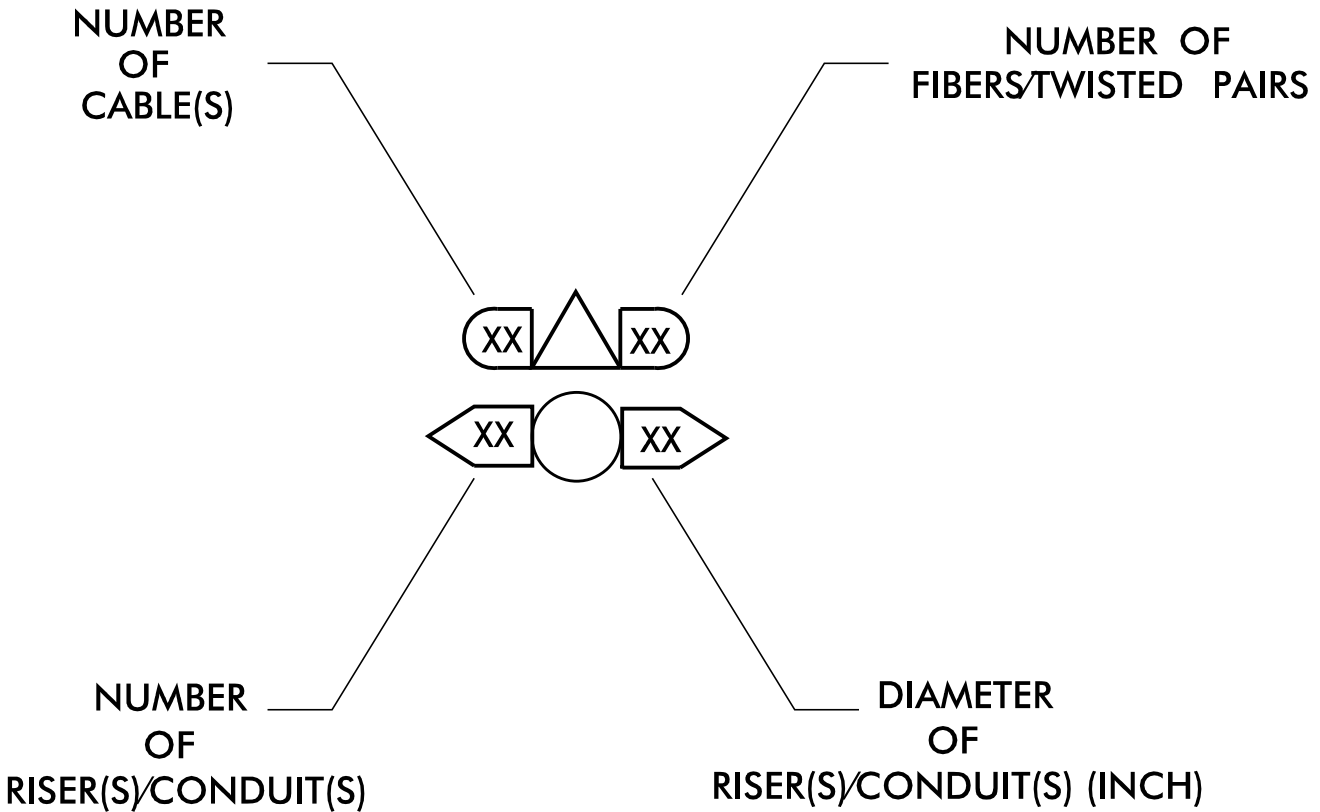
SEAL

LEGEND

	NEW FIBER OPTIC COMMUNICATIONS CABLE
	EXISTING COMMUNICATIONS CABLE
	EXISTING COMMUNICATIONS CABLE TO BE REMOVED
	NEW OVERHEAD POWER SERVICE
	NEW AERIAL GUY ASSEMBLY
	NEW CONDUIT
	EXISTING CONDUIT
	NEW DIRECTIONAL DRILLED CONDUIT
	NEW BORED AND JACKED CONDUIT
	WIRELESS ANTENNA
	NEW ELECTRICAL SERVICE
	EXISTING ELECTRICAL SERVICE
	NEW JUNCTION BOX
	EXISTING JUNCTION BOX
	NEW WOOD POLE
	EXISTING WOOD POLE
	EXISTING SPLICE ENCLOSURE
	PROPOSED SPLICE ENCLOSURE
	NEW METAL POLE
	EXISTING METAL POLE
	NEW CCTV ASSEMBLY
	EXISTING CCTV ASSEMBLY
	NEW DMS ASSEMBLY
	EXISTING DMS ASSEMBLY
	NEW STANDARD GUY ASSEMBLY
	NEW SIDEWALK GUY ASSEMBLY
	NEW CABLE STORAGE RACKS (SNOW SHOES)
	EXISTING CONTROLLER AND CABINET
	EXISTING SPLICE CABINET
	NEW SPLICE CABINET
	SIGNAL POLE
	SIGNAL INVENTORY NUMBER

CONSTRUCTION NOTE SYMBOLLOGY KEY

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

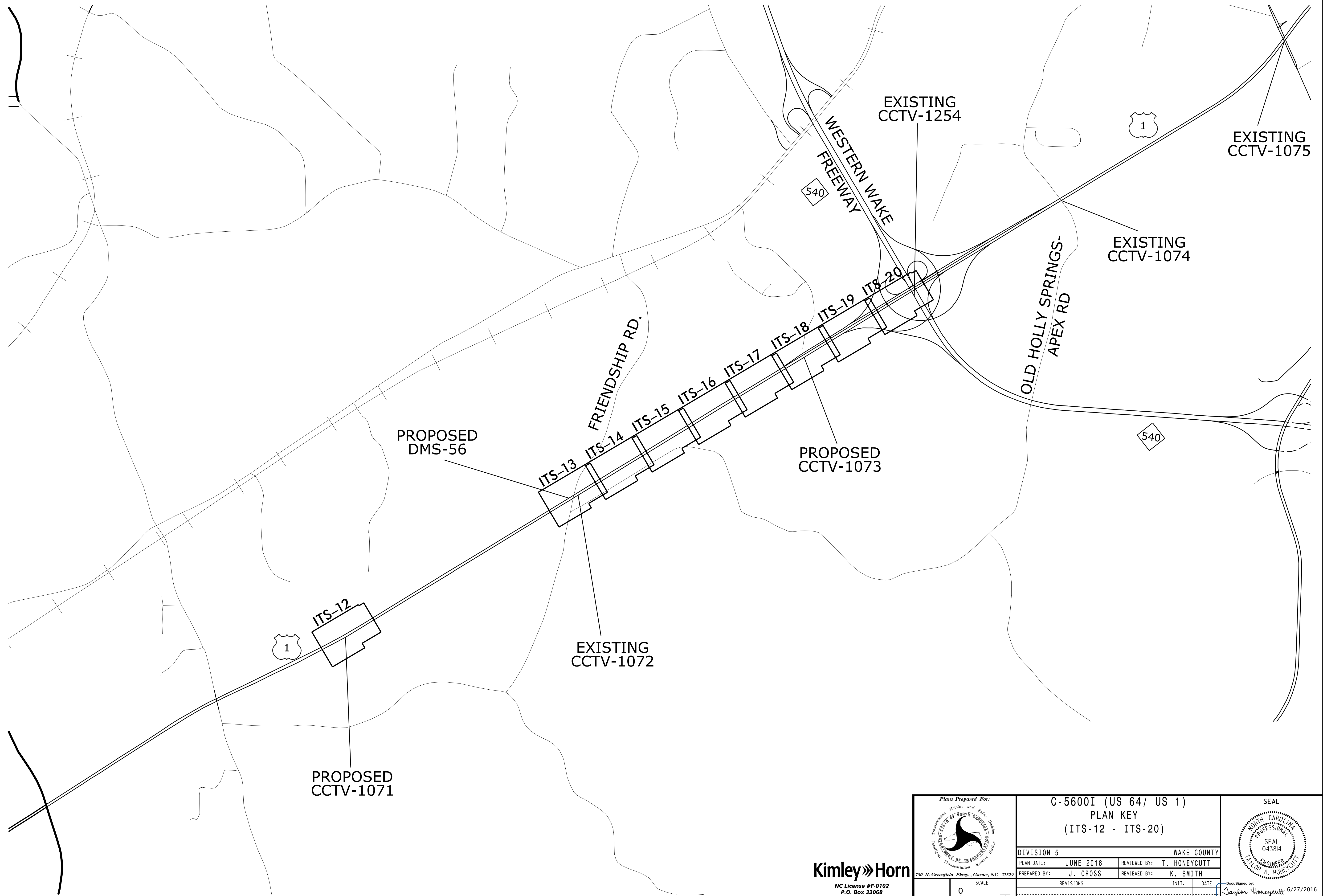


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Plans Prepared For: Transportation, Mobility and Safety Division DEPARTMENT OF TRANSPORTATION Transportation Systems Section	C-5600I (US 64/ US 1) CONSTRUCTION NOTES AND LEGEND	SEAL																														
750 N. Greenfield Pkwy., Garner, NC 27529	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">DIVISION 5</td> <td colspan="2" style="text-align: center;">WAKE COUNTY</td> </tr> <tr> <td style="width: 25%;">PLAN DATE:</td> <td style="width: 25%;">JUNE 2016</td> <td style="width: 25%;">REVIEWED BY:</td> <td style="width: 25%;">T. HONEYCUTT</td> </tr> <tr> <td>PREPARED BY:</td> <td>J. CROSS</td> <td>REVIEWED BY:</td> <td>K. SMITH</td> </tr> </table>		DIVISION 5		WAKE COUNTY		PLAN DATE:	JUNE 2016	REVIEWED BY:	T. HONEYCUTT	PREPARED BY:	J. CROSS	REVIEWED BY:	K. SMITH																		
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- | | |
|----|---|
| 1 | INSTALL 3-WIRE COPPER SERVICE ENTRANCE CONDUCTORS |
| 2 | INSTALL 3-WIRE COPPER FEEDER CONDUCTORS |
| 3 | INSTALL 4-WIRE COPPER FEEDER CONDUCTORS |
| 4 | INSTALL SMFO CABLE |
| 5 | INSTALL MMFO CABLE |
| 6 | INSTALL FIBER OPTIC DROP CABLE |
| 7 | INSTALL TRACER WIRE |
| 8 | TRENCH OR PLOW CONDUIT |
| 9 | DIRECTIONAL DRILL CONDUIT |
| 10 | BORE AND JACK CONDUIT |
| 11 | INSTALL PVC CONDUIT |
| 12 | INSTALL RIGID, GALVANIZED STEEL CONDUIT |
| 13 | INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD |
| 14 | INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL |
| 15 | INSTALL OUTER-DUCT POLYETHYLENE CONDUIT |
| 16 | INSTALL POLYETHYLENE 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 CONDUIT INTO NEW POLE MOUNTED CABINET |
| 27 | INSTALL NEW RISER INTO NEW POLE MOUNTED CABINET |
| 28 | INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS
AND FUSION SPLICE CABLE IN CABINET |
| 29 | INSTALL UNDERGROUND SPLICE ENCLOSURE |
| 30 | INSTALL AERIAL SPLICE ENCLOSURE |
| 31 | INSTALL POLE MOUNTED SPLICE CABINET |
| 32 | INSTALL BASE MOUNTED SPLICE CABINET |
| 33 | MODIFY EXISTING SPLICE ENCLOSURE OR INTERCONNECT CENTER |

- | | |
|----|--|
| 34 | INSTALL CABINET FOUNDATION |
| 35 | REMOVE EXISTING CABINET FOUNDATION |
| 36 | INSTALL CCTV CAMERA ASSEMBLY |
| 37 | INSTALL CCTV CAMERA WOOD POLE |
| 38 | INSTALL CCTV CAMERA METAL POLE AND FOUNDATION |
| 39 | INSTALL JUNCTION BOX |
| 40 | INSTALL OVERSIZED JUNCTION BOX |
| 41 | REMOVE EXISTING JUNCTION BOX |
| 42 | INSTALL WOOD POLE |
| 43 | INSTALL 6"X6" WOOD PEDESTAL |
| 44 | INSTALL AERIAL GUY ASSEMBLY |
| 45 | INSTALL STANDARD GUY ASSEMBLY |
| 46 | INSTALL SIDEWALK GUY ASSEMBLY |
| 47 | INSTALL MESSENGER CABLE |
| 48 | REMOVE EXISTING COMMUNICATIONS AND MESSENGER CABLE |
| 49 | REMOVE EXISTING MESSENGER CABLE |
| 50 | INSTALL TELEPHONE SERVICE |
| 51 | INSTALL CABLE STORAGE RACKS (SNOW SHOES) AND STORE 100 FEET OF CABLE |
| 52 | INSTALL DELINEATOR MARKER |
| 53 | STORE 30 FEET OF COMMUNICATIONS CABLE |
| 54 | LASH CABLE(S) TO EXISTING SIGNAL/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 POLE MOUNTED EQUIPMENT CABINET |
| 60 | INSTALL NEW EQUIPMENT CABINET DISCONNECT |
| 61 | INSTALL DMS ASSEMBLY |
| 62 | INSTALL DMS PEDESTAL AND FOUNDATION |
| 63 | INSTALL SOLAR POWER ASSEMBLY |
| 64 | INSTALL VIDEO OPTICAL TRANSCEIVER |
| 65 | MODIFY EXISTING WIRELESS RADIO |
| 66 | INSTALL NEW ETHERNET SWITCH |
| 67 | INSTALL WIRELESS RADIO AND ANTENNA |



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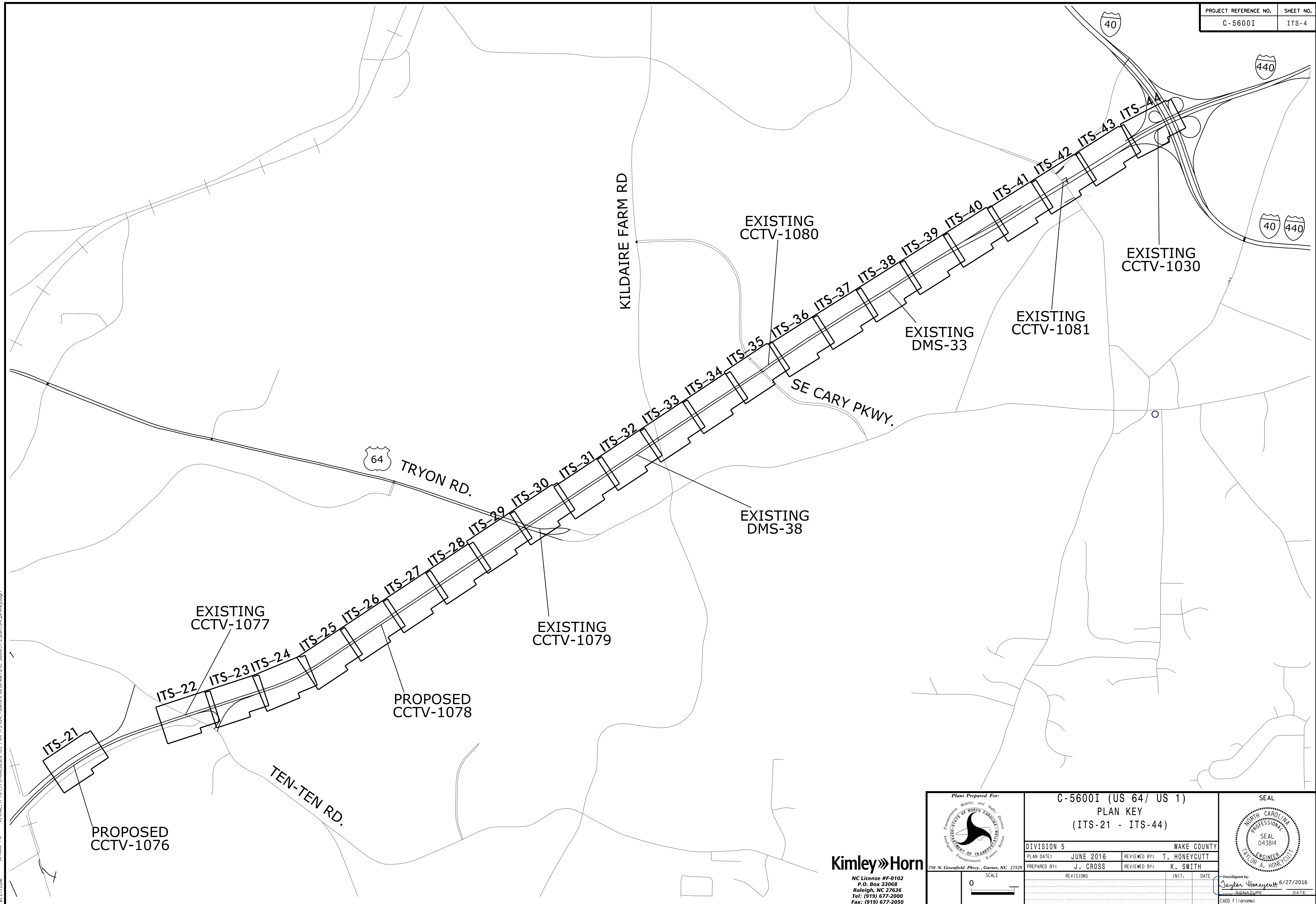


C-5600I (US 64/ US 1) PLAN KEY (ITS-12 - ITS-20)			
DIVISION 5		WAKE COUNTY	
PLAN DATE:	JUNE 2016	REVIEWED BY:	T. HONEYCUTT
PREPARED BY:	J. CROSS	REVIEWED BY:	K. SMITH
REVISIONS	INIT.	DATE	

SEAL

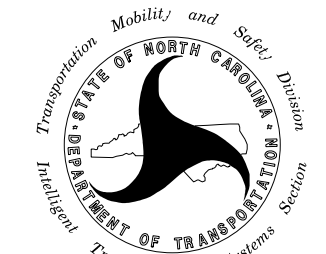
DocuSigned by:
Taylor A. Honeycutt
6/27/2016

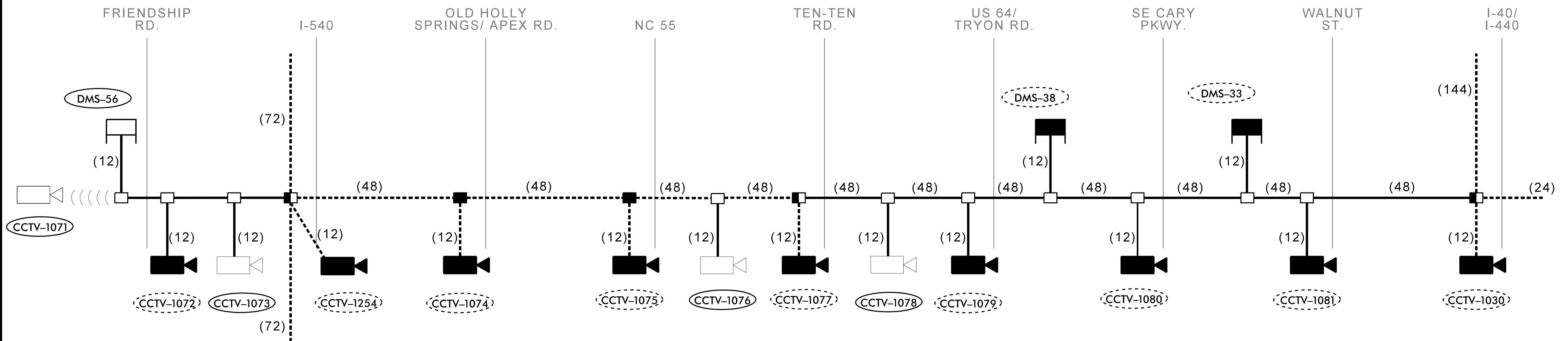
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 Plans Prepared For: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION 750 N. Greenfield Pkwy., Garner, NC 27529	C-5600I (US 64/ US 1)		SEAL	
	PLAN KEY		NORTH CAROLINA PROFESSIONAL SEAL 043814 TAYLOR A. HONEYCUTT ENGINEER	
	(ITS-21 - ITS-44)			
	DIVISION 5		WAKE COUNTY	
	PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT		
PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH			
REVISIONS	INIT.	DATE	DocuSigned by: Taylor Honeycutt 6/27/2016 CADD File name:	



X

SPLICE ID

XXXX

EXISTING DEVICE ID NUMBER

XXXX

PROPOSED DEVICE ID NUMBER

(XX)

XX-FIBER SMFO CABLE

PROPOSED FIBER OPTIC CABLE

EXISTING FIBER OPTIC CABLE

((((

WIRELESS COMMUNICATION

PROPOSED SPLICE ENCLOSURE

EXISTING SPLICE ENCLOSURE

MODIFY EXISTING SPLICE ENCLOSURE

PROPOSED CCTV

EXISTING CCTV

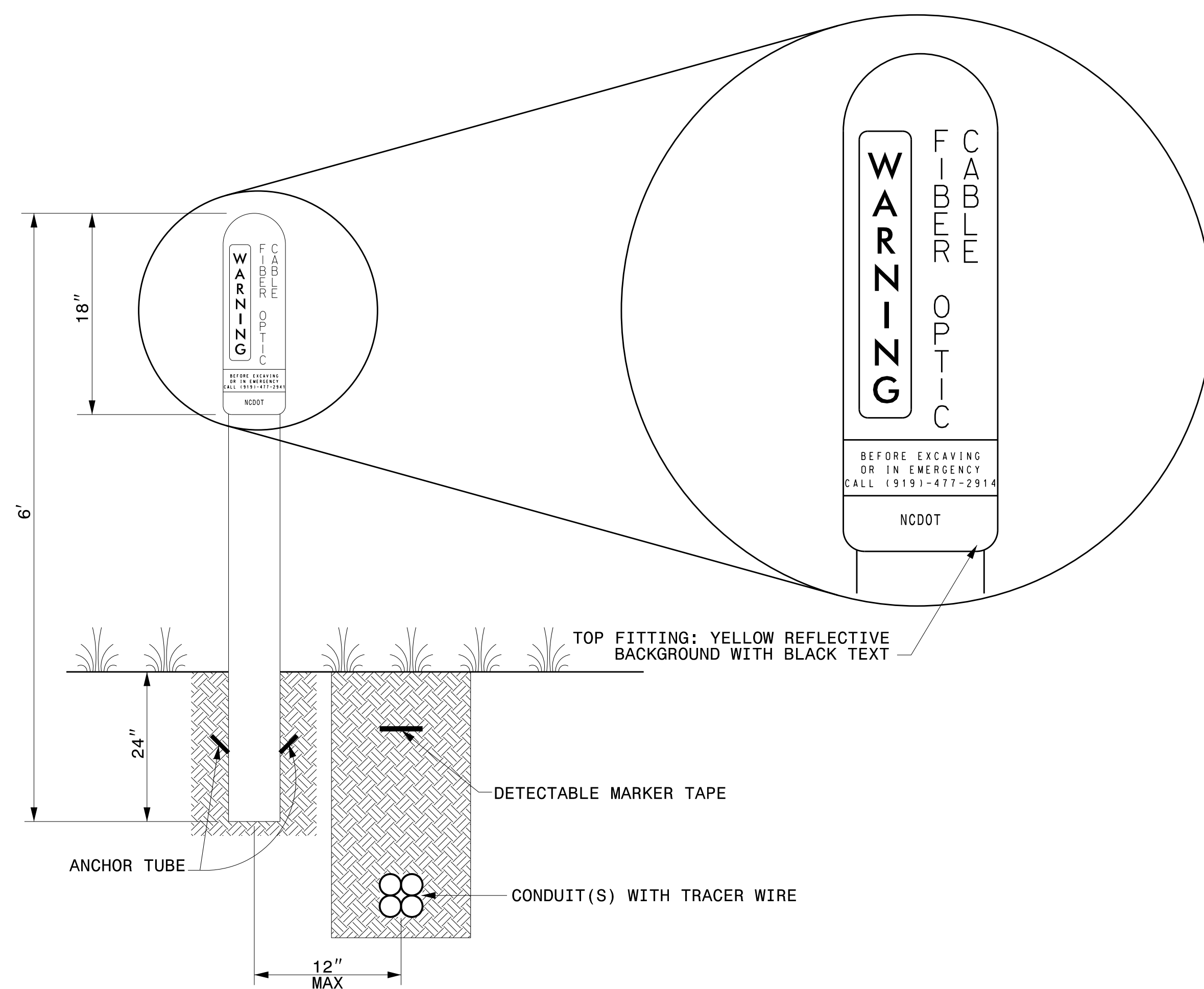
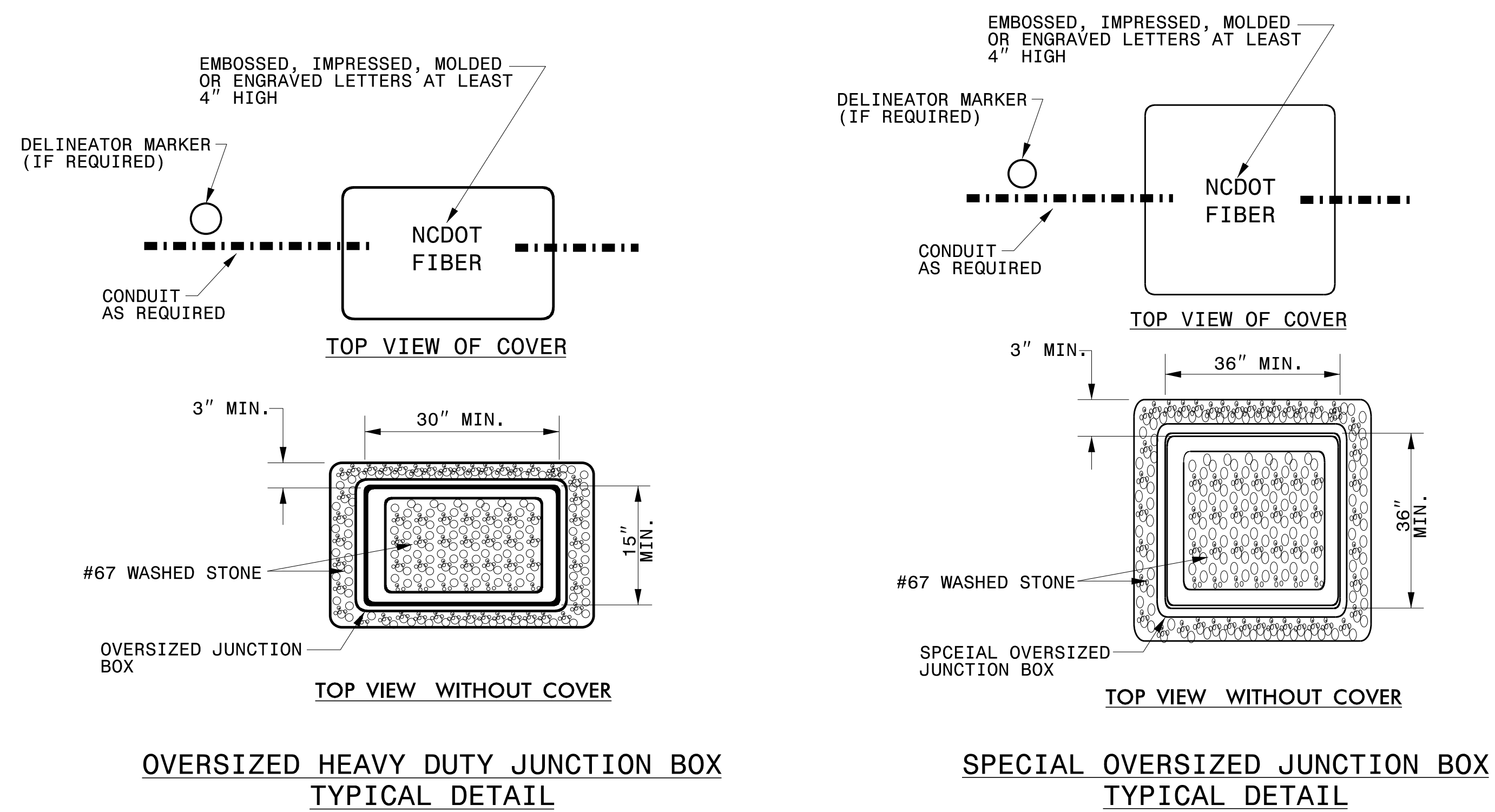
PROPOSED DMS

EXISTING DMS

LEGEND

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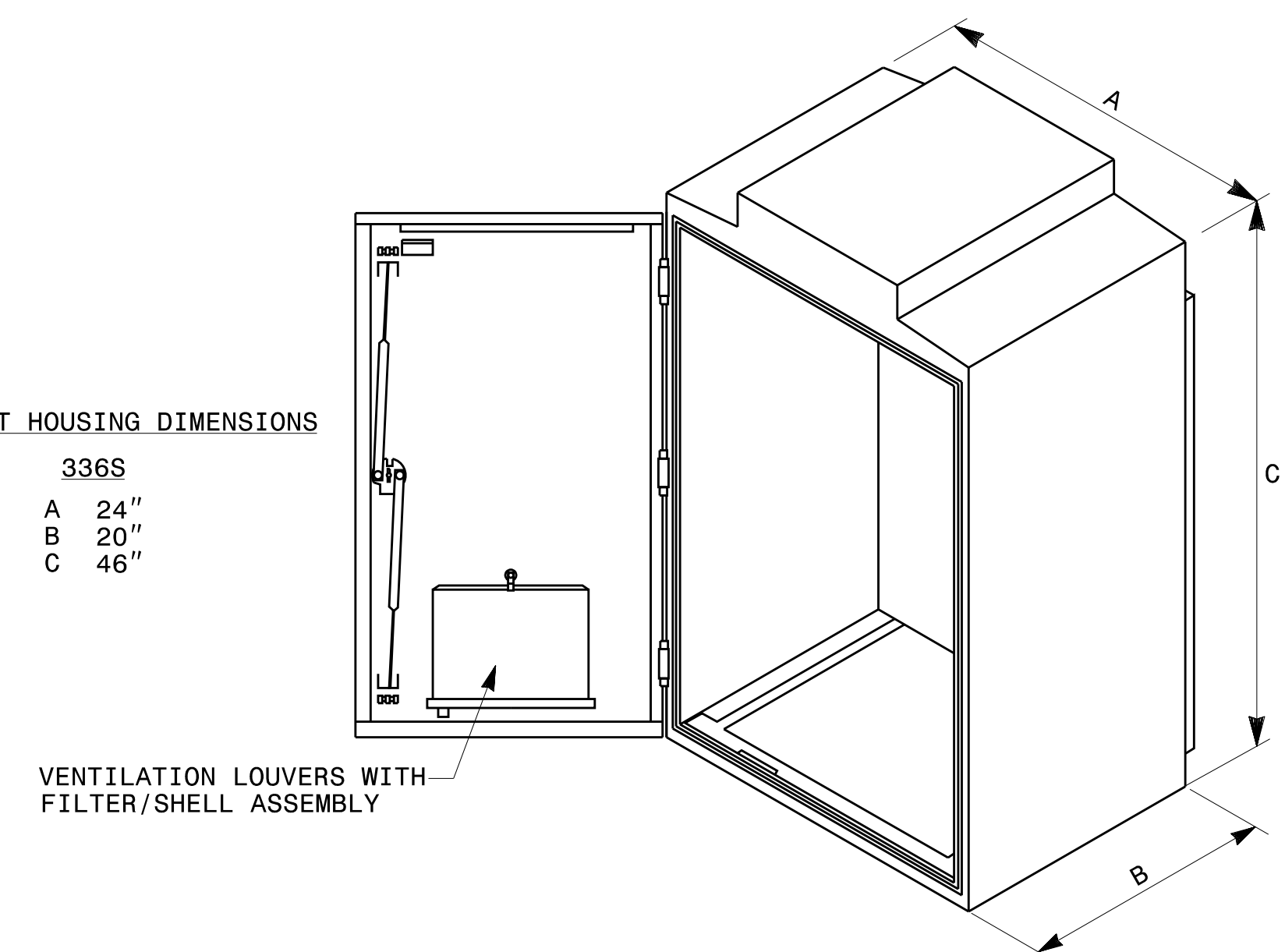
	C-5600I (US 64/ US 1)		SEAL	
	SYSTEM BLOCK DIAGRAM		NORTH CAROLINA PROFESSIONAL SEAL 043814 TAYLOR A. HONEYCUTT ENGINEER	
	DIVISION 5 WAKE COUNTY		DocuSigned by: 6/27/2016	
	PLAN DATE: JUNE 2016 PREPARED BY: J. CROSS REVIEWED BY: T. HONEYCUTT REVIEWED BY: K. SMITH		INIT. DATE	
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PVC POST-MOUNTED DELINEATOR MARKER

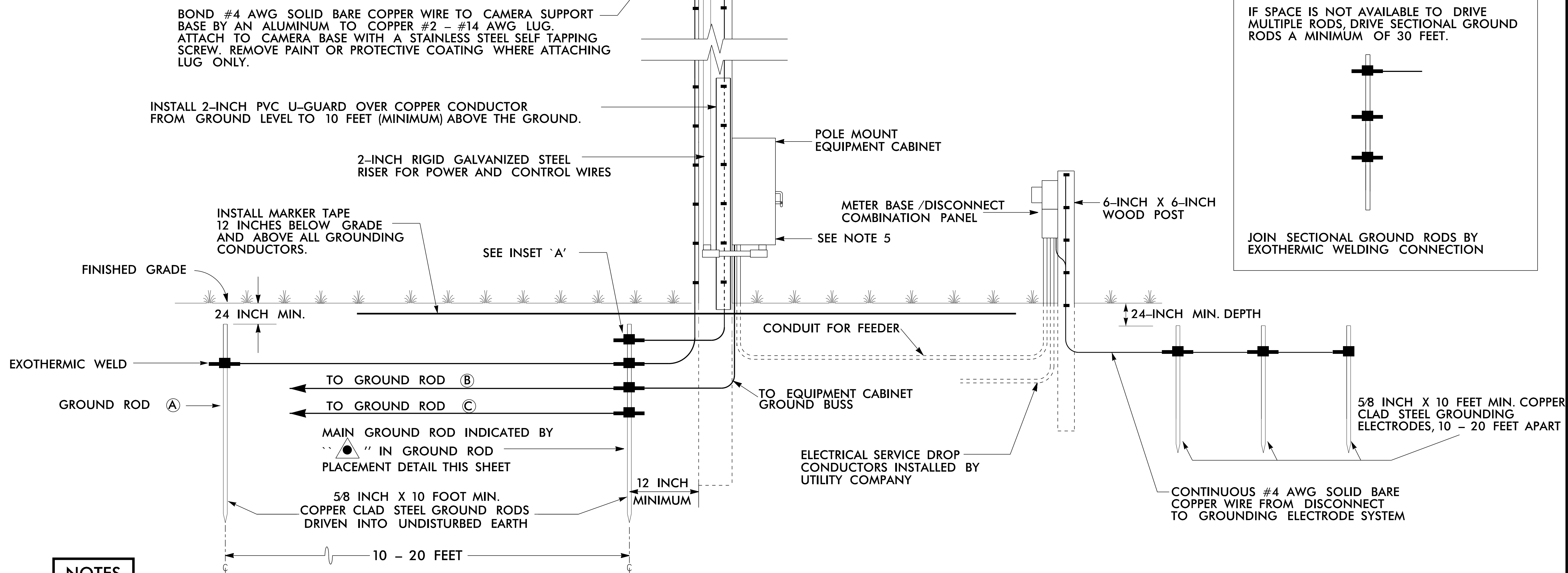
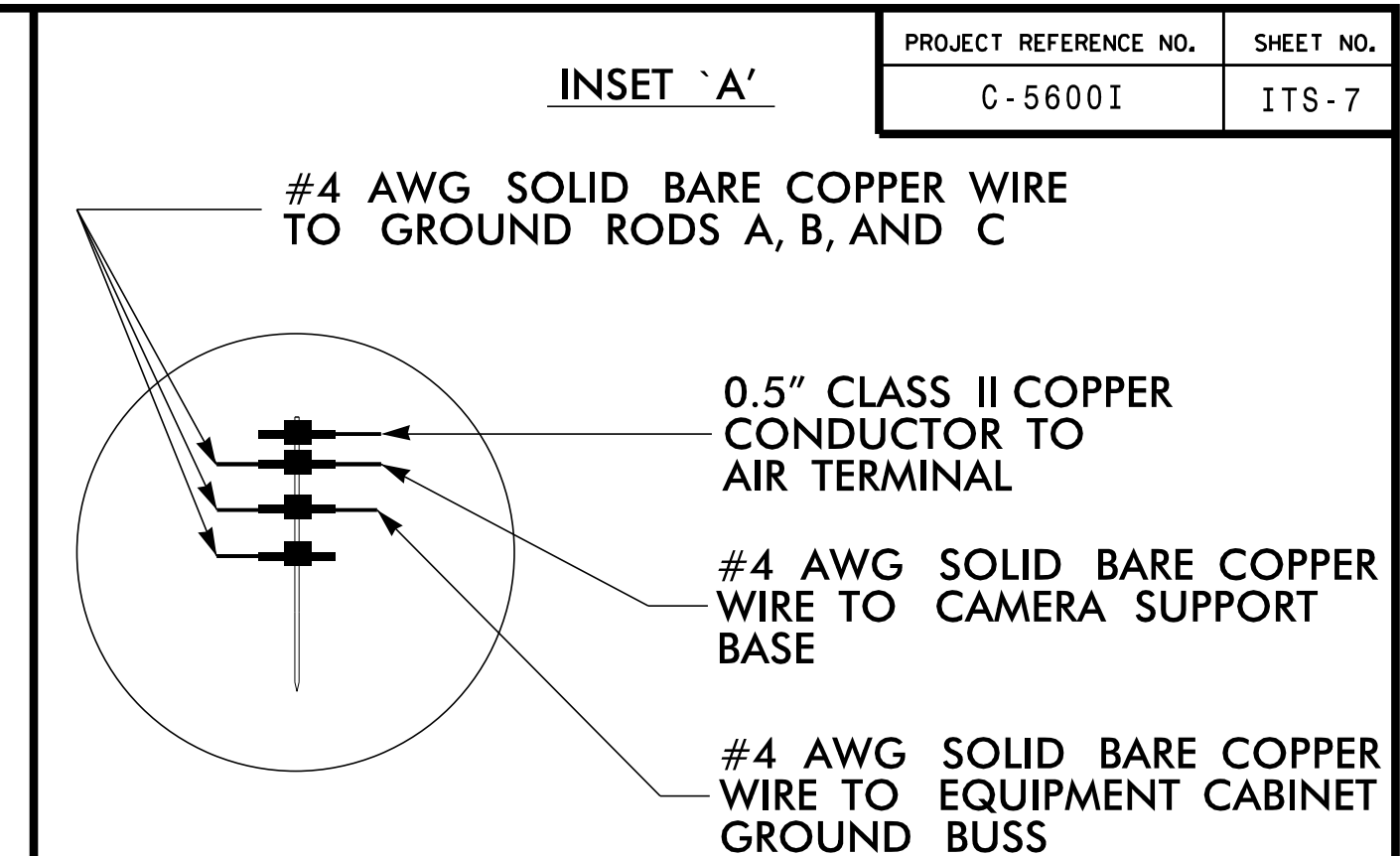
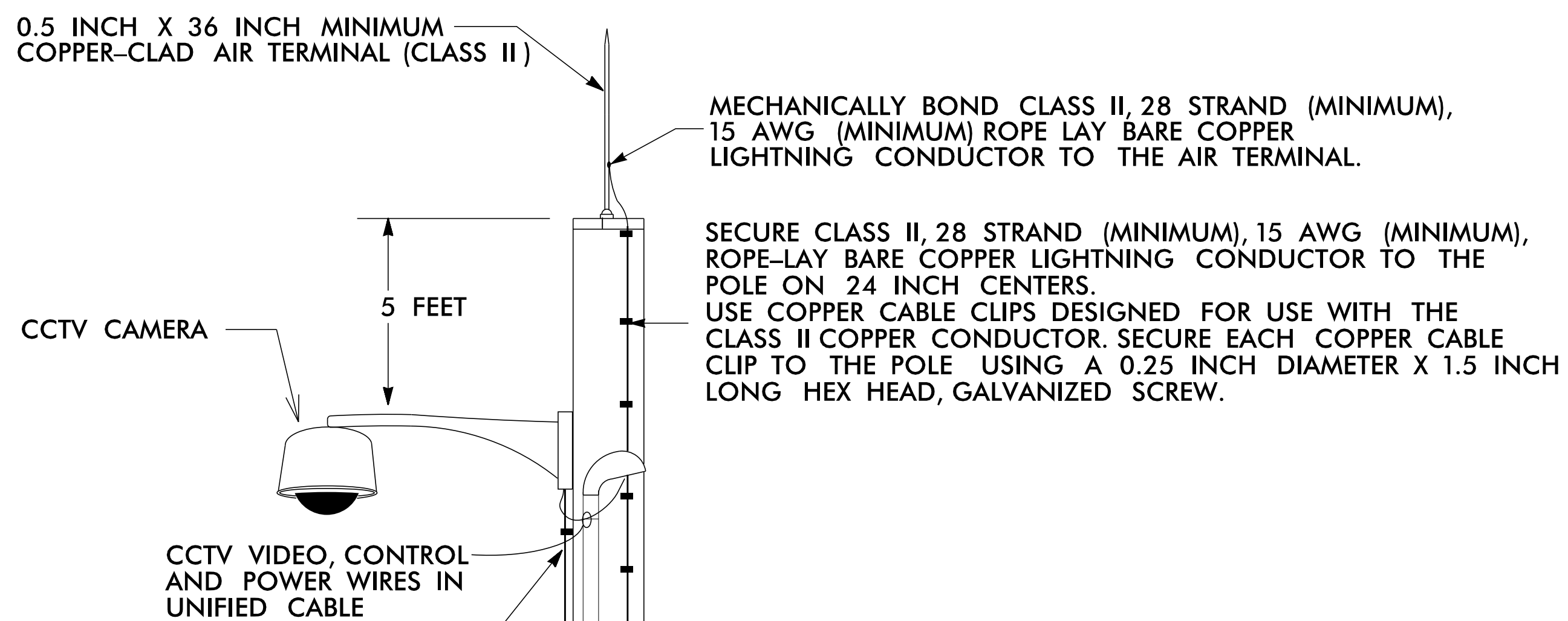
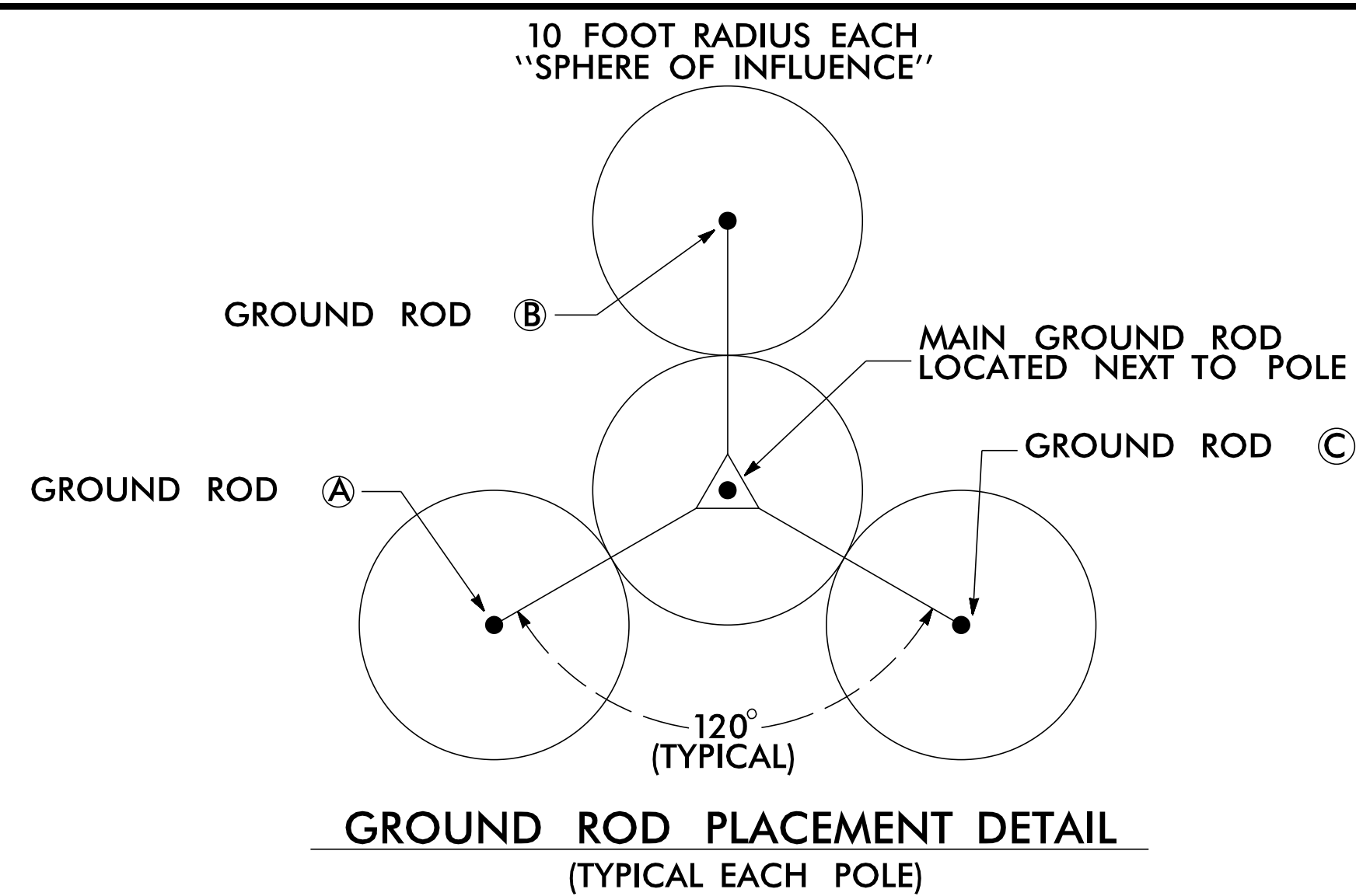
NOTE:
BACKFILL WITH EXCAVATED MATERIAL AND COMPACT
THE SOIL TO 95% OF ITS ORIGINAL DENSITY. REMOVE
ROCK AND DEBRIS FROM BACKFILL MATERIAL.

CABINET HOUSING DIMENSIONS			
332		336S	
A	24"	A	24"
B	30"	B	20"
C	64"	C	46"



EQUIPMENT CABINET SIZES

Plans Prepared For:  750 N. Greenfield Pkwy., Garner, NC 27529	C-5600I (US 64/ US 1) TYPICAL DETAILS	SEAL 																								
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DocuSigned by:  6/27/2016 Taylor Honeycutt PROFESSIONAL ENGINEER STATE OF NORTH CAROLINA License No. 043814 DATE																										
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NOTES

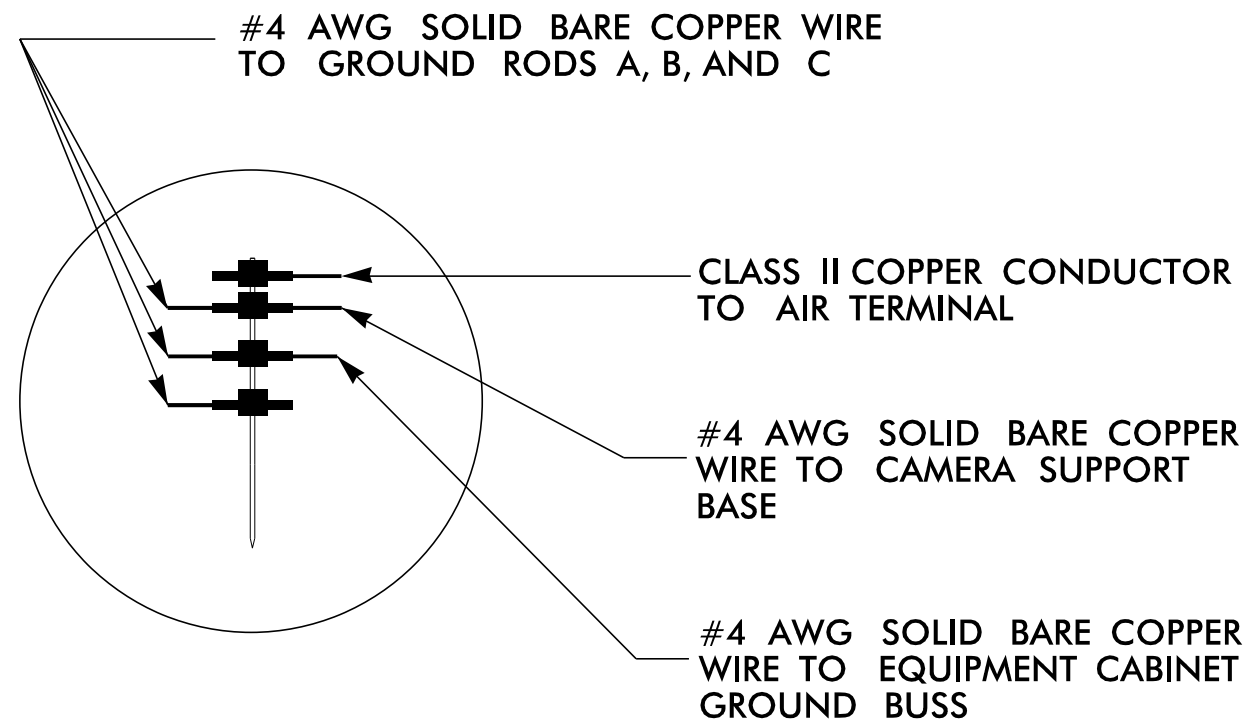
1. BOND CLASS II, 28 STRAND (MINIMUM), 15 AWG (MINIMUM) ROPE-LAY BARE COPPER CONDUCTOR TO THE MAIN GROUND ROD BY AN EXOTHERMIC WELD METHOD.
MAINTAIN MAXIMUM HORIZONTAL SEPARATION BETWEEN COPPER CONDUCTOR AND RISER.
2. EXOTHERMICALLY WELD ALL CONNECTIONS TO GROUND RODS.
3. THE CONTRACTOR MAY, UPON APPROVAL OF THE ENGINEER, INSTALL A 30-FOOT SECTIONAL GROUND ROD FOR INSTANCES WHEN CONDITIONS WILL NOT ALLOW FOR THE INSTALLATION OF THE 3 - RADIAL GROUND RODS.
4. INSTALL MARKER TAPE DIRECTLY ABOVE ALL GROUNDING ELECTRODES AND CONDUCTORS AT A DEPTH OF 12 INCHES.
5. REMOVE BONDING JUMPER BETWEEN EQUIPMENT CABINET GROUND BUSS AND NEUTRAL BUSS.

Kimley»»Horn

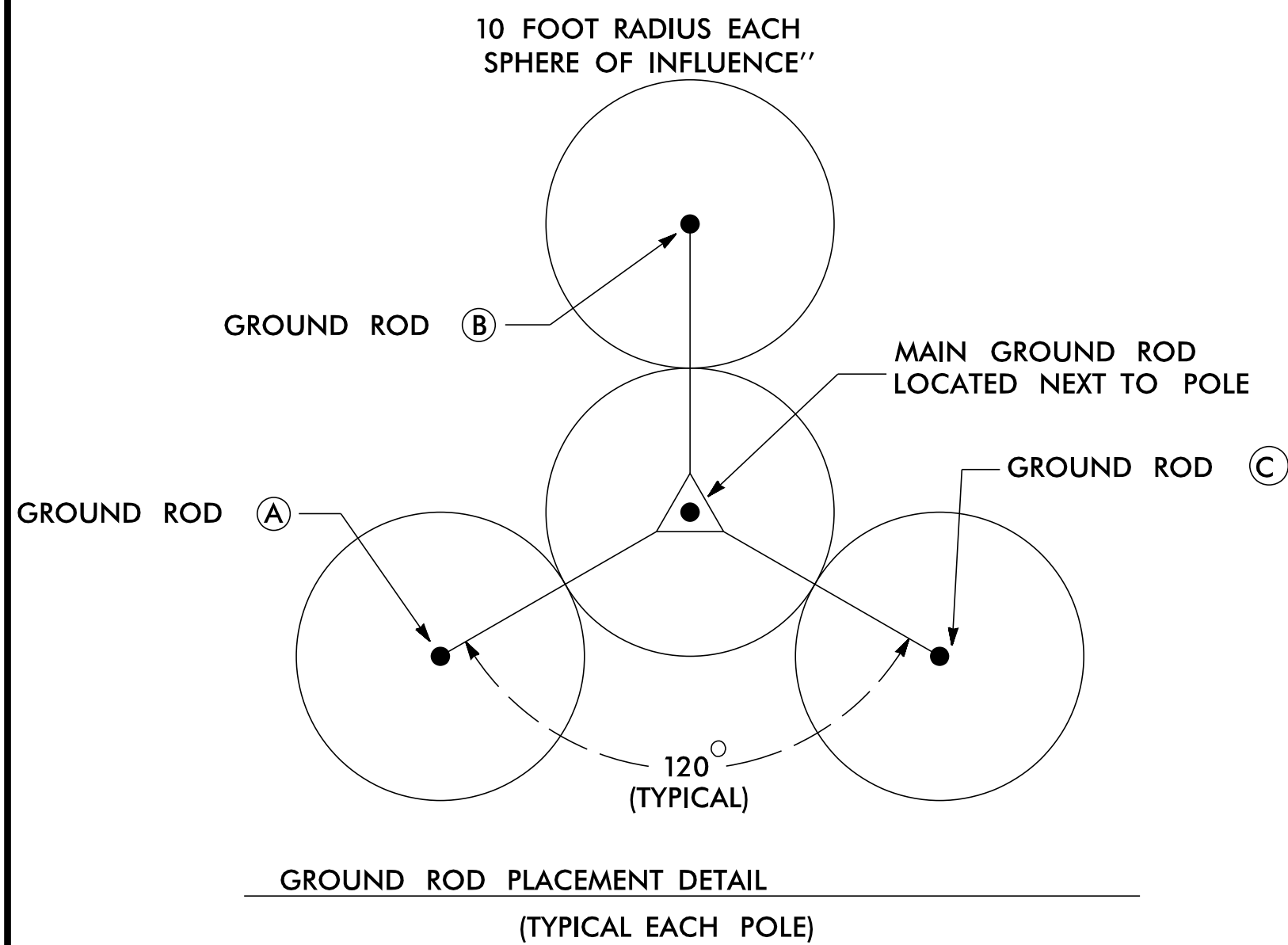
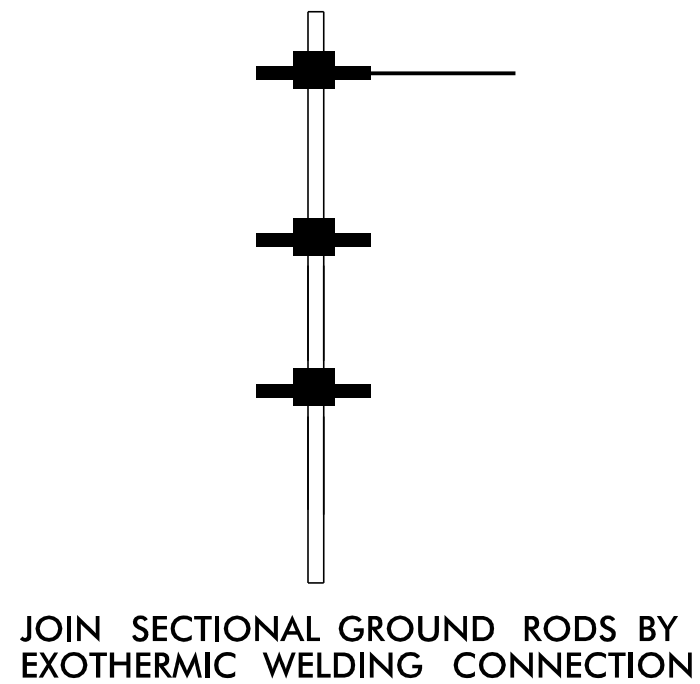
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Fax: (919) 677-2050**

Plans Prepared For: Transportation Mobility and Safety Division DEPARTMENT OF TRANSPORTATION Planning & Safety	C-5600I (US 64 / US 1) CCTV CAMERA INSTALLATION FOR WOOD POLES WITH UNDERGROUND ELECTRICAL SERVICE	SEAL NORTH CAROLINA PROFESSIONAL SEAL 043814 ENGINEER TAYLOR A. HONEYCUTT																																	
750 N. Greenfield Pkwy., Garner, NC 27529																																			
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Drawn by: <u><i>Taylor Honeycutt</i></u> 6/27/2016 Project Engineer DATE CADD Filename: _____																																			

INSET 'A'



ALTERNATE GROUNDING METHOD
IF SPACE IS NOT AVAILABLE TO DRIVE MULTIPLE RODS, DRIVE SECTIONAL GROUND RODS A MINIMUM OF 30 FEET.

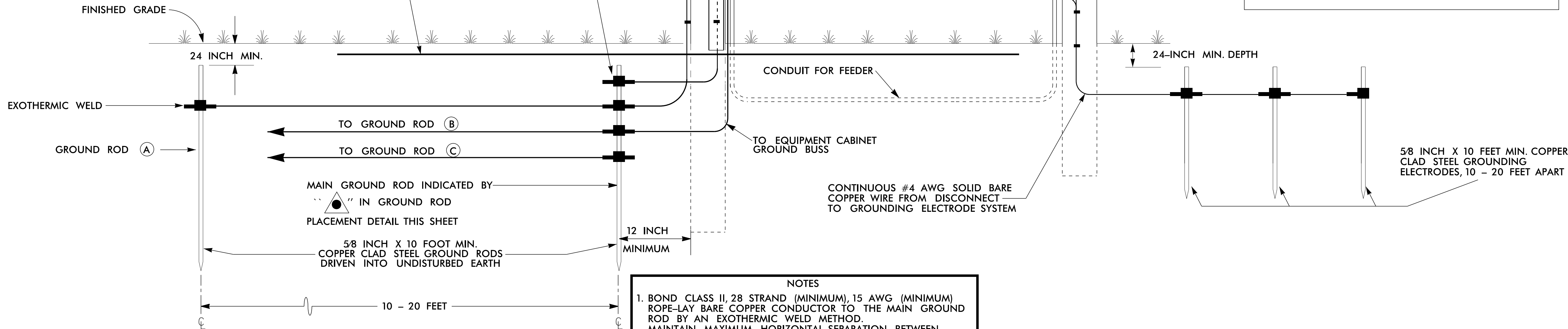


BOND #4 AWG SOLID BARE COPPER WIRE TO CAMERA SUPPORT BASE BY AN ALUMINUM TO COPPER #2 - #14 AWG LUG. ATTACH TO CAMERA BASE WITH A STAINLESS STEEL SELF TAPPING SCREW. REMOVE PAINT OR PROTECTIVE COATING WHERE ATTACHING LUG ONLY.

INSTALL 2-INCH PVC U-GUARD OVER COPPER CONDUCTOR FROM GROUND LEVEL TO 10 FEET (MINIMUM) ABOVE THE GROUND.

2-INCH RIGID GALVANIZED STEEL RISER FOR POWER AND CONTROL WIRES

INSTALL MARKER TAPE 12 INCHES BELOW GRADE AND ABOVE ALL GROUNDING CONDUCTORS.

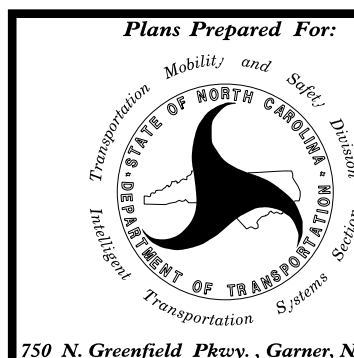


NOTES

1. BOND CLASS II, 28 STRAND (MINIMUM), 15 AWG (MINIMUM) ROPE-LAY BARE COPPER CONDUCTOR TO THE MAIN GROUND ROD BY AN EXOTHERMIC WELD METHOD. MAINTAIN MAXIMUM HORIZONTAL SEPARATION BETWEEN COPPER CONDUCTOR AND RISER.
2. EXOTHERMICALLY WELD ALL CONNECTIONS TO GROUND RODS.
3. THE CONTRACTOR MAY, UPON APPROVAL OF THE ENGINEER, INSTALL A 30-FOOT SECTIONAL GROUND ROD FOR INSTANCES WHEN CONDITIONS WILL NOT ALLOW FOR THE INSTALLATION OF THE 3 - RADIAL GROUND RODS.
4. INSTALL MARKER TAPE DIRECTLY ABOVE ALL GROUNDING ELECTRODES AND CONDUCTORS AT A DEPTH OF 12 INCHES.
5. REMOVE BONDING JUMPER BETWEEN EQUIPMENT CABINET GROUND BUSS AND NEUTRAL BUSS.

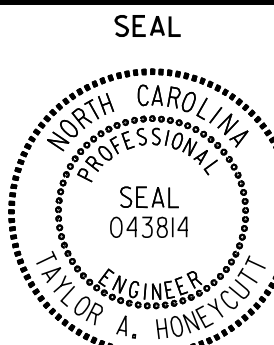
Kimley»Horn

NC License #F-0102
P.O. Box 33068
Raleigh, NC 27636
Tel: (919) 677-2000
Fax: (919) 677-2050

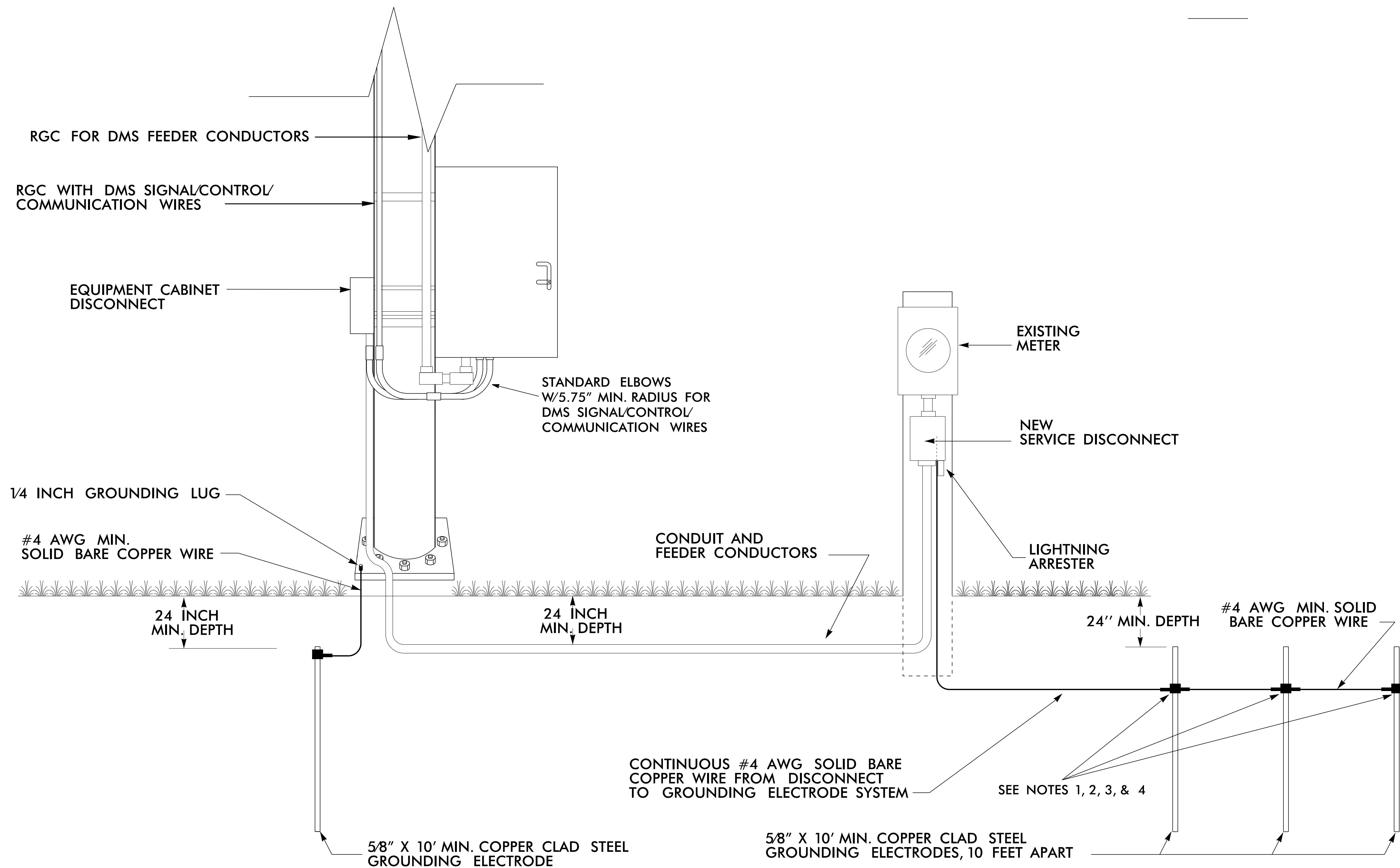


C-5600I (US 64/ US 1)
CCTV CAMERA INSTALLATION
FOR WOOD POLES WITH
AERIAL ELECTRICAL SERVICE

DIVISION 5		WAKE COUNTY	
PLAN DATE:	JUNE 2016	REVIEWED BY:	T. HONEYCUTT
PREPARED BY:	J. CROSS	REVIEWED BY:	K. SMITH
REVISIONS		INIT.	DATE



Designed by: *Taylor Honeycutt* 6/27/2016
DATE
CADD Filename:

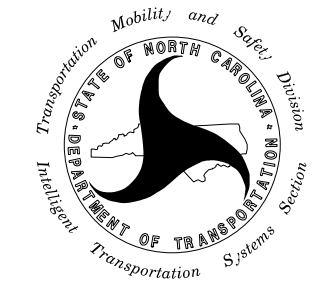
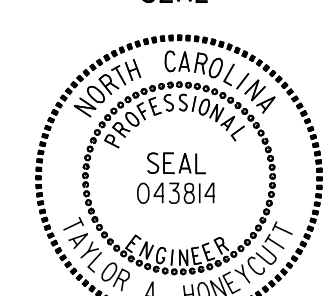


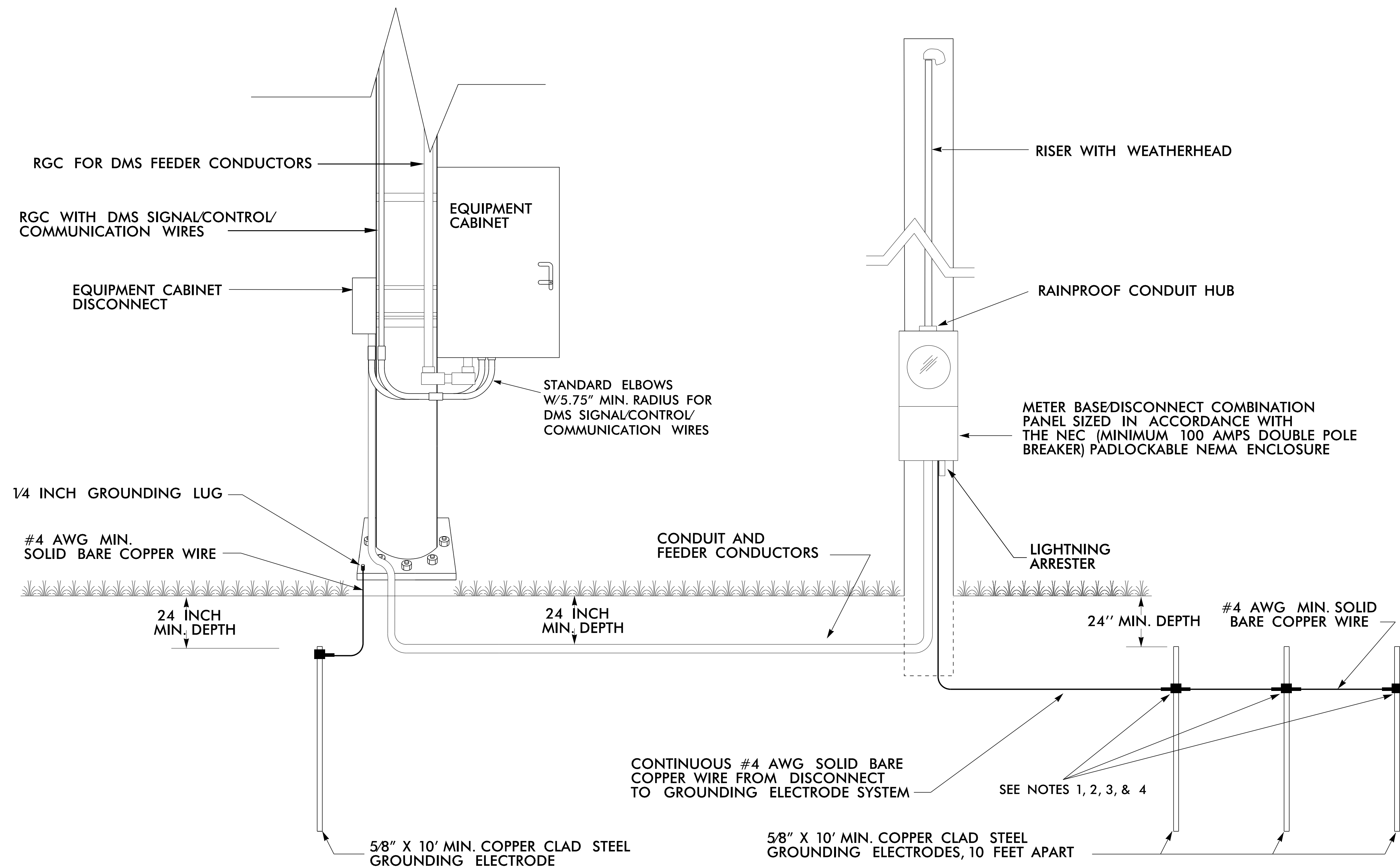
NOTES

1. INSTALL A MINIMUM OF THREE (3) GROUNDING ELECTRODES SPACED A MINIMUM OF 10 FEET APART. ENSURE THAT EXISTING UNDERGROUND FACILITIES ARE NOT DAMAGED DURING INSTALLATION.
2. TEST GROUNDING SYSTEM USING AN APPROVED METHOD. SYSTEM SHOULD MEASURE TWENTY (20) OHMS OR LESS. ADDITIONAL GROUNDING ELECTRODES SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER TO MEET THIS REQUIREMENT.
3. EXOTHERMICALLY WELD ALL CONNECTIONS TO GROUND RODS.
4. INSTALL MARKER TAPE DIRECTLY ABOVE ALL GROUNDING ELECTRODES AND CONDUCTORS AT A DEPTH OF 12 INCHES.
5. REMOVE BONDING JUMPER IN EQUIPMENT CABINET IF INSTALLED BETWEEN AC NEUTRAL AND EQUIPMENT GROUND.
6. BOND ALL RIGID GALVANIZED STEEL CONDUITS ENTERING THE CABINET TO "EQUIPMENT GROUND".
7. INSTALL CONDUIT BETWEEN DISCONNECT AND CABINET.
8. ENSURE EQUIPMENT GROUND IS ELECTRICALLY BONDED TO CABINET.

Kimley»Horn

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 750 N. Greenfield Place, Garner, NC 27529	C-5600I (US 64/ US 1)		SEAL  TAYLOR A. HONEYCUTT
	DYNAMIC MESSAGE SIGN WITH UNDERGROUND ELECTRICAL SERVICE		
DIVISION 5		WAKE COUNTY	
PLAN DATE: JUNE 2016		REVIEWED BY: T. HONEYCUTT	
PREPARED BY: J. CROSS		REVIEWED BY: K. SMITH	
REVISIONS		INIT. DATE	
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SCALE		DocuSigned by: Saylor Honeycutt 6/27/2016	
		DATE	
		CADD Filename:	



NOTES

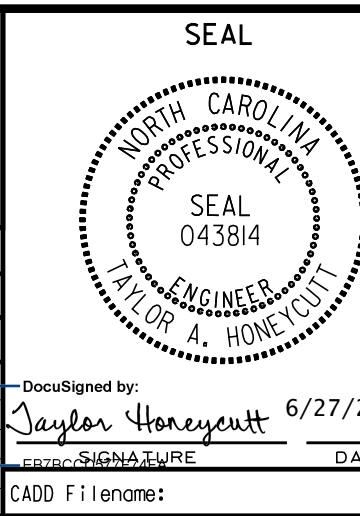
1. INSTALL A MINIMUM OF THREE (3) GROUNDING ELECTRODES SPACED A MINIMUM OF 10 FEET APART. ENSURE THAT EXISTING UNDERGROUND FACILITIES ARE NOT DAMAGED DURING INSTALLATION.
2. TEST GROUNDING SYSTEM USING AN APPROVED METHOD. SYSTEM SHOULD MEASURE TWENTY (20) OHMS OR LESS. ADDITIONAL GROUNDING ELECTRODES SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER TO MEET THIS REQUIREMENT.
3. EXOTHERMICALLY WELD ALL CONNECTIONS TO GROUND RODS.
4. INSTALL MARKER TAPE DIRECTLY ABOVE ALL GROUNDING ELECTRODES AND CONDUCTORS AT A DEPTH OF 12 INCHES.
5. REMOVE BONDING JUMPER IN EQUIPMENT CABINET IF INSTALLED BETWEEN AC NEUTRAL AND EQUIPMENT GROUND.
6. BOND ALL RIGID GALVANIZED STEEL CONDUITS ENTERING THE CABINET TO "EQUIPMENT GROUND".
7. INSTALL CONDUIT BETWEEN DISCONNECT AND CABINET.
8. ENSURE EQUIPMENT GROUND IS ELECTRICALLY BONDED TO CABINET.

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C-5600I (US 64/ US 1)	
DYNAMIC MESSAGE SIGN WITH AERIAL ELECTRICAL SERVICE	
DIVISION 5 WAKE COUNTY	
PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT
PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH
REVISIONS	INIT. DATE



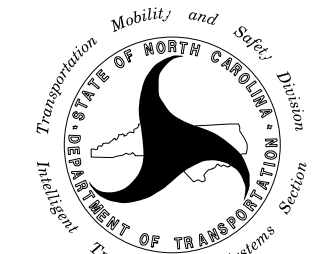
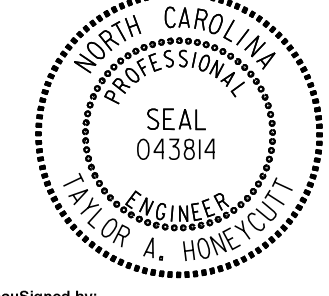
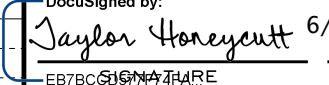
DocuSigned by:
Taylor Honeycutt
6/27/2016
CADD Filename:

NOT IN USE

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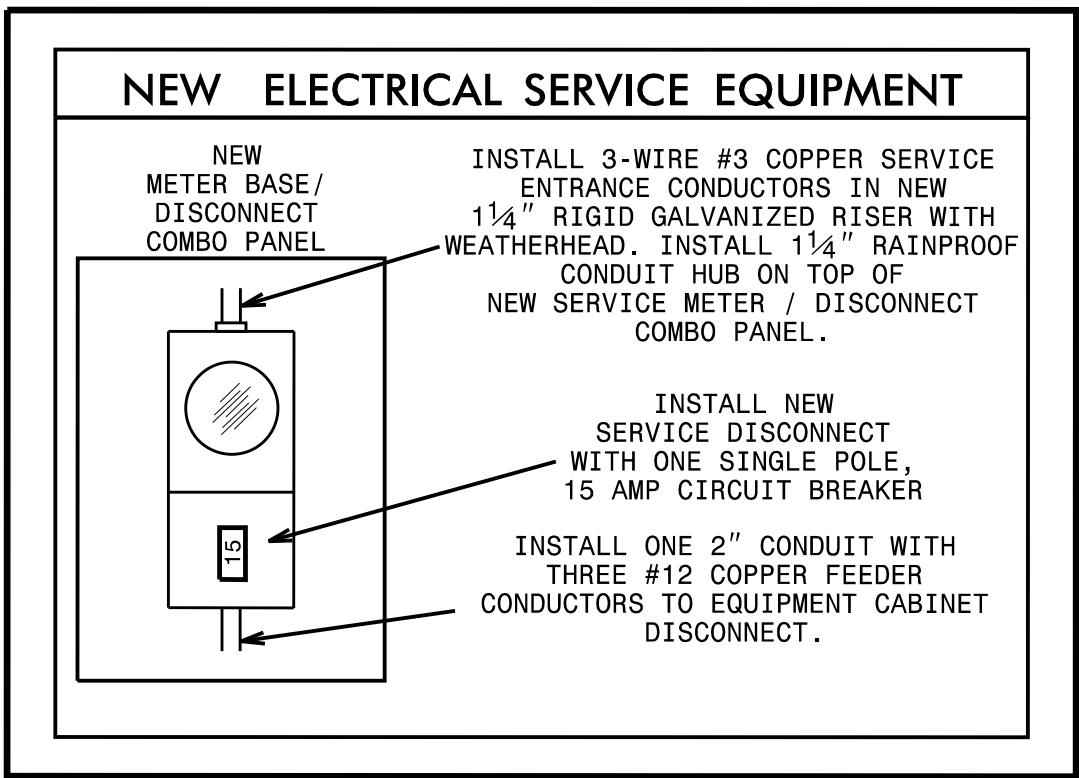
Kimley»Horn

NC License #F-0102
P.O. Box 33068
Raleigh, NC 27636
Tel: (919) 677-2000
Fax: (919) 677-2050

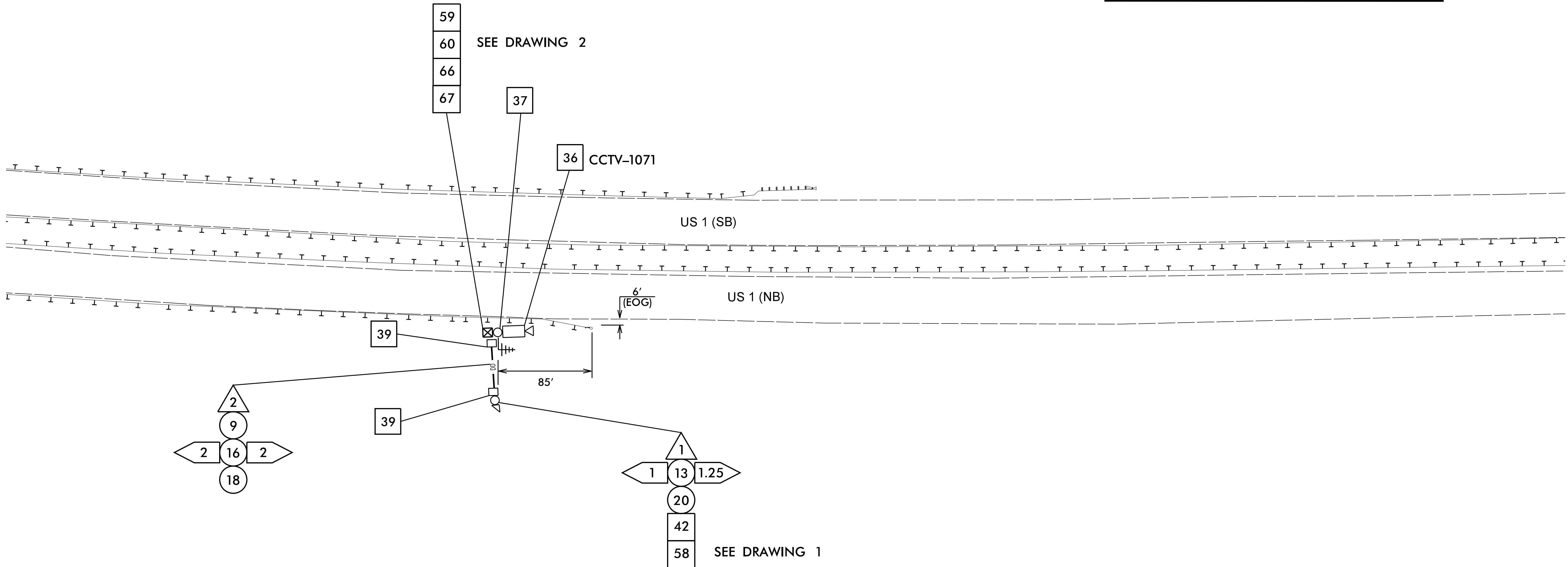
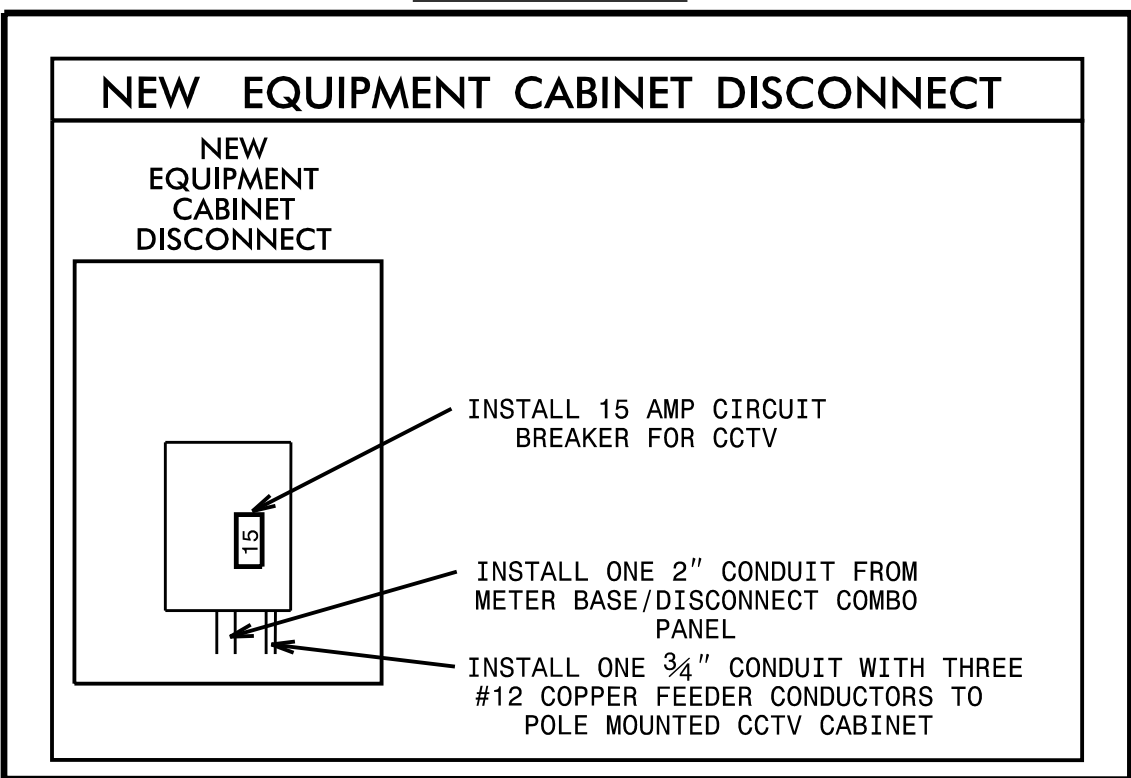
Plans Prepared For:  750 N. Greenfield Place, Garner, NC 27529	C-5600I (US 64/ US 1)		SEAL	
	BLANK SHEET			
	DIVISION 5 WAKE COUNTY			
	PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT		
PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH			
REVISIONS	INIT.	DATE	DocuSigned by:  6/27/2016	
SCALE 0		CADD Filename:		

CCTV-1071
GPS COORDINATES
35.730457, -78.804970

DRAWING 1



DRAWING 2

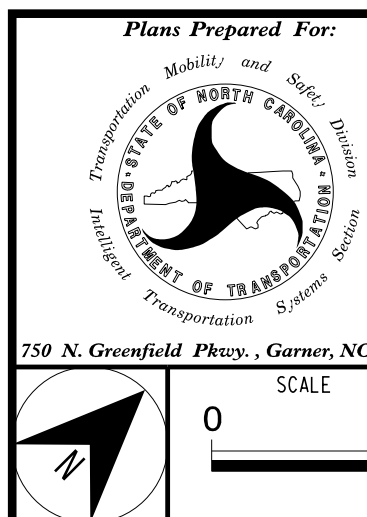


NOTES:

1. MOUNT CCTV CAMERA 45' ABOVE GRADE. INSTALL NEW POLE MOUNTED EQUIPMENT CABINET ON NEW CCTV POLE.
2. CONTACT JOSH TERRY WITH DUKE ENERGY AT (919)-452-5215 TO OBTAIN POWER TO ELECTRICAL SERVICE
3. CONTACT STEVE WARDLE WITH NCDOT AT (919)-825-2634 TO CONFIRM LOCATION OF NEW DEVICE
4. ELECTRICAL SERVICE DETAILS AND CONSTRUCTION METHODS DEPICT FIELD CONDITIONS AT THE TIME OF DESIGN. CONTRACTOR TO VERIFY ACTUAL CONDITIONS AT THE TIME OF CONSTRUCTION AND OBTAIN APPROVAL FROM ENGINEER PRIOR TO MAKING ANY CHANGES.
5. INSTALL NEW GROUNDING SYSTEM AS SHOWN ON SHEET ITS-8 AND AS DESCRIBED IN THE PROJECT SPECIAL PROVISIONS.
6. INSTALL CONDUITS FOR FEEDER CONDUCTORS AND FIBER OPTIC CABLE IN SAME BORE AND TRENCH. USE SEPARATE CONDUITS AND SEPARATE JUNCTION BOXES FOR POWER AND COMMUNICATIONS.
7. MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED ON THE PLANS.
8. NEW ELECTRICAL BREAKER WILL BE LABELED WITH MAXIMUM AVAILABLE FAULT CURRENT. INFORMATION WILL BE OBTAINED FROM UTILITY BY NCDOT.

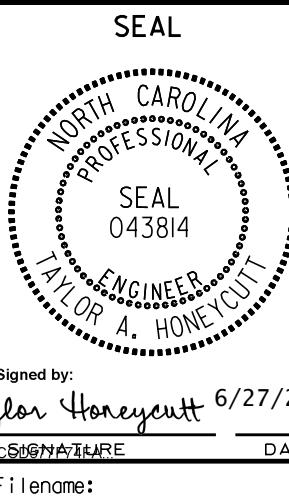
Kimley»Horn

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P.O. Box 33068
Raleigh, NC 27636
Tel: (919) 677-2000
Fax: (919) 677-2050



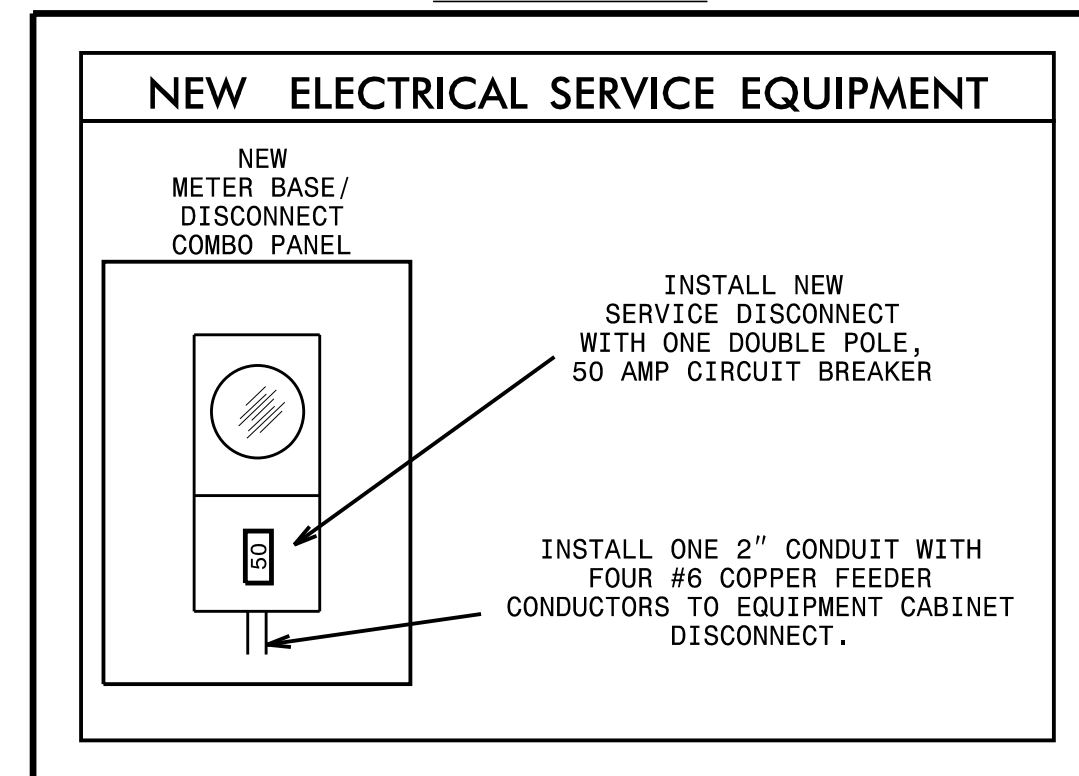
C-5600I (US 64/ US 1)
CABLE ROUTING

DIVISION 5		WAKE COUNTY	
PLAN DATE:	JUNE 2016	REVIEWED BY:	T. HONEYCUTT
PREPARED BY:	J. CROSS	REVIEWED BY:	K. SMITH
REVISIONS		INIT.	DATE

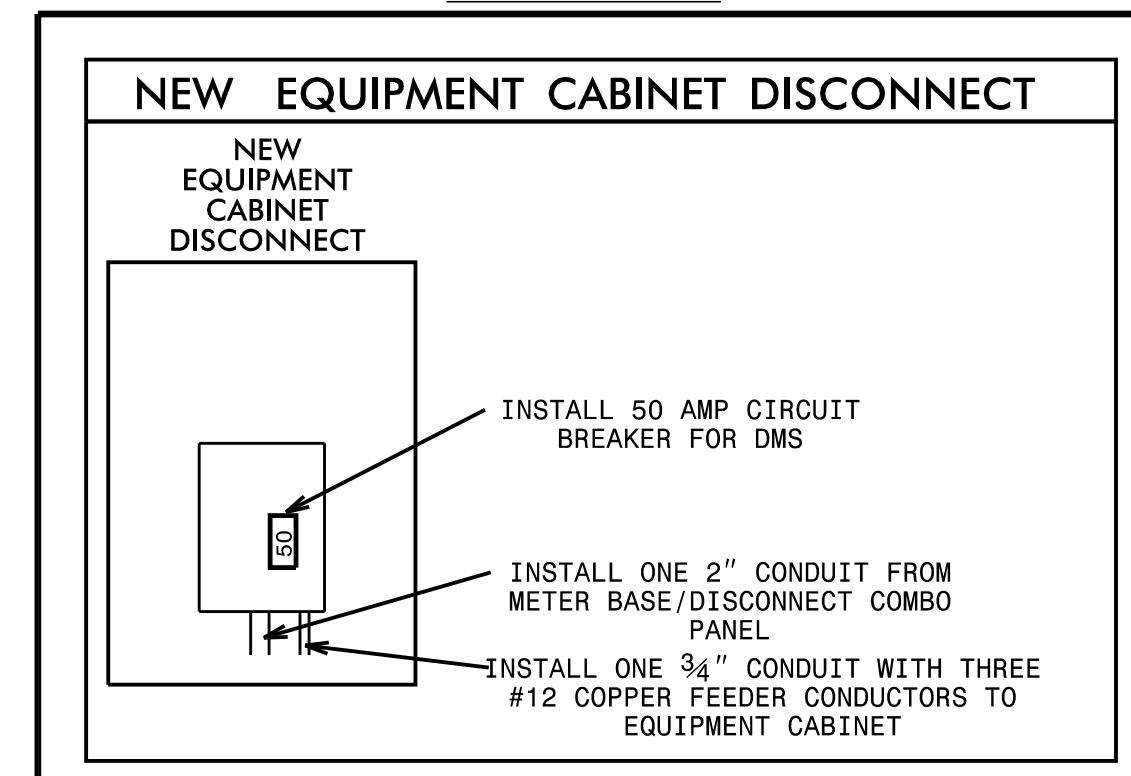


DocuSigned by:
Taylor A. Honeycutt
6/27/2016
DATE
CADD Filename:

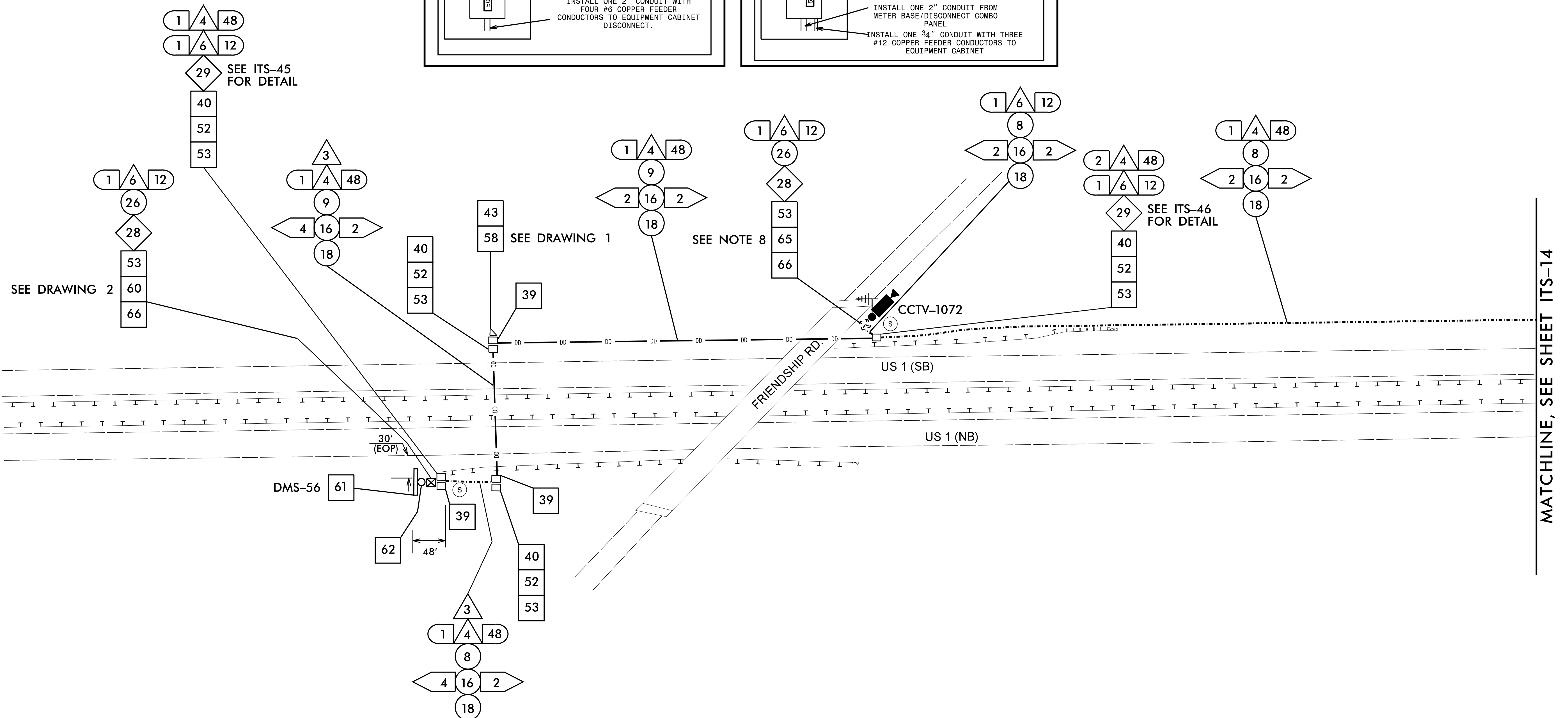
DRAWING 1



DRAWING 2



DMS-56
GPS COORDINATES
35.682205, -78.901108

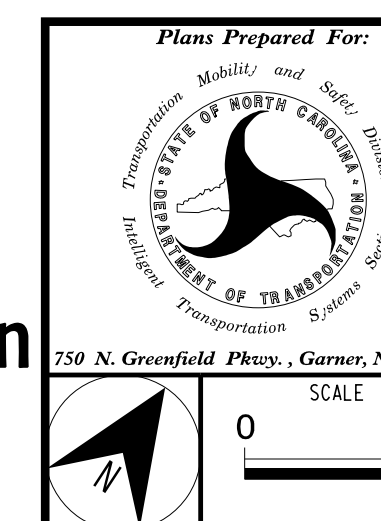


NOTES:

1. INSTALL NEW DMS WALKWAY, LADDER, AND POLE MOUNTED CABINET ON NEW DMS STRUCTURE.
2. CONTACT JOSH TERRY WITH DUKE ENERGY AT (919)-452-5215 TO OBTAIN POWER TO ELECTRICAL SERVICE.
3. CONTACT STEVE WARDLE WITH NCDOT AT (919)-825-2634 TO CONFIRM LOCATION OF NEW DEVICE.
4. ELECTRICAL SERVICE DETAILS AND CONSTRUCTION METHODS DEPICT FIELD CONDITIONS AT THE TIME OF DESIGN. CONTRACTOR TO VERIFY ACTUAL CONDITIONS AT THE TIME OF CONSTRUCTION AND OBTAIN APPROVAL FROM ENGINEER PRIOR TO MAKING ANY CHANGES.
5. INSTALL NEW GROUNDING SYSTEM AS SHOWN ON SHEET ITS-7 AND AS DESCRIBED IN THE PROJECT SPECIAL PROVISIONS.
6. INSTALL CONDUITS FOR FEEDER CONDUCTORS AND FIBER OPTIC CABLE IN SAME BORE AND TRENCH. USE SEPARATE CONDUITS AND SEPARATE JUNCTION BOXES FOR POWER AND COMMUNICATIONS.
7. MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED ON THE PLANS.
8. REPOSITION AND CONFIGURE EXISTING WIRELESS ANTENNA TO COMMUNICATE WITH CCTV-1071 (ITS-12)
9. NEW ELECTRICAL BREAKER WILL BE LABELED WITH MAXIMUM AVAILABLE FAULT CURRENT.
INFORMATION WILL BE OBTAINED FROM UTILITY BY NCDOT.

Kimley»»Horn

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C-5600I (US 64 / US 1)

DIVISION 5 WAKE COUNTY

PLAN DATE:	JUNE 2016	REVIEWED BY:	T. HONEYCUTT
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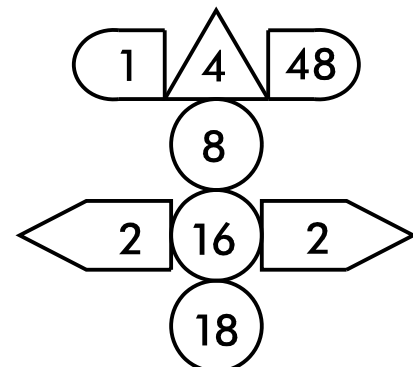
529	PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH
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REVISIONS	INIT.	DATE
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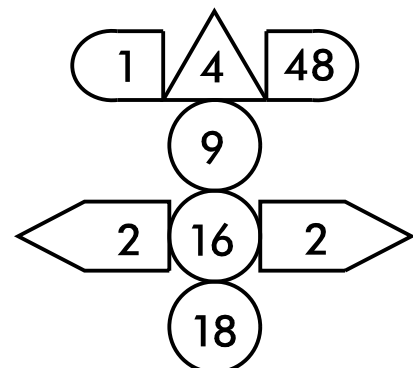
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Taylor Honeycutt 6/27/2016
EB7BC5D5A7F0E DATE
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MATCHLINE, SEE SHEET ITS-13

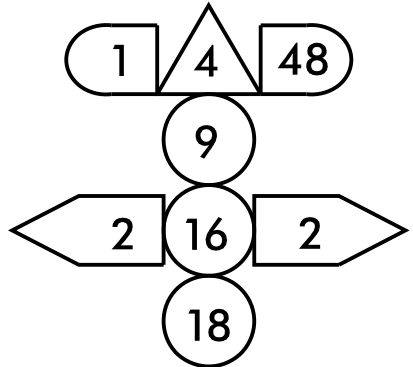
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40
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MATCHLINE, SEE SHEET ITS-15

US 1 (SB)

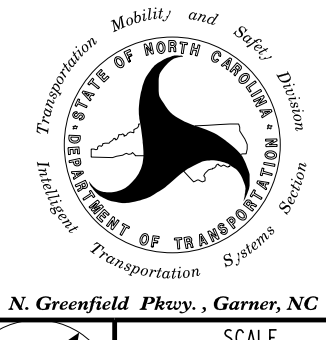
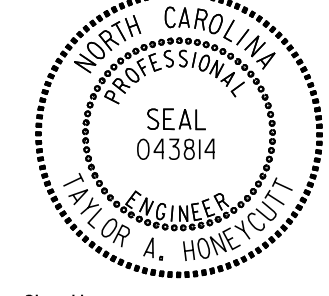
US 1 (NB)

NOTES:

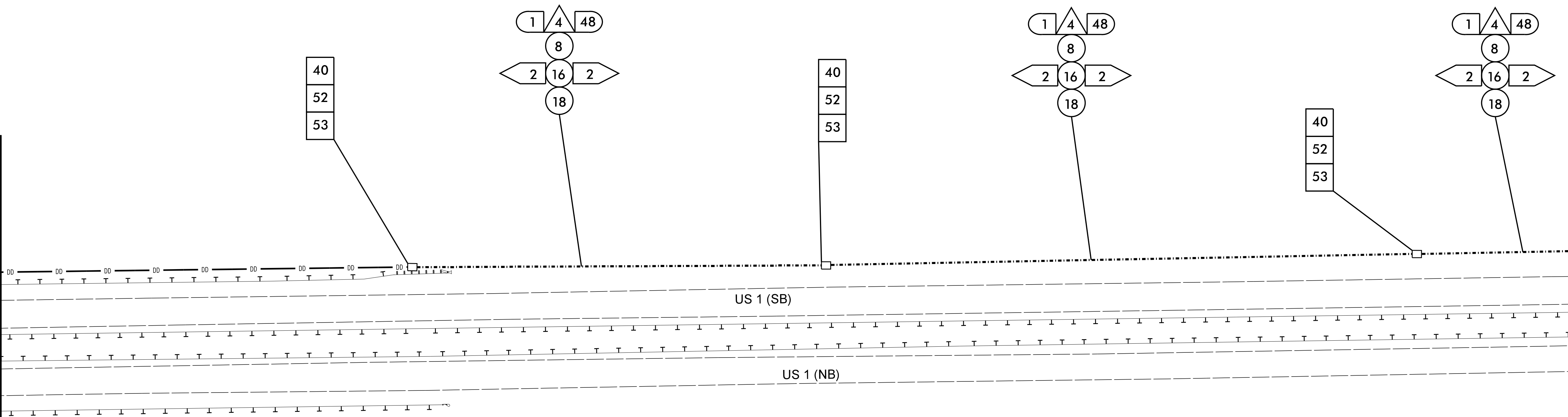
1. MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED ON THE PLANS.

Kimley»Horn

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 750 N. Greenfield Parkway, Garner, NC 27529	C-5600I (US 64/ US 1)		SEAL	
	CABLE ROUTING			
	DIVISION 5		WAKE COUNTY	
	PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT		
PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH			
REVISIONS	INIT.	DATE	DocuSigned by: Taylor A. Honeycutt 6/27/2016	
			CADD Filename:	

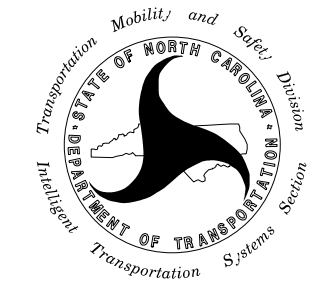
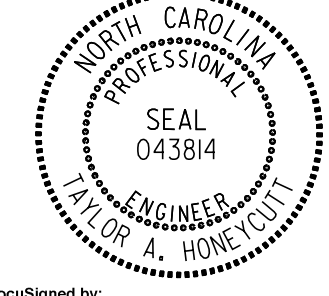
MATCHLINE, SEE SHEET ITS-14



MATCHLINE, SEE SHEET ITS-16

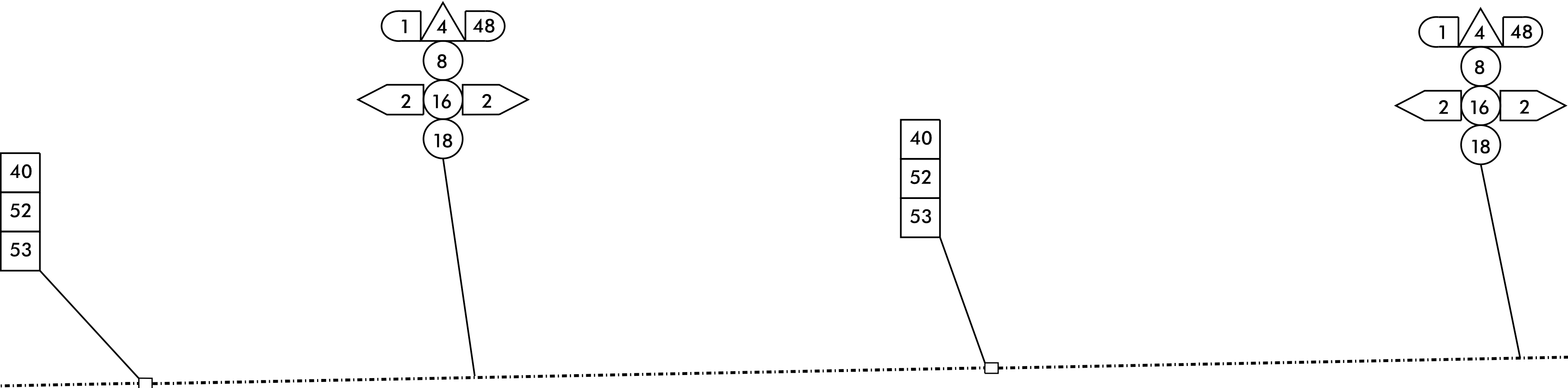
- NOTES:
1. MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED ON THE PLANS.

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 750 N. Greenfield Parkway, Garner, NC 27529	C-5600I (US 64/ US 1)		SEAL		
	CABLE ROUTING				
	DIVISION 5		WAKE COUNTY		
	PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT			
	PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH			
REVISIONS		INIT.	DATE	DocuSigned by: <i>Saylor Honeycutt</i> 6/27/2016	
				DATE	
		CADD Filename:			

MATCHLINE, SEE SHEET ITS-15

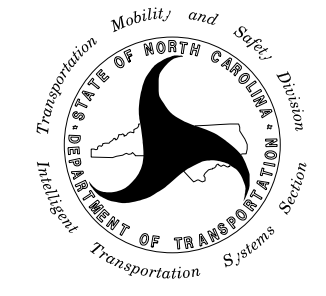
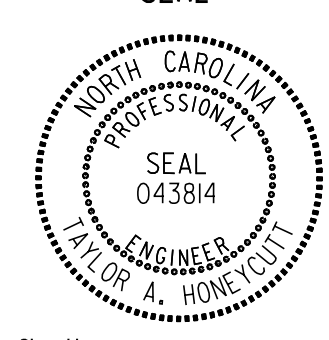
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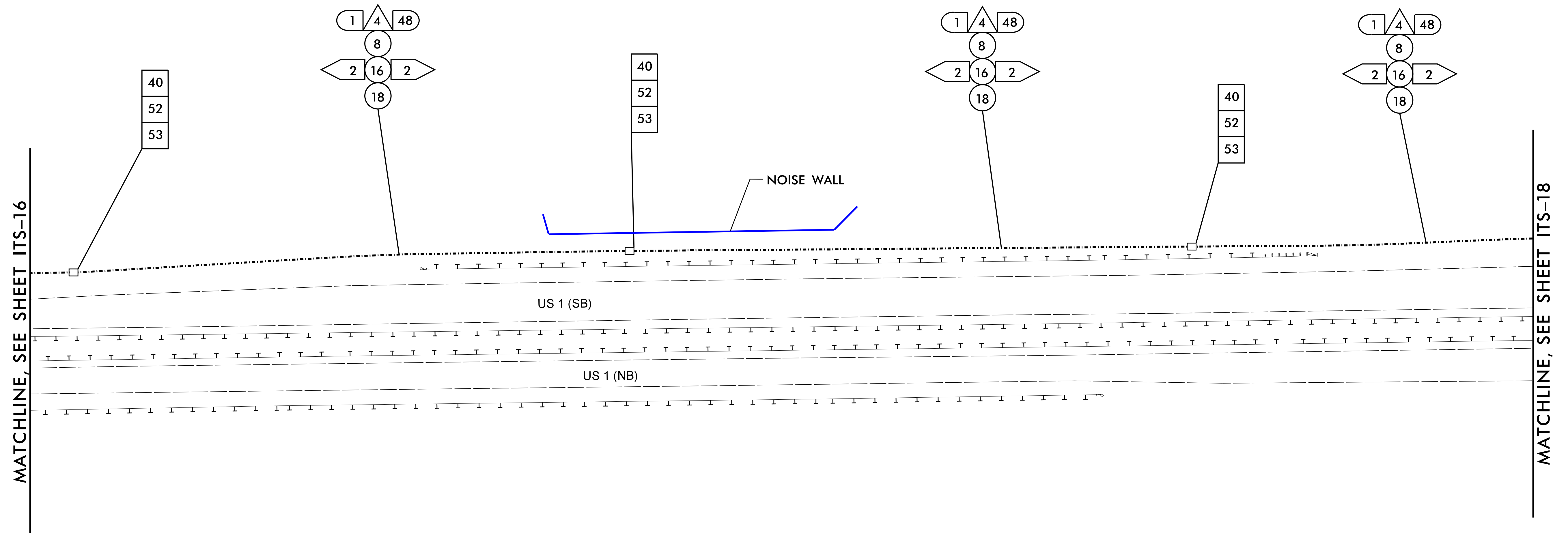


NOTES:

1. MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED ON THE PLANS.

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 750 N. Greenfield Parkway, Garner, NC 27529	C-5600I (US 64/ US 1)		SEAL	
	CABLE ROUTING			
	DIVISION 5		WAKE COUNTY	
	PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT		
PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH			
REVISIONS	INIT.	DATE	DocuSigned by: 6/27/2016	
			Signature: Taylor A. Honeycutt	
			CADD Filename:	

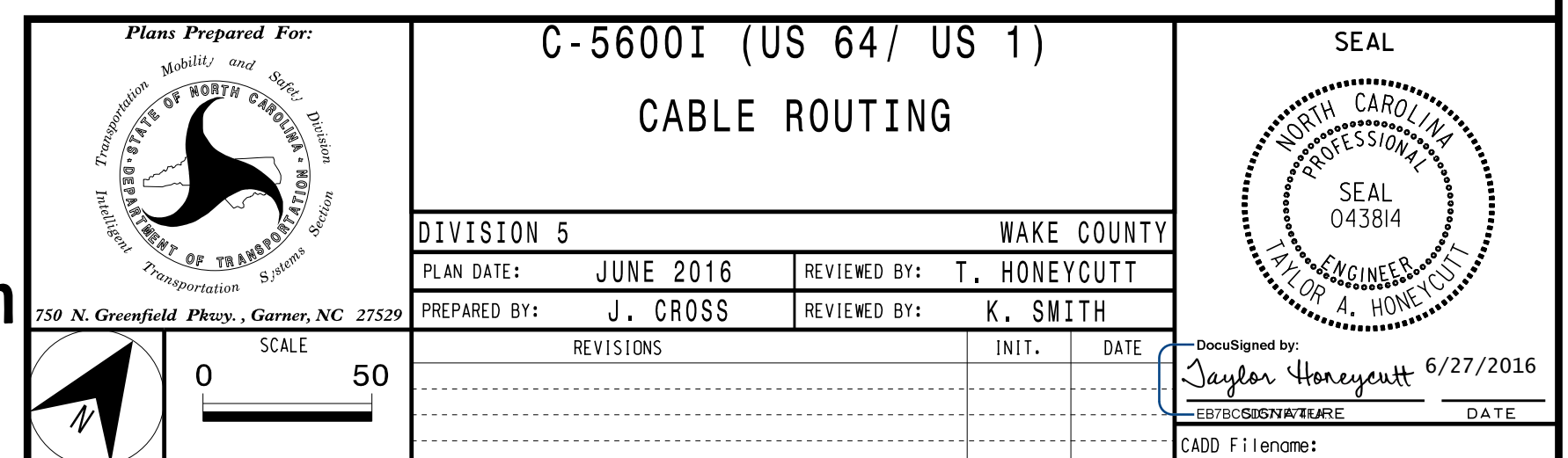


NOTES:

1. MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED ON THE PLANS.

Kimley»Horn

**NC License #F-0102
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Raleigh, NC 27636
Tel: (919) 677-2000
Fax: (919) 677-2050**



CCTV-1073
GPS COORDINATES
35.720280, -78.833420

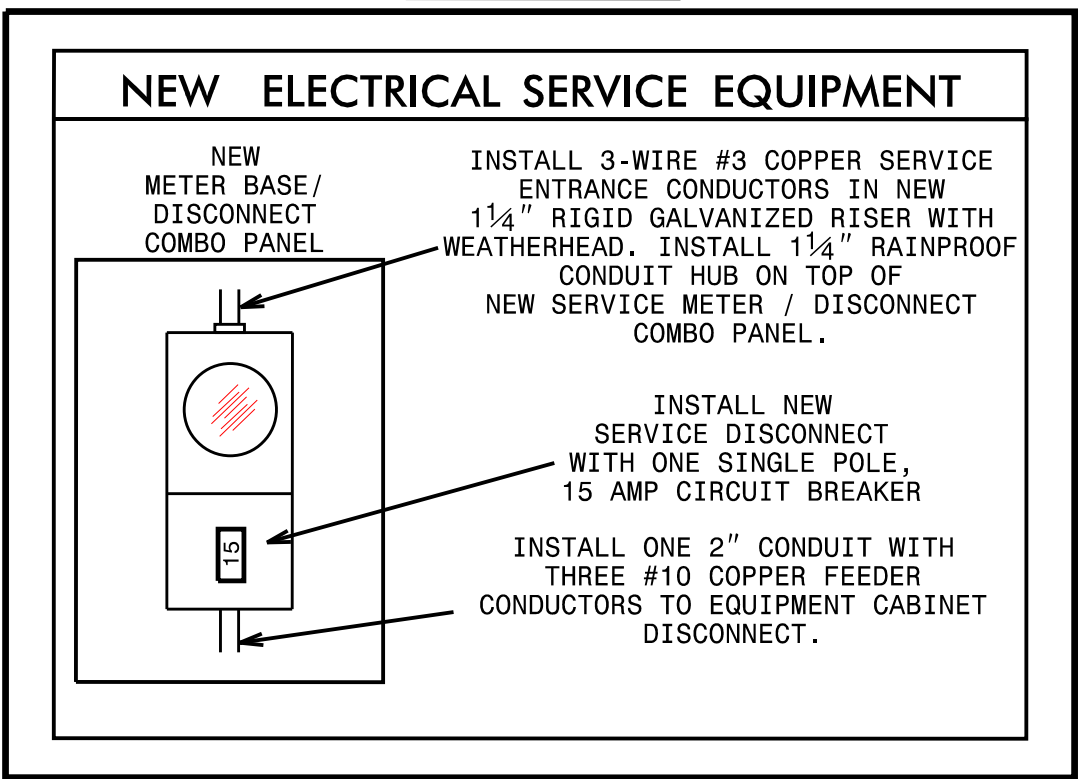
MATCHLINE, SEE SHEET ITS-17

MATCHLINE, SEE SHEET ITS-19

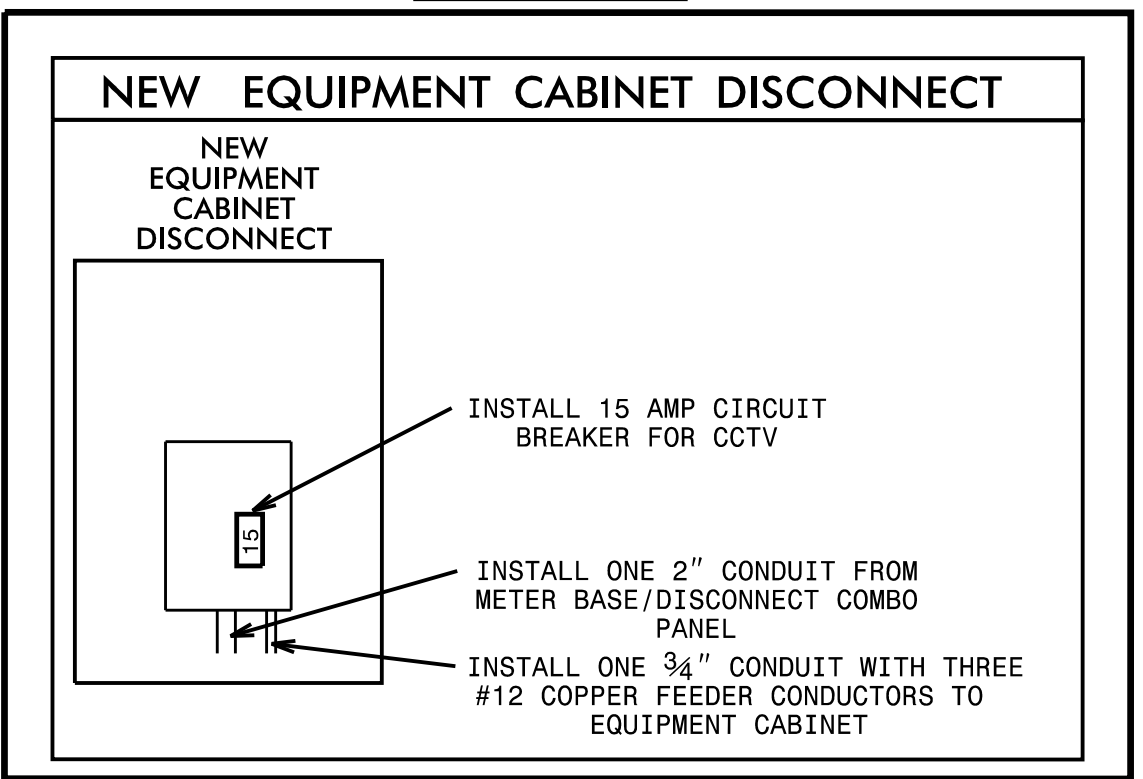
NOTES:

1. MOUNT CCTV CAMERA 45' ABOVE GRADE. INSTALL NEW POLE MOUNTED EQUIPMENT CABINET ON NEW CCTV POLE.
2. CONTACT JOSH TERRY WITH DUKE ENERGY AT (919)-452-5215 TO OBTAIN POWER TO ELECTRICAL SERVICE.
3. CONTACT STEVE WARDLE WITH NCDOT AT (919)-825-2634 TO CONFIRM LOCATION OF NEW DEVICE.
4. ELECTRICAL SERVICE DETAILS AND CONSTRUCTION METHODS DEPICT FIELD CONDITIONS AT THE TIME OF DESIGN. CONTRACTOR TO VERIFY ACTUAL CONDITIONS AT THE TIME OF CONSTRUCTION AND OBTAIN APPROVAL FROM ENGINEER PRIOR TO MAKING ANY CHANGES.
5. INSTALL NEW GROUNDING SYSTEM AS SHOWN ON SHEET ITS-8 AND AS DESCRIBED IN THE PROJECT SPECIAL PROVISIONS.
6. INSTALL CONDUITS FOR FEEDER CONDUCTORS AND FIBER OPTIC CABLE IN SAME BORE AND TRENCH. USE SEPARATE CONDUITS AND SEPARATE JUNCTION BOXES FOR POWER AND COMMUNICATIONS.
7. MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED ON THE PLANS.
8. NEW ELECTRICAL BREAKER WILL BE LABELED WITH MAXIMUM AVAILABLE FAULT CURRENT. INFORMATION WILL BE OBTAINED FROM UTILITY BY NCDOT.

DRAWING 1

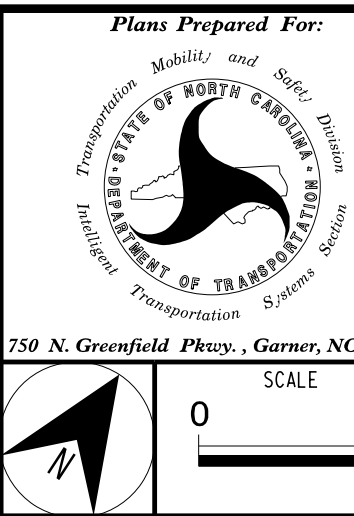


DRAWING 2



Kimley»Horn

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P.O. Box 33068
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Tel: (919) 677-2000
Fax: (919) 677-2050

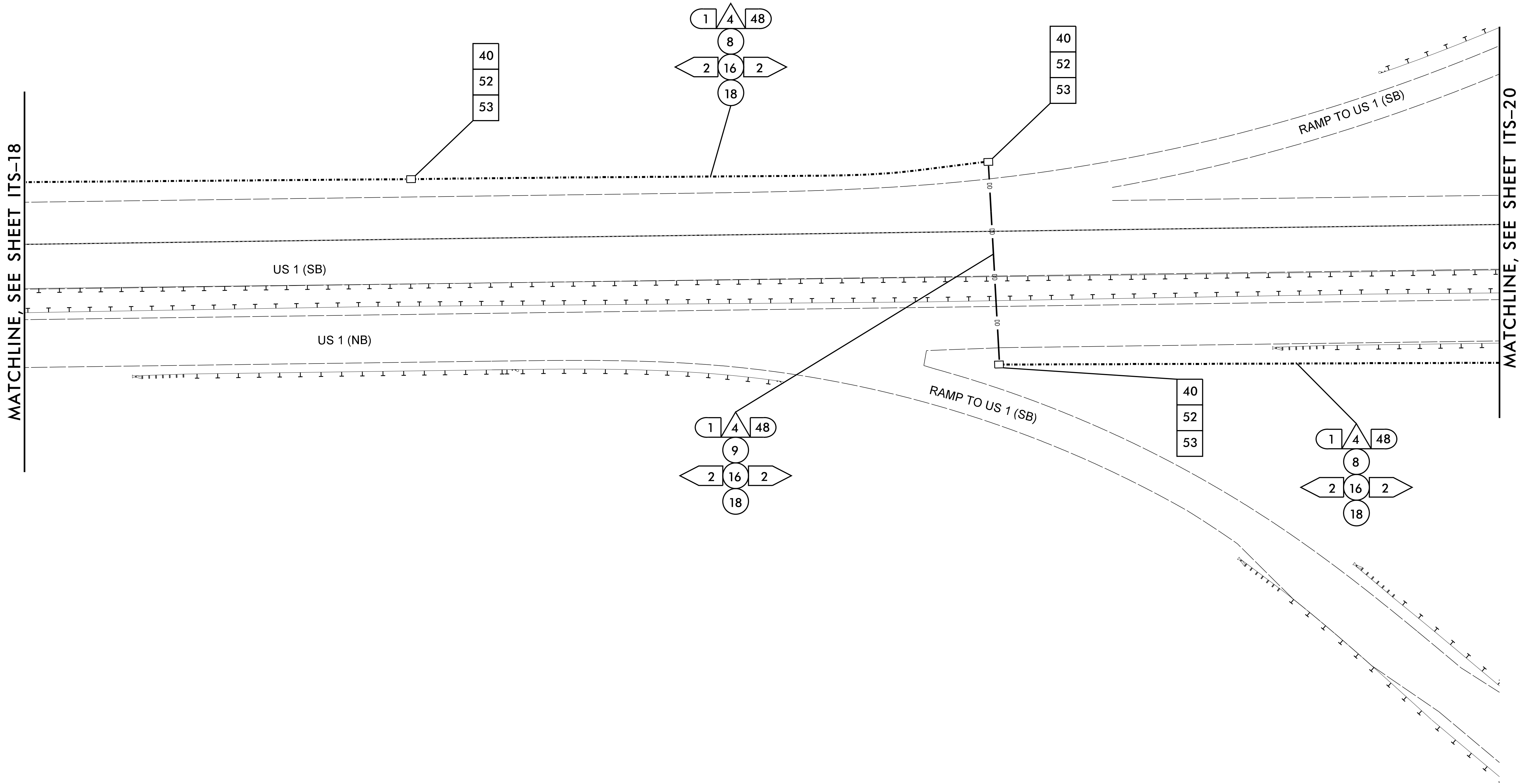


C-5600I (US 64/ US 1)

CABLE ROUTING

DIVISION 5		WAKE COUNTY	
PLAN DATE:	JUNE 2016	REVIEWED BY:	T. HONEYCUTT
PREPARED BY:	J. CROSS	REVIEWED BY:	K. SMITH
REVISIONS		INIT.	DATE



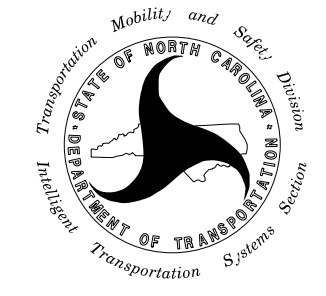
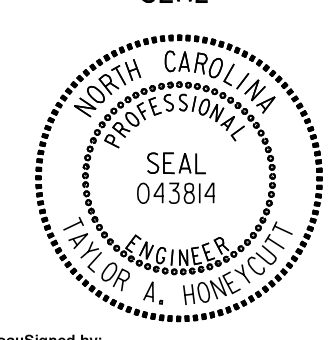


NOTES:

1. MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED ON THE PLANS.

Kimley»Horn

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 750 N. Greenfield Parkway, Garner, NC 27529	C-5600I (US 64/ US 1)		
	CABLE ROUTING		
	DIVISION 5 WAKE COUNTY		
	PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT	
	PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH	
REVISIONS	INIT.	DATE	DocuSigned by: <i>Taylor A. Honeycutt</i> 6/27/2016
CADD Filename:			

MATCHLINE, SEE SHEET ITS-19

RAMP TO US 1 (SB)

US 1 (SB)

US 1 (NB)

NCTA EXISTING
72 SMFO CABLE

1 4 48 NEW
1 4 48 EXISTING
1 4 24 EXISTING
1 6 6 EXISTING
33 SEE ITS-48
FOR DETAIL
53

40
52
53

1 4 48
8
2 16 2
18

40
52
53

40
52
53

1 4 48
8
2 16 2
18

CCTV-1254
65

EXISTING
48 SMFO
CABLE

TRIANGLE EXPY. (OUTER LOOP)

TRIANGLE EXPY. (INNER LOOP)

NOTES:

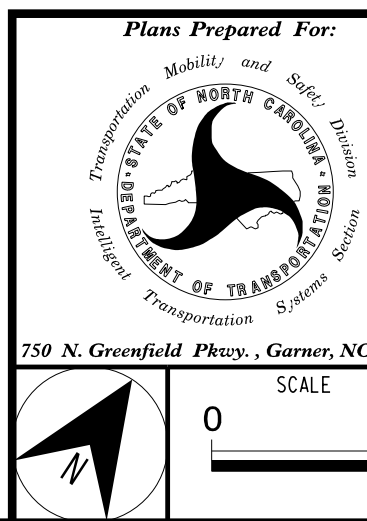
1. MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED ON THE PLANS.

RAMP TO US 1 (SB)

NCTA EXISTING
72 SMFO CABLE

Kimley»Horn

NC License #F-0102
P.O. Box 33068
Raleigh, NC 27636
Tel: (919) 677-2000
Fax: (919) 677-2050



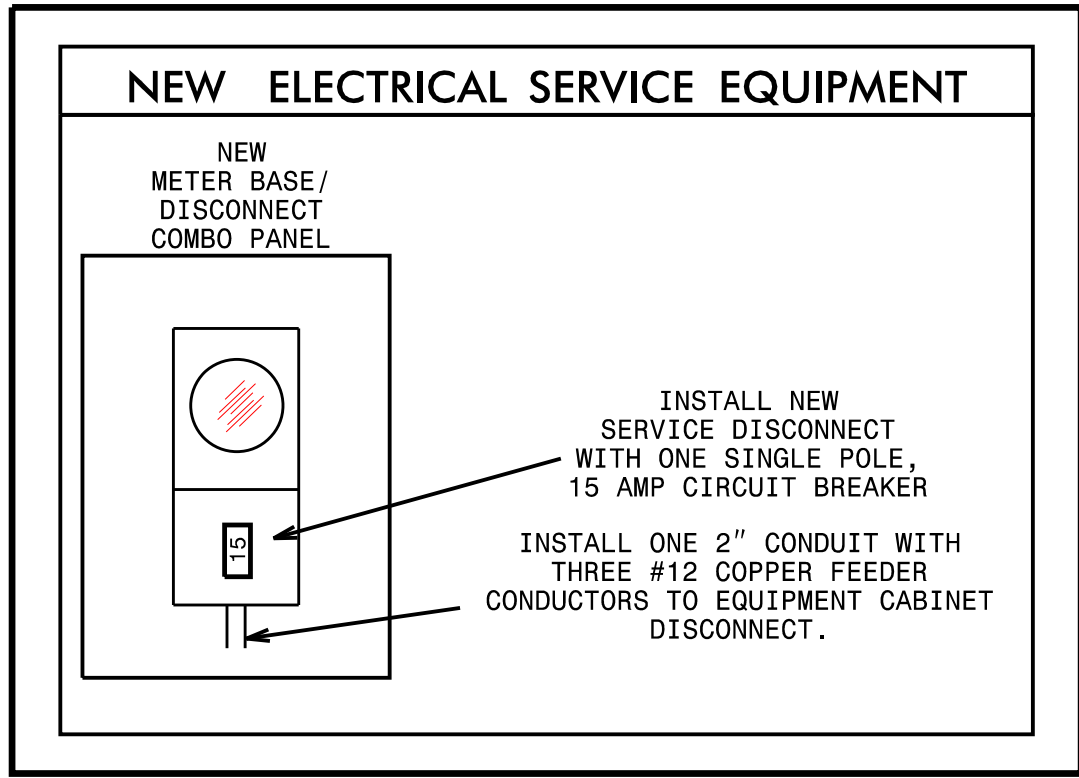
C-5600I (US 64/ US 1)
CABLE ROUTING

DIVISION 5		WAKE COUNTY	
PLAN DATE:	JUNE 2016	REVIEWED BY:	T. HONEYCUTT
PREPARED BY:	J. CROSS	REVIEWED BY:	K. SMITH
REVISIONS		INIT.	DATE

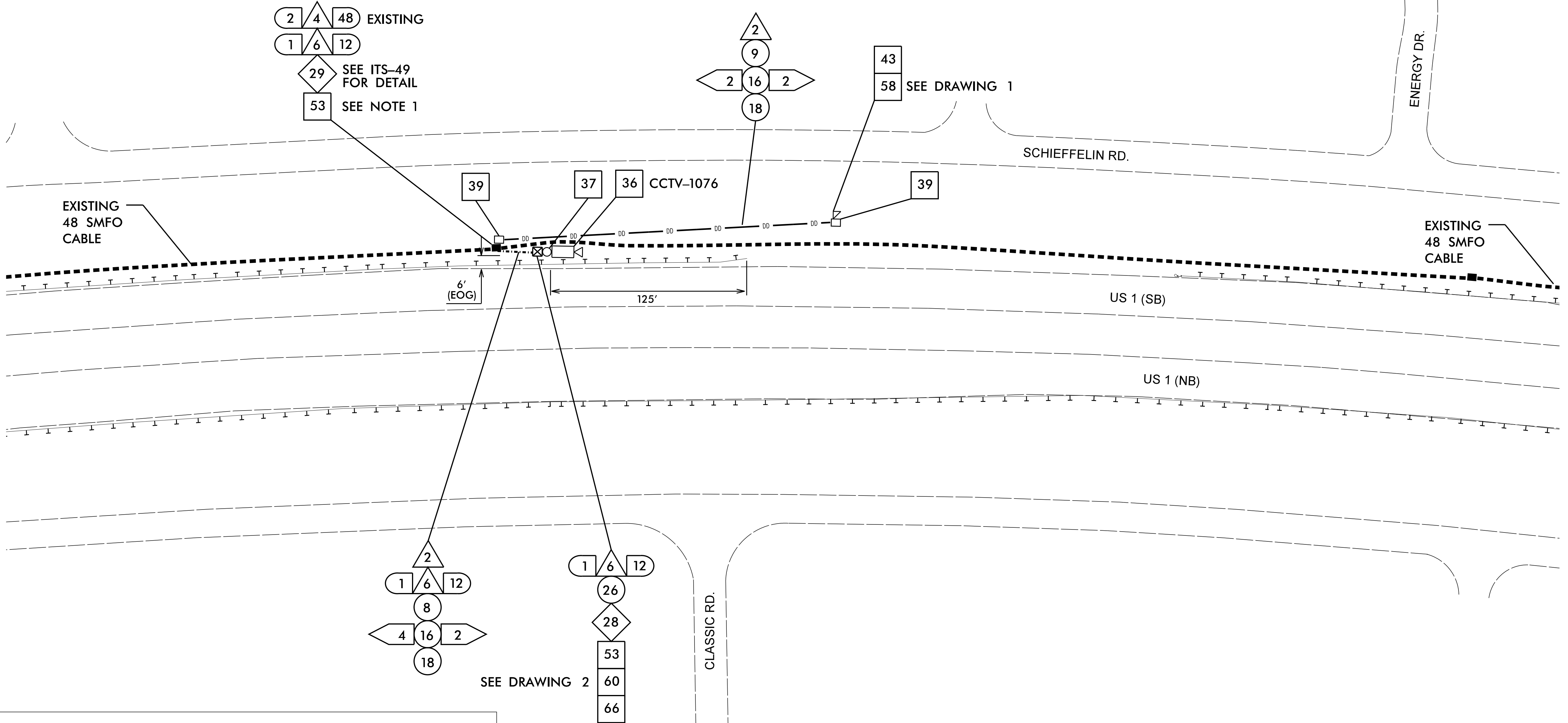
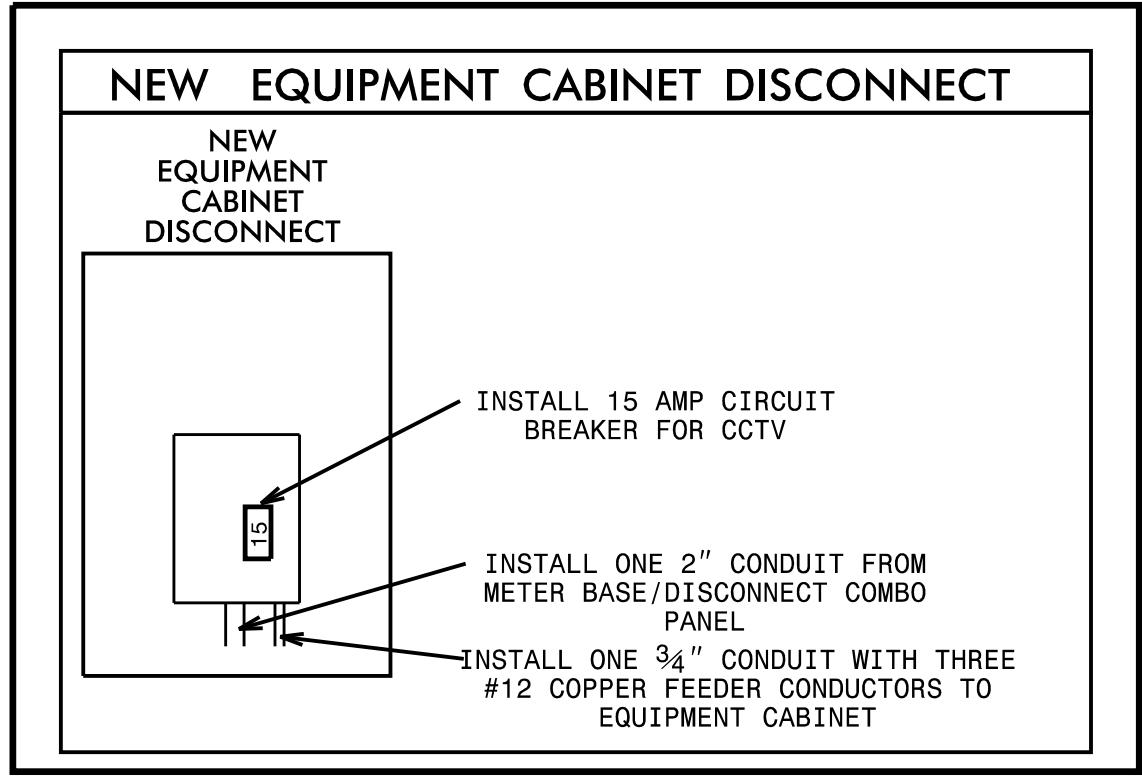


DocuSigned by:
Taylor A. Honeycutt
6/27/2016
CADD Filename:

DRAWING 1



DRAWING 2

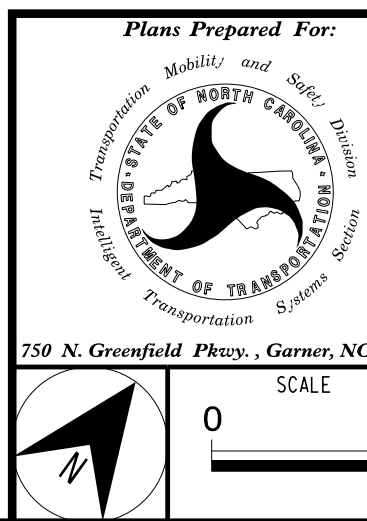


NOTES:

1. MOUNT CCTV CAMERA 45' ABOVE GRADE. INSTALL NEW POLE MOUNTED EQUIPMENT CABINET ON NEW CCTV POLE.
2. CONTACT JOSH TERRY WITH DUKE ENERGY AT (919)-452-5215 TO OBTAIN POWER TO ELECTRICAL SERVICE.
3. CONTACT STEVE WARDLE WITH NCDOT AT (919)-825-2634 TO CONFIRM LOCATION OF NEW DEVICE.
4. ELECTRICAL SERVICE DETAILS AND CONSTRUCTION METHODS DEPICT FIELD CONDITIONS AT THE TIME OF DESIGN. CONTRACTOR TO VERIFY ACTUAL CONDITIONS AT THE TIME OF CONSTRUCTION AND OBTAIN APPROVAL FROM ENGINEER PRIOR TO MAKING ANY CHANGES.
5. INSTALL NEW GROUNDING SYSTEM AS SHOWN ON SHEET ITS-7 AND AS DESCRIBED IN THE PROJECT SPECIAL PROVISIONS.
6. INSTALL CONDUITS FOR FEEDER CONDUCTORS AND FIBER OPTIC CABLE IN SAME BORE AND TRENCH. USE SEPARATE CONDUITS AND SEPARATE JUNCTION BOXES FOR POWER AND COMMUNICATIONS.
7. MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED ON THE PLANS.
8. CUT EXISTING 48 SMFO CABLE AND PULL SLACK FROM ADJACENT JUNCTION BOXES AS NECESSARY.
9. NEW ELECTRICAL BREAKER WILL BE LABELED WITH MAXIMUM AVAILABLE FAULT CURRENT. INFORMATION WILL BE OBTAINED FROM UTILITY BY NCDOT.

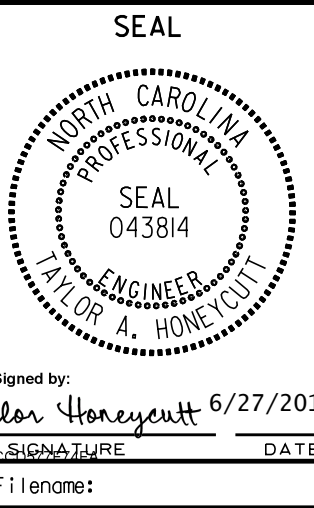
Kimley»Horn

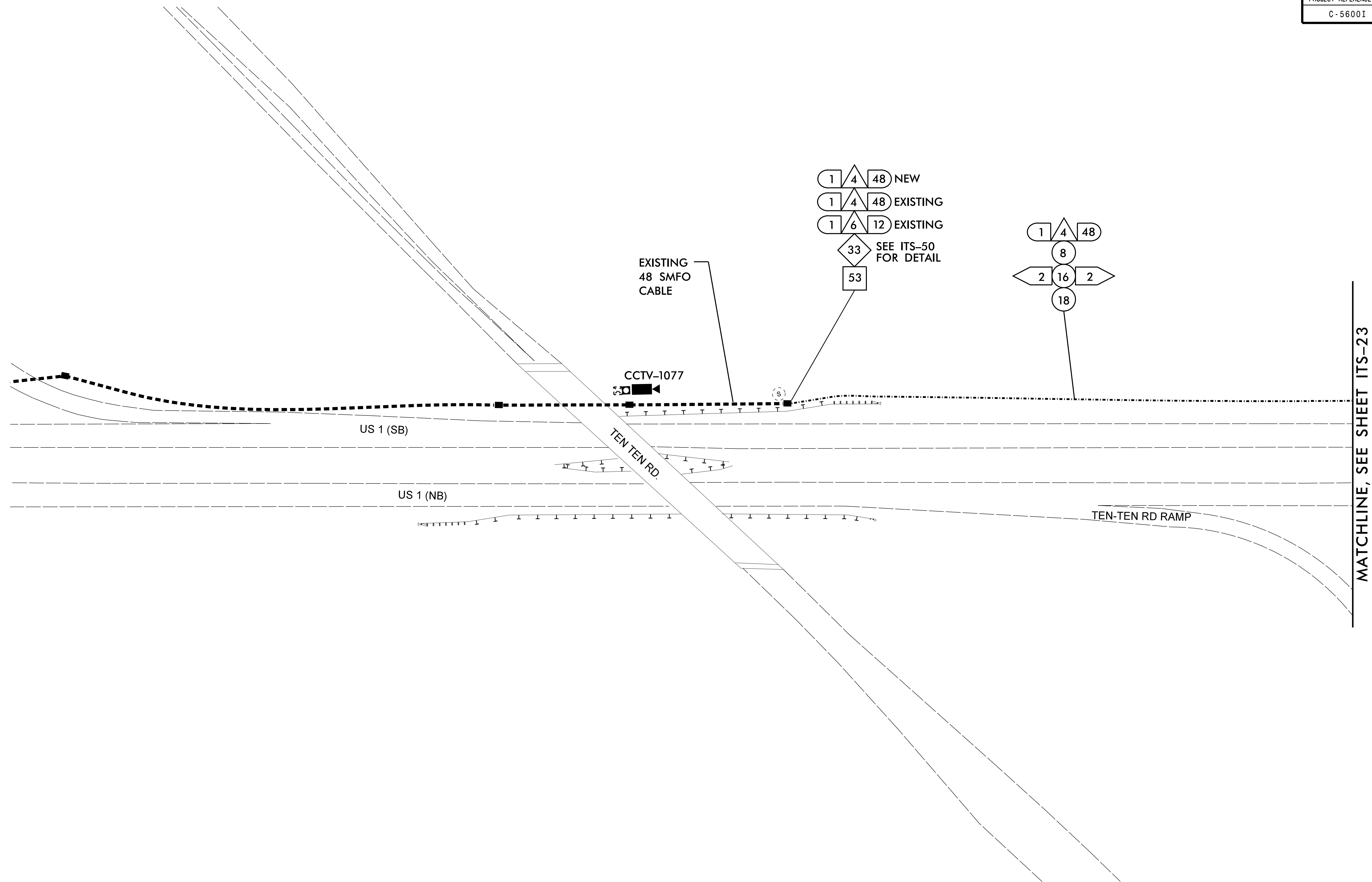
NC License #F-0102
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Raleigh, NC 27636
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C-5600I (US 64/ US 1)
CABLE ROUTING

DIVISION 5		WAKE COUNTY	
PLAN DATE:	JUNE 2016	REVIEWED BY:	T. HONEYCUTT
PREPARED BY:	J. CROSS	REVIEWED BY:	K. SMITH
REVISIONS		INIT.	DATE



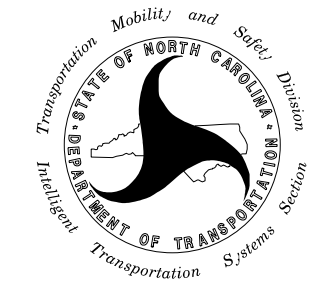
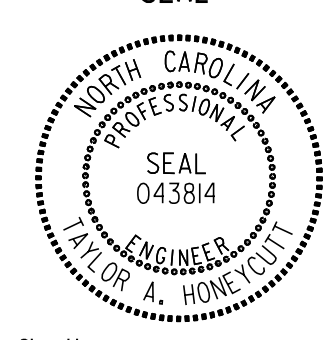
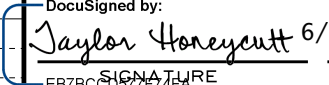


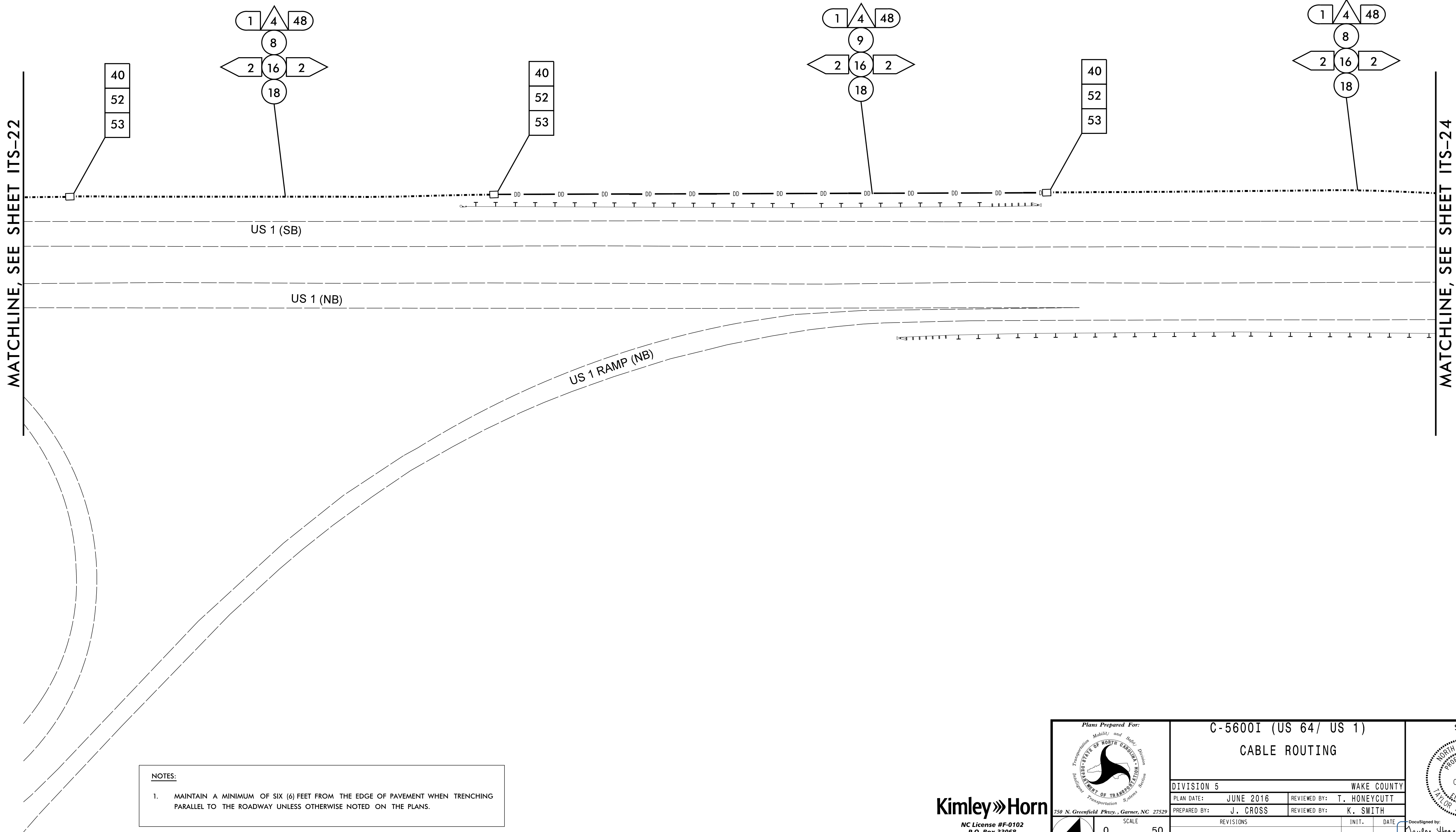
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 750 N. Greenfield Pkwy., Garner, NC 27529	C-5600I (US 64/ US 1)		
	CABLE ROUTING		
	DIVISION 5 WAKE COUNTY		
	PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT	
	PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH	
REVISIONS	INIT.	DATE	DocuSigned by:  6/27/2016 CADD Filename:



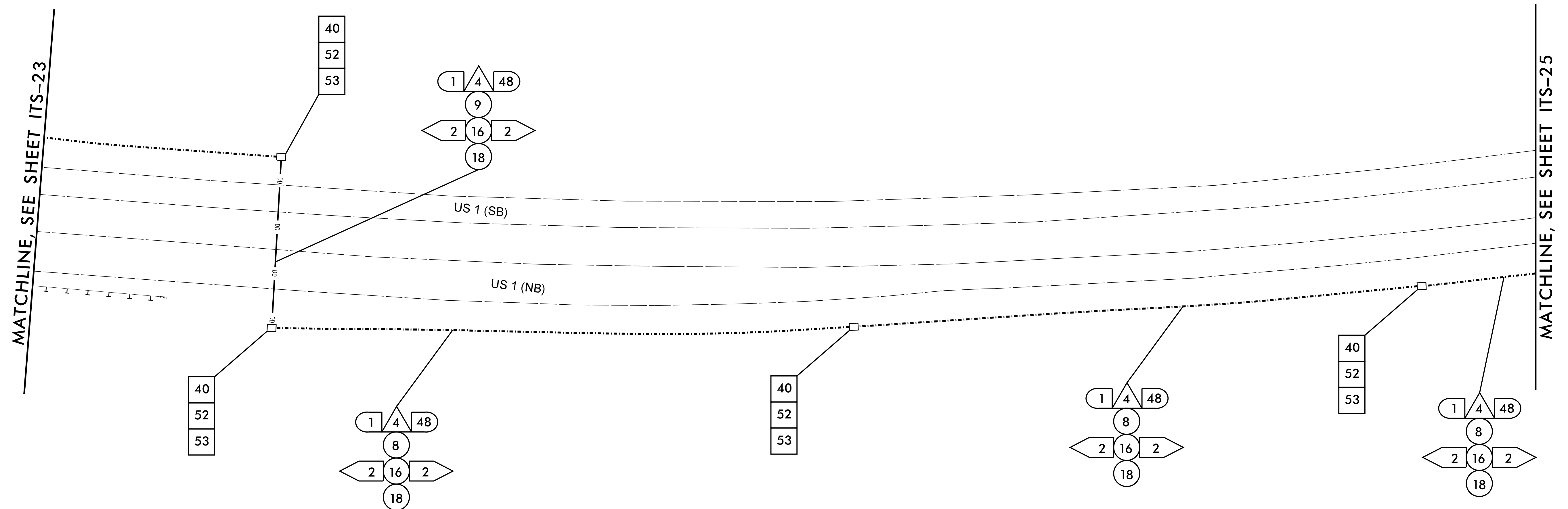
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 750 N. Greenfield Parkway, Garner, NC 27529	C-5600I (US 64/ US 1)		
	CABLE ROUTING		
	DIVISION 5 WAKE COUNTY		
	PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT	
	PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH	
REVISIONS	INIT.	DATE	DocuSigned by: TAYLOR A. HONEYCUTT DATE: 6/27/2016 CADD Filename:

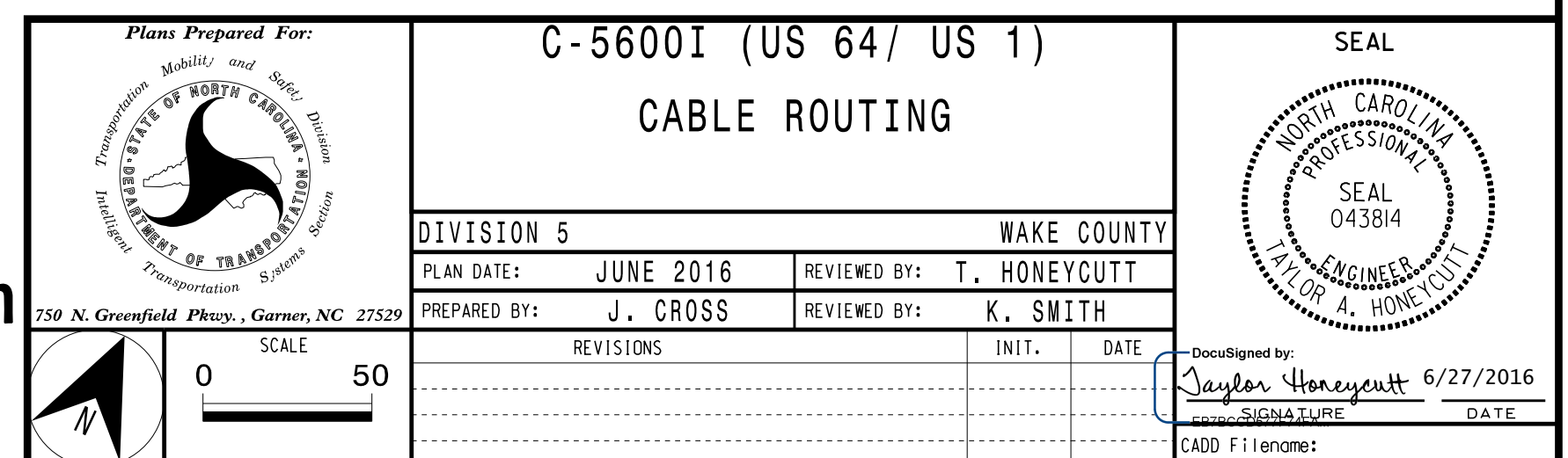


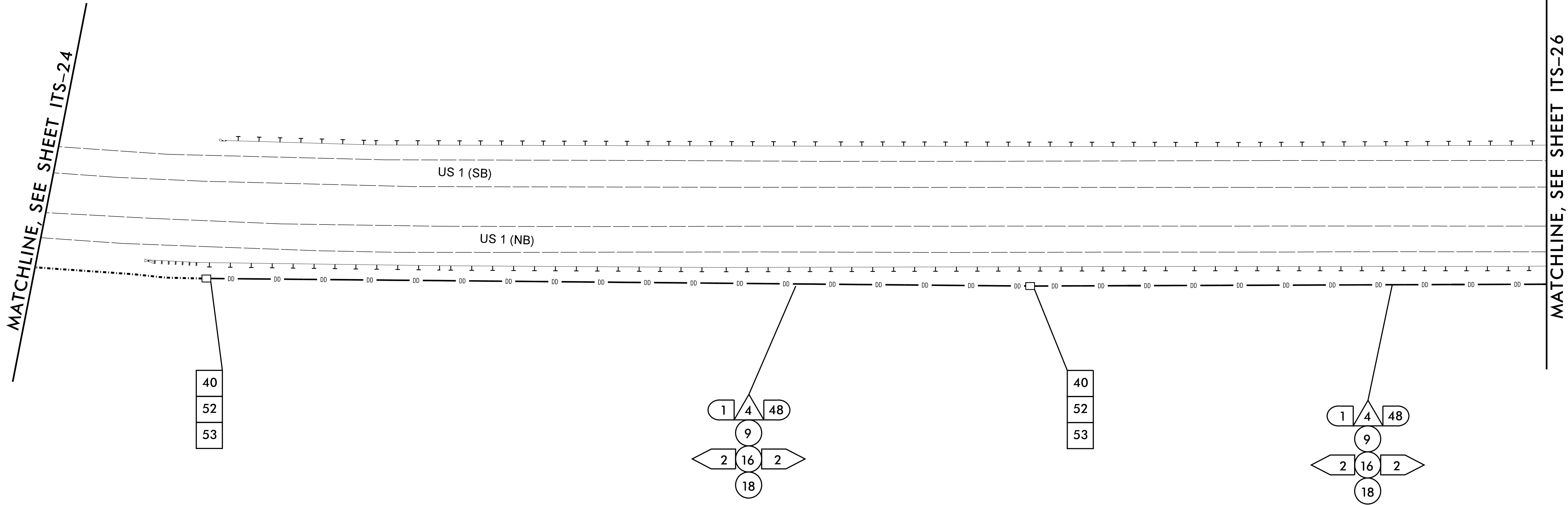
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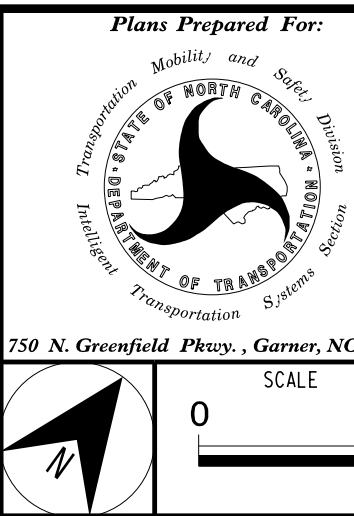


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C-5600I (US 64/ US 1)
CABLE ROUTING

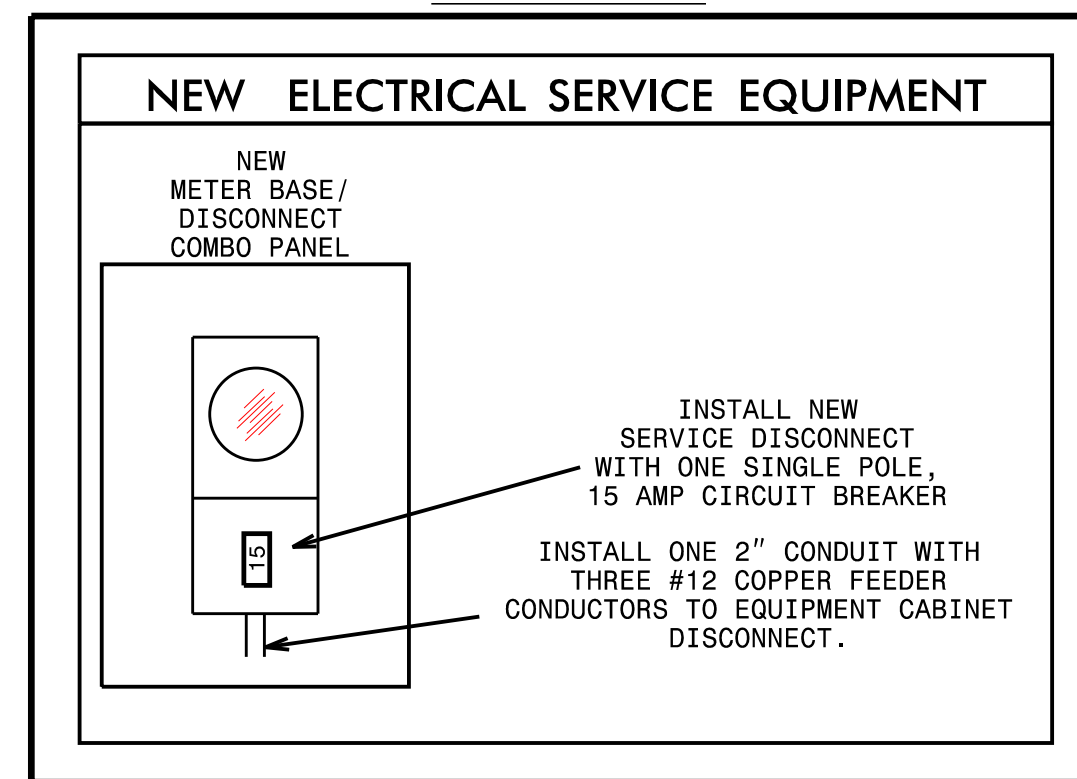
DIVISION 5		WAKE COUNTY	
PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT		
PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH		

REVISIONS	INIT.	DATE

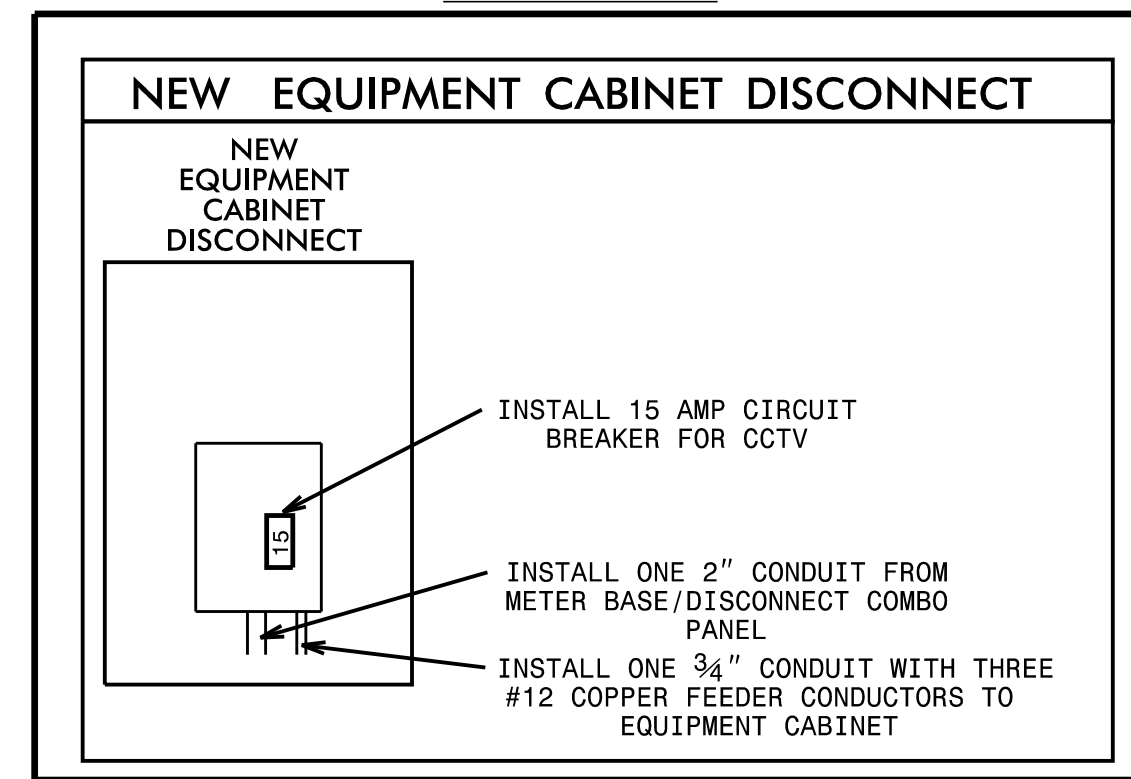
SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
043814
ENGINEER
TAYLOR A. HONEYCUTT
DocuSigned by:
Saylor Honeycutt
6/27/2016
CADD Filename:

CCTV-1078
GPS COORDINATES
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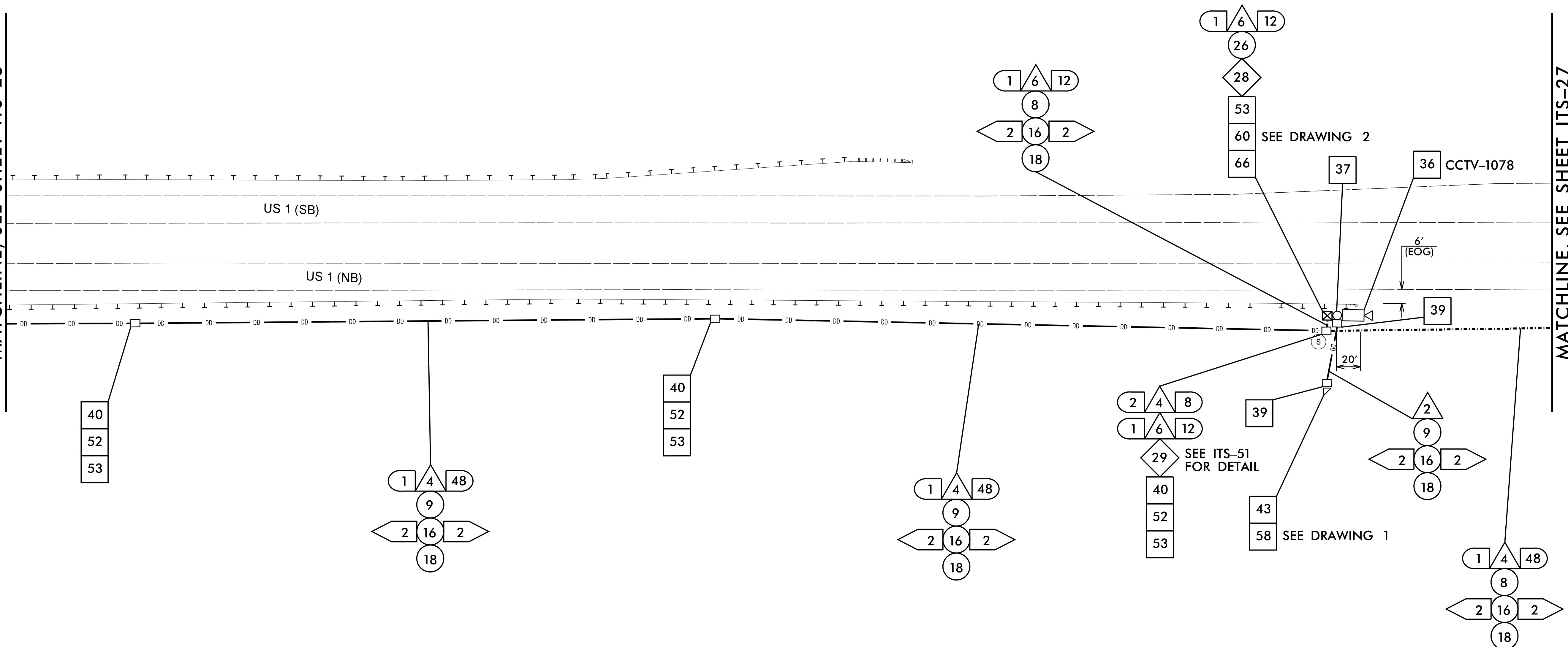
DRAWING 1



DRAWING 2



MATCHLINE, SEE SHEET ITS-25



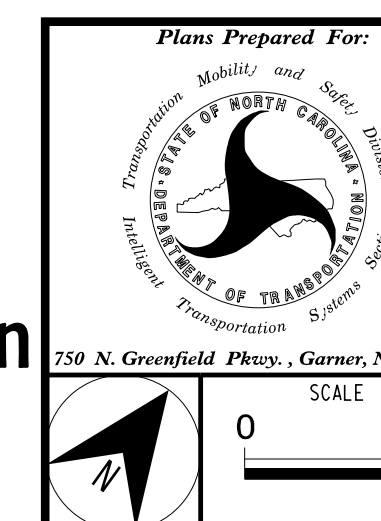
MATCHLINE, SEE SHEET ITS-27

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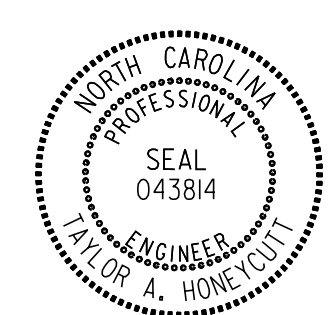
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SEAL



DocuSigned by:
Taylor Honeycutt
Signature
DATE 6/27/2016
CADD Filename:

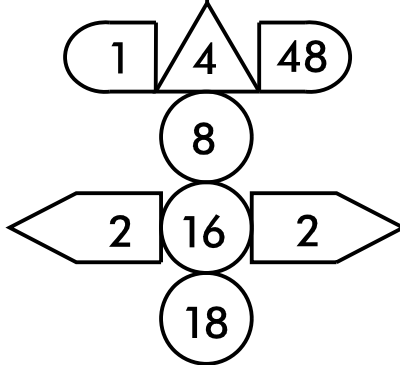
MATCHLINE, SEE SHEET ITS-26

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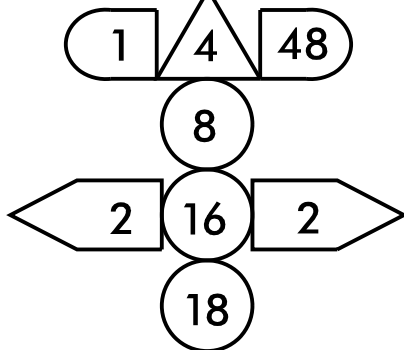
US 1 (NB)

MATCHLINE, SEE SHEET ITS-28

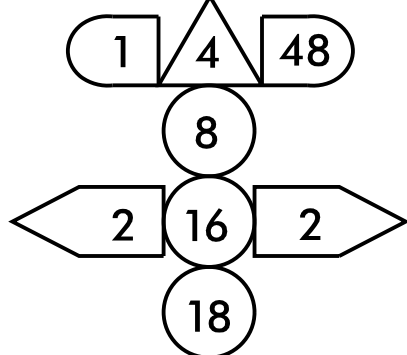
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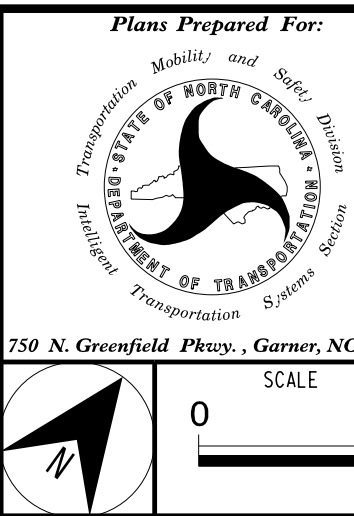


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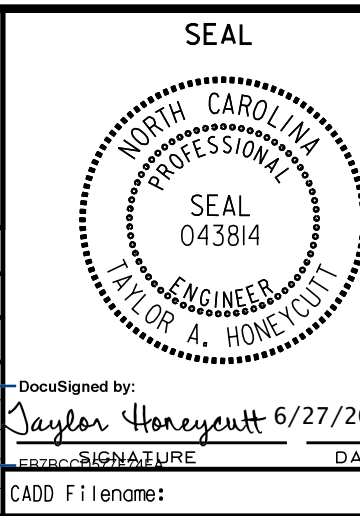
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C-5600I (US 64/ US 1)			
CABLE ROUTING			
DIVISION 5		WAKE COUNTY	
PLAN DATE:	JUNE 2016	REVIEWED BY:	T. HONEYCUTT
PREPARED BY:	J. CROSS	REVIEWED BY:	K. SMITH
REVISIONS		INIT.	DATE



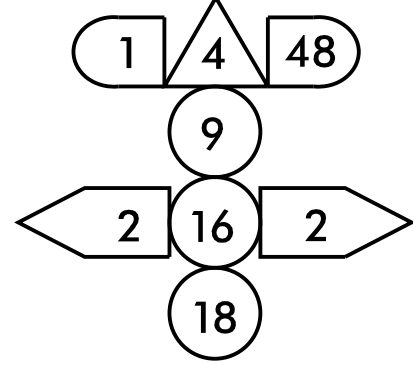
MATCHLINE, SEE SHEET ITS-27

US 1 (SB)

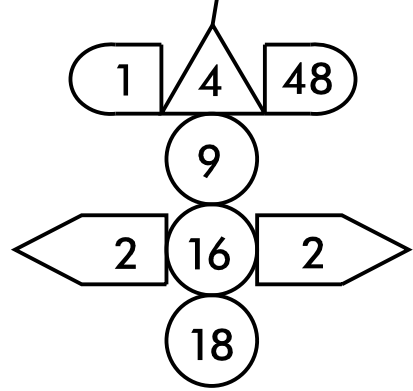
US 1 (NB)

MATCHLINE, SEE SHEET ITS-29

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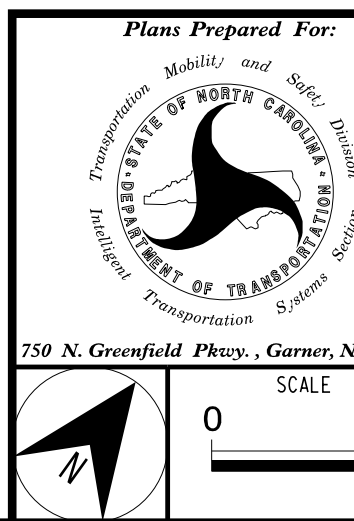


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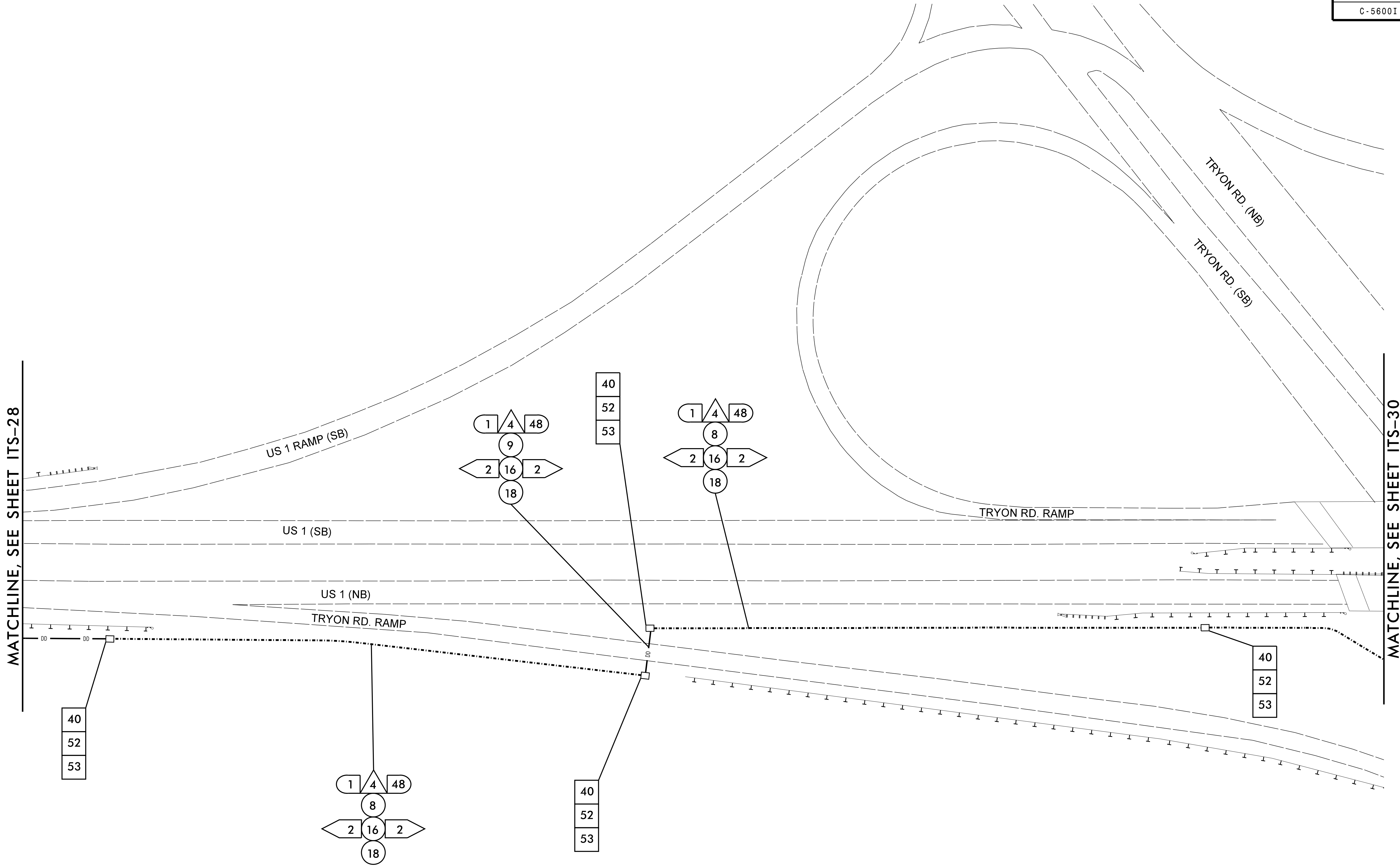
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C-5600I (US 64/ US 1)			
CABLE ROUTING			
DIVISION 5		WAKE COUNTY	
PLAN DATE:	JUNE 2016	REVIEWED BY:	T. HONEYCUTT
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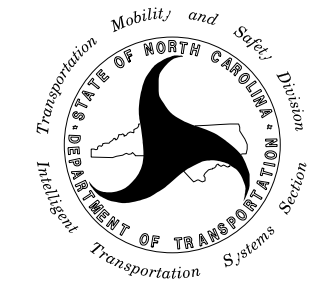
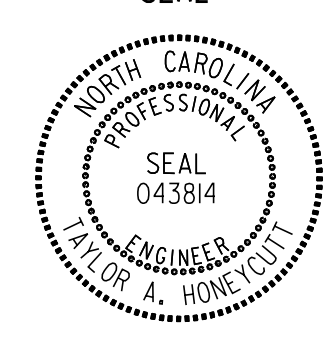
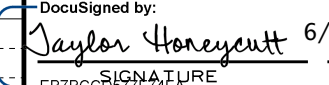


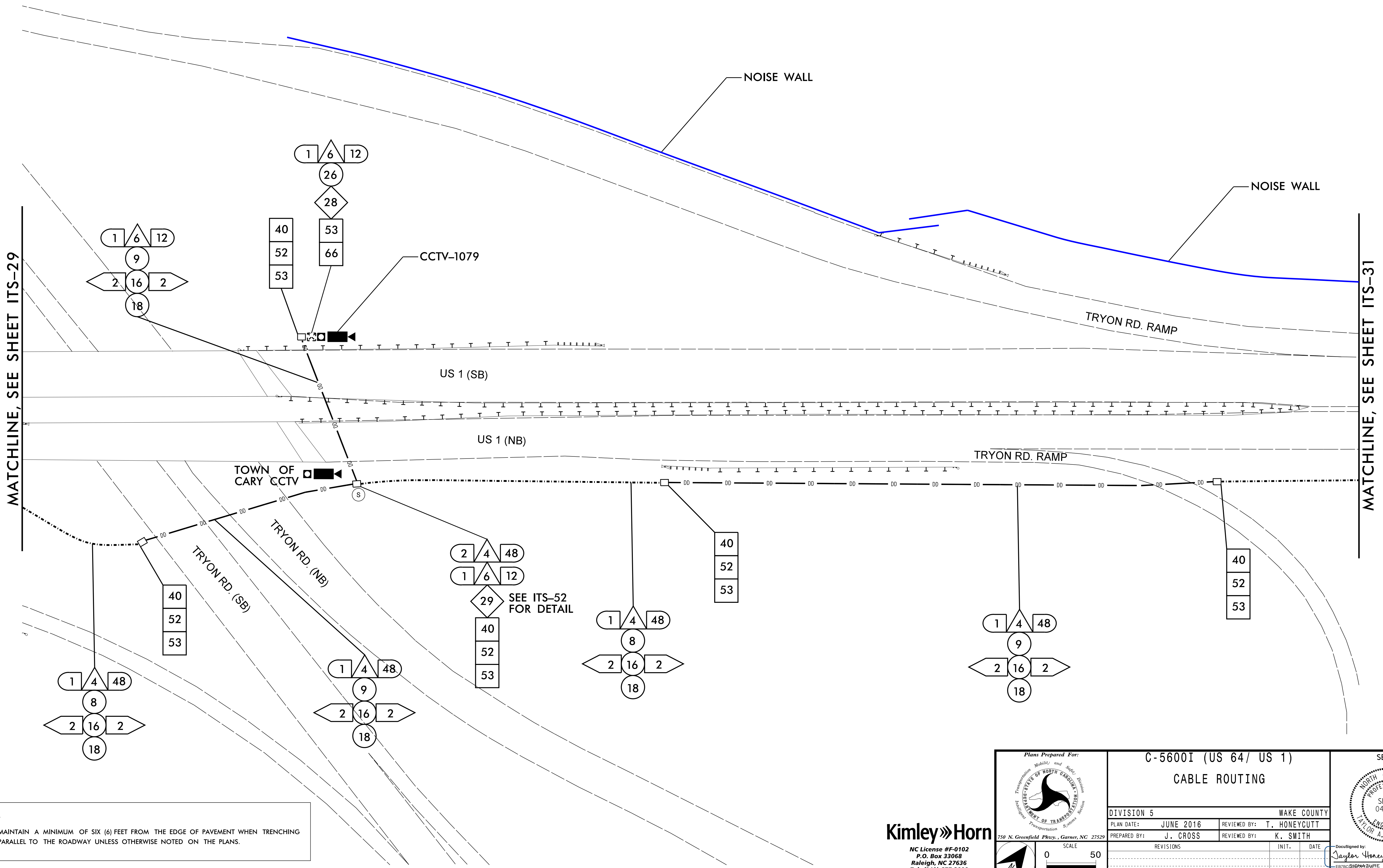
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 750 N. Greenfield Parkway, Garner, NC 27529 	C-5600I (US 64/ US 1)		
	CABLE ROUTING		
	DIVISION 5 WAKE COUNTY		
	PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT	
	PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH	
REVISIONS	INIT.	DATE	DocuSigned by:  6/27/2016 CADD Filename:

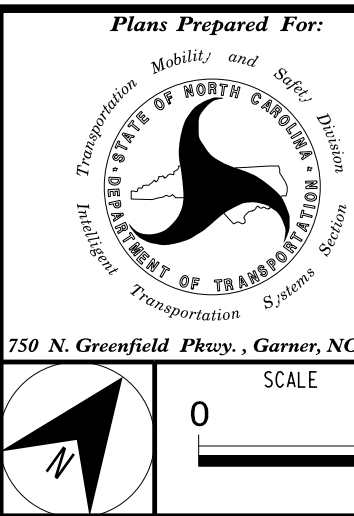


NOTES:

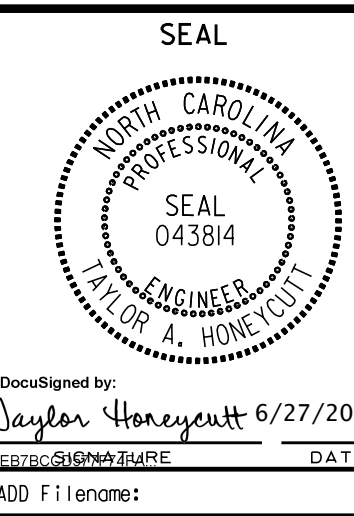
1. MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED ON THE PLANS.

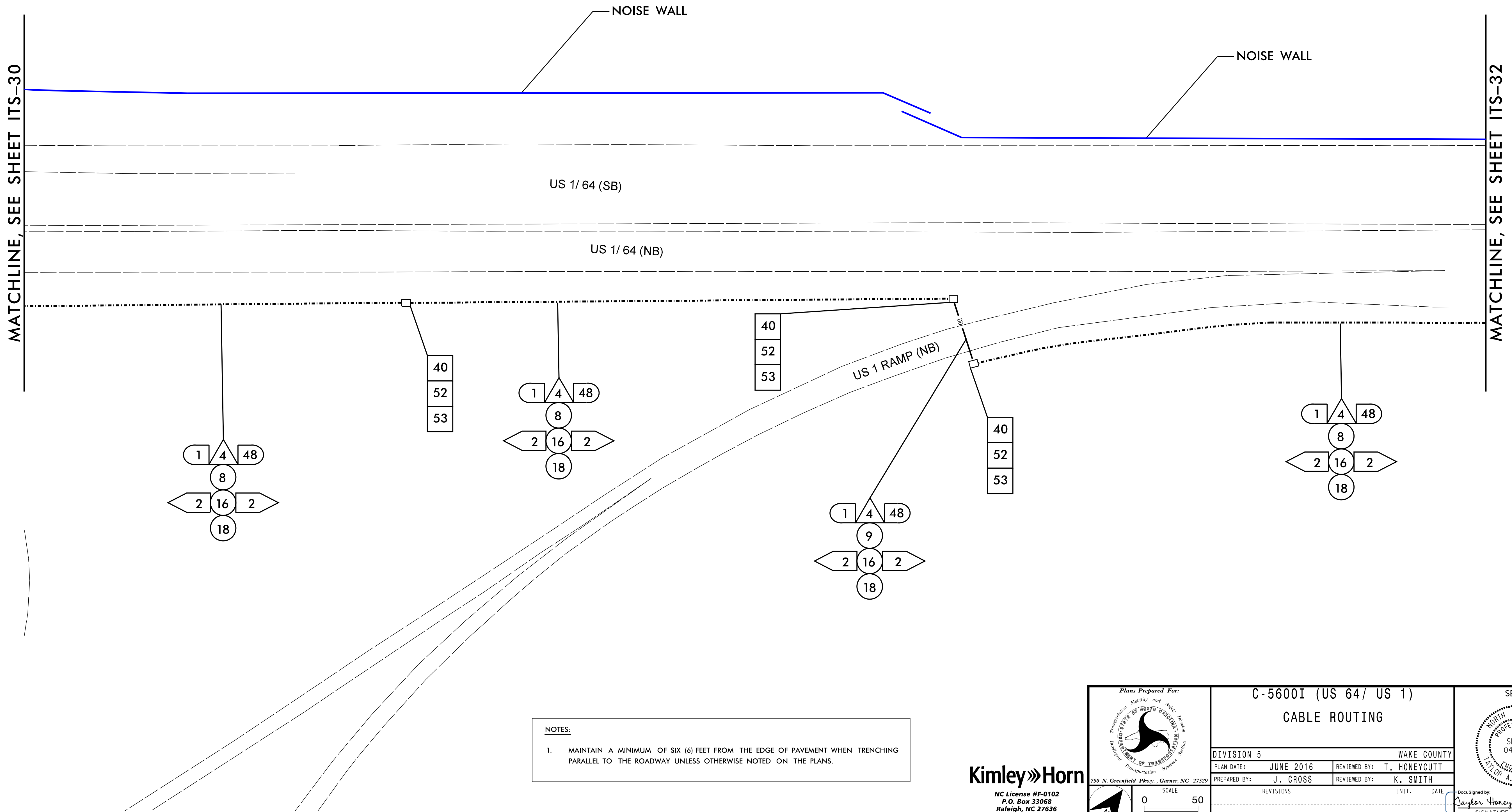
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C-5600I (US 64/ US 1)			
CABLE ROUTING			
DIVISION 5		WAKE COUNTY	
PLAN DATE:	JUNE 2016	REVIEWED BY:	T. HONEYCUTT
PREPARED BY:	J. CROSS	REVIEWED BY:	K. SMITH
REVISIONS		INIT.	DATE





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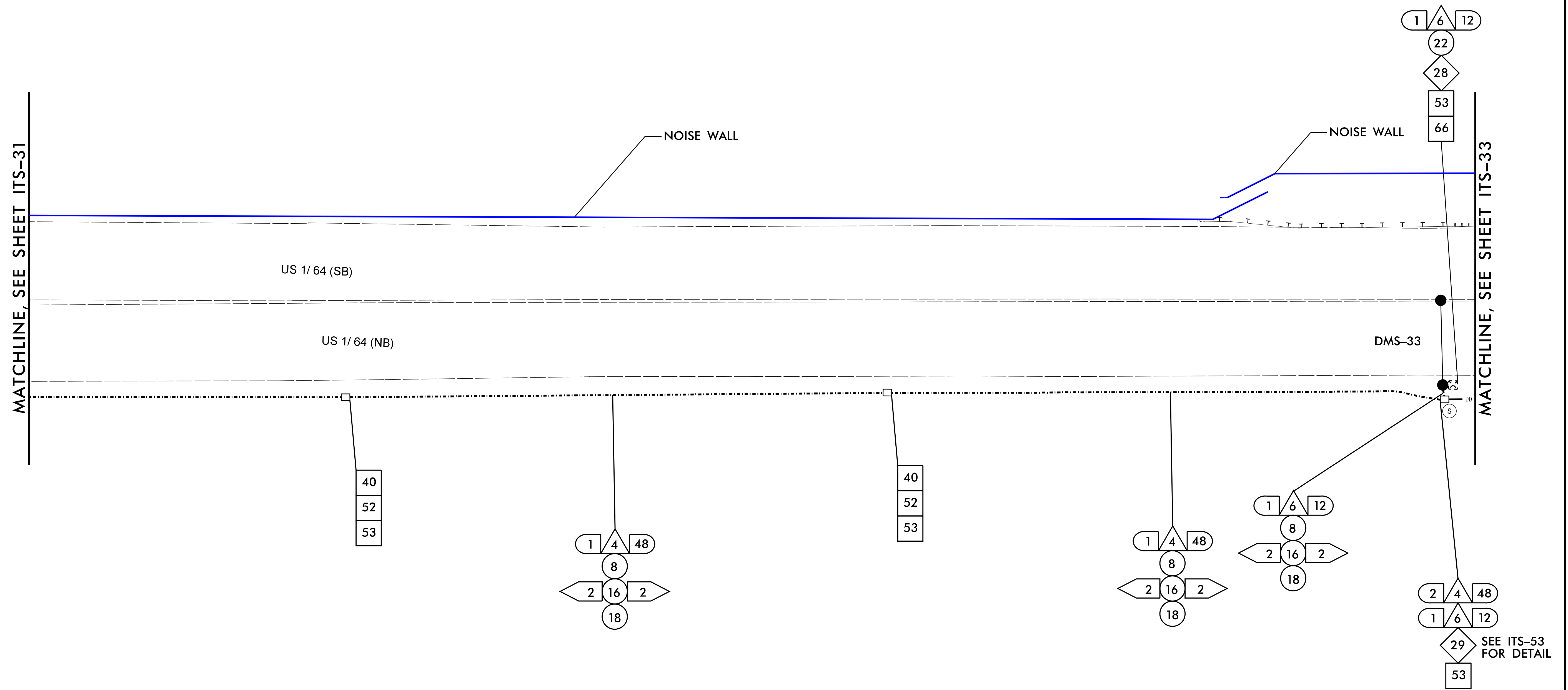
Kimley»Horn
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 Plans Prepared For: C-5600I (US 64/ US 1) CABLE ROUTING	DIVISION 5		WAKE COUNTY	
	PLAN DATE: JUNE 2016		REVIEWED BY: T. HONEYCUTT	
	PREPARED BY: J. CROSS		REVIEWED BY: K. SMITH	
	REVISIONS		INIT.	DATE

750 N. Greenfield Place, Garner, NC 27529

0 SCALE 50

DocuSigned by:
Taylor A. Honeycutt 6/27/2016
CADD Filename:

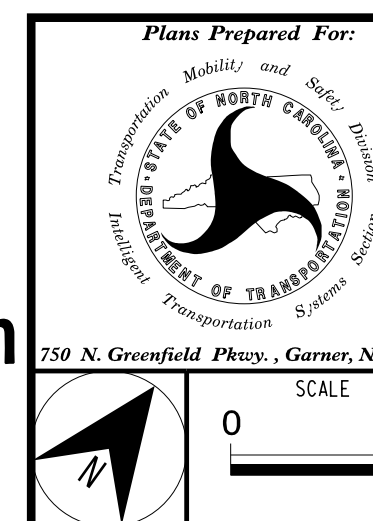


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C-5600I (US 64/ US 1)
CABLE ROUTING

DIVISION 5 WAKE COUNTY

PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT
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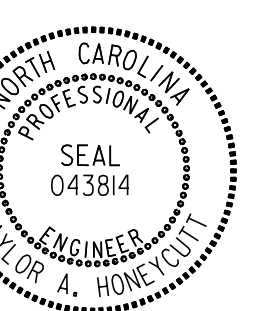
29	PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH
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REVISIONS	INIT.	DATE

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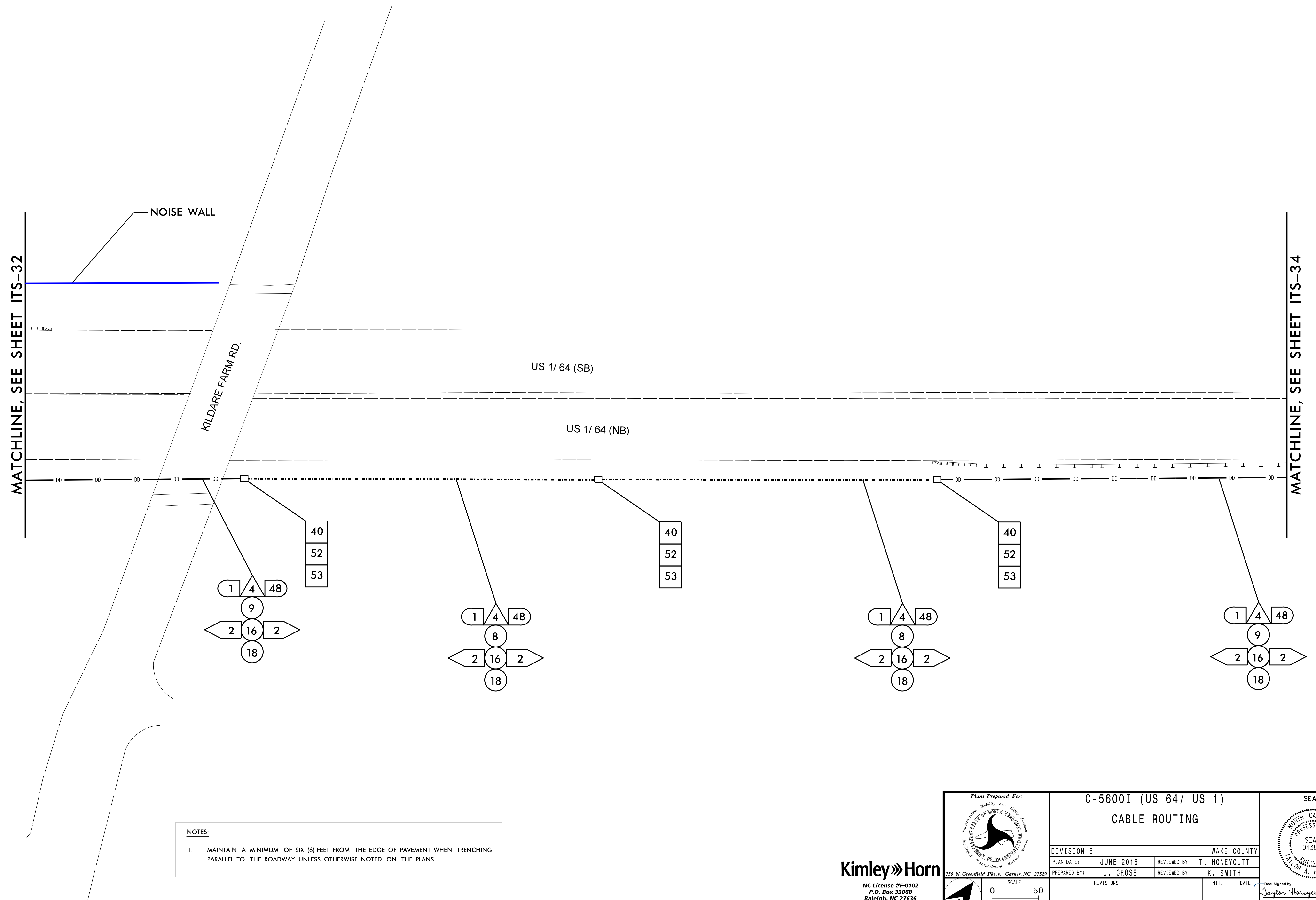
REAL



Signed by: Julia H. [Signature] 6/27/2016

Alyson Honeycutt _____
SIGNATURE DATE
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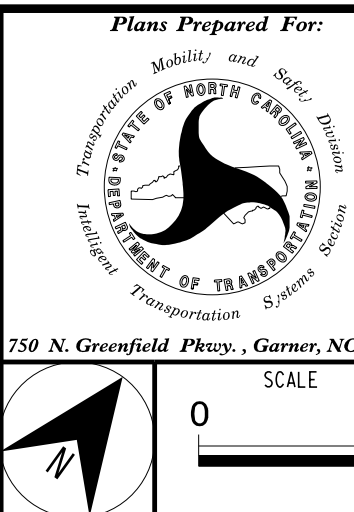


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C-5600I (US 64/ US 1)
CABLE ROUTING

DIVISION 5 WAKE COUNTY

PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT
----------------------	---------------------------

PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH
-----------------------	-----------------------

REVISED	INTL.	DATE

DocuSigned by:
7. 6/27/2016

SIGNATURE _____ DATE _____

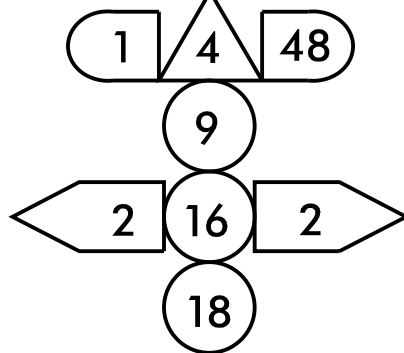
MATCHLINE, SEE SHEET ITS-33

US 1/ 64 (SB)

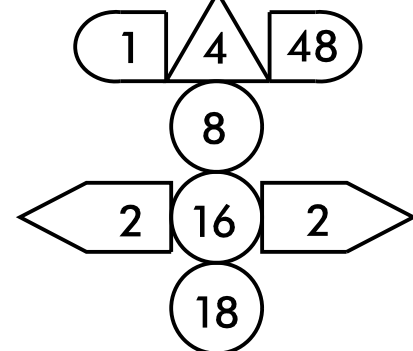
US 1/ 64 (NB)

MATCHLINE, SEE SHEET ITS-35

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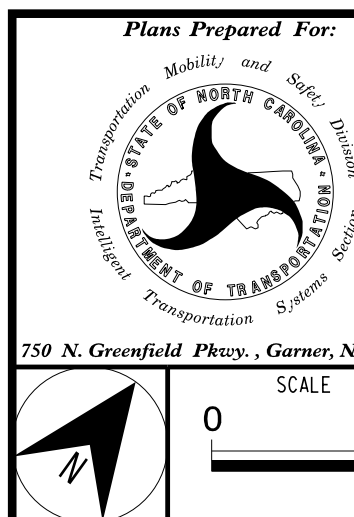


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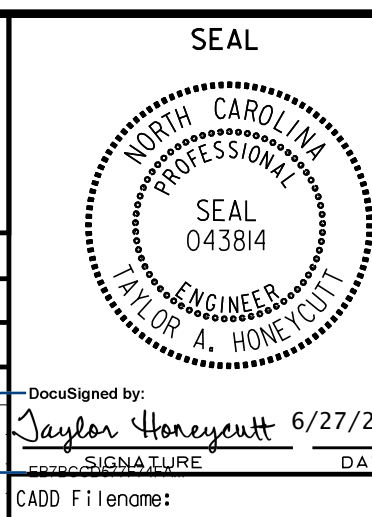
NC License #F-0102
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C-5600I (US 64/ US 1)
CABLE ROUTING

DIVISION 5		WAKE COUNTY	
PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT		
PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH		

REVISIONS	INIT.	DATE



DocuSigned by:
Taylor Honeycutt
6/27/2016
CADD Filename:

MATCHLINE, SEE SHEET ITS-34

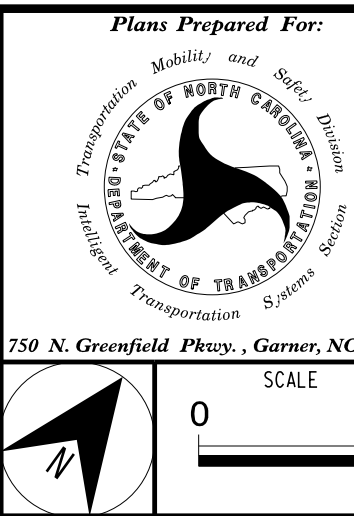
MATCHLINE, SEE SHEET ITS-36

NOTES:

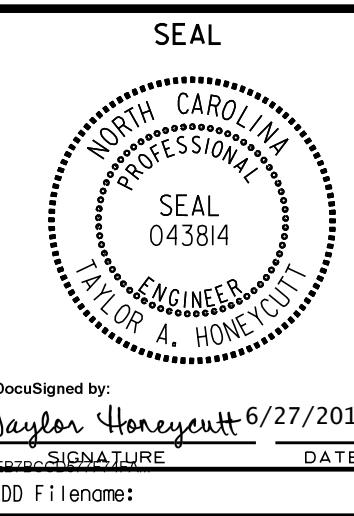
1. MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED ON THE PLANS.

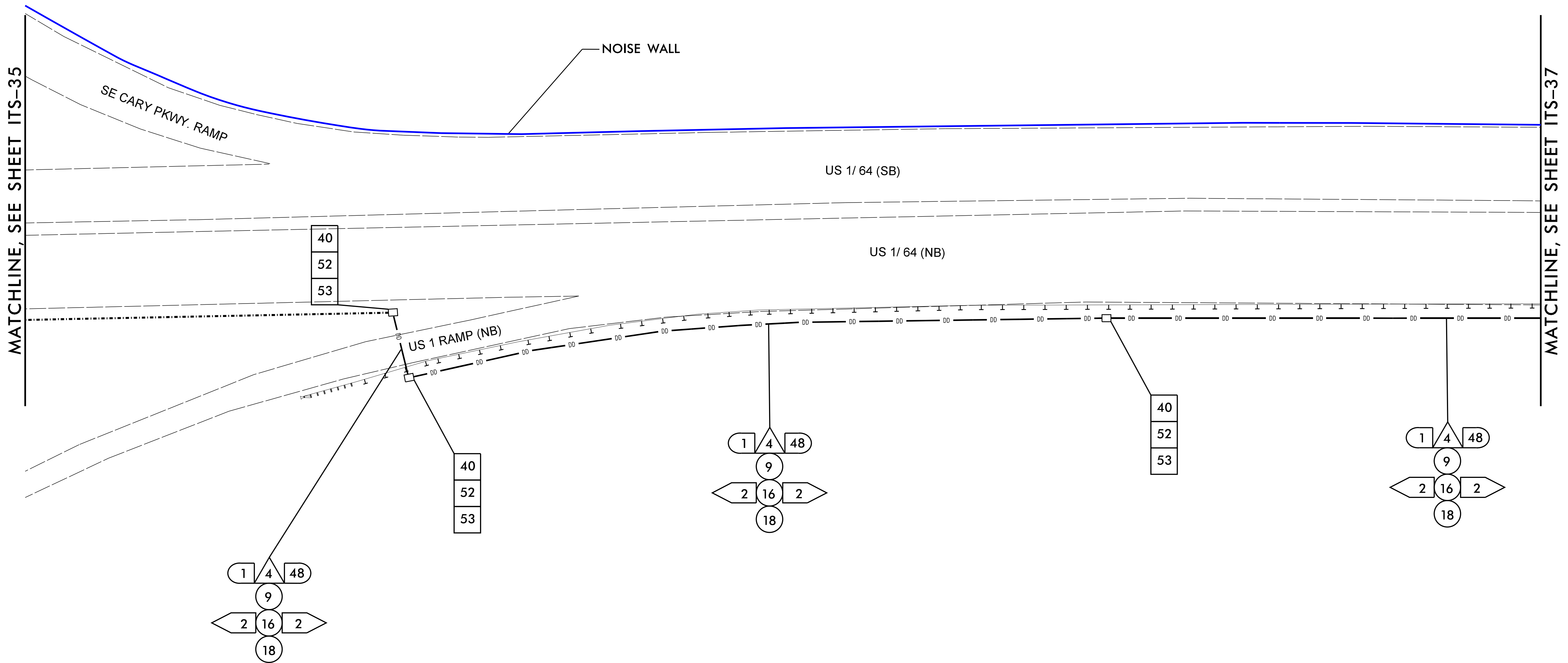
Kimley»Horn

NC License #F-0102
P.O. Box 33068
Raleigh, NC 27636
Tel: (919) 677-2000
Fax: (919) 677-2050



C-5600I (US 64/ US 1)			
CABLE ROUTING			
DIVISION 5		WAKE COUNTY	
PLAN DATE:	JUNE 2016	REVIEWED BY:	T. HONEYCUTT
PREPARED BY:	J. CROSS	REVIEWED BY:	K. SMITH
REVISIONS		INIT.	DATE



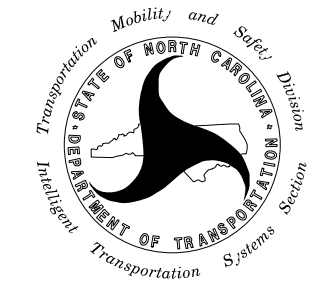
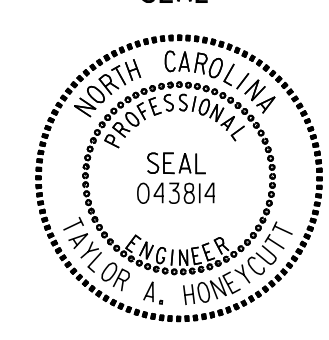


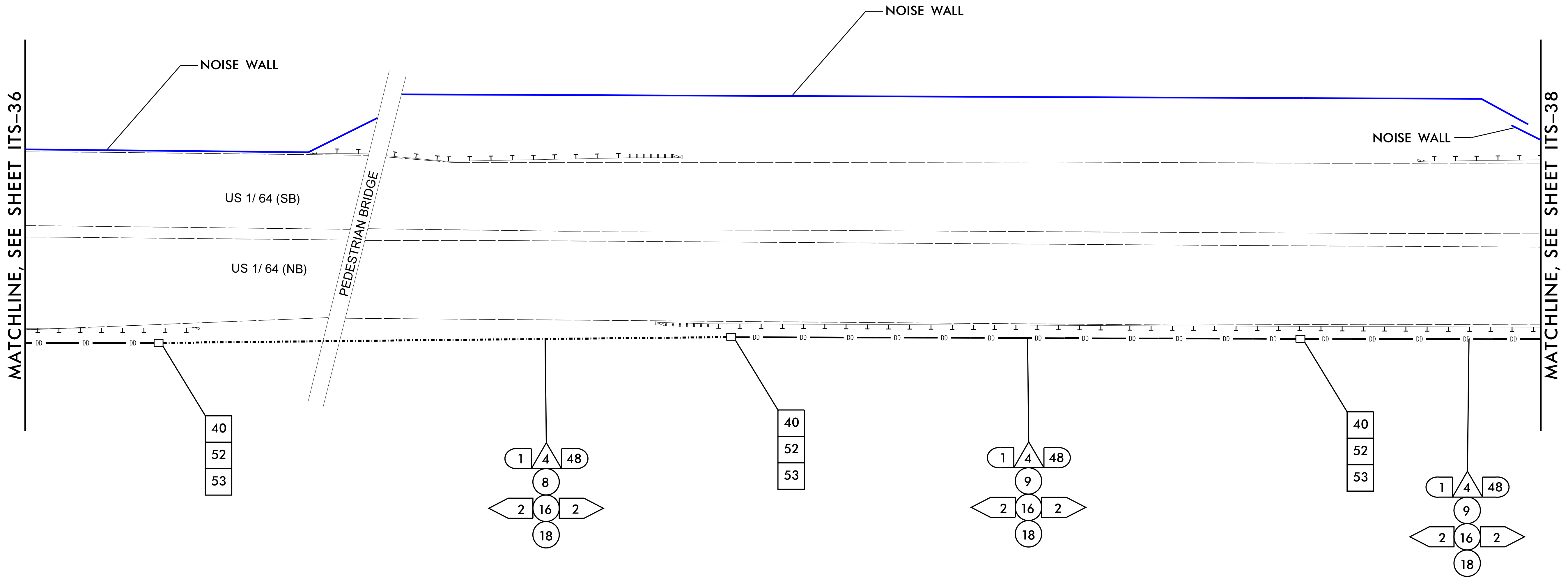
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 750 N. Greenfield Place, Garner, NC 27529	C-5600I (US 64/ US 1)		SEAL	
	CABLE ROUTING			
	DIVISION 5 WAKE COUNTY			
	PLAN DATE: JUNE 2016 REVIEWED BY: T. HONEYCUTT			
PREPARED BY: J. CROSS REVIEWED BY: K. SMITH		INIT. DATE		
REVISIONS		CADD Filename:		

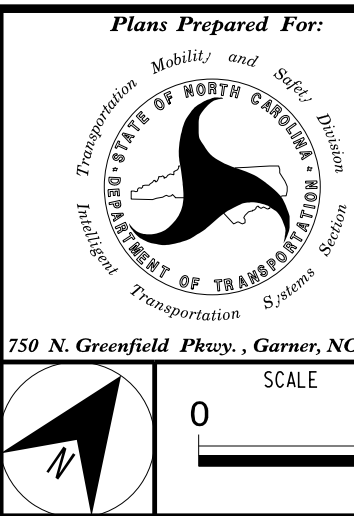


NOTES:

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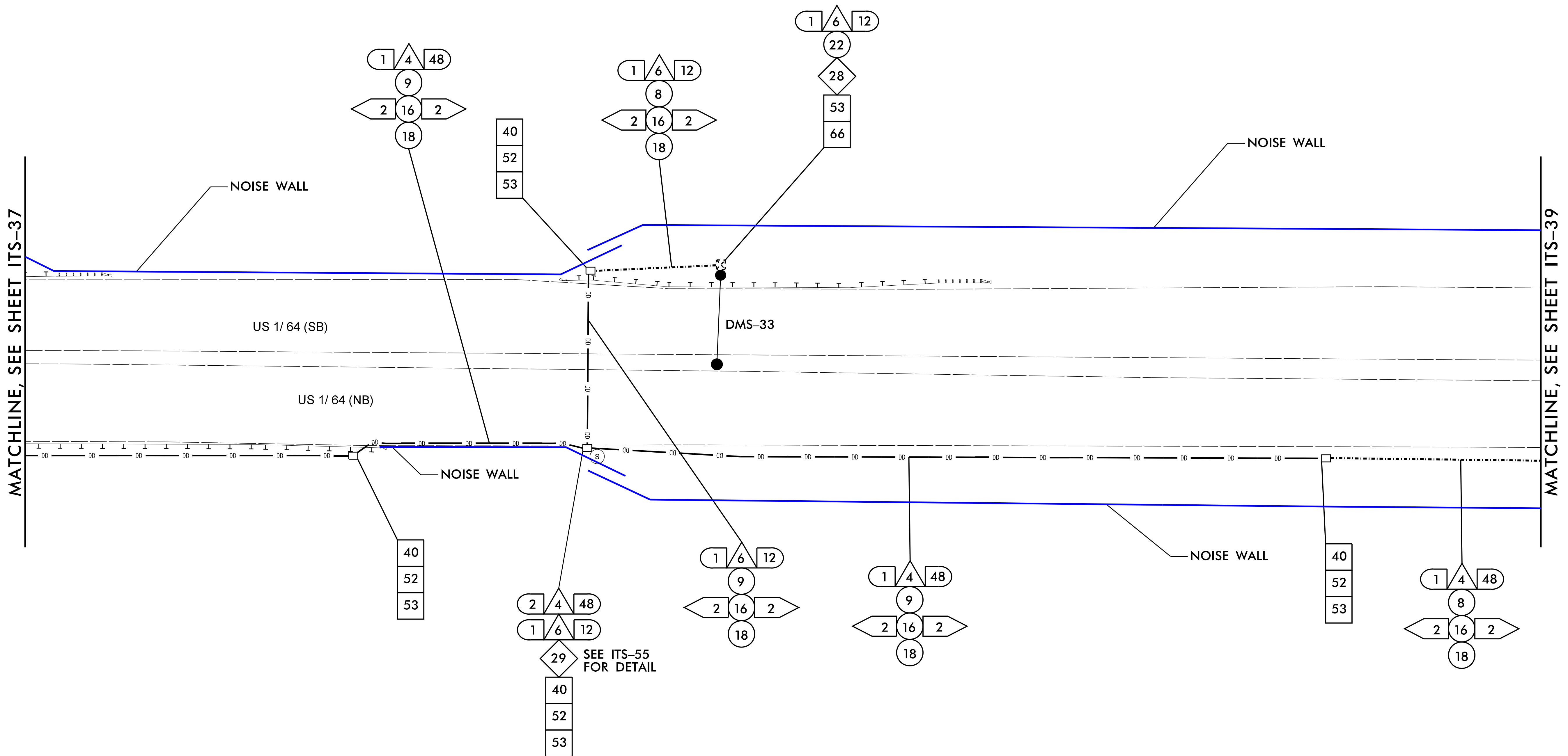
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Raleigh, NC 27636
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C-5600I (US 64/ US 1)
CABLE ROUTING

DIVISION 5		WAKE COUNTY	
PLAN DATE:	JUNE 2016	REVIEWED BY:	T. HONEYCUTT
PREPARED BY:	J. CROSS	REVIEWED BY:	K. SMITH
REVISIONS		INIT.	DATE



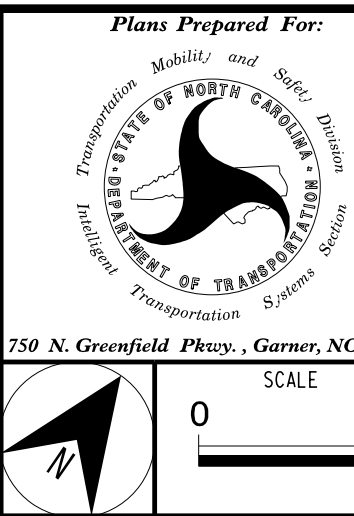


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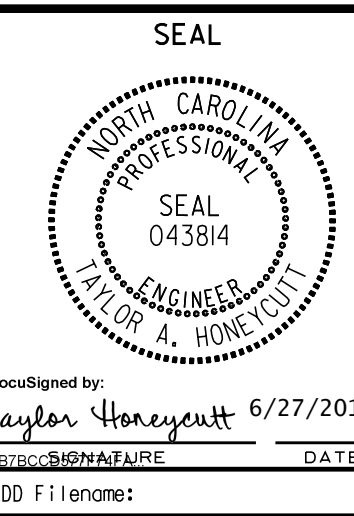
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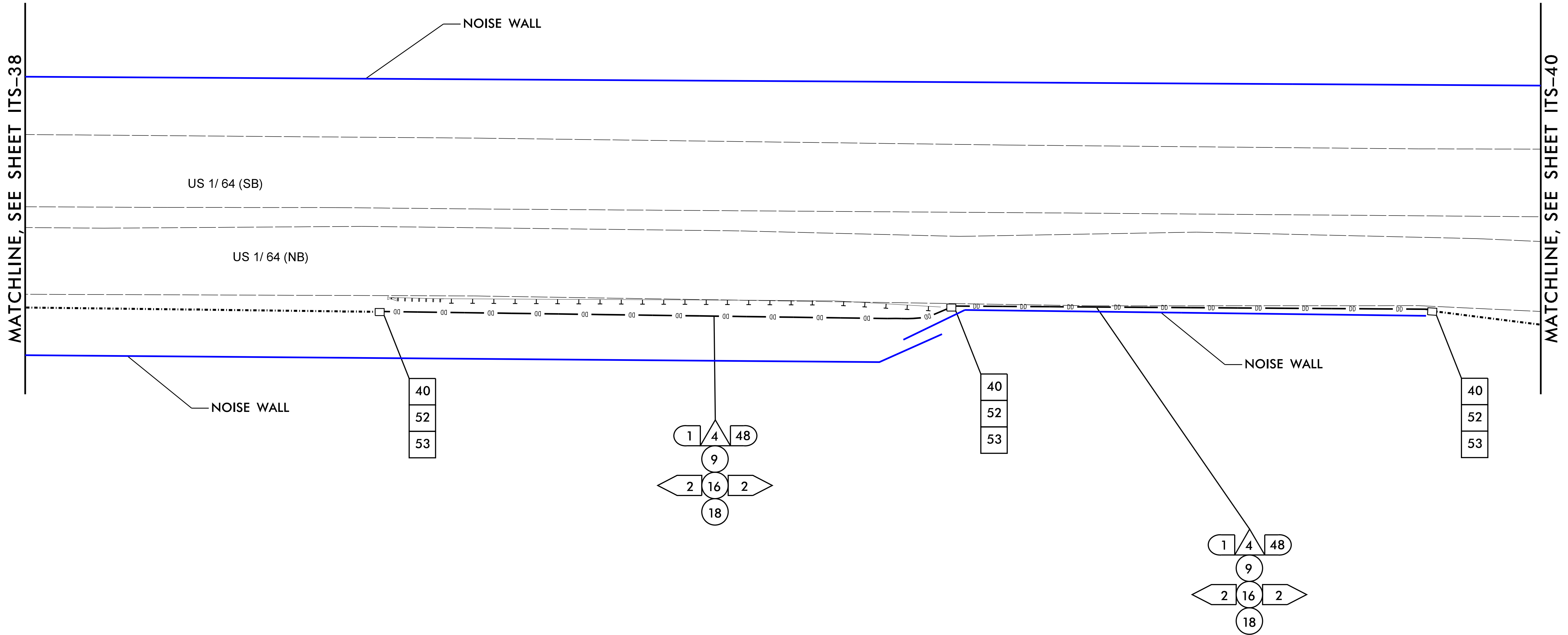
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C-5600I (US 64/ US 1)			
CABLE ROUTING			
DIVISION 5		WAKE COUNTY	
PLAN DATE:	JUNE 2016	REVIEWED BY:	T. HONEYCUTT
PREPARED BY:	J. CROSS	REVIEWED BY:	K. SMITH
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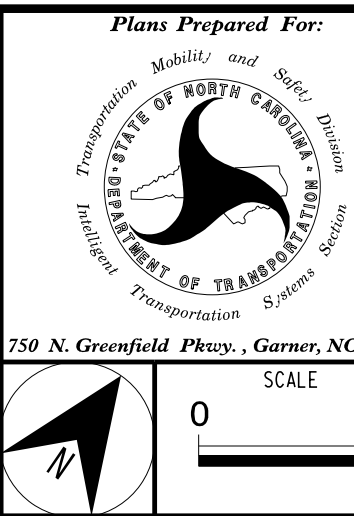


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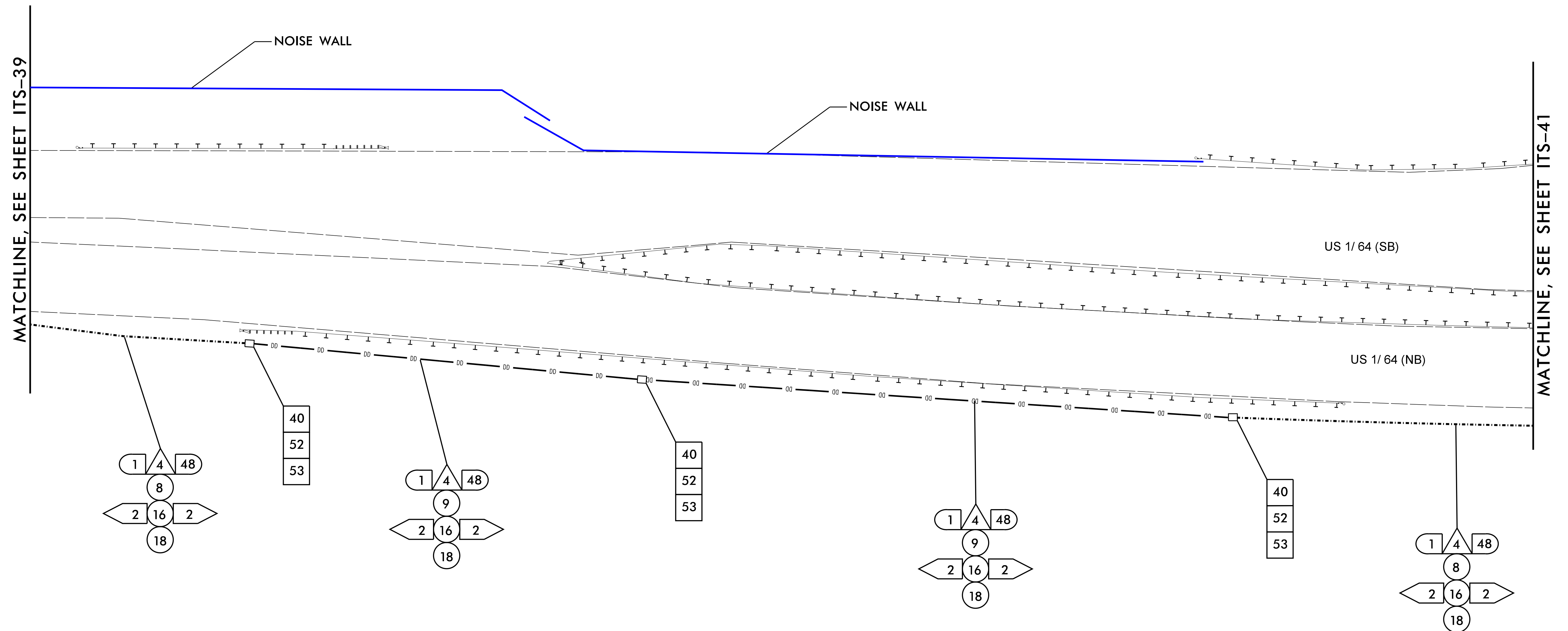
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C-5600I (US 64/ US 1)			
CABLE ROUTING			
DIVISION 5		WAKE COUNTY	
PLAN DATE:	JUNE 2016	REVIEWED BY:	T. HONEYCUTT
PREPARED BY:	J. CROSS	REVIEWED BY:	K. SMITH
REVISIONS		INIT.	DATE

SEAL	
NORTH CAROLINA PROFESSIONAL ENGINEER	
SEAL 043814	
TAYLOR A. HONEYCUTT	
DocuSigned by: Taylor A. Honeycutt	
6/27/2016	
CADD Filename:	

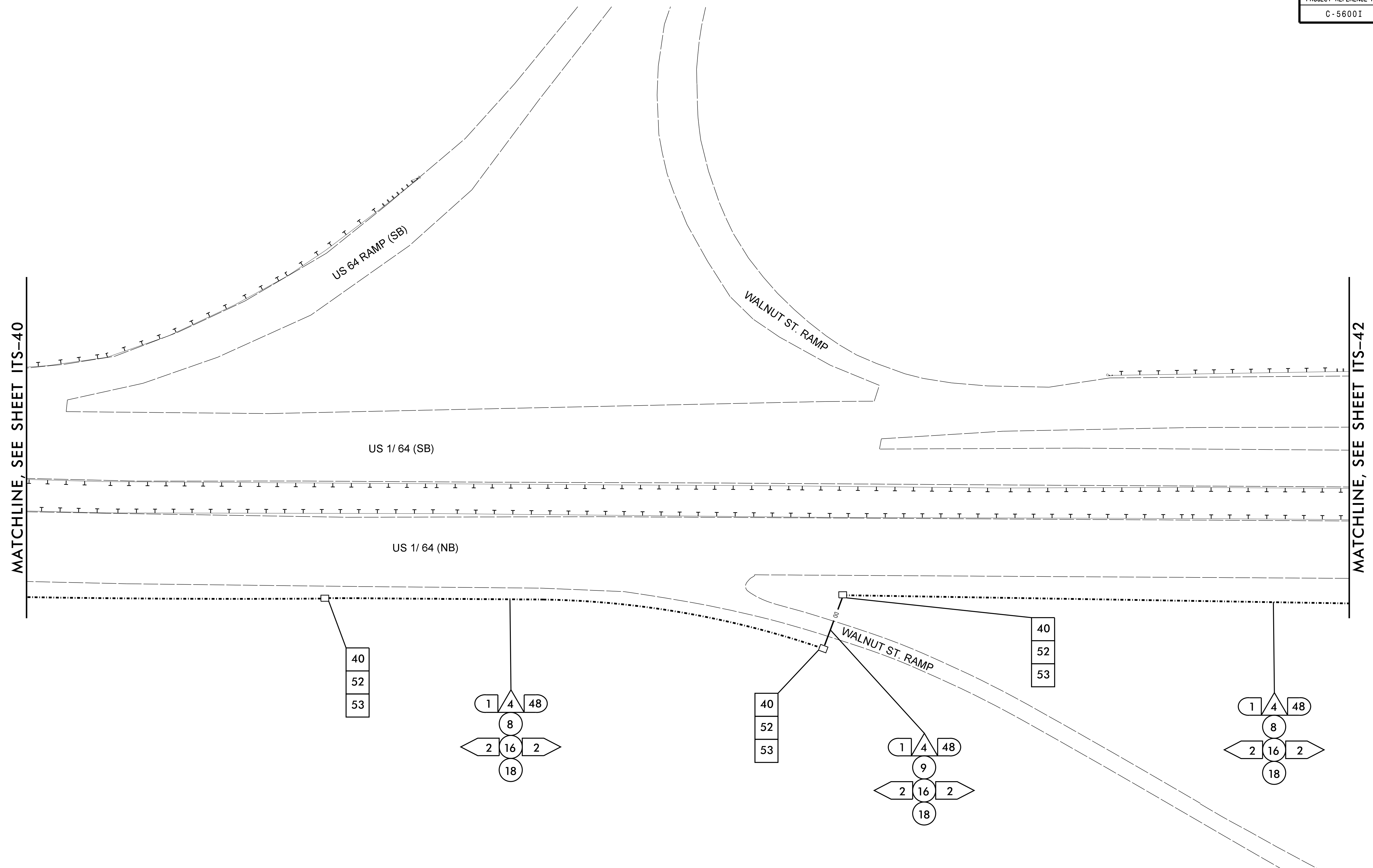


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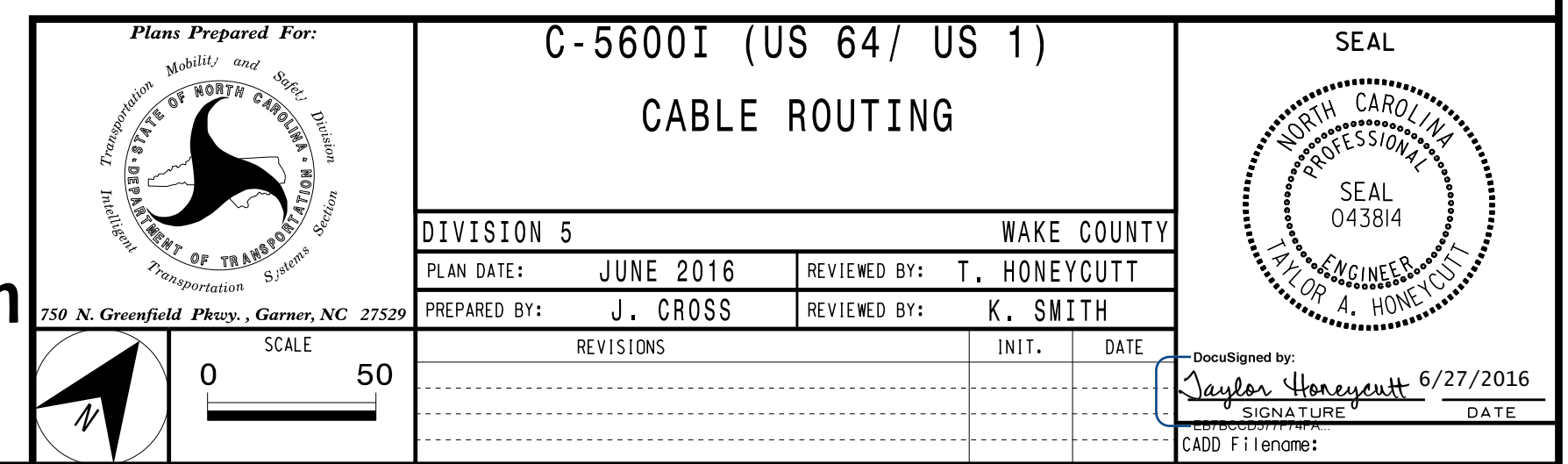
Kimley»»Horn
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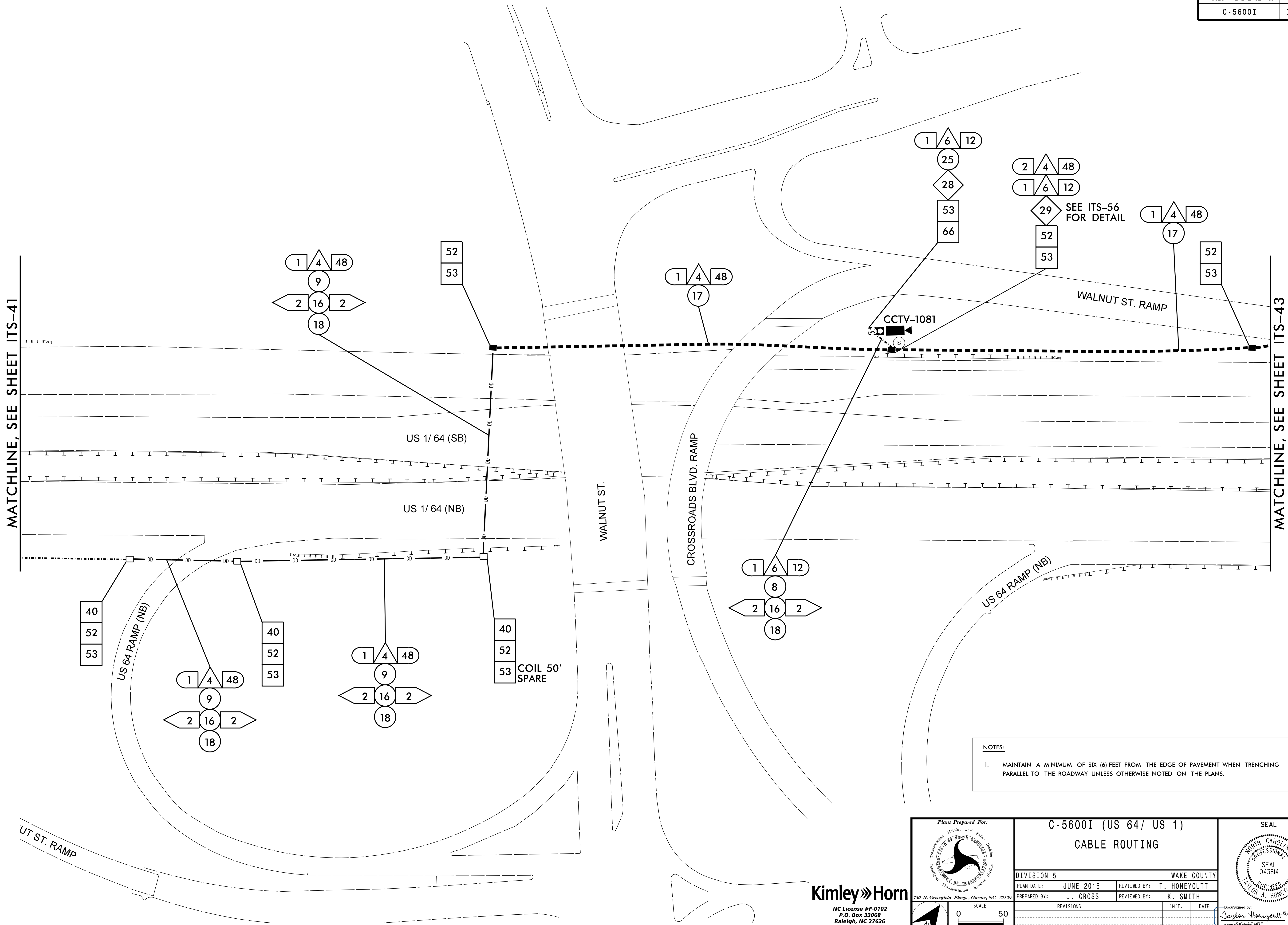
Plans Prepared For:  750 N. Greenfield Pkwy., Garner, NC 27529	C-5600I (US 64/ US 1) CABLE ROUTING	SEAL 																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="padding: 5px;">DIVISION 5</td> <td colspan="2" style="padding: 5px;">WAKE COUNTY</td> </tr> <tr> <td style="width: 25%; padding: 5px;">PLAN DATE: JUNE 2016</td> <td style="width: 25%; padding: 5px;">REVIEWED BY: T. HONEYCUTT</td> <td style="width: 25%; padding: 5px;">PREPARED BY: J. CROSS</td> <td style="width: 25%; padding: 5px;">REVIEWED BY: K. SMITH</td> </tr> <tr> <td colspan="2" style="padding: 5px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">REVISIONS</th> <th style="width: 50%;">INIT. DATE</th> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table> </td> <td colspan="2" style="padding: 5px;"> DocuSigned by: <i>Taylor Honeycutt</i> 6/27/2016 SIGNATURE _____ DATE _____ CADD Filename: _____ </td> </tr> </table>			DIVISION 5		WAKE COUNTY		PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT	PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">REVISIONS</th> <th style="width: 50%;">INIT. DATE</th> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>		REVISIONS	INIT. DATE																			DocuSigned by: <i>Taylor Honeycutt</i> 6/27/2016 SIGNATURE _____ DATE _____ CADD Filename: _____	
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- NOTES:
1. MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY UNLESS OTHERWISE NOTED ON THE PLANS.

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 Raleigh, NC 27636
 Tel: (919) 677-2000
 Fax: (919) 677-2050*



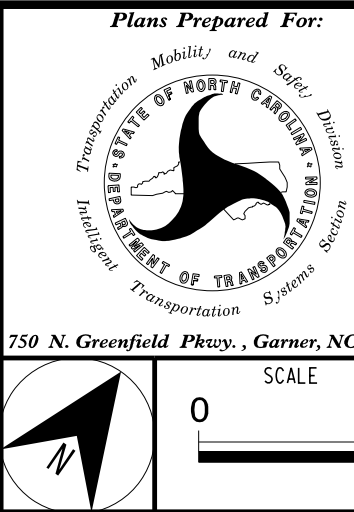


NOTES:

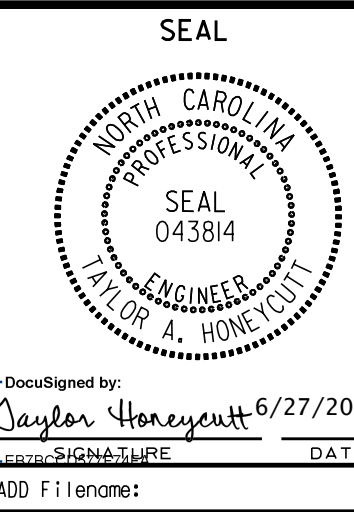
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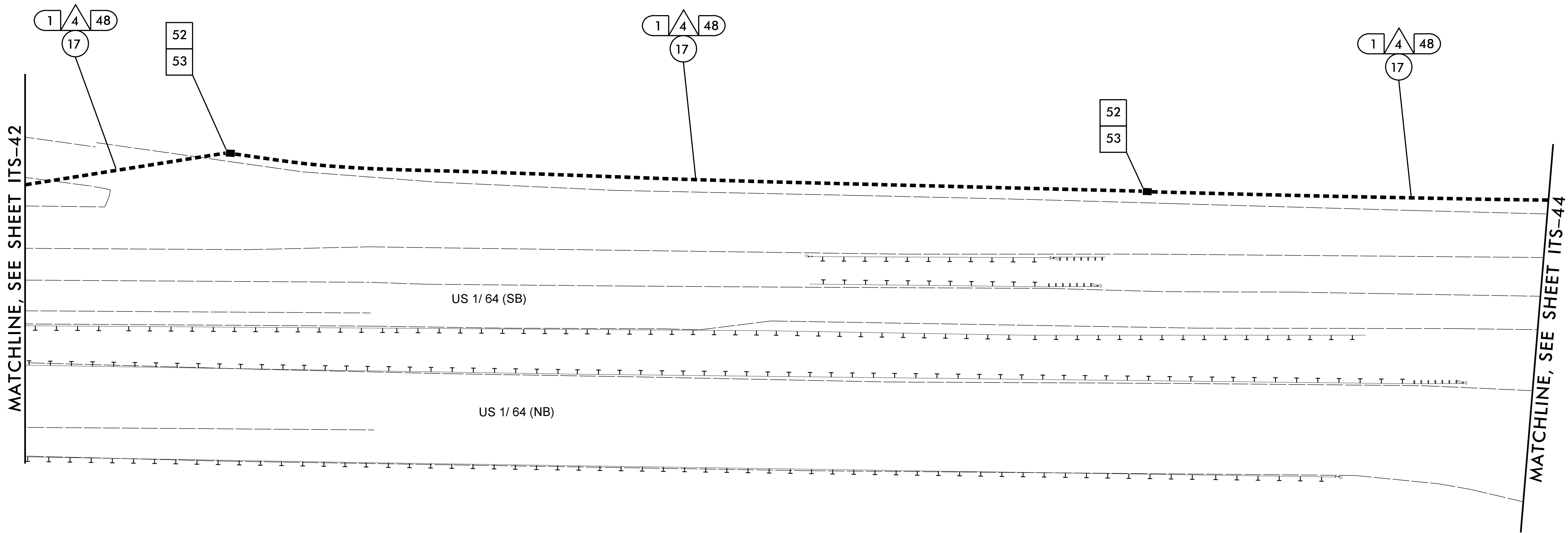
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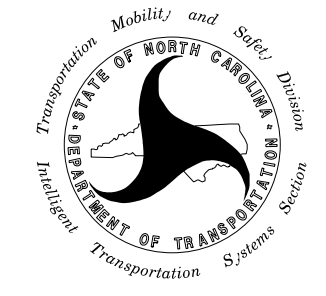
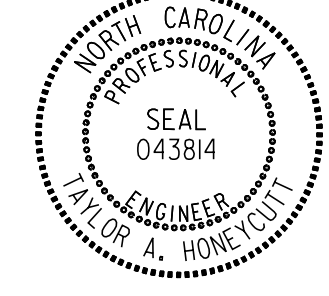
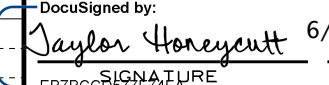
C-5600I (US 64/ US 1)			
CABLE ROUTING			
DIVISION 5		WAKE COUNTY	
PLAN DATE:	JUNE 2016	REVIEWED BY:	T. HONEYCUTT
PREPARED BY:	J. CROSS	REVIEWED BY:	K. SMITH
REVISIONS		INIT.	DATE





6/27/2016 3:51:23 PM K:\RAL\TPTD\ITS\01036326 US 1-64 ITS\04_Tasks\PlanSheet\C-5600I\ITS.pcn.43.crd.dgn

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Tel: (919) 677-2000
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 750 N. Greenfield Parkway, Garner, NC 27529	C-5600I (US 64/ US 1)		SEAL	
	CABLE ROUTING			
	DIVISION 5 WAKE COUNTY		DESIGNED BY: T. HONEYCUTT	
	PLANNED BY: J. CROSS		REVIEWED BY: K. SMITH	
REVISIONS		INIT.	DATE	DocuSigned by:  CADD Filename:

MATCHLINE, SEE SHEET ITS-43

US 1/ 64 (SB)

US 1/ 64 (NB)

TOM BRADSHAW FWY. RAMP

US 64 RAMP (NB)

US 64 RAMP (SB)

TOM BRADSHAW FWY. RAMP

EXISTING 144
SMFO CABLE

EXISTING 24
SMFO CABLE AND
12 SMFO DROP CABLE

CCTV-1030

I-40/ I-440 (EB)

I-40/ I-440 (WB)

1 4 48
17
1 4 144 EXISTING
1 4 48 NEW
1 4 24 EXISTING
1 4 12 EXISTING
29 SEE ITS-57
FOR DETAIL
53

52
53

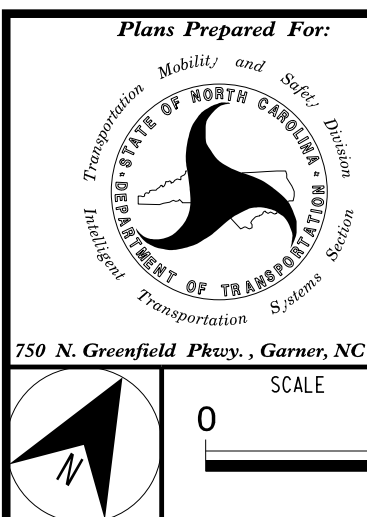
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1 4 48
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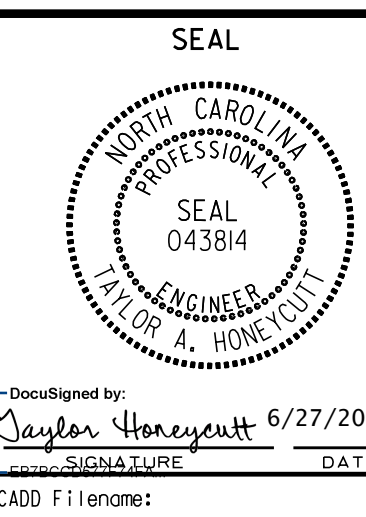
1 4 48
17

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C-5600I (US 64/ US 1)			
CABLE ROUTING			
DIVISION 5		WAKE COUNTY	
PLAN DATE:	JUNE 2016	REVIEWED BY:	T. HONEYCUTT
PREPARED BY:	J. CROSS	REVIEWED BY:	K. SMITH
REVISIONS		INIT.	DATE



DocuSigned by:
Taylor Honeycutt
6/27/2016
CADD Filename:

NEW SPLICE ENCLOSURE
NEW DMS-56
NEAR FRIENDSHIP RD.
(SEE ITS-13 FOR LOCATION)

ETHERNET SWITCH
CABINET

DROP CABLE
FROM SPLICE
ENCLOSURE

1 2 3 4 5 6 7 8 9 10 11 12

ETHERNET
SWITCH

T1
R2
T2
R1

DMS-56

COLOR CODE
TIA/EIA 598-C

- (1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE
- (7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

ETHERNET SWITCH TERMINATION CONFIGURATIONS
ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR
DETERMINING / ENSURING PROPER TERMINATION.

- X - FUSION SPLICE INDIVIDUAL FIBER
- O - EXISTING SPLICE

- EXPRESS

EXPRESS ENTIRE BUFFER TUBE
- SPLICE

SPLICE ENTIRE BUFFER TUBE

- UNUSED FIBER
- USED (LIT) FIBER

SPLICE TRAY

CAP AND SEAL

CAP AND SEAL

CAP AND SEAL

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

PROPOSED 12 FIBER
DROP TO ETHERNET
SWITCH AT DMS-56

PROPOSED 48 SMFO
CABLE TO CCTV-1072

48 FIBERS IN 4 BUFFER TUBES

Kimley»Horn

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Raleigh, NC 27636
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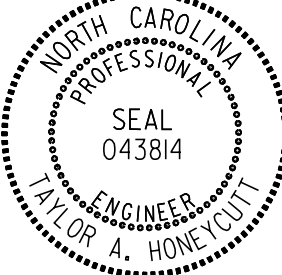
C-5600I (US 64/ US 1)

SPLICE DETAIL

DIVISION 5 WAKE COUNTY
PLAN DATE: JUNE 2016 REVIEWED BY: T. HONEYCUTT
PREPARED BY: J. CROSS REVIEWED BY: K. SMITH

REVISIONS
INIT. DATE
DocuSigned by:
Taylor A. Honeycutt 6/27/2016
CADD Filename:

SEAL



NEW SPLICE ENCLOSURE
EXISTING CCTV 1072
NEAR FRIENDSHIP RD.
(SEE ITS-13 FOR LOCATION)

ETHERNET SWITCH
CABINET

DROP CABLE
FROM SPLICE
ENCLOSURE

1 2 3 4 5 6 7 8 9 10 11 12

ETHERNET
SWITCH

T1
R2
T2
R1

CCTV-1072

COLOR CODE
TIA/EIA 598-C

- (1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE
- (7) RED

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LEGEND

ETHERNET SWITCH TERMINATION CONFIGURATIONS
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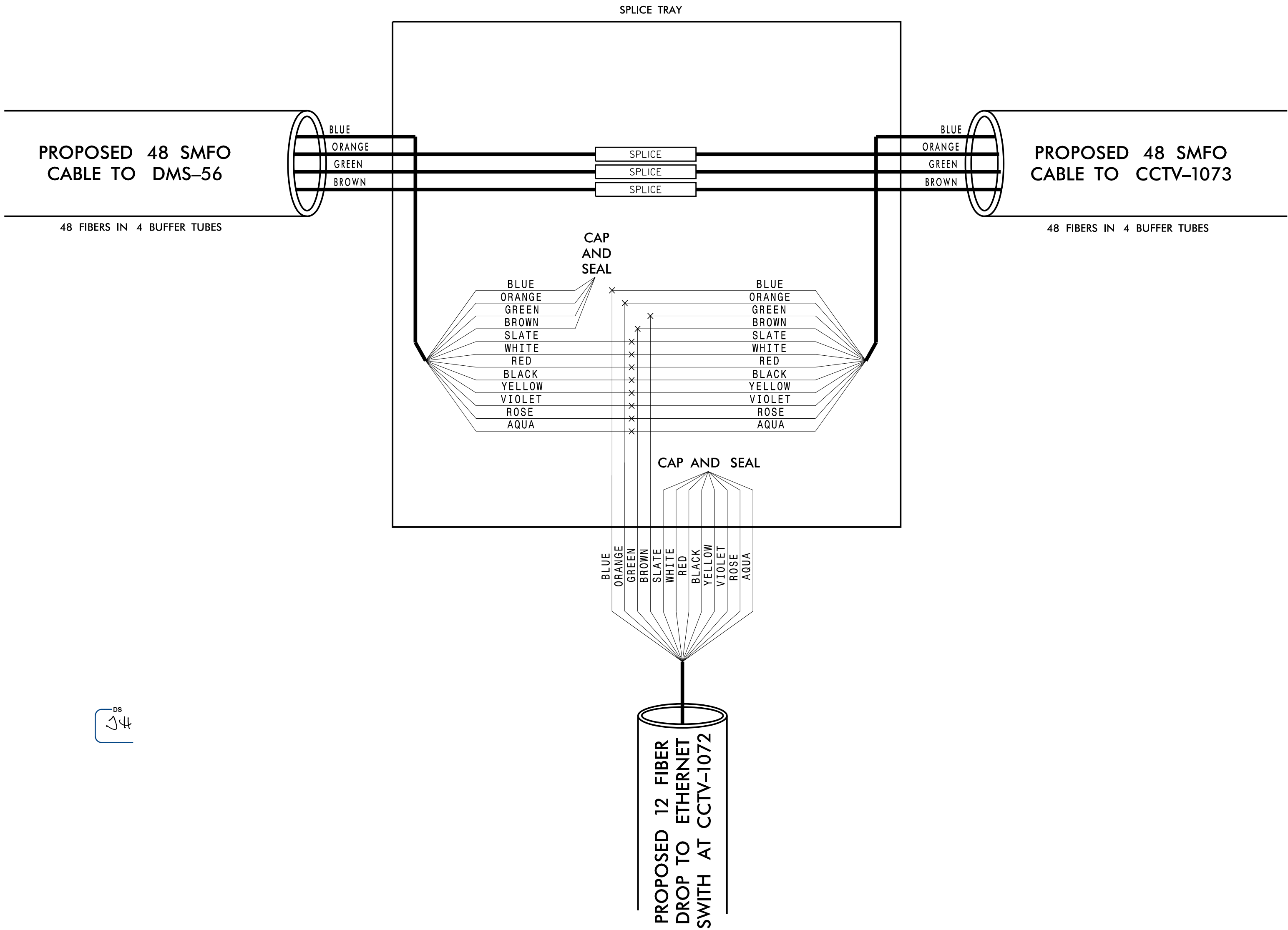
- X - FUSION SPLICE INDIVIDUAL FIBER
- O - EXISTING SPLICE

- EXPRESS

EXPRESS ENTIRE BUFFER TUBE
- SPLICE

SPLICE ENTIRE BUFFER TUBE

- UNUSED FIBER
- USED (LIT) FIBER

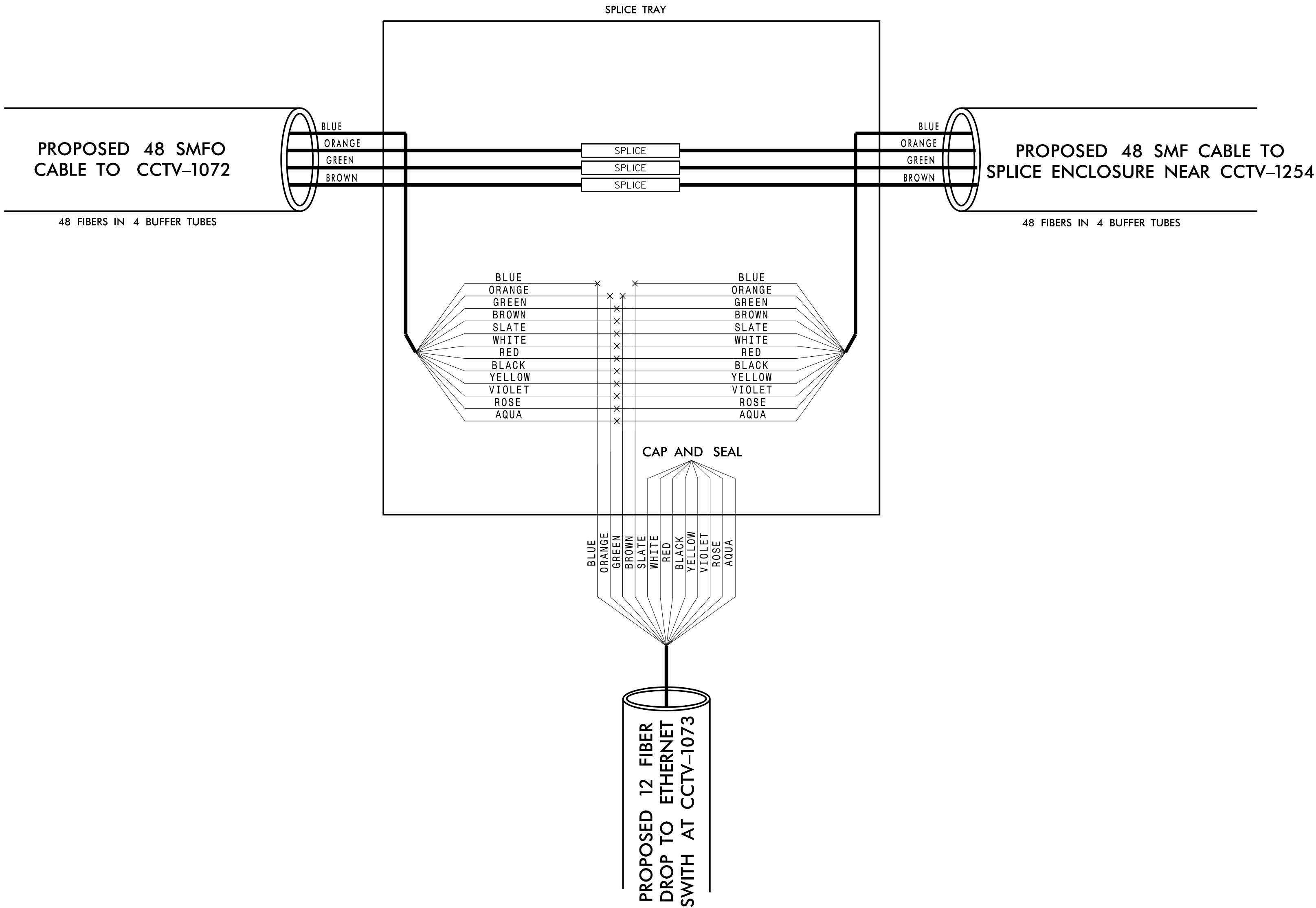


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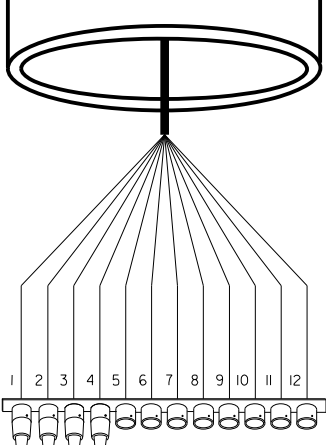
Plans Prepared For: WAKE COUNTY Department of Transportation 750 N. Greenfield Place, Garner, NC 27529	C-5600I (US 64/ US 1)		SEAL NORTH CAROLINA PROFESSIONAL SEAL 043814 ENGINEER TAYLOR A. HONEYCUTT
	SPLICE DETAIL		
	DIVISION 5 WAKE COUNTY		
	PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT	
PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH	INIT. DATE	
REVISIONS		CADD File name:	

NEW SPLICE ENCLOSURE
NEW CCTV-1073
SOUTH OF NC-540
(SEE ITS-18 FOR LOCATION)

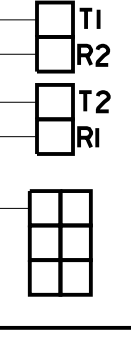


ETHERNET SWITCH CABINET

DROP CABLE FROM SPLICE ENCLOSURE



ETHERNET SWITCH



CCTV-1073

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

ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.

- X - FUSION SPLICE INDIVIDUAL FIBER
O - EXISTING SPLICE

- EXPRESS EXPRESS ENTIRE BUFFER TUBE
SPLICE SPLICE ENTIRE BUFFER TUBE

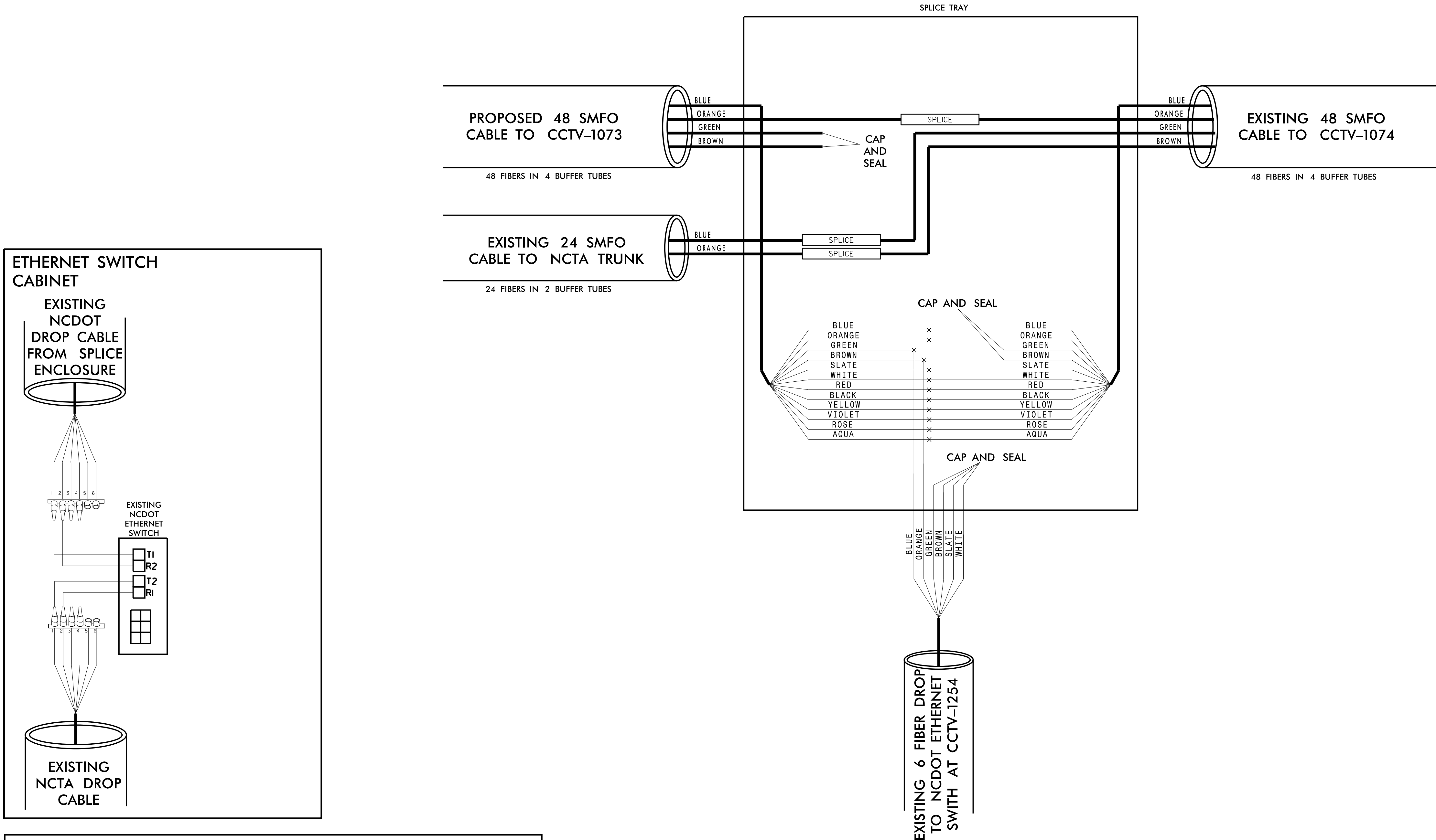
- UNUSED FIBER
● USED (LIT) FIBER

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	C-5600I (US 64/ US 1)		
	SPlice DETAIL		
	DIVISION 5 WAKE COUNTY		
	PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT	
PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH	INIT. DATE	
REVISIONS		CADD File name:	

EXISTING SPLICE ENCLOSURE
EXISTING CCTV-1254
AT NC-540
(SEE ITS-20 FOR LOCATION)



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

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X - FUSION SPLICE INDIVIDUAL FIBER
O - EXISTING SPLICE

EXPRESS

EXPRESS ENTIRE BUFFER TUBE

SPLICE

SPLICE ENTIRE BUFFER TUBE

○

UNUSED FIBER

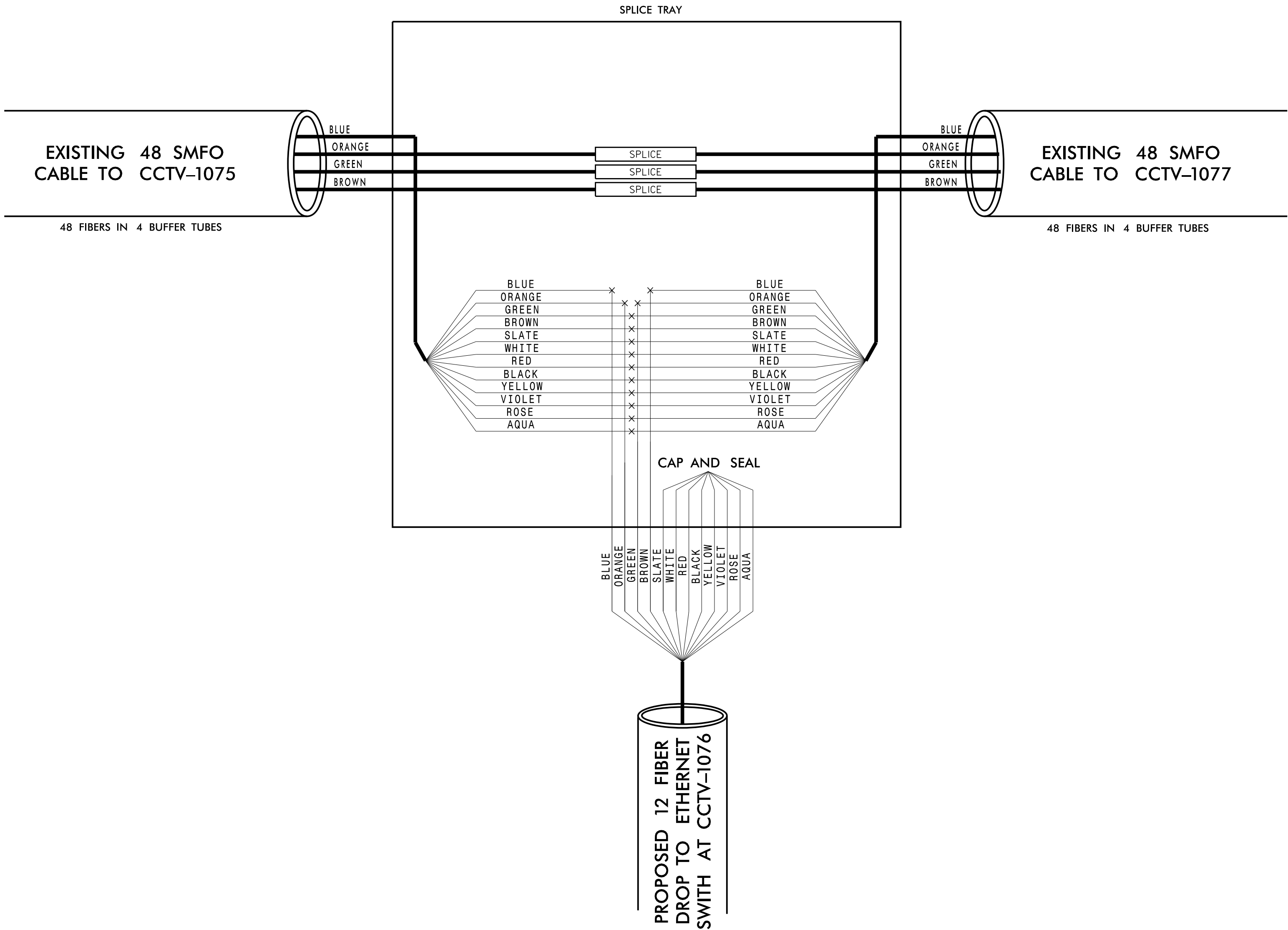
●

USED (LIT) FIBER

Kimley»Horn
NC License #F-0102
P.O. Box 33068
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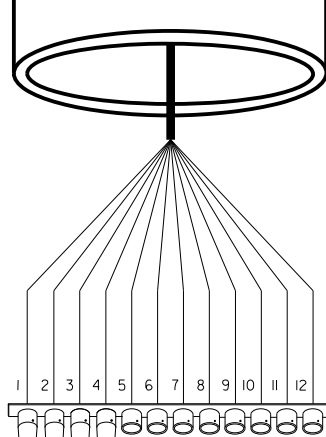
	C-5600I (US 64/ US 1)		
	SPLICE DETAIL		
	DIVISION 5 WAKE COUNTY		
	PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT	
	PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH	
REVISIONS	INIT.	DATE	DocuSigned by: Taylor A. Honeycutt 6/27/2016 CADD Filename:

NEW SPLICE ENCLOSURE
NEW CCTV-1076
SOUTH OF TEN TEN RD.
(SEE ITS-21 FOR LOCATION)

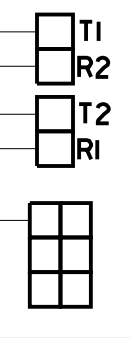


ETHERNET SWITCH
CABINET

DROP CABLE
FROM SPLICE
ENCLOSURE



ETHERNET
SWITCH



CCTV-1076

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

ETHERNET SWITCH TERMINATION CONFIGURATIONS
ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR
DETERMINING / ENSURING PROPER TERMINATION.

- X - FUSION SPLICE INDIVIDUAL FIBER
O - EXISTING SPLICE

- EXPRESS EXPRESS ENTIRE BUFFER TUBE
SPLICE SPLICE ENTIRE BUFFER TUBE

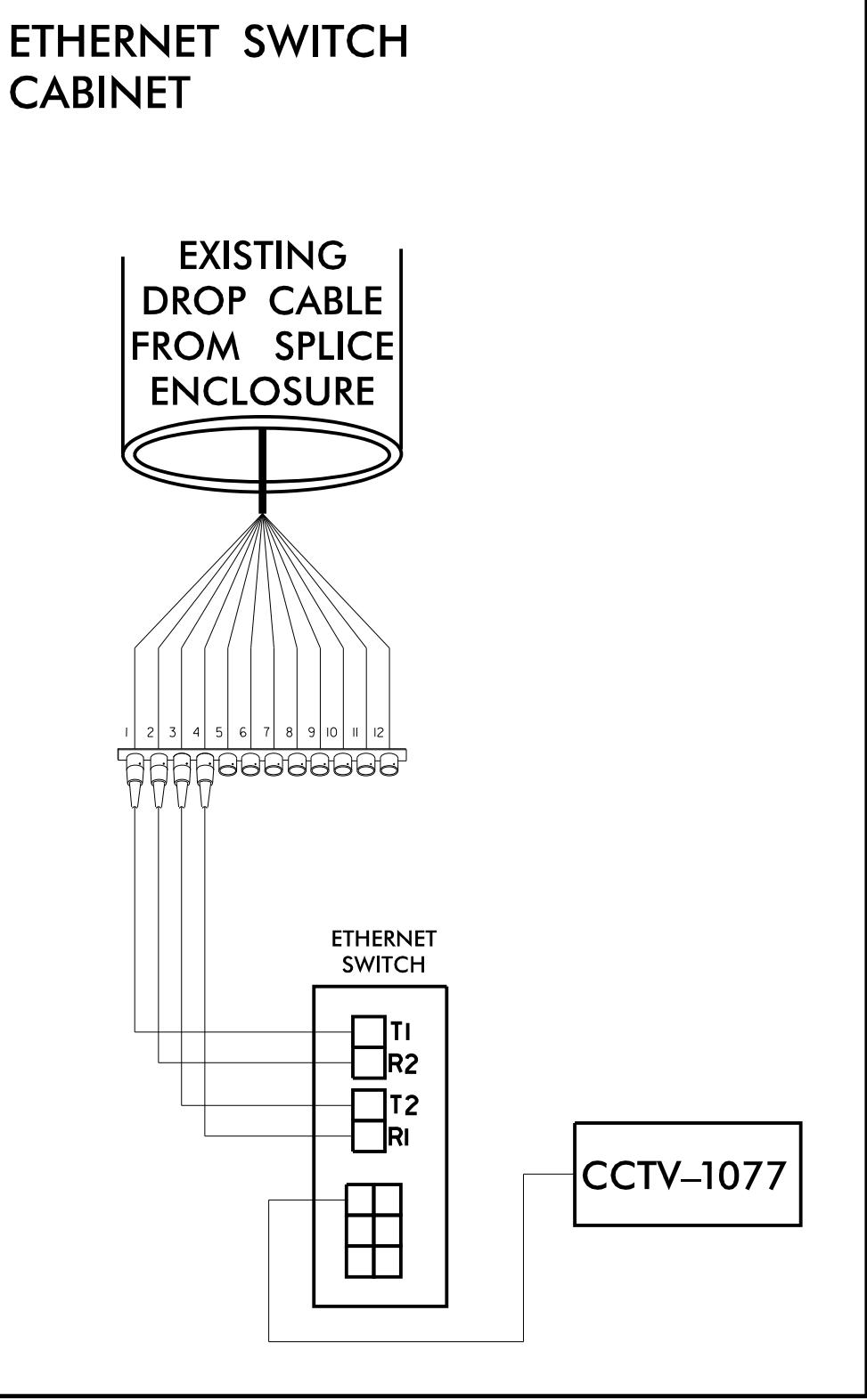
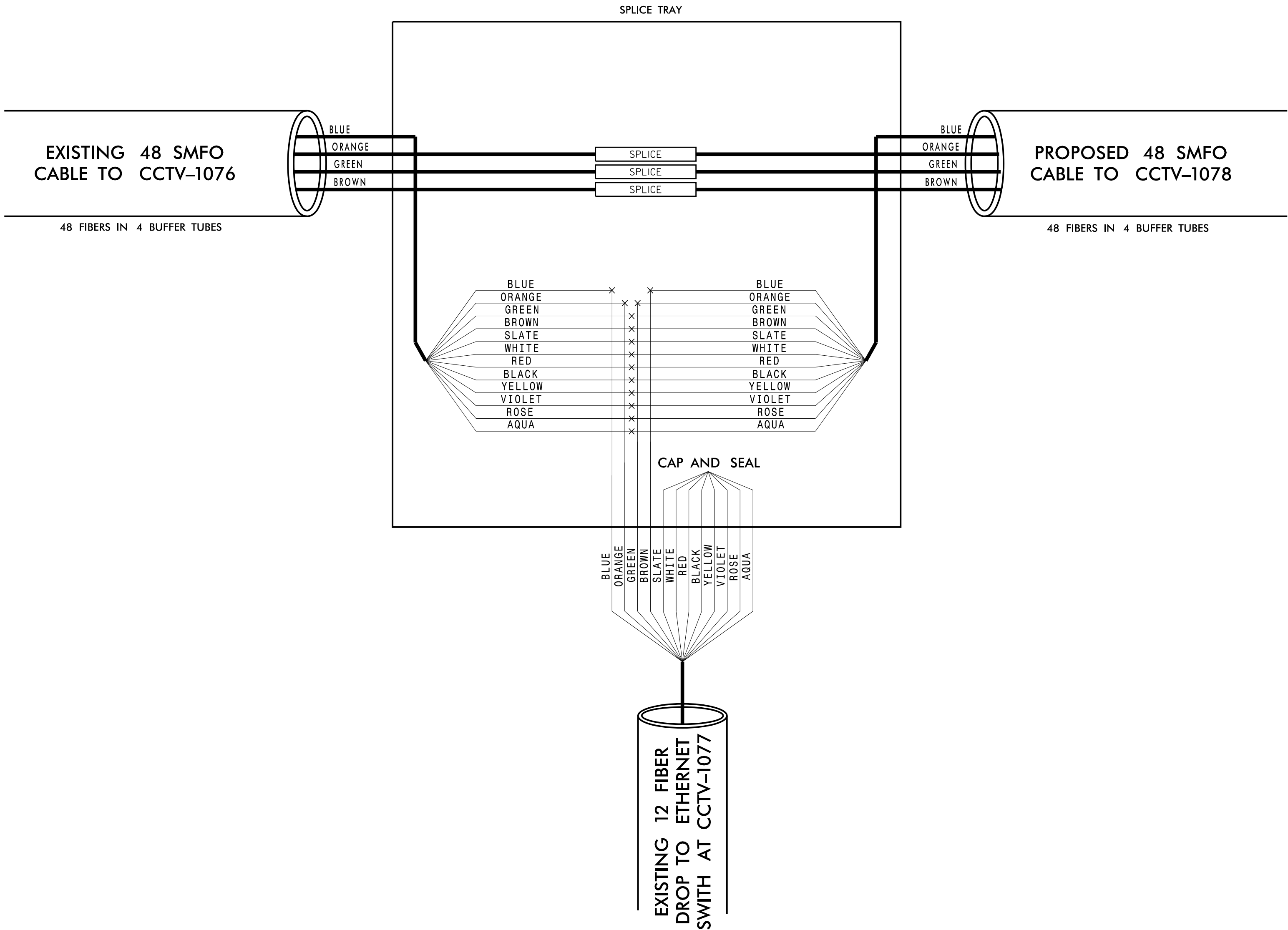
- UNUSED FIBER
● USED (LIT) FIBER

Kimley»Horn

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Raleigh, NC 27636
Tel: (919) 677-2000
Fax: (919) 677-2050

Plans Prepared For: WAKE COUNTY 750 N. Greenfield Place, Garner, NC 27529	C-5600I (US 64/ US 1)		SEAL NORTH CAROLINA PROFESSIONAL SEAL 043814 ENGINEER TAYLOR A. HONEYCUTT
	SPLICE DETAIL		
	DIVISION 5 WAKE COUNTY		
	PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT	
	PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH	
REVISIONS		INIT.	DATE
0			
SCALE		DocuSigned by: Taylor Honeycutt 6/27/2016	
		SIGNATURE DATE	
		CADD Filename:	

EXISTING SPLICE ENCLOSURE
EXISTING CCTV-1077
AT TEN TEN RD.
(SEE ITS-22 FOR LOCATION)



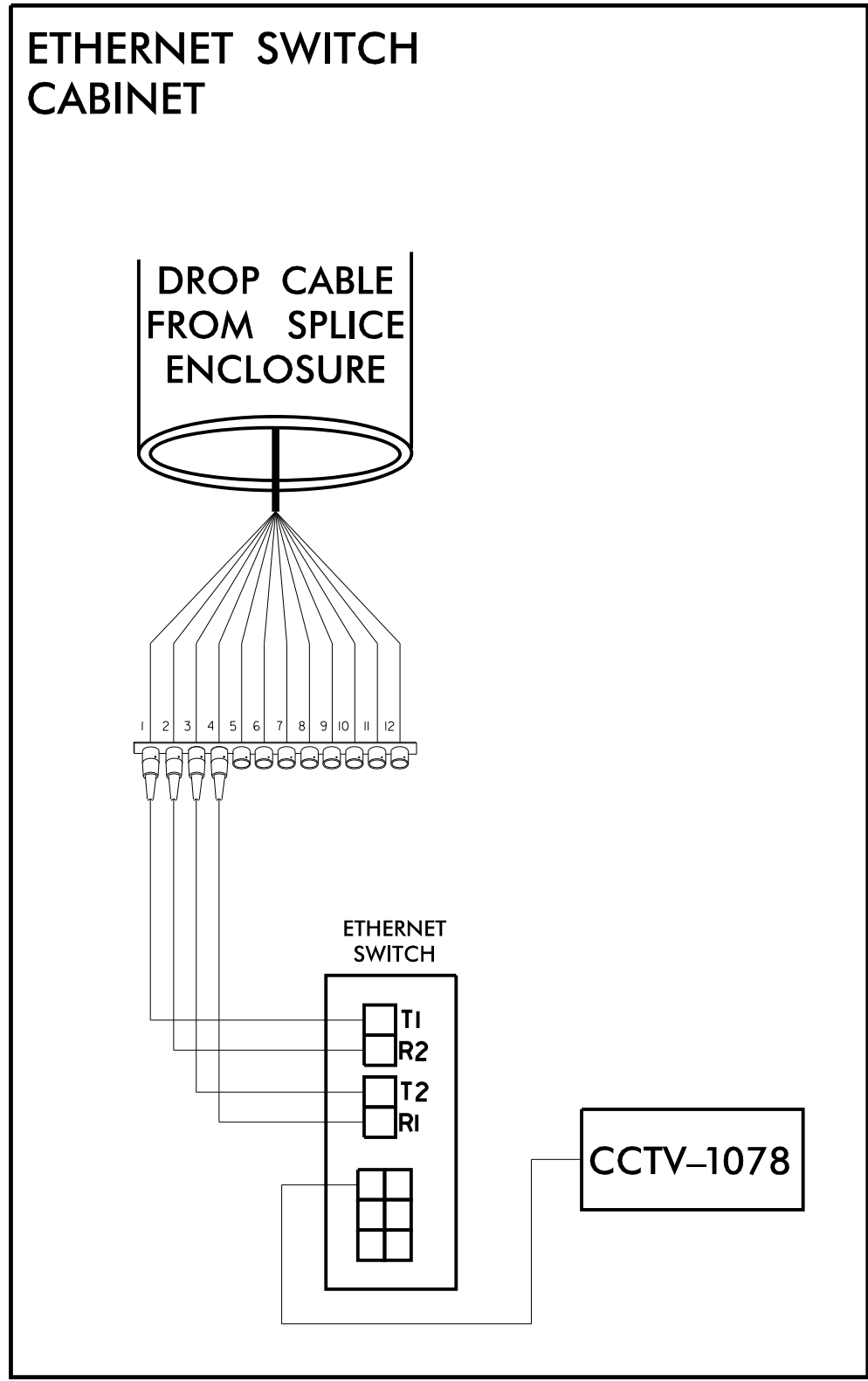
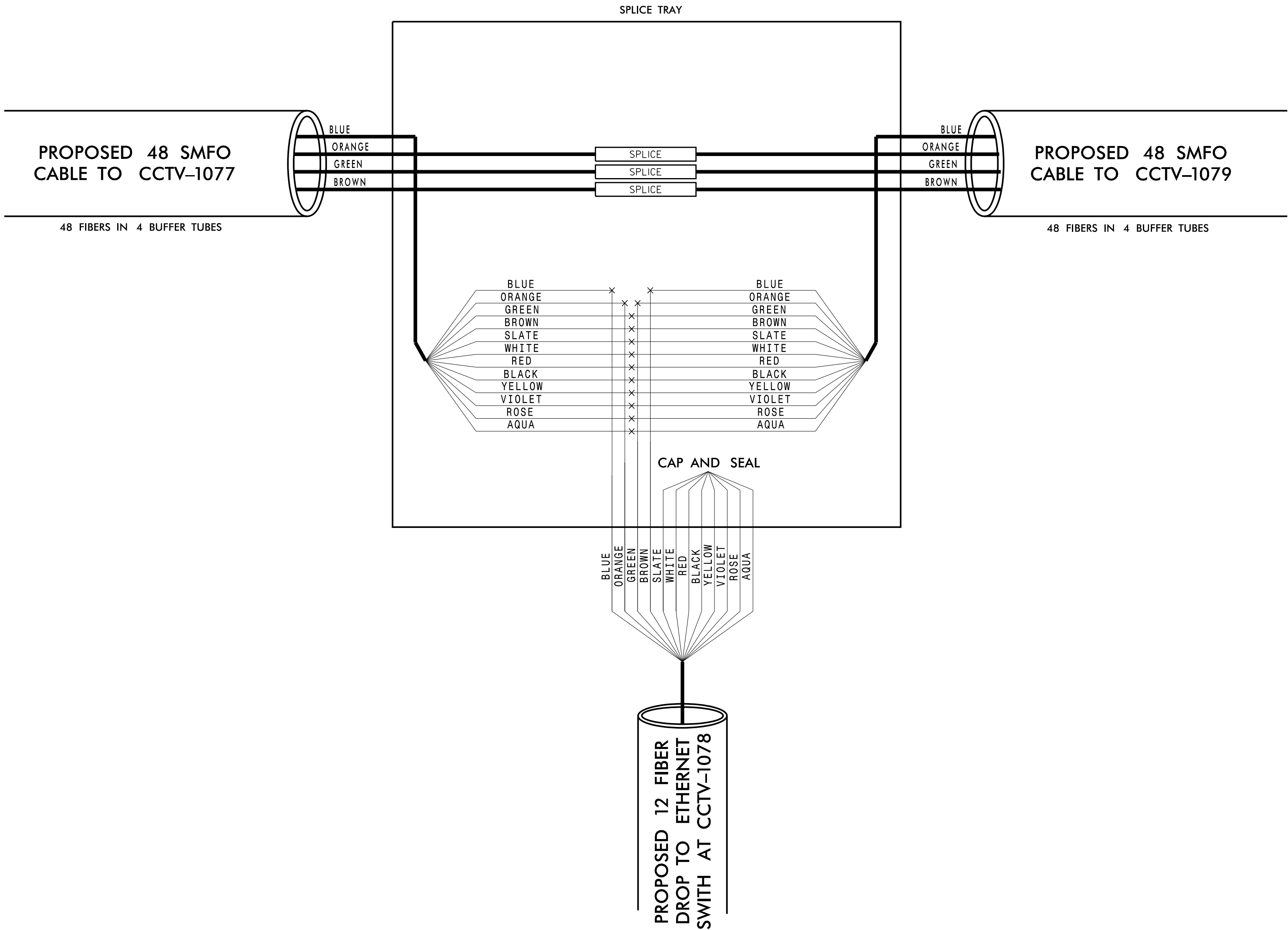
COLOR CODE TIA/EIA 598-C	LEGEND
(1) BLUE (7) RED	ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.
(2) ORANGE (8) BLACK	X - FUSION SPLICE INDIVIDUAL FIBER
(3) GREEN (9) YELLOW	O - EXISTING SPLICE
(4) BROWN (10) VIOLET	EXPRESS EXPRESS ENTIRE BUFFER TUBE
(5) SLATE (11) ROSE	SPLICE SPLICE ENTIRE BUFFER TUBE
(6) WHITE (12) AQUA	○ UNUSED FIBER
	● USED (LIT) FIBER

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	C-5600I (US 64/ US 1)		
	SPLICE DETAIL		
	DIVISION 5 WAKE COUNTY		
	PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT	
PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH	INIT. DATE	
REVISIONS		CADD File name:	

NEW SPLICE ENCLOSURE
NEW CCTV-1078
SOUTH OF TRYON RD.
(SEE ITS-26 FOR LOCATION)



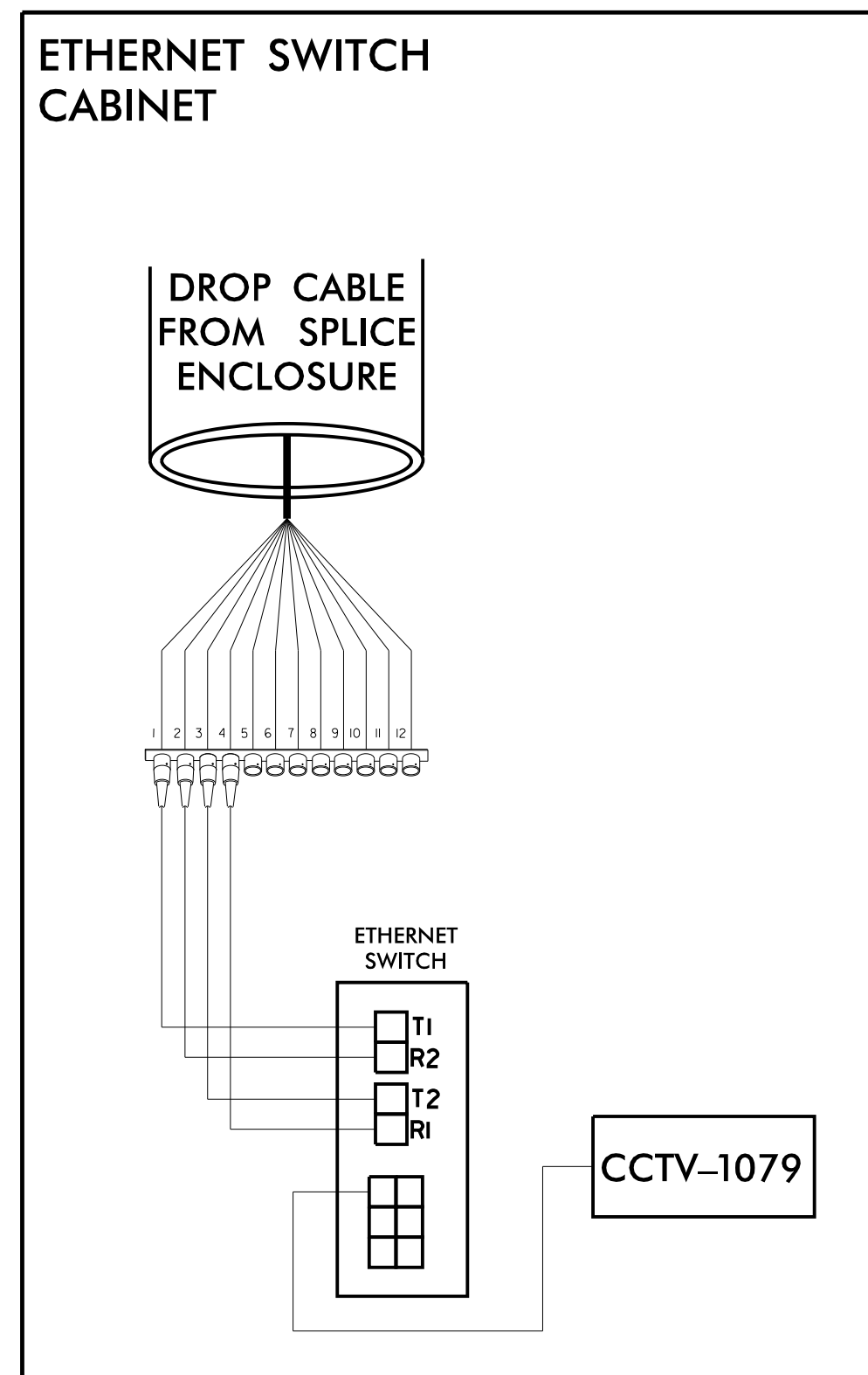
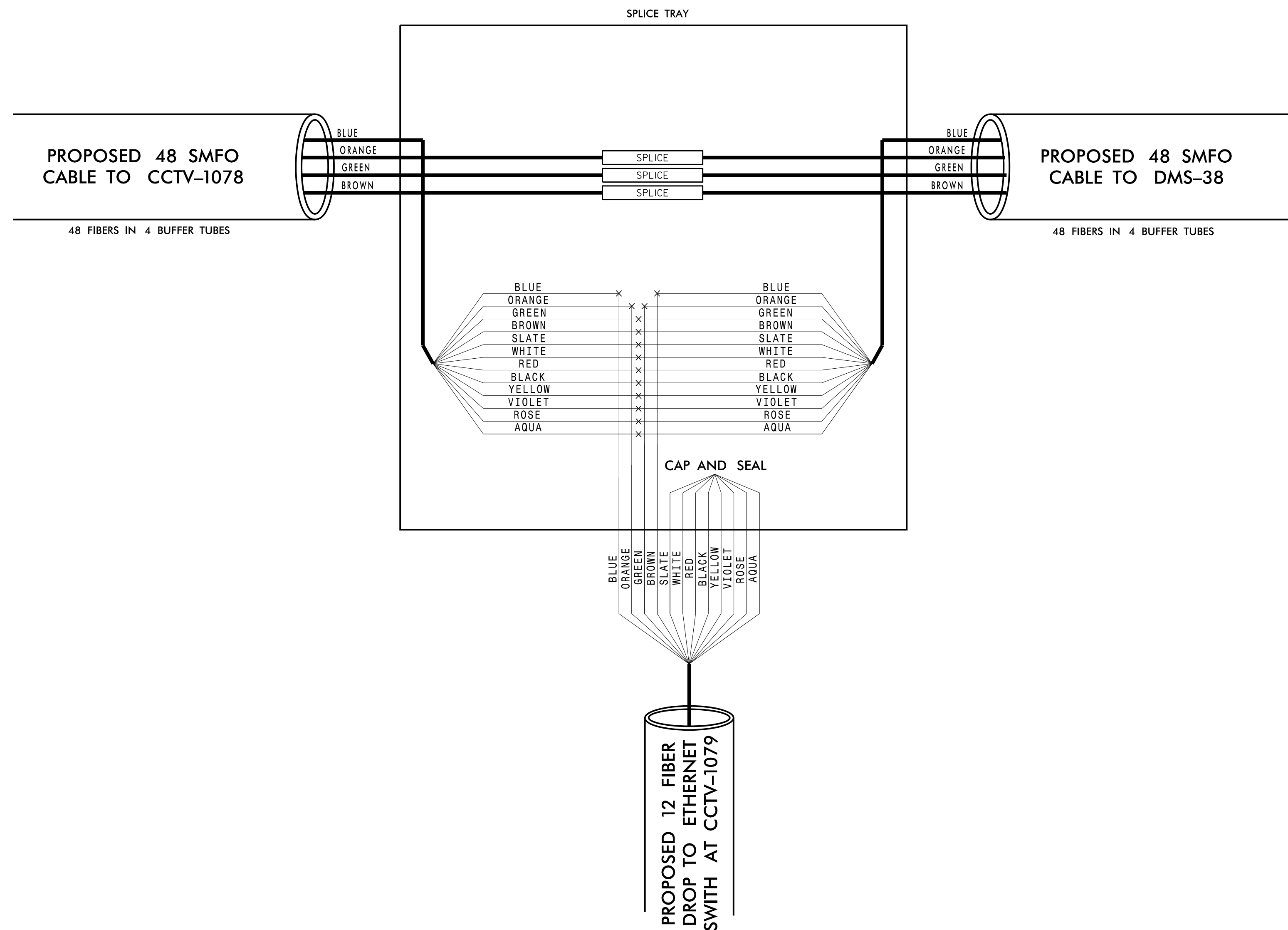
COLOR CODE TIA/EIA 598-C		LEGEND	
(1) BLUE	(7) RED	ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION.	
(2) ORANGE	(8) BLACK	X - FUSION SPLICE INDIVIDUAL FIBER	
(3) GREEN	(9) YELLOW	O - EXISTING SPLICE	
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		
		EXPRESS EXPRESS ENTIRE BUFFER TUBE	
		SPLICE SPLICE ENTIRE BUFFER TUBE	
		○ UNUSED FIBER	
		● USED (LIT) FIBER	

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	C-5600I (US 64/ US 1)		
	SPLICE DETAIL		
DIVISION 5		WAKE COUNTY	
PLAN DATE: JUNE 2016		REVIEWED BY: T. HONEYCUTT	
PREPARED BY: J. CROSS		REVIEWED BY: K. SMITH	
REVISIONS		INIT.	DATE
0			
SCALE		0	
750 N. Greenfield Place, Garner, NC 27529		DocuSigned by: Taylor A. Honeycutt 6/27/2016	
		SIGNATURE DATE	
		CADD Filename:	

**NEW SPLICE ENCLOSURE
EXISTING CCTV-1079
AT TRYON RD.
(SEE ITS-30 FOR LOCATION)**



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

ETHERNET SWITCH TERMINATION CONFIGURATIONS
ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR
DETERMINING / ENSURING PROPER TERMINATION.

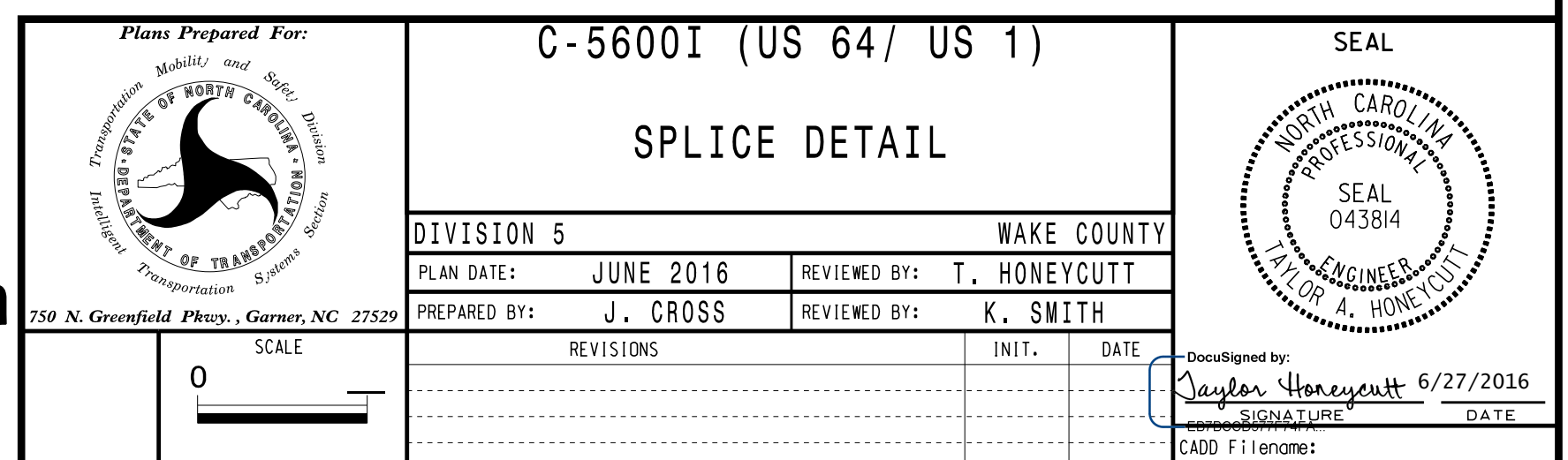
- X - FUSION SPLICE INDIVIDUAL FIBER
O - EXISTING SPLICE

EXPRESS	EXPRESS ENTIRE BUFFER TUBE
SPLICE	SPLICE ENTIRE BUFFER TUBE

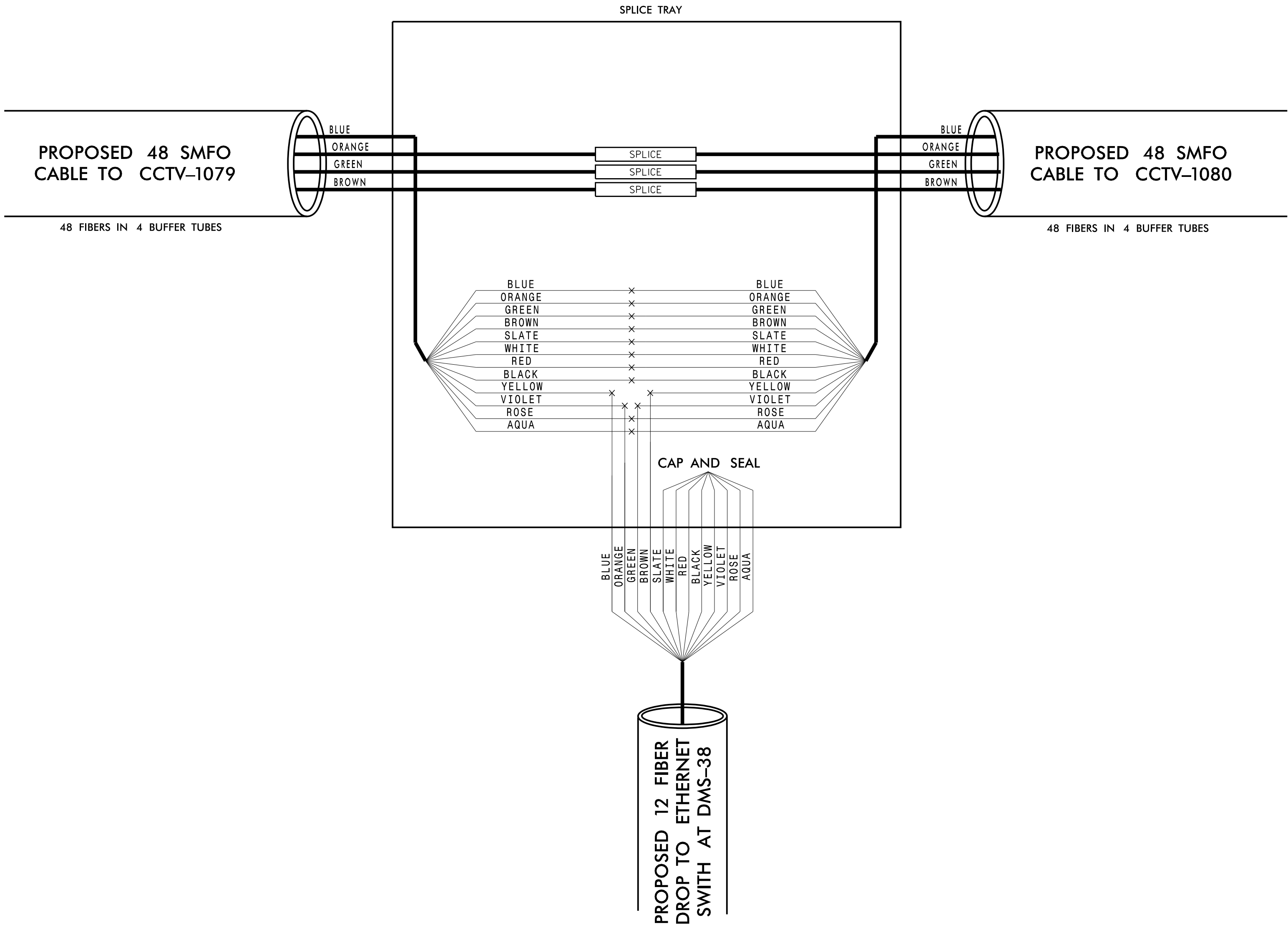
- UNUSED FIBER
● USED (LIT) FIBER

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Tel: (919) 677-2000
Fax: (919) 677-2050**

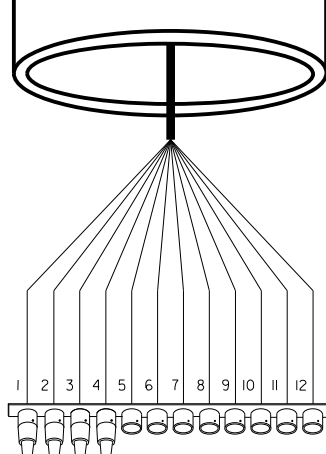


NEW SPLICE ENCLOSURE
EXISTING DMS-38
NORTH OF TRYON RD.
(SEE ITS-32 FOR LOCATION)

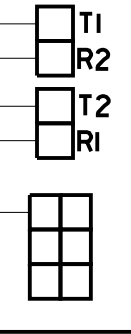


ETHERNET SWITCH
CABINET

DROP CABLE
FROM SPLICE
ENCLOSURE



ETHERNET
SWITCH



DMS-38

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

ETHERNET SWITCH TERMINATION CONFIGURATIONS
ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR
DETERMINING / ENSURING PROPER TERMINATION.

- X - FUSION SPLICE INDIVIDUAL FIBER
O - EXISTING SPLICE

- EXPRESS** EXPRESS ENTIRE BUFFER TUBE
SPLICE SPLICE ENTIRE BUFFER TUBE

- UNUSED FIBER
● USED (LIT) FIBER

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Plans Prepared For: WAKE COUNTY 750 N. Greenfield Place, Garner, NC 27529 SCALE 0	C-5600I (US 64/ US 1)		SEAL NORTH CAROLINA PROFESSIONAL SEAL 043814 ENGINEER TAYLOR A. HONEYCUTT DocuSigned by: Taylor Honeycutt 6/27/2016 CADD Filename:
	SPLICE DETAIL		
	DIVISION 5 WAKE COUNTY		
	PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT	
	PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH	
REVISIONS		INIT.	DATE

NEW SPLICE ENCLOSURE
EXISTING CCTV-1080
AT SE CARY PKWY.
(SEE ITS-35 FOR LOCATION)

ETHERNET SWITCH
CABINET

DROP CABLE
FROM SPLICE
ENCLOSURE

1 2 3 4 5 6 7 8 9 10 11 12

ETHERNET
SWITCH

T1
R2
T2
R1

CCTV-1080

COLOR CODE
TIA/EIA 598-C

- (1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE
- (7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

ETHERNET SWITCH TERMINATION CONFIGURATIONS
ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR
DETERMINING / ENSURING PROPER TERMINATION.

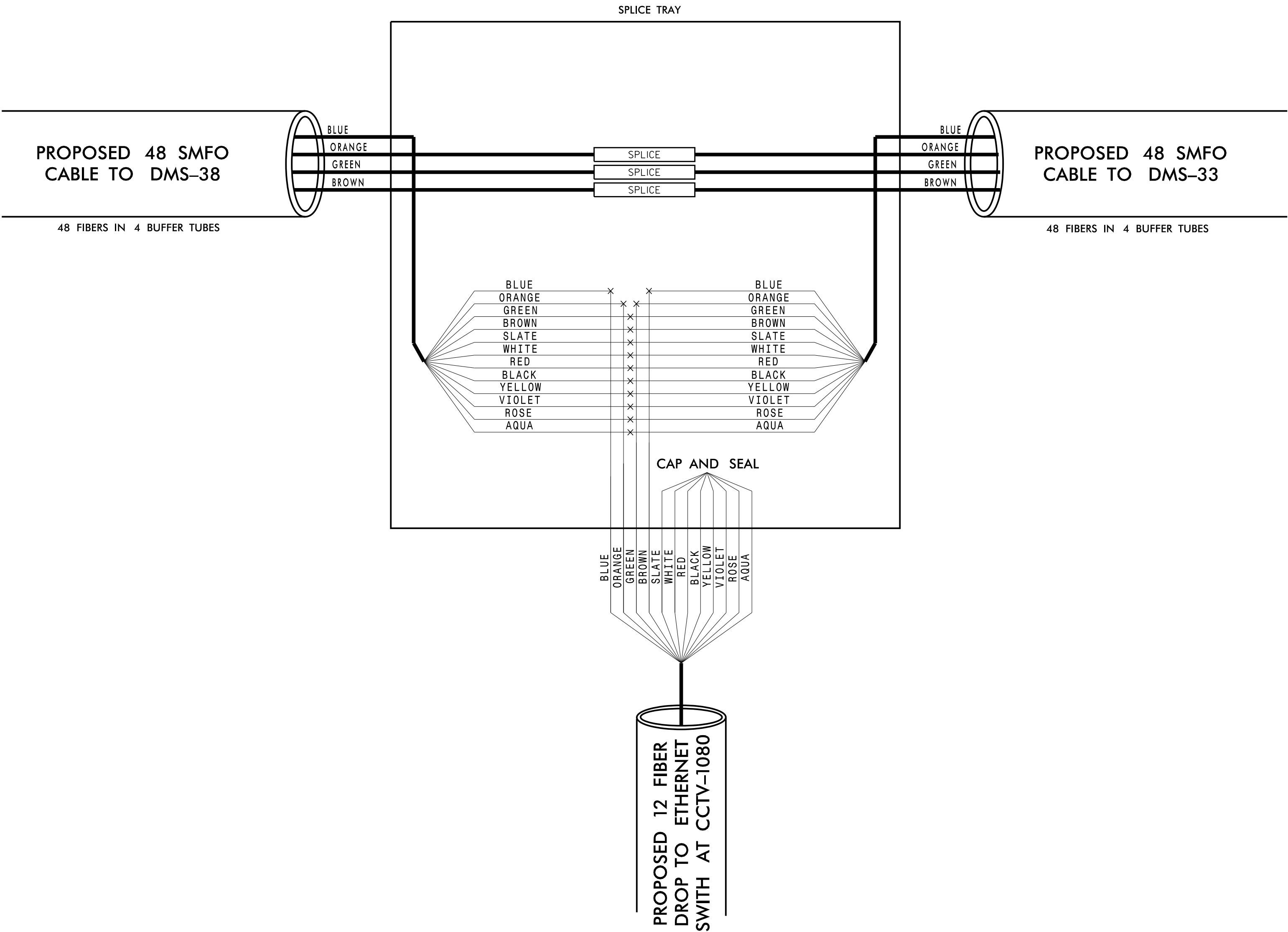
- X - FUSION SPLICE INDIVIDUAL FIBER
- O - EXISTING SPLICE

- EXPRESS

EXPRESS ENTIRE BUFFER TUBE
- SPLICE

SPLICE ENTIRE BUFFER TUBE

- UNUSED FIBER
- USED (LIT) FIBER

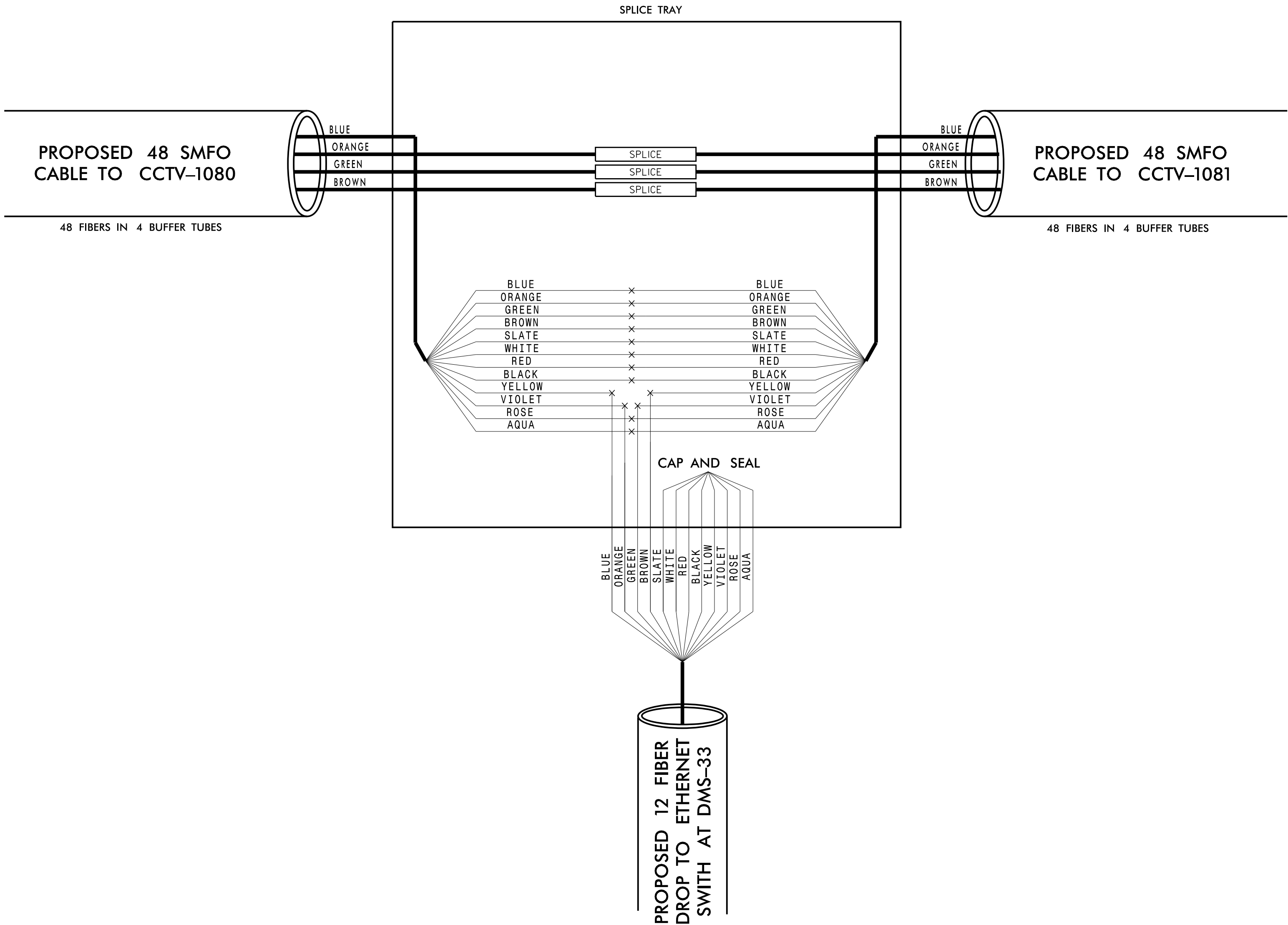


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Plans Prepared For: WAKE COUNTY Department of Transportation 750 N. Greenfield Place, Garner, NC 27529	C-5600I (US 64/ US 1)		SEAL NORTH CAROLINA PROFESSIONAL SEAL 043814 ENGINEER TAYLOR A. HONEYCUTT
	SPLICE DETAIL		
	DIVISION 5 WAKE COUNTY		
	PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT	
PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH	INIT. DATE	
REVISIONS		CADD Filename:	

NEW SPLICE ENCLOSURE
EXISTING DMS-33
NORTH OF SE CARY PKWY.
(SEE ITS-38 FOR LOCATION)



ETHERNET SWITCH
CABINET

DROP CABLE
FROM SPLICE
ENCLOSURE

1 2 3 4 5 6 7 8 9 10 11 12

ETHERNET
SWITCH

T1
R2
T2
R1

DMS-33

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

ETHERNET SWITCH TERMINATION CONFIGURATIONS
ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR
DETERMINING / ENSURING PROPER TERMINATION.

- X - FUSION SPLICE INDIVIDUAL FIBER
O - EXISTING SPLICE

- EXPRESS EXPRESS ENTIRE BUFFER TUBE
SPLICE SPLICE ENTIRE BUFFER TUBE

- UNUSED FIBER
● USED (LIT) FIBER

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	C-5600I (US 64/ US 1)		
	SPLICE DETAIL		
	DIVISION 5 WAKE COUNTY		
	PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT	
PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH	INIT. DATE	
REVISIONS		CADD File name:	

NEW SPLICE ENCLOSURE
EXISTING CCTV-1081
AT WALNUT ST.
(SEE ITS-42 FOR LOCATION)

ETHERNET SWITCH
CABINET

DROP CABLE
FROM SPLICE
ENCLOSURE

1 2 3 4 5 6 7 8 9 10 11 12

ETHERNET
SWITCH

T1
R2
T2
R1

CCTV-1081

COLOR CODE
TIA/EIA 598-C

- (1) BLUE

(2) ORANGE

(3) GREEN

(4) BROWN

(5) SLATE

(6) WHITE
- (7) RED

(8) BLACK

(9) YELLOW

(10) VIOLET

(11) ROSE

(12) AQUA

LEGEND

ETHERNET SWITCH TERMINATION CONFIGURATIONS
ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR
DETERMINING / ENSURING PROPER TERMINATION.

- X

- FUSION SPLICE INDIVIDUAL FIBER
- O

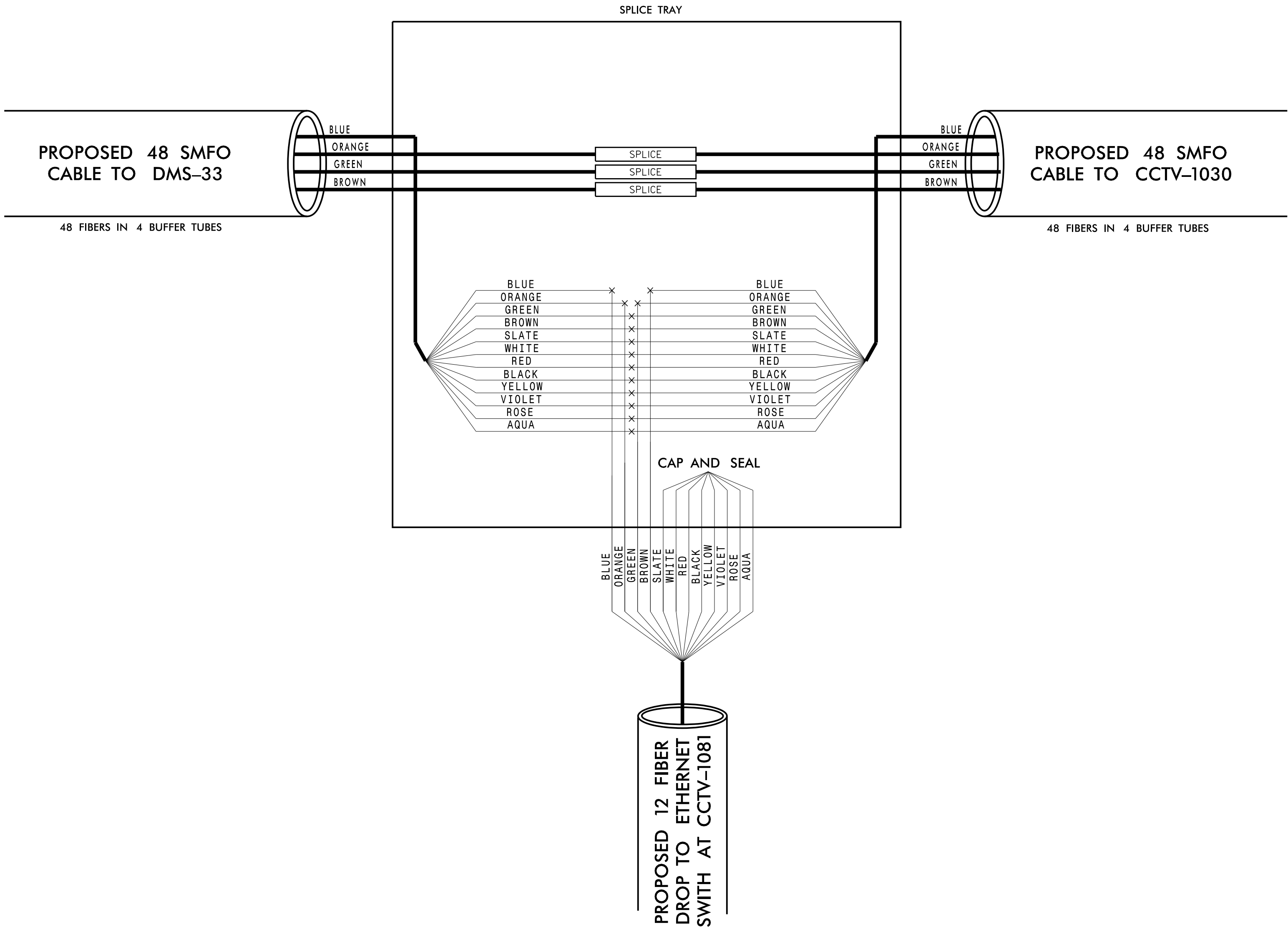
- EXISTING SPLICE

- EXPRESS

EXPRESS ENTIRE BUFFER TUBE
- SPLICE

SPLICE ENTIRE BUFFER TUBE

- UNUSED FIBER
- USED (LIT) FIBER

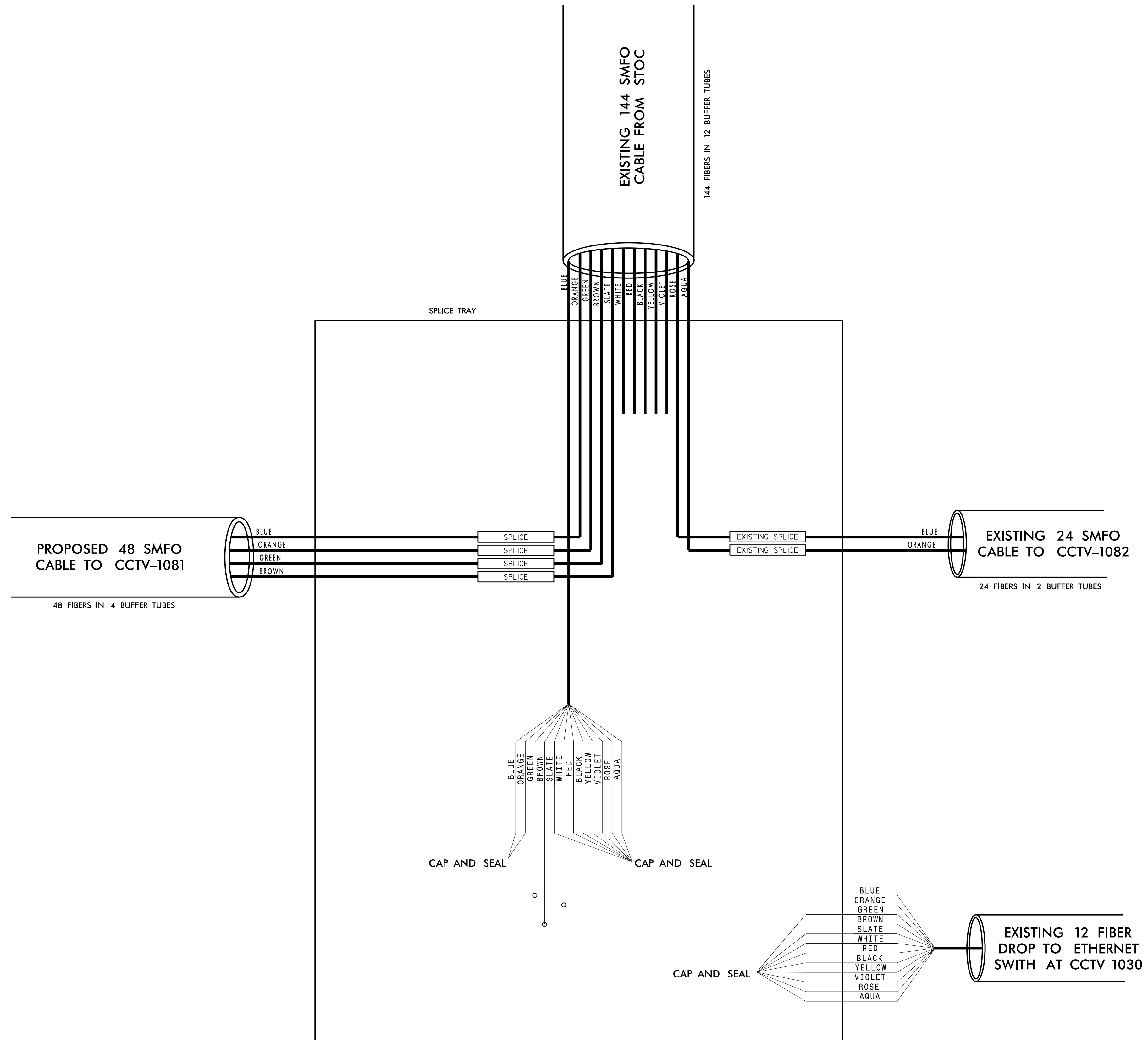


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Plans Prepared For: WAKE COUNTY Department of Transportation 750 N. Greenfield Parkway, Garner, NC 27529	C-5600I (US 64/ US 1)		SEAL NORTH CAROLINA PROFESSIONAL SEAL 043814 ENGINEER TAYLOR A. HONEYCUTT	
	SPLICE DETAIL			
	DIVISION 5 WAKE COUNTY			
	PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT		
	PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH		
SCALE 0	REVISIONS	INIT.	DATE	DocuSigned by: Taylor A. Honeycutt 6/27/2016
CADD Filename:				

**NEW SPLICE ENCLOSURE
EXISTING CCTV-1030
AT I-40/I-440
(SEE ITS-44 FOR LOCATION)**



COLOR CODE TIA/EIA 598-C							LEGEND
(1) BLUE	(7) RED						
(2) ORANGE	(8) BLACK						
(3) GREEN	(9) YELLOW						
(4) BROWN	(10) VIOLET						
(5) SLATE	(11) ROSE						
(6) WHITE	(12) AQUA						
							ETHERNET SWITCH TERMINATION CONFIGURATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR DETERMINING / ENSURING PROPER TERMINATION. X - FUSION SPLICE INDIVIDUAL FIBER 0 - EXISTING SPLICE EXPRESS SPLICE EXPRESS ENTIRE BUFFER TUBE SPLICE ENTIRE BUFFER TUBE ○ UNUSED FIBER ● USED (LIT) FIBER

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Fax: (919) 677-2050

Plans Prepared For:  750 N. Greenfield Pkwy., Garner, NC 27529	C-5600I (US 64/ US 1) SPLICE DETAIL	SEAL 																				
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DIVISION 5	WAKE COUNTY																					
PLAN DATE: JUNE 2016	REVIEWED BY: T. HONEYCUTT																					
PREPARED BY: J. CROSS	REVIEWED BY: K. SMITH																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">REVISIONS</td> <td style="width: 50%;">INIT. DATE</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>			REVISIONS	INIT. DATE																		
REVISIONS	INIT. DATE																					
DocuSigned by: <u>Taylor Honeycutt</u> 6/27/2016 DATE: _____ CADD Filename: _____																						