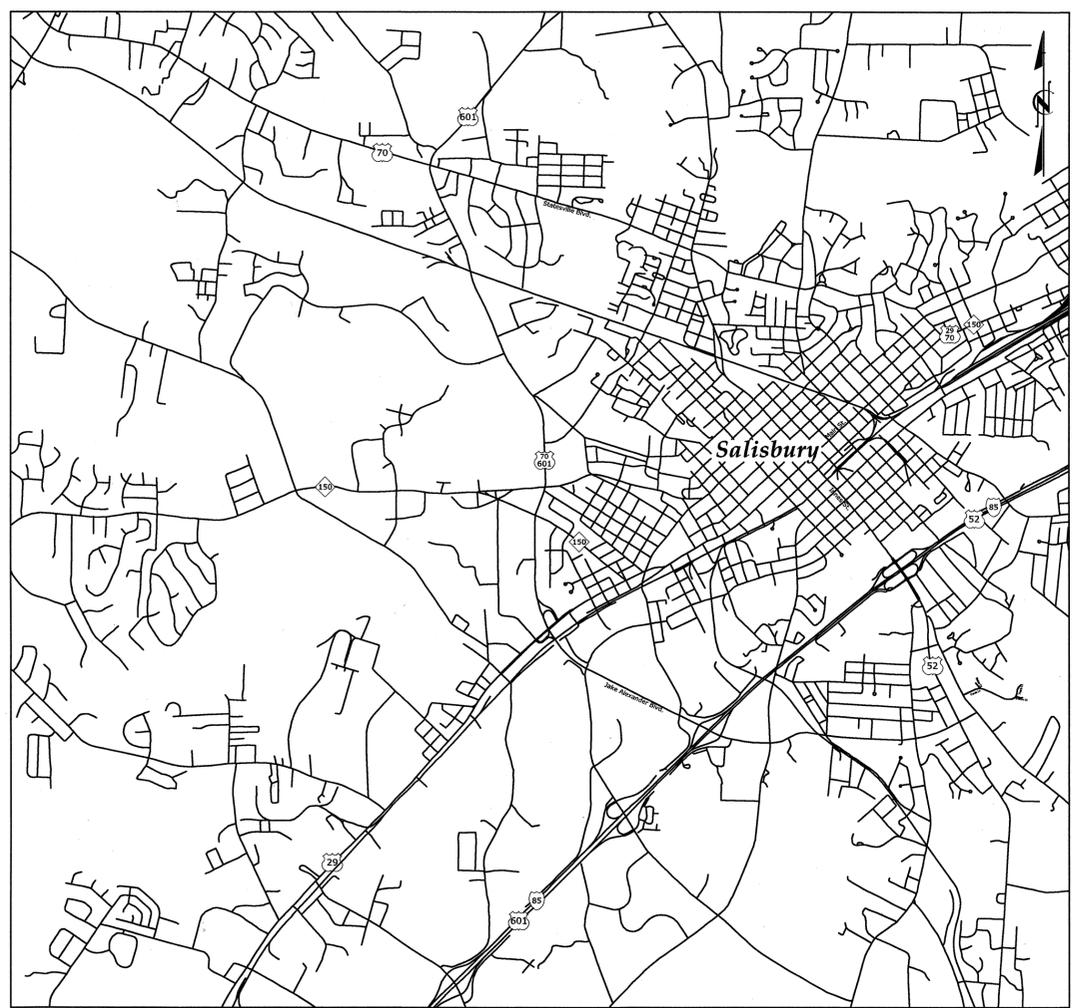


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	C-5553	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
51023.1.1	CMS-0914(34)	PE	
51023.2.1	CMS-0914(34)	ROW	
51023.3.1	CMS-0914(34)	CONST	

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
SALISBURY
COMPUTERIZED TRAFFIC SIGNAL SYSTEM UPGRADE



FINAL PLANS

Volume I of II
Project Overview, Communications
and Transportation Management
Plans

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CONTRACT: C203253 TIP PROJECT: C-5553

2012 STANDARD SPECIFICATIONS
LETTING DATE: OCTOBER 15, 2013
PROJECT LENGTH = NA


 750 Greenfield Pkwy., Garner, NC 27529
NCDOT CONTACTS:
TRANSPORTATION SAFETY AND MOBILITY
INTELLIGENT TRANSPORTATION SYSTEMS SECTION
 W. MICHAEL BRASWELL - METRO SYSTEMS PROJECT ENGINEER

PLANS PREPARED BY:


Kimley-Horn and Associates, Inc.
 NC License #F-0102
 P.O. Box 33068
 Raleigh, NC 27636
 (919) 677-2000

KIMLEY-HORN CONTACTS: T.F. BURCHETT, P.E. - PROJECT MANAGER
KEVIN W. SMITH, P.E. - PROJECT ENGINEER

SEAL


 KEVIN W. SMITH
 ENGINEER
 SEAL
 030472

 7/11/13
 SIGNATURE DATE

INDEX OF SHEETS

Volume I (Project Overview, Communication, and Transportation Management Plans)

- 1..... TITLE SHEET
- 1A..... INDEX OF SHEETS AND ROADWAY STANDARD DRAWINGS
- 1B..... CONSTRUCTION NOTES AND LEGEND
- 1C..... PLAN KEY
- 1D..... CABLE SCHEMATIC
- 2..... CABINET FOUNDATION DETAILS
- 2A..... CABINET DETAILS
- 2B..... JUNCTION BOX AND DELINEATOR DETAILS
- 2C-2D..... CCTV ELECTRICAL SERVICE DETAILS
- 2E..... SYSTEM BLOCK DIAGRAM
- 2F..... CITY TRAFFIC OPERATIONS CENTER DETAILS
- 2G..... CITY FIBER TERMINATION DETAILS
- 2H-2K..... ELECTRICAL SERVICE AND CABINET FOUNDATIONS FOR DOWNTOWN TRAFFIC SIGNALS (SHEET 2I INTENTIONALLY REMOVED)
- 3..... SUMMARY OF QUANTITIES
- 3A-3F..... SUMMARY OF WORK BY INTERSECTION
- 3G..... SUMMARY OF WORK FOR CCTV AND WIRELESS
- 4-9..... COMMUNICATIONS PLANS
- 10-13..... SPLICE DETAILS
- TMP-1-TMP-4..... TRANSPORTATION MANAGEMENT PLANS

Volume II (Traffic Signal Designs)

- 1..... TITLE SHEET
- SIG.2-223..... NCDOT TRAFFIC SIGNAL PLANS
- SIG. 224-250..... CITY TRAFFIC SIGNAL PLANS

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
848.01	CONCRETE SIDEWALK
1700.01	ELECTRICAL SERVICE OPTIONS
1700.02	ELECTRICAL SERVICE GROUNDING
1705.01	SIGNAL HEADS
1705.02	SIGNAL HEADS
1705.03	SIGNAL HEADS
1715.01	UNDERGROUND CONDUIT - TRENCHING
1716.01	JUNCTION BOXES
1720.01	WOOD POLES
1730.01	FIBER OPTIC CABLE
1736.01	SPREAD SPECTRUM RADIO
1751.01	CONTROLLERS AND CABINETS

K:\RAL\TPTO\LITS\01036277_Salisbury_SignalSystem\500_PSE\Plans\CF-01a-Index.dgn 8/7/2013 12:45:34 PM USER

PLANS PREPARED IN THE OFFICE OF:

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 P.O. Box 33069
 Raleigh, NC 27636
 (919) 677-2000

 <small>750 N. Greenfield Place, Garner, NC 27529</small>	CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE INDEX OF SHEETS AND ROADWAY STANDARD DRAWINGS		SEAL  ENGINEER KEVIN W. SMITH
	DIVISION 9 ROWAN COUNTY SALISBURY		
PLAN DATE: JUNE 2013	REVIEWED BY: K.W. SMITH		
PREPARED BY: J.C. CROSS	REVIEWED BY: T.F. BURCHETT		
SCALE 	REVISIONS	INIT.	DATE
			 8/1/13 SIGNATURE DATE
<small>CADD Filename:</small>			

- 1 REUSE EXISTING SMFO CABLE
- 2 INSTALL FIBER OPTIC DROP CABLE
- 3 INSTALL ETHERNET CABLE
- 4 INSTALL TRACER WIRE
- 5 INSTALL POLYETHYLENE CONDUIT
- 6 INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD
- 7 INSTALL RIGID, GALVANIZED STEEL RISER WITH FIBER OPTIC CABLE SEAL
- 8 TRENCH CONDUIT
- 9 DIRECTIONAL DRILL CONDUIT
- 10 INSTALL CABLE(S) IN NEW CONDUIT
- 11 INSTALL CABLE(S) IN EXISTING CONDUIT
- 12 INSTALL CABLE(S) IN NEW RISER
- 13 INSTALL CABLE(S) IN EXISTING RISER
- 14 REPLACE EXISTING WEATHERHEAD WITH HEAT SHRINK TUBING USING RETROFIT KIT
- 15 INSTALL NEW CABLE(S) IN EXISTING CONDUIT STUBOUTS
- 16 INSTALL NEW CONDUIT INTO EXISTING CABINET BASE (USE EXISTING CONDUIT STUB-OUTS WHEN AVAILABLE)
- 17 INSTALL NEW CONDUIT INTO EXISTING POLE MOUNTED CABINET
- 18 INSTALL NEW RISER INTO EXISTING POLE MOUNTED CABINET
- 19 INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPLICE CABLE IN CABINET
- 20 REMOVE EXISTING INTERCONNECT CENTER IN CABINET
- 21 MODIFY EXISTING SPLICE ENCLOSURE OR INTERCONNECT CENTER

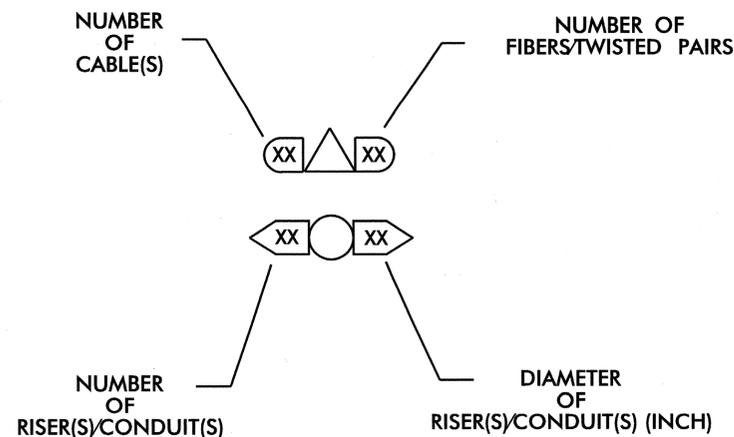
- 22 INSTALL POLE MOUNTED CCTV EQUIPMENT CABINET
- 23 REMOVE EXISTING POLE MOUNTED FIELD EQUIPMENT CABINET
- 24 INSTALL STANDARD JUNCTION BOX
- 25 INSTALL OVERSIZED HEAVY-DUTY JUNCTION BOX
- 26 INSTALL CCTV CAMERA ASSEMBLY
- 27 REMOVE EXISTING CCTV CAMERA ASSEMBLY
- 28 INSTALL 900 MHz WIRELESS RADIO TRANSCEIVER
- 29 INSTALL YAGI ANTENNA
- 30 INSTALL OMNI ANTENNA
- 31 INSTALL WOOD POLE
- 32 INSTALL NEW ELECTRICAL SERVICE
- 33 REUSE EXISTING ELECTRICAL SERVICE
- 34 INSTALL FIELD ETHERNET SWITCH
- 35 REMOVE EXISTING FIBER OPTIC TRANSCEIVER
- 36 STORE 30 FEET OF COMMUNICATIONS CABLE
- 37 INSTALL DELINEATOR MARKER
- 38 REUSE EXISTING WOOD CCTV POLE FOR NEW INSTALLATION
- 39 REUSE EXISTING METAL PEDESTAL FOR NEW INSTALLATION

LEGEND

—FO—	FO	NEW FIBER OPTIC COMMUNICATIONS CABLE
—TWIST PR—		NEW TWISTED PAIR COMMUNICATIONS CABLE
—EXT—		EXISTING COMMUNICATIONS CABLE
—REM—		EXISTING COMMUNICATIONS CABLE TO BE REMOVED
—		NEW AERIAL GUY ASSEMBLY
.....		NEW CONDUIT
-----		EXISTING CONDUIT
—DD—	DD	NEW DIRECTIONAL DRILLED CONDUIT
—BAJ—	BAJ	NEW BORED AND JACKED CONDUIT
□		NEW JUNCTION BOX
■		EXISTING JUNCTION BOX
○		NEW WOOD POLE
●		EXISTING WOOD POLE
Ⓢ		NEW SPLICE ENCLOSURE
Ⓢ		EXISTING SPLICE ENCLOSURE
□		NEW METAL POLE
■		EXISTING METAL POLE
▶		EXISTING CCTV CAMERA ASSEMBLY
▶		NEW CCTV CAMERA ASSEMBLY
↪		NEW STANDARD GUY ASSEMBLY
↪		NEW STANDARD GUY USING EXISTING ANCHOR
↪		NEW SIDEWALK GUY ASSEMBLY
∞		NEW CABLE STORAGE RACKS (SNOW SHOES)
⊠		EXISTING BASE MOUNTED CABINET
⊠		PROPOSED BASE MOUNTED CABINET
⊠		EXISTING POLE MOUNTED CABINET
⊠		PROPOSED POLE MOUNTED CABINET
Ⓢ		EXISTING SPLICE CABINET
Ⓢ		NEW SPLICE CABINET
SP		SIGNAL POLE
XX-XXXX		SIGNAL INVENTORY NUMBER

CONSTRUCTION NOTE SYMBOLOGY KEY

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

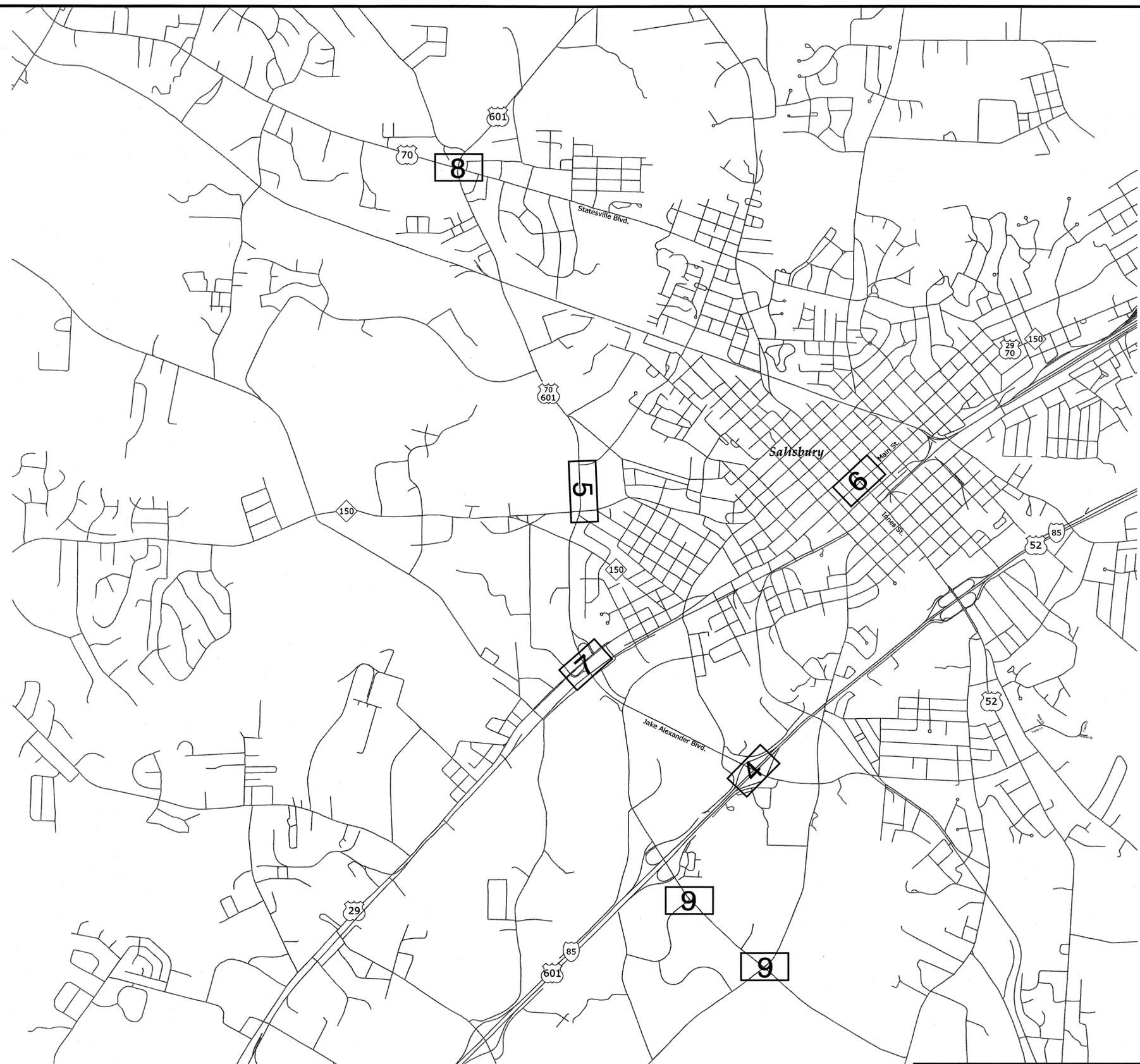


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Kimley-Horn and Associates, Inc.
 NC License #F-0102
 P.O. Box 33068
 Raleigh, NC 27636
 919-877-2000

 DEPARTMENT OF TRANSPORTATION Transportation Mobility and Safety Division	CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE CONSTRUCTION NOTES		SEAL ENGINEER KEVIN W. SMITH															
	DIVISION 9 ROWAN COUNTY SALISBURY PLAN DATE: JUNE 2013 REVIEWED BY: K.W. SMITH PREPARED BY: J.C. CROSS REVIEWED BY: T.F. BURCHETT	REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>INIT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		NO.	DESCRIPTION	INIT.	DATE											
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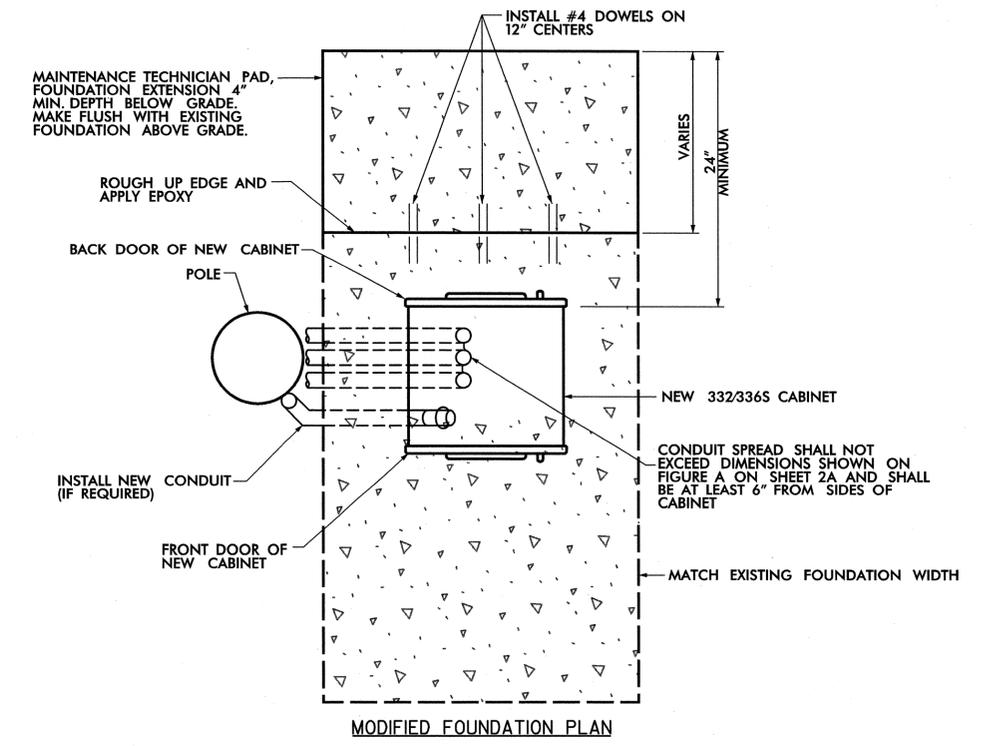
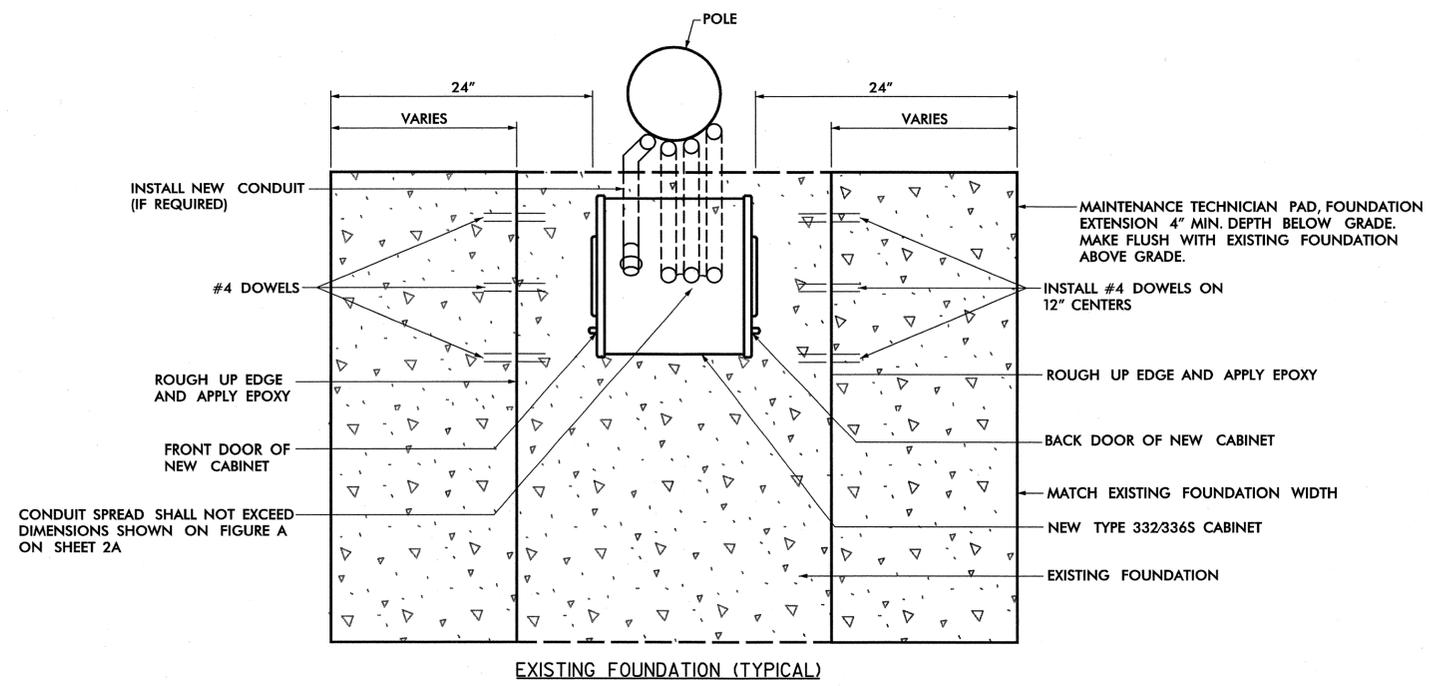
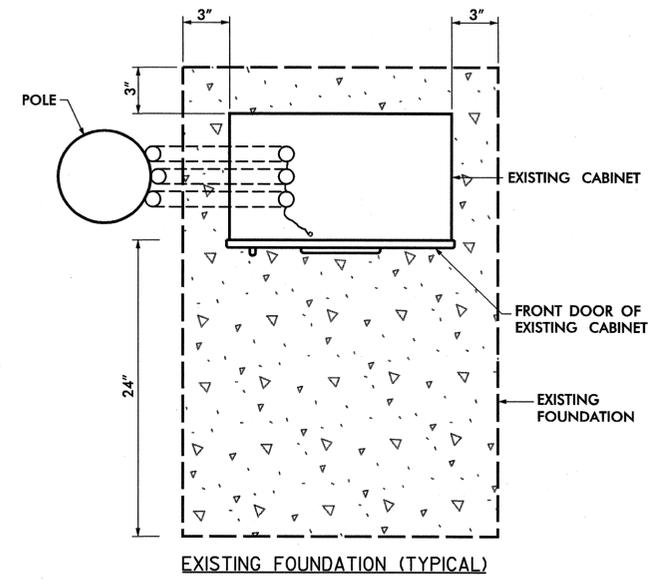
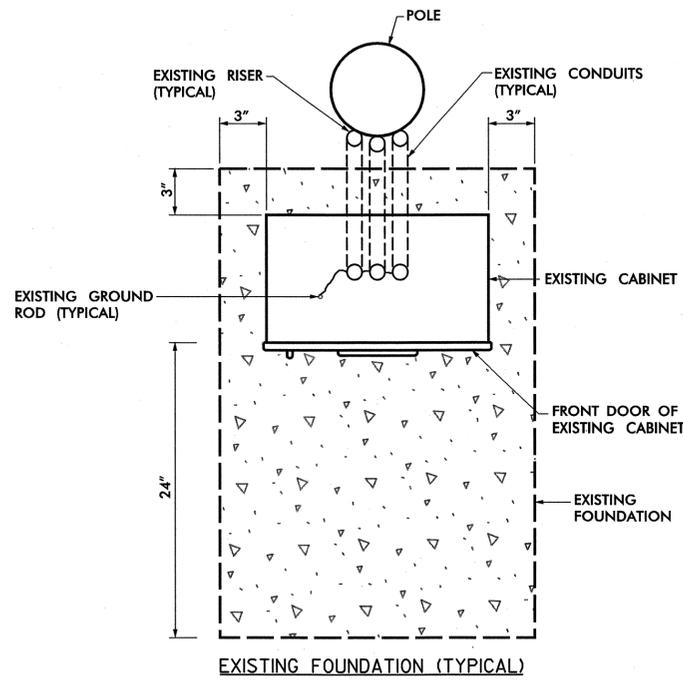
750 N. Greenfield Pkwy., Garner, NC 27529
 SCALE
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CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE PLAN KEY			
DIVISION 9		ROWAN COUNTY	
SALISBURY			
PLAN DATE: JUNE 2013	REVIEWED BY: K.W. SMITH	PREPARED BY: J.C. CROSS	REVIEWED BY: T.F. BURCHETT
REVISIONS	INIT.	DATE	

SEAL



SIGNATURE: *K.W. Smith* DATE: 6/23/13
 CADD Filename:



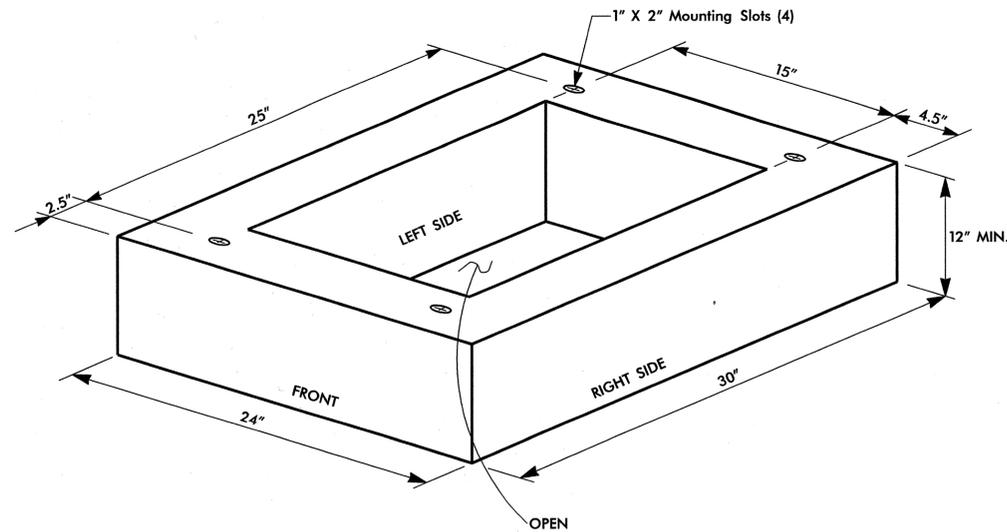
**NEW MODEL 332/336S CABINETS ON MODIFIED FOUNDATION
ROTATED 90 DEGREES FROM ORIENTATION OF EXISTING NEMA CABINET**

**NEW MODEL 332/336S CABINETS ON MODIFIED FOUNDATION
WITH SAME ORIENTATION AS EXISTING NEMA CABINET**

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P.O. Box 33068
Raleigh, NC 27636
919-671-2200

	CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE CABINET FOUNDATION DETAILS		
	DIVISION 9 PLAN DATE: JUNE 2013 PREPARED BY: J.C. CROSS	ROWAN COUNTY SALISBURY REVIEWED BY: K.W. SMITH REVIEWED BY: T.F. BURCHETT	
SCALE 0		REVISIONS INIT. DATE	CADD Filename:

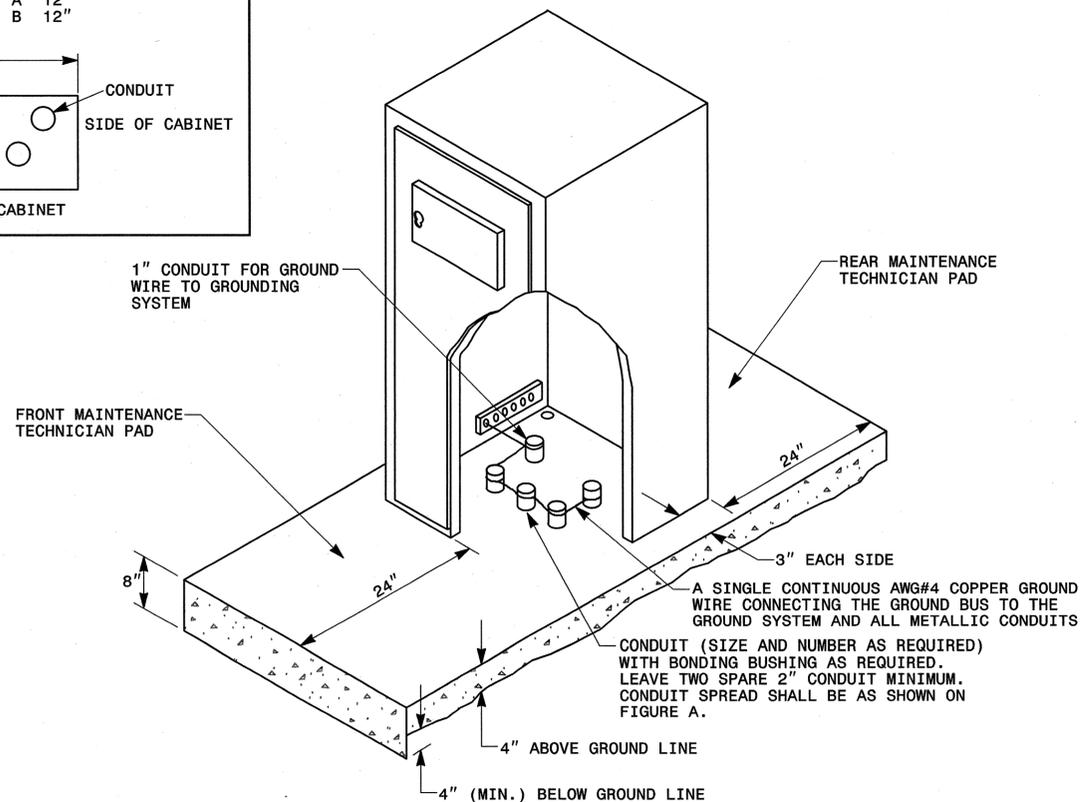
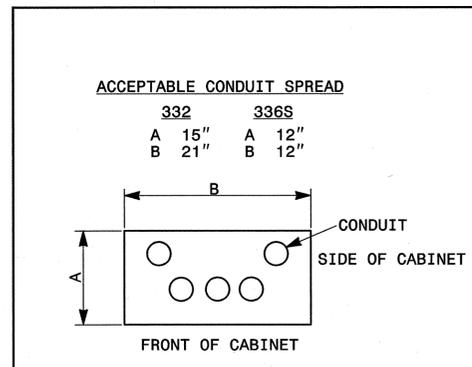


BASE EXTENSION FOR 332 CABINET

NOTES

1. BASE EXTENDER BOLT HOLE PATTERN AND SPACING SHALL MATCH THAT OF EQUIPMENT CABINET.
2. DIMENSIONS SHOWN FOR BASE EXTENDER ARE APPROXIMATE OUTER DIMENSIONS, DIMENSIONS FOR CENTER OPENING AND FLANGE DIMENSIONS SHALL MATCH THOSE OF EQUIPMENT CABINET.
3. FABRICATE BASE EXTENDER FROM SAME MATERIAL AND SAME GAUGE AS EQUIPMENT CABINET. BASE EXTENDER SHALL HAVE FINISH THAT IS IDENTICAL TO EQUIPMENT CABINET.

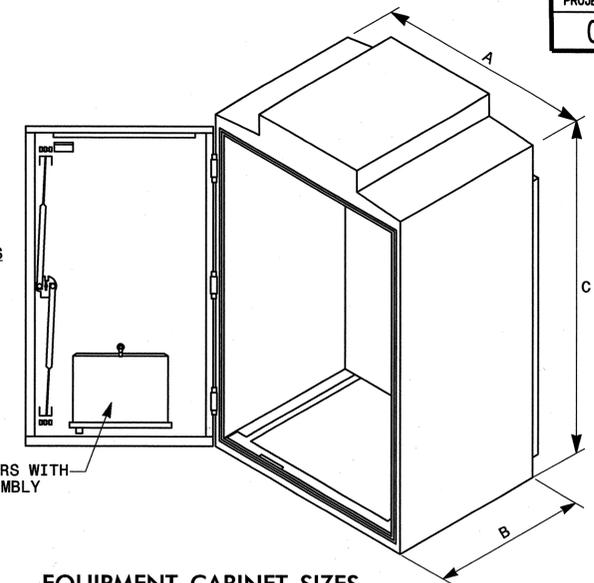
FIGURE A



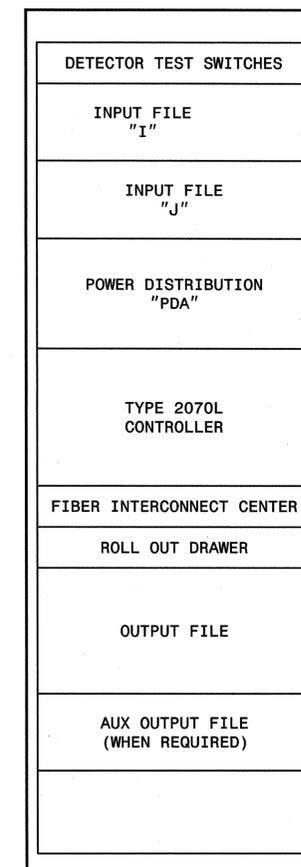
**TYPICAL BASE MOUNTED CABINET
(NEW STANDARD FOUNDATION)**

CABINET HOUSING DIMENSIONS

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



EQUIPMENT CABINET SIZES



**170 CABINET MODEL 332
(BASE MOUNT)**

**RECONFIGURED 170 CABINET WITH
2070L CONTROLLER COMPONENT LAYOUT**

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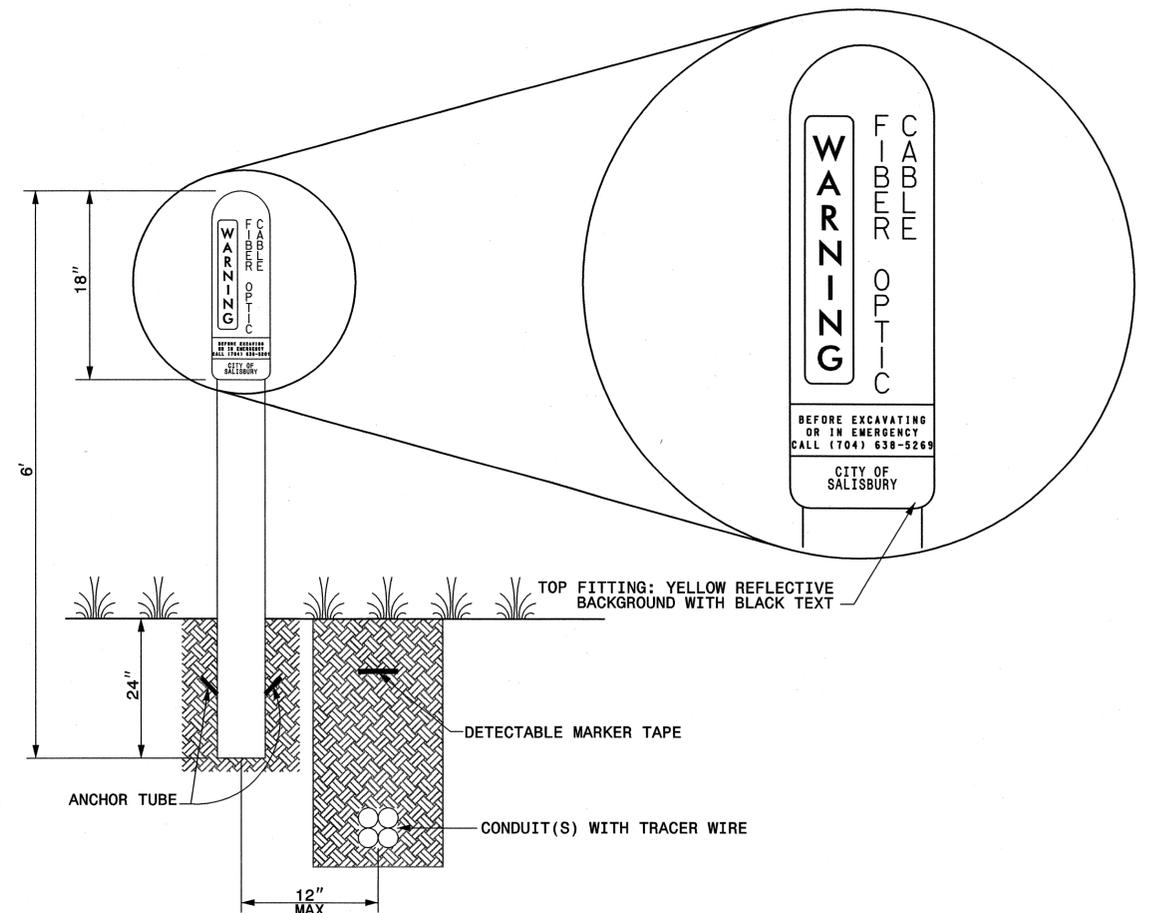
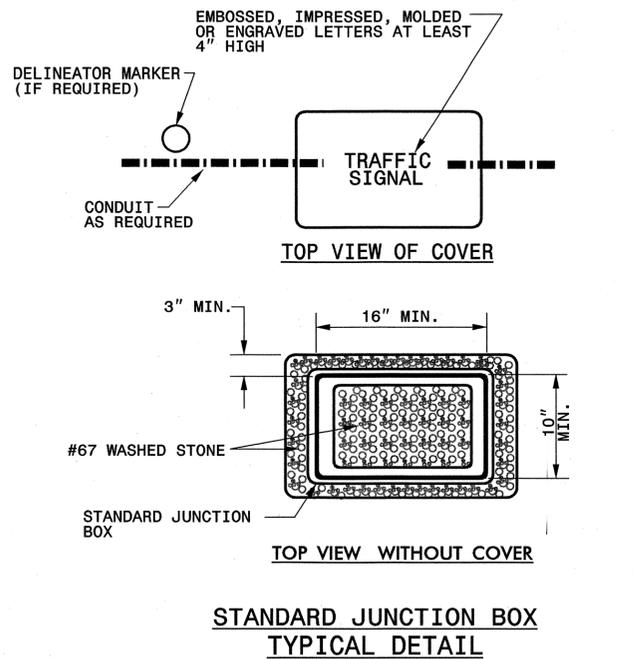
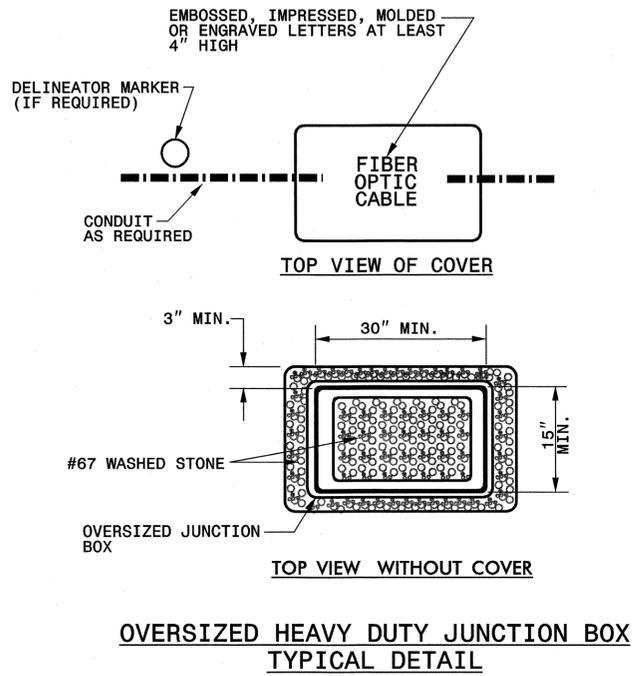
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and Associates, Inc.**
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Raleigh, NC 27636
1991-671-2000

	CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE CABINET DETAILS		
	DIVISION 9 ROWAN COUNTY SALISBURY PLAN DATE: JUNE 2013 REVIEWED BY: K.W. SMITH PREPARED BY: J.C. CROSS REVIEWED BY: T.F. BURCHETT		
REVISIONS		INIT. DATE	SIGNATURE DATE @25/13



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.

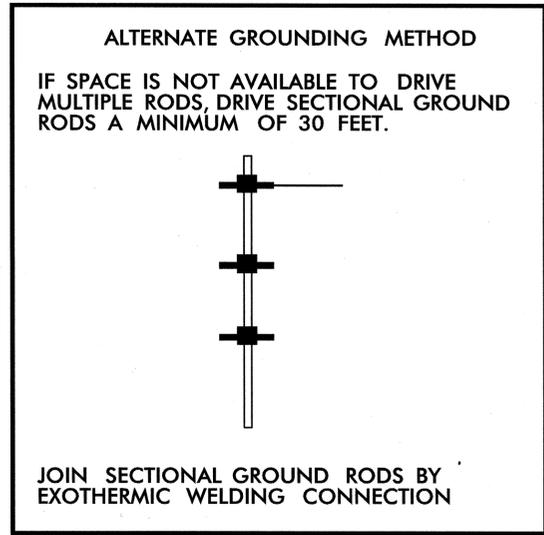
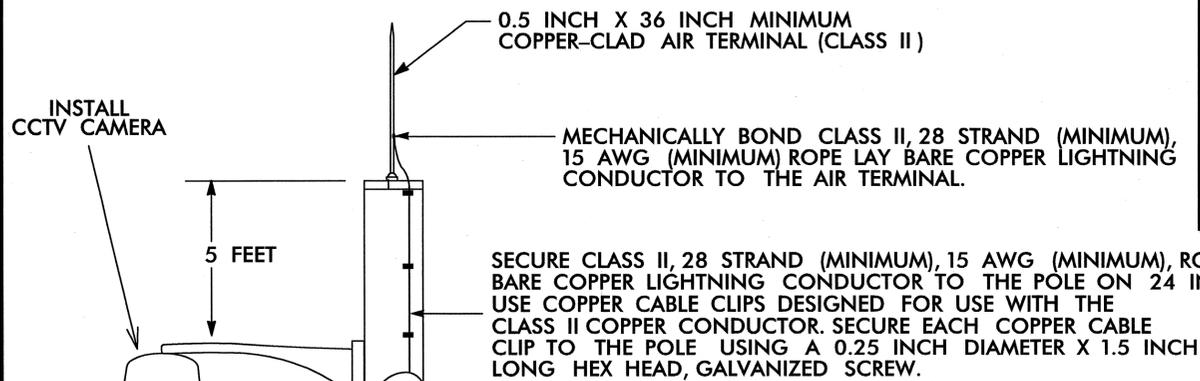
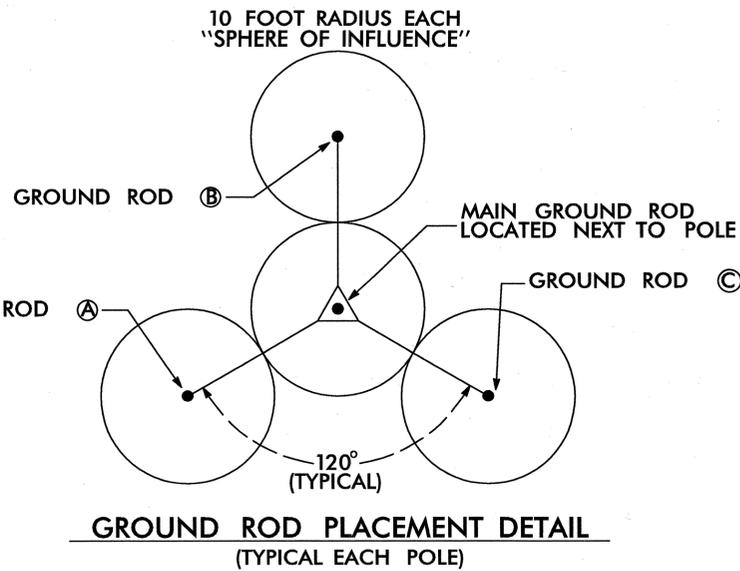
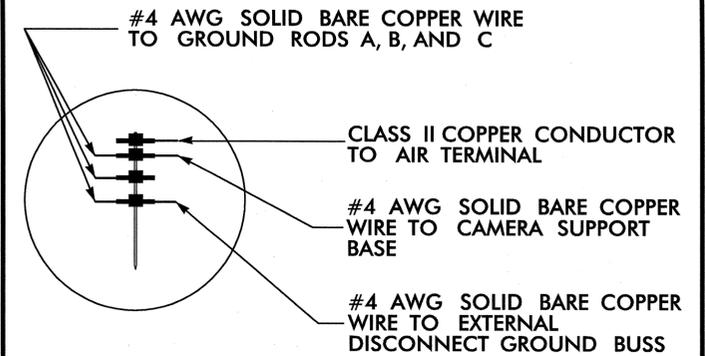
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PLANS PREPARED IN THE OFFICE OF:

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 Raleigh, NC 27636
 919-671-2000

	CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE JUNCTION BOX AND DELINEATOR DETAILS		SEAL
	DIVISION 9 ROWAN COUNTY SALISBURY	PREPARED BY: J.C. CROSS REVIEWED BY: T.F. BURCHETT	
PLAN DATE: JUNE 2013 REVIEWED BY: K.W. SMITH		REVIEWED BY: T.F. BURCHETT	
REVISIONS 0		INIT. DATE	
SCALE 		SIGNATURE: <i>Kevin W. Smith</i> DATE: 6/25/13 CADD Filename:	

INSET 'A'



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 POLE MOUNT 336S EQUIPMENT CABINET

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

SEE NOTE 5

METER BASE /DISCONNECT COMBINATION PANEL

1-INCH RIGID GALVANIZED STEEL CONDUIT FOR POWER ABOVE GRADE PORTION SHALL BE 2" GALVANIZED

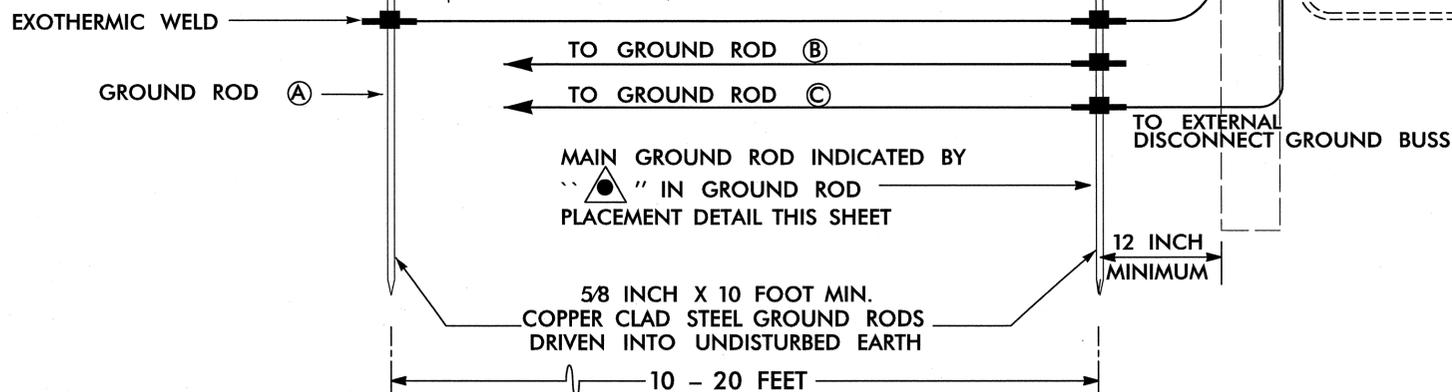
INSTALL SMFO CABLES IN NEW CONDUIT, AS CALLED FOR IN THE CABLE ROUTING PLANS (TYPICAL)

FINISHED GRADE

24 INCH MIN.

SEE INSET 'A'

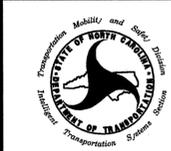
UNDERGROUND SERVICE LATERAL CONDUCTORS INSTALLED BY UTILITY COMPANY



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.

PLANS PREPARED IN THE OFFICE OF:
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P.O. Box 33068
Raleigh, NC 27636
919-677-2000

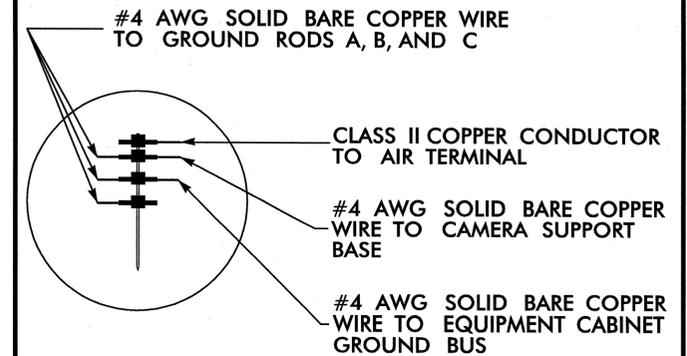


CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE WOOD POLE CCTV WITH UNDERGROUND SERVICE	
DIVISION 9	ROWAN COUNTY
PREPARED BY: J.C. CROSS	REVIEWED BY: T.F. BURCHETT
DATE: JUNE 2013	DATE: []
REVISIONS	INIT. DATE

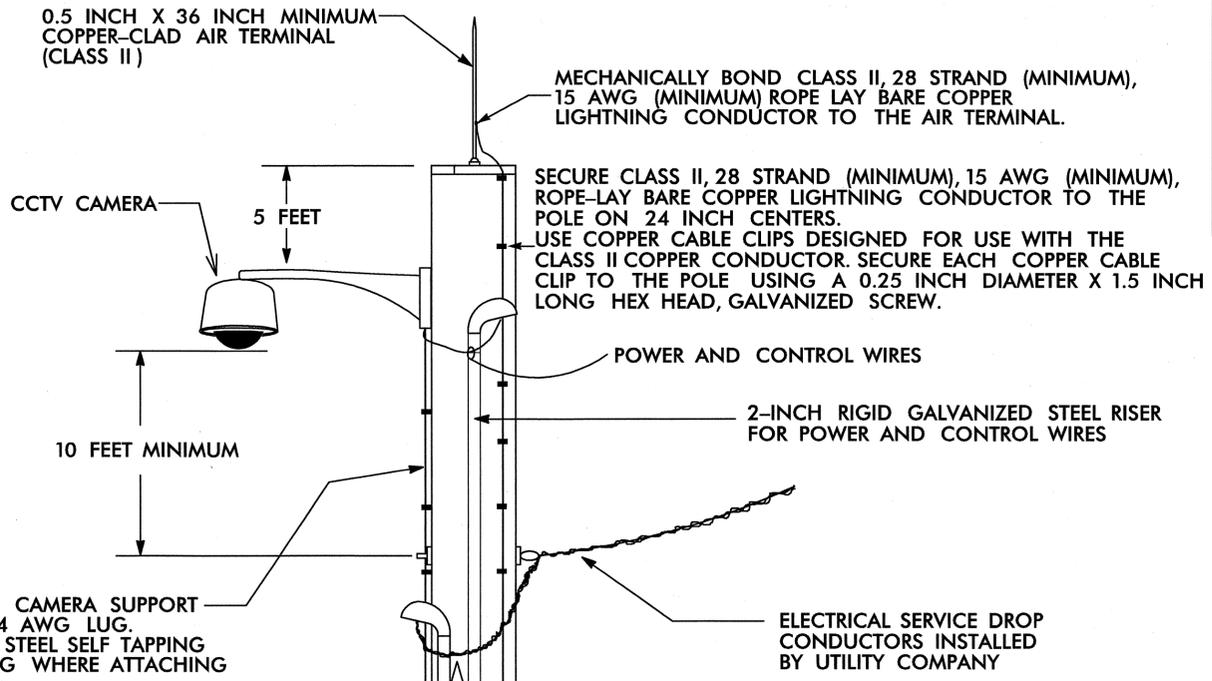
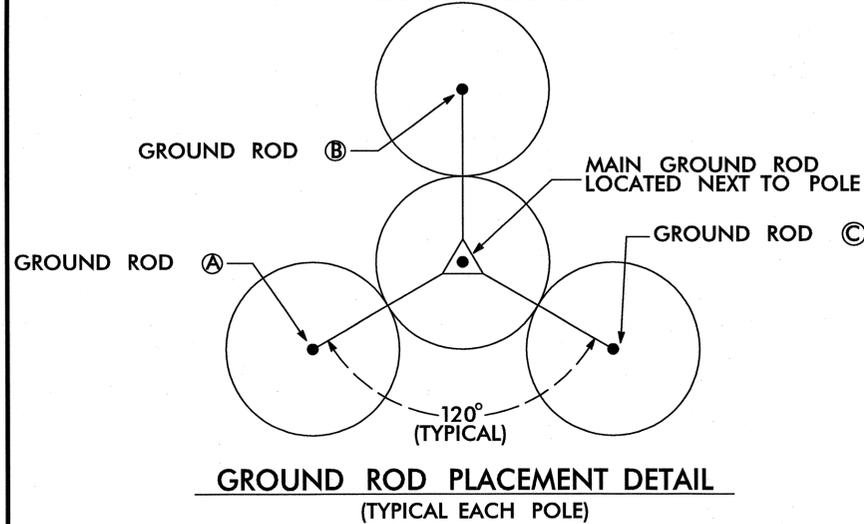
SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
KEYN W. SMITH
030472
DATE: 6/25/13
SIGNATURE: [Signature]
CADD Filename:

6/25/2013 10:47:04 AM USER: K:\NAL\TPTO\TFS\01030227_Salisbury_SignalSystem\500_PSE\Final\GR-002a-cctv.rvt.dgn

INSET 'A'

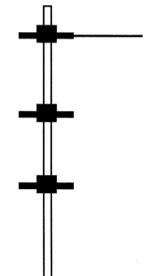


10 FOOT RADIUS EACH "SPHERE OF INFLUENCE"

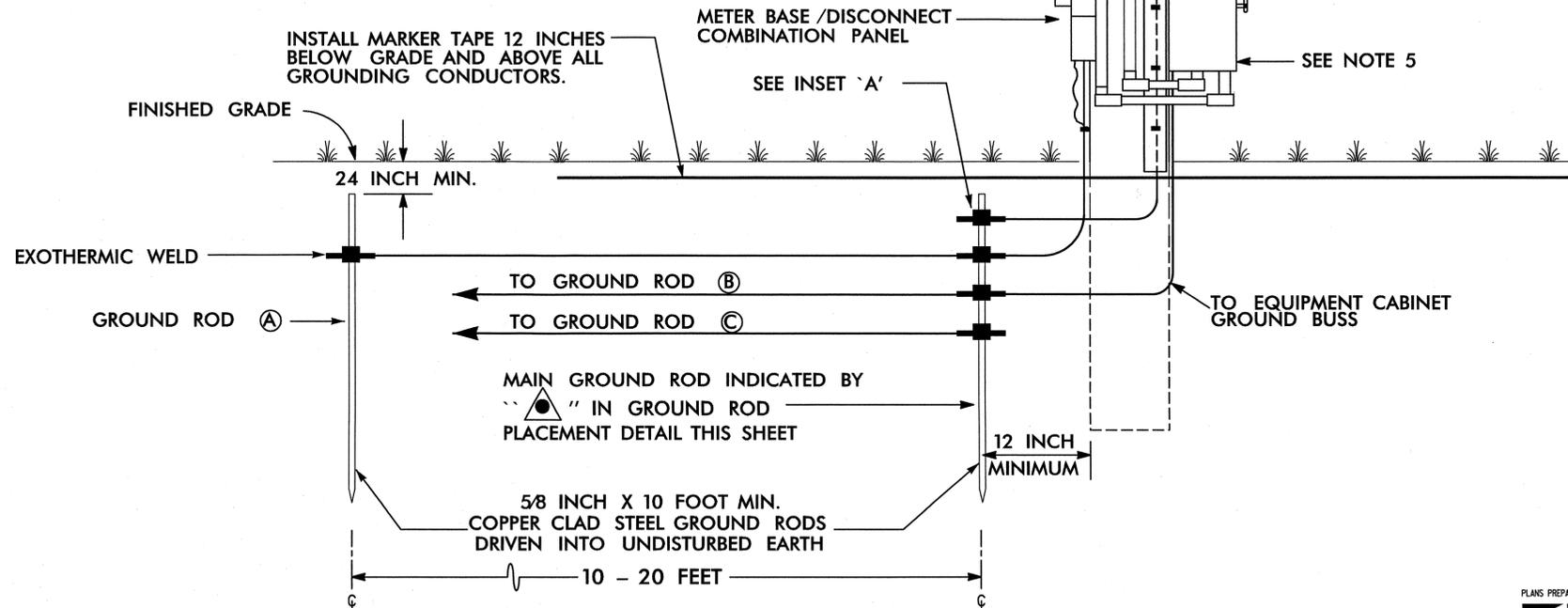


BOND #4 AWG SOLID BARE COPPER WIRE TO CAMERA SUPPORT BASE BY AN ALUMINUM TO COPPER #2 - #14 AWG LUG. ATTACH TO CAMERA BASE WITH A STAINLESS STEEL SELF TAPPING SCREW. REMOVE PAINT OR PROTECTIVE COATING WHERE ATTACHING LUG ONLY.

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



JOIN SECTIONAL GROUND RODS BY EXOTHERMIC WELDING CONNECTION



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.

PLANS PREPARED IN THE OFFICE OF:



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NC License #F-0102
P.O. Box 33068
Raleigh, NC 27636
1991 677-2000



CITY OF SALISBURY
COMPUTERIZED
SIGNAL SYSTEM UPGRADE
WOOD POLE CCTV WITH
OVERHEAD SERVICE

DIVISION 9 ROWAN COUNTY SALISBURY

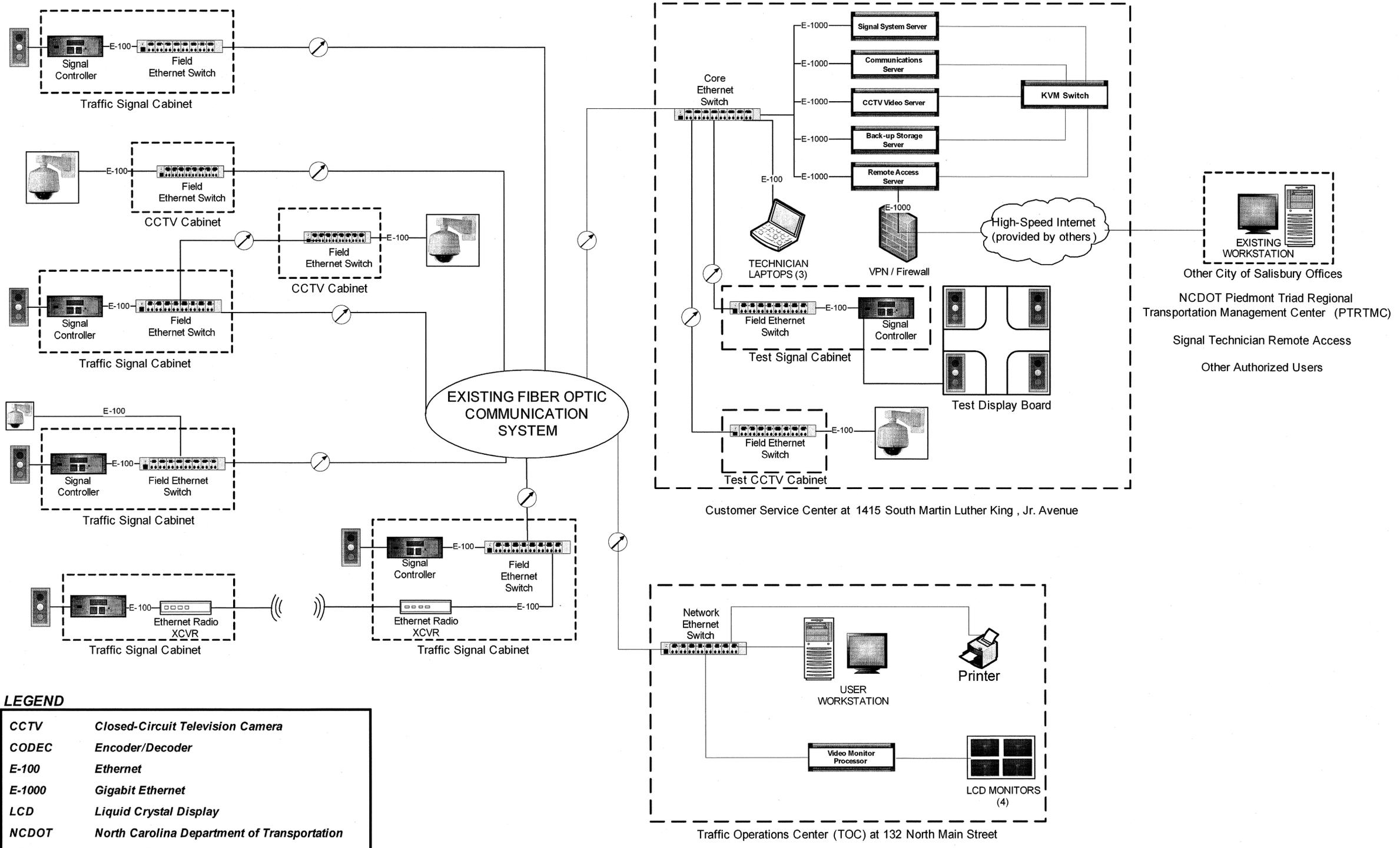
PLAN DATE: JUNE 2013 REVIEWED BY: K.W. SMITH

PREPARED BY: J.C. CROSS REVIEWED BY: T.F. BURCHETT



REVISIONS	INIT.	DATE

Signature: *Kevin W. Smith* Date: 6/25/13
CADD File name: _____



LEGEND

CCTV	Closed-Circuit Television Camera
CODEC	Encoder/Decoder
E-100	Ethernet
E-1000	Gigabit Ethernet
LCD	Liquid Crystal Display
NCDOT	North Carolina Department of Transportation
NTSC	National Television System Committee
RGB	Red-Green-Blue Analog Video Cable
XCVR	Radio Transceiver

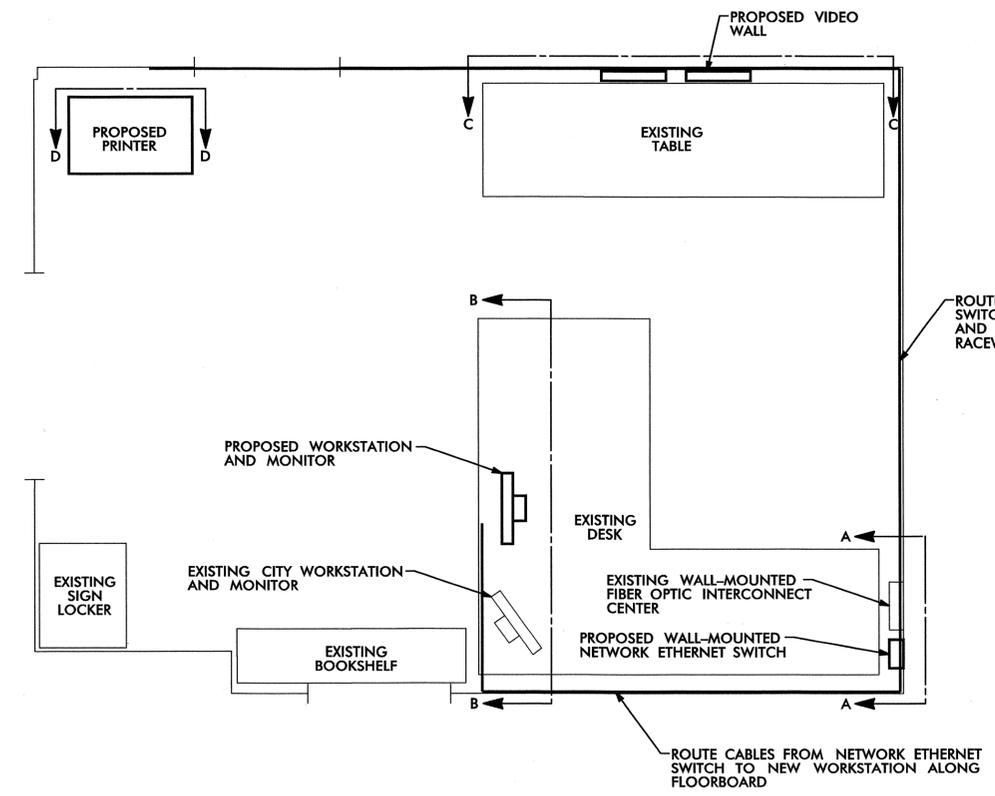
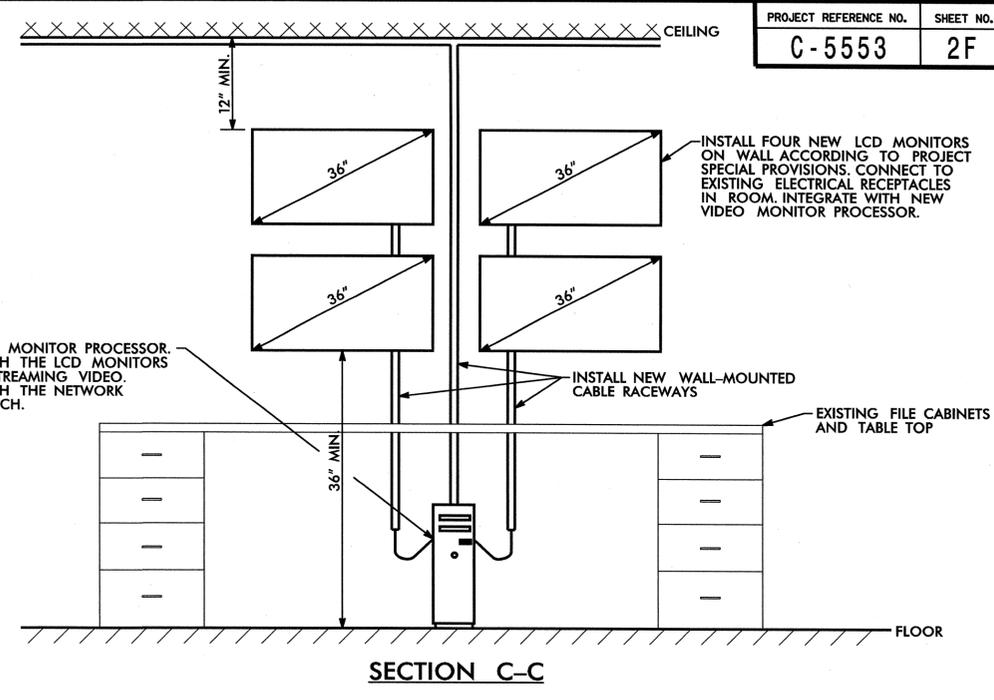
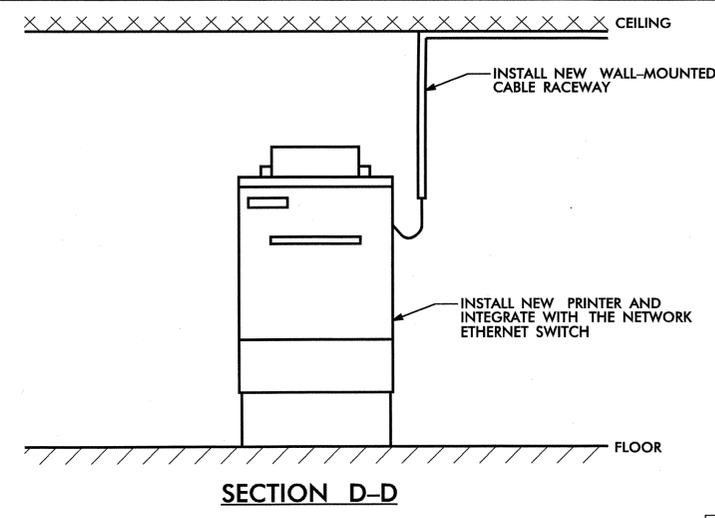
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PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
 750 N. Greenfield Pkwy., Garner, NC 27529
 NC License #F-0102
 P.O. Box 33068
 Raleigh, NC 27636
 (919) 677-2000

 CITY OF SALISBURY TRANSPORTATION DEPARTMENT	CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE SYSTEM BLOCK DIAGRAM		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER K.W. SMITH
	DIVISION 9 ROWAN COUNTY SALISBURY PLAN DATE: JUNE 2013 REVIEWED BY: K.W. SMITH	PREPARED BY: J.C. CROSS REVIEWED BY: T.F. BURCHETT	
SCALE 	REVISIONS _____	INIT. _____	DATE 6/28/13

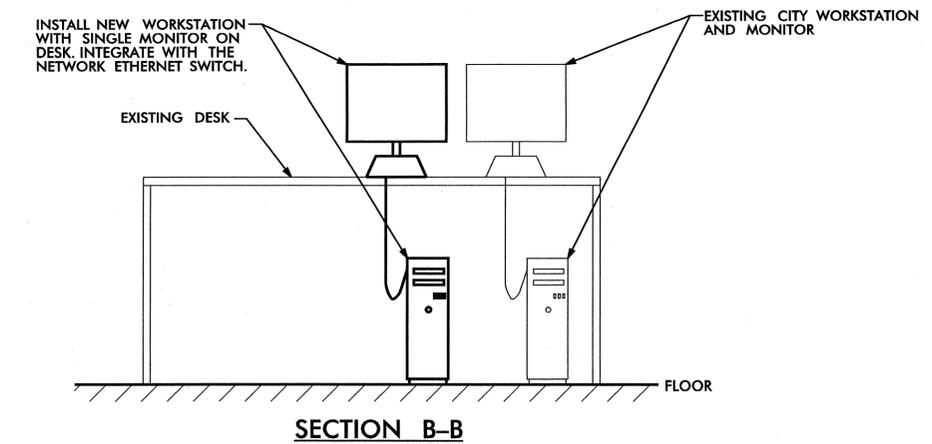
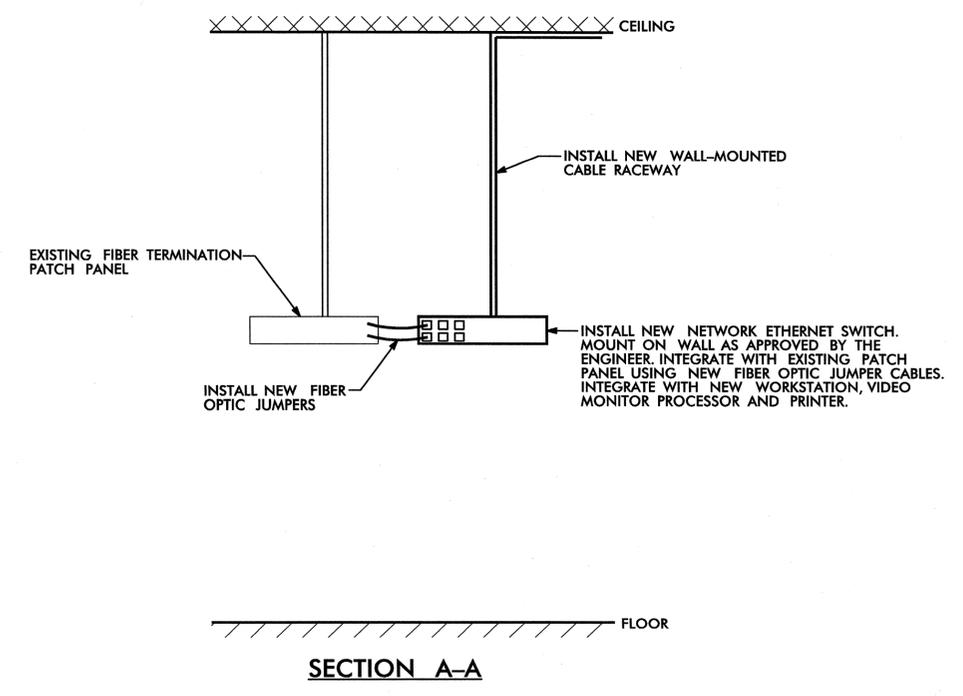
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ROUTE CABLES FROM NETWORK ETHERNET SWITCH TO VIDEO MONITOR PROCESSOR AND PRINTER IN EXISTING CEILING MOLDING RACEWAY AND NEW WALL-MOUNTED RACEWAYS

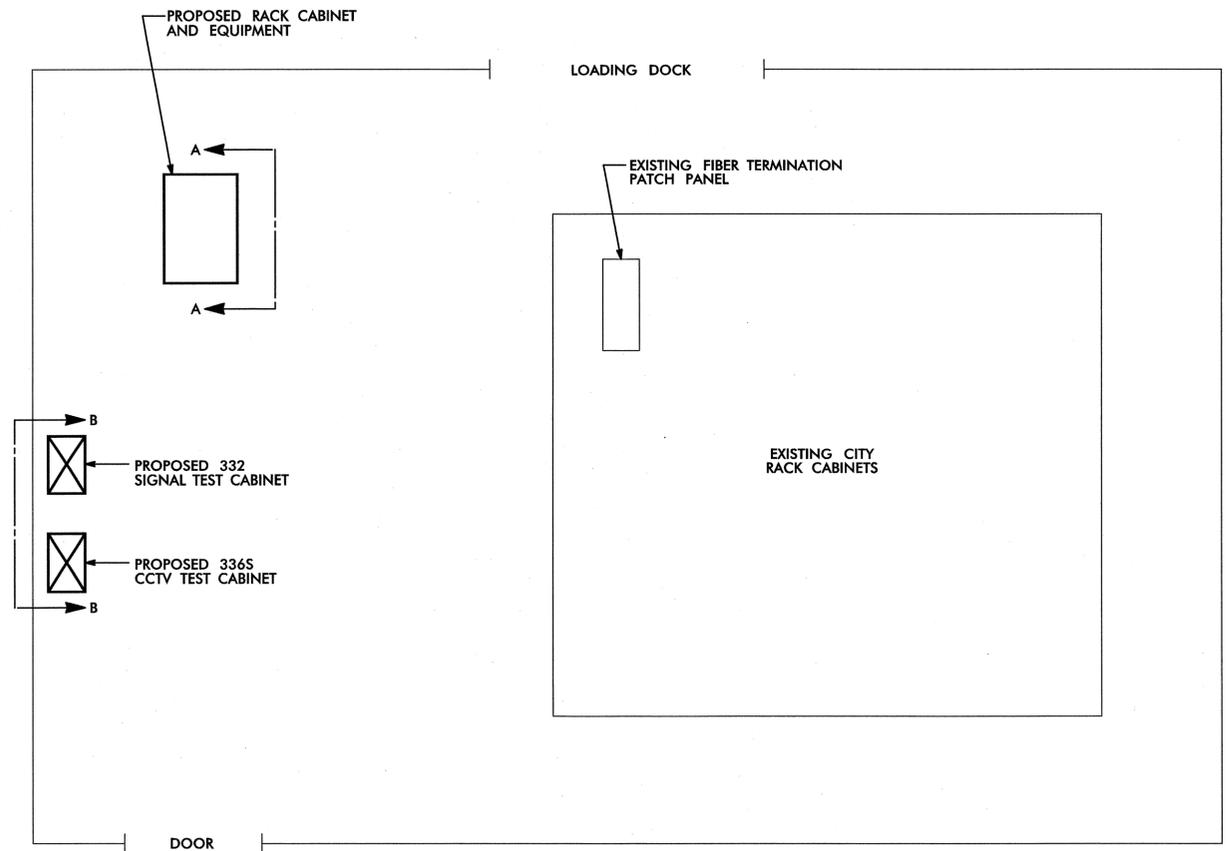
ROUTE CABLES FROM NETWORK ETHERNET SWITCH TO NEW WORKSTATION ALONG FLOORBOARD

TRAFFIC OPERATIONS CENTER AT 132 NORTH MAIN STREET



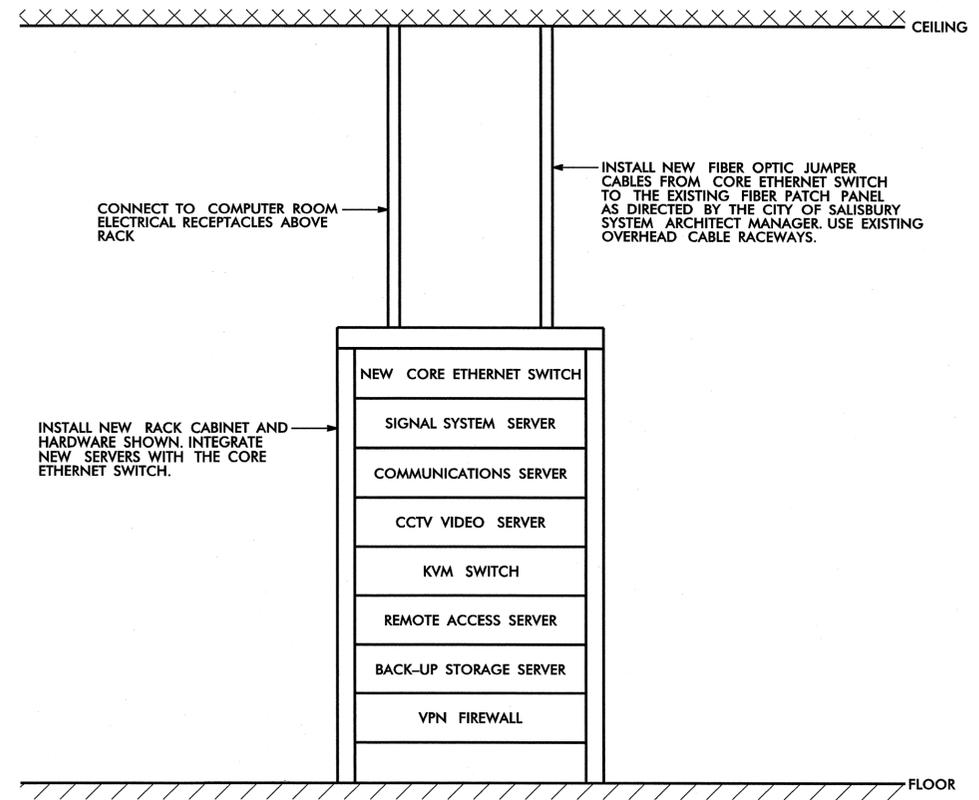
	<p>CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE CITY TRAFFIC OPERATIONS CENTER</p>								
	<p>DIVISION 9 ROWAN COUNTY SALISBURY</p> <p>PLAN DATE: JUNE 2013 REVIEWED BY: K.W. SMITH</p> <p>PREPARED BY: J.C. CROSS REVIEWED BY: T.F. BURCHETT</p>	<p>SCALE</p> <p>0</p>							
<p>PLANS PREPARED IN THE OFFICE OF:</p> <p>Kimley-Horn and Associates, Inc.</p> <p>NC License #F-0102 P.O. Box 33068 Raleigh, NC 27636 (919) 677-2000</p>		<table border="1"> <thead> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS	INIT.	DATE				<p>SEAL</p> <p>6/28/13</p> <p>SIGNATURE DATE</p> <p>CADD Filename:</p>
REVISIONS	INIT.	DATE							

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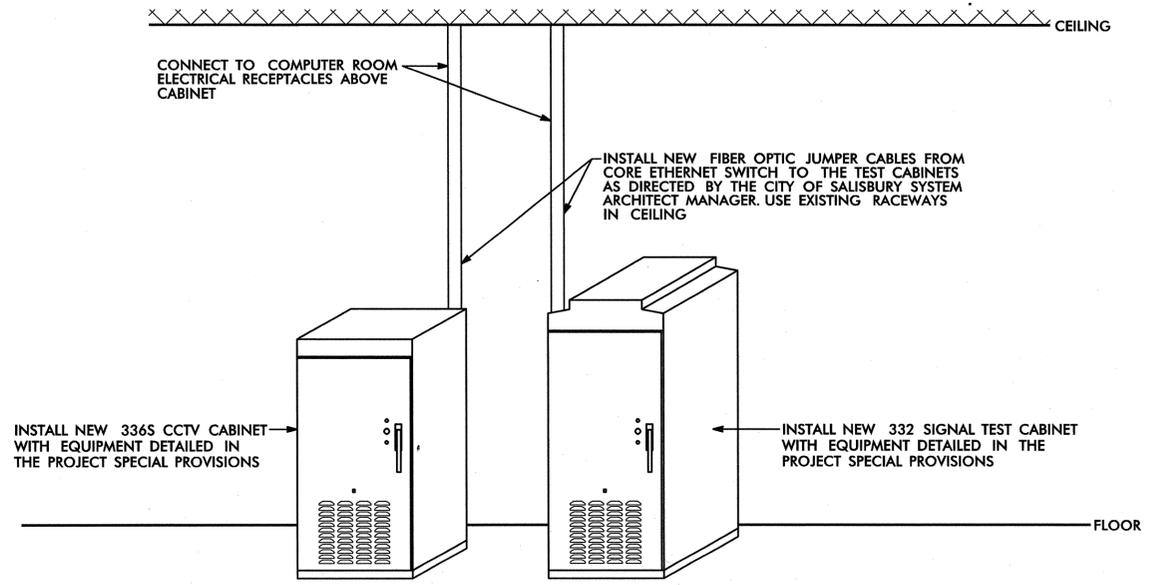


**CUSTOMER SERVICE CENTER COMPUTER ROOM
AT 1415 S. MLK JR. AVENUE**

NOTE: ALL EQUIPMENT SHALL BE INSTALLED AT LOCATIONS DIRECTED BY THE CITY OF SALISBURY SYSTEM ARCHITECT MANAGER.



SECTION A-A

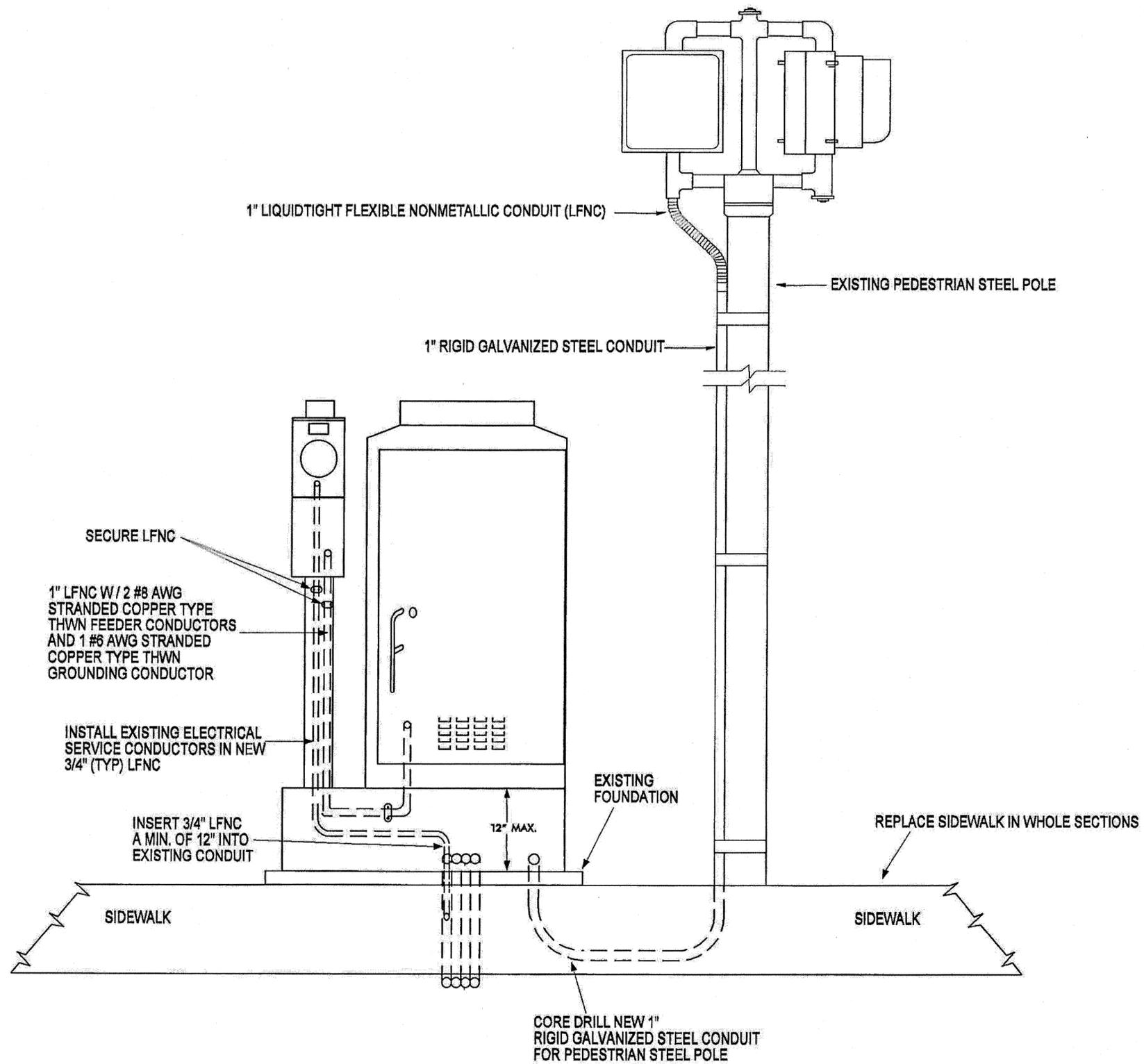


SECTION B-B

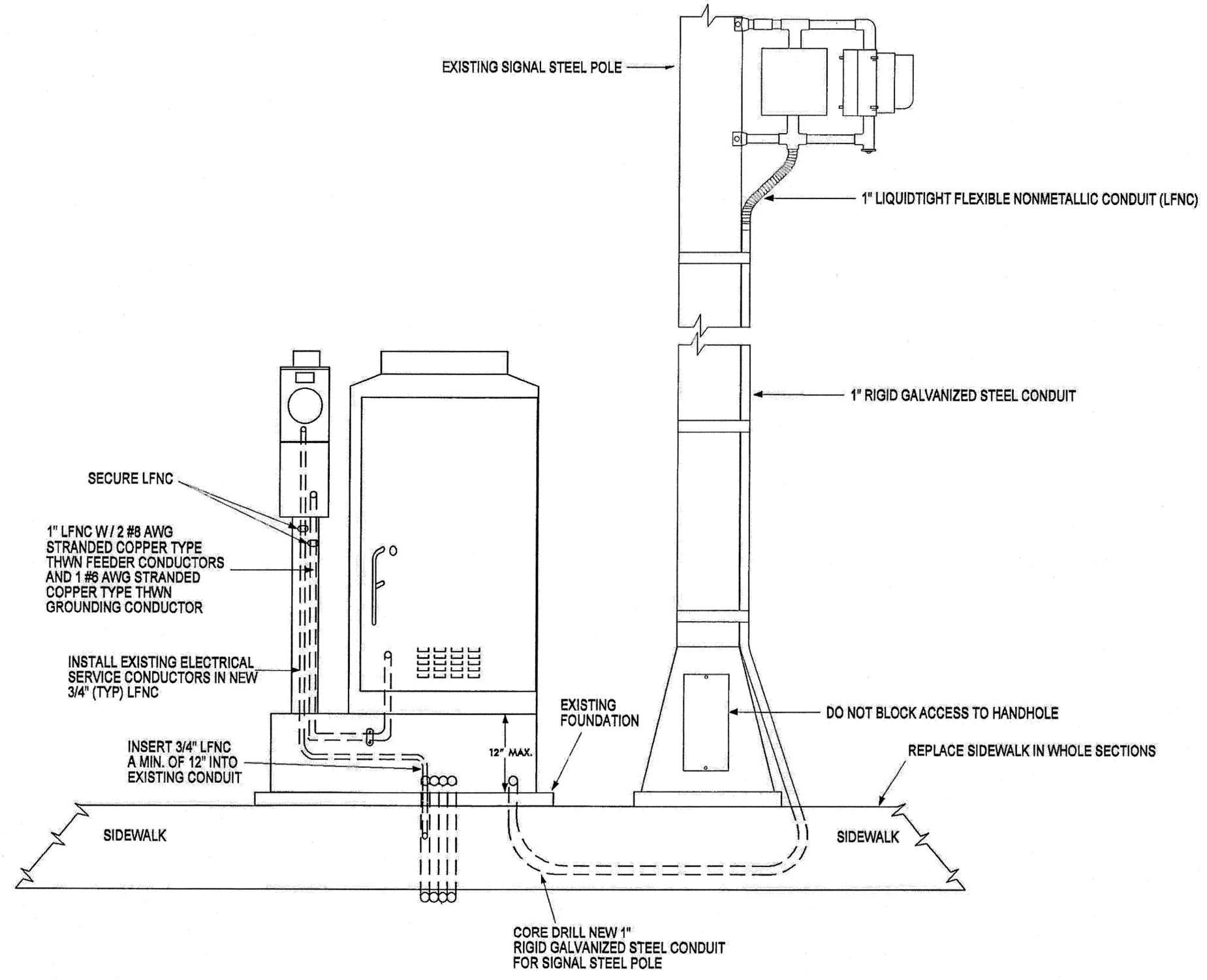
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PLANS PREPARED IN THE OFFICE OF:
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P.O. Box 33068
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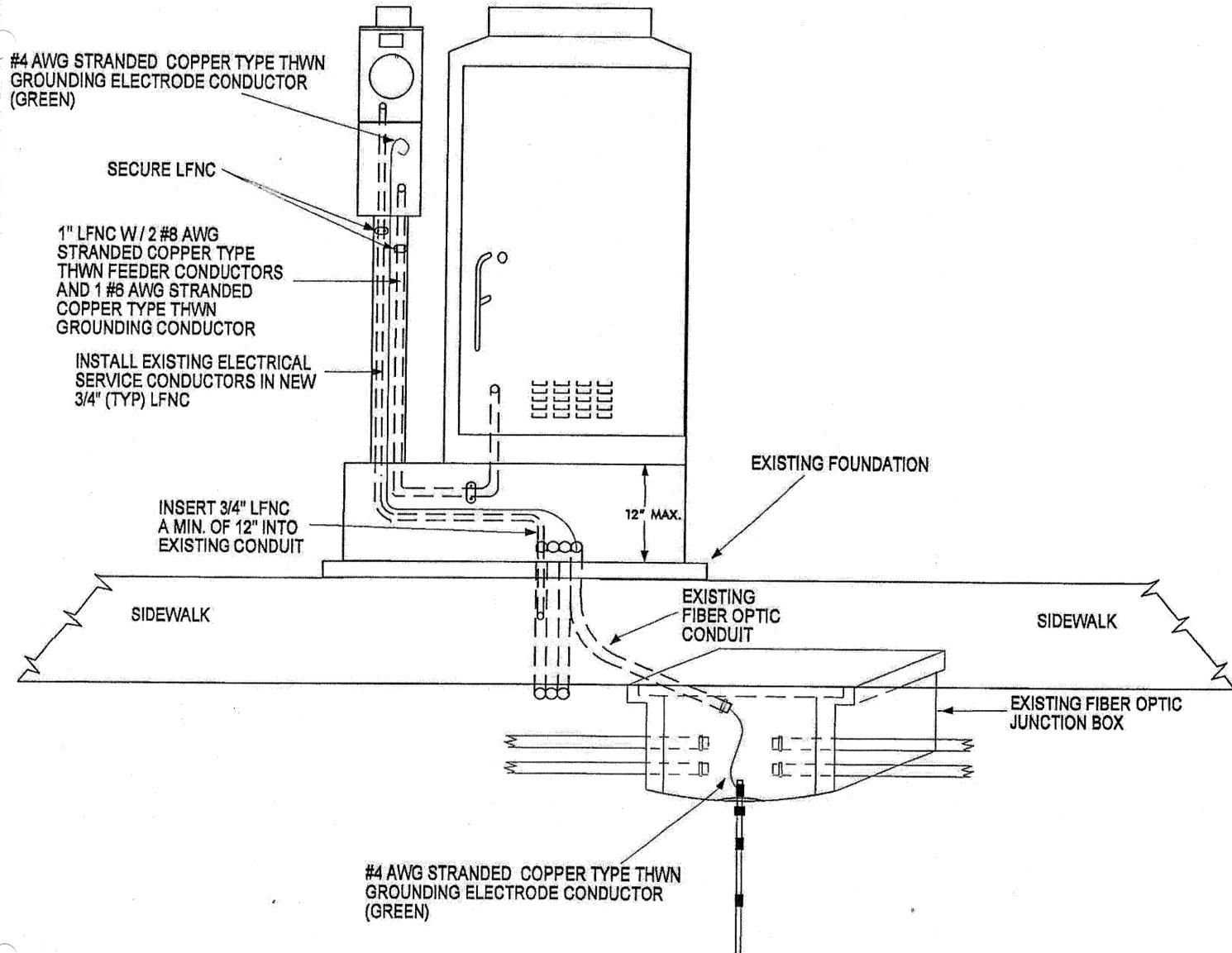
	CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE CITY FIBER TERMINATION		
	DIVISION 9 ROWAN COUNTY SALISBURY		
	PLAN DATE: JUNE 2013	REVIEWED BY: K.W. SMITH	
	PREPARED BY: J.C. CROSS	REVIEWED BY: T.F. BURCHETT	
SCALE: 0		REVISIONS	INIT. DATE
SIGNATURE: <i>M.W. Smith</i>		DATE: 6/25/13	CADD Filename:



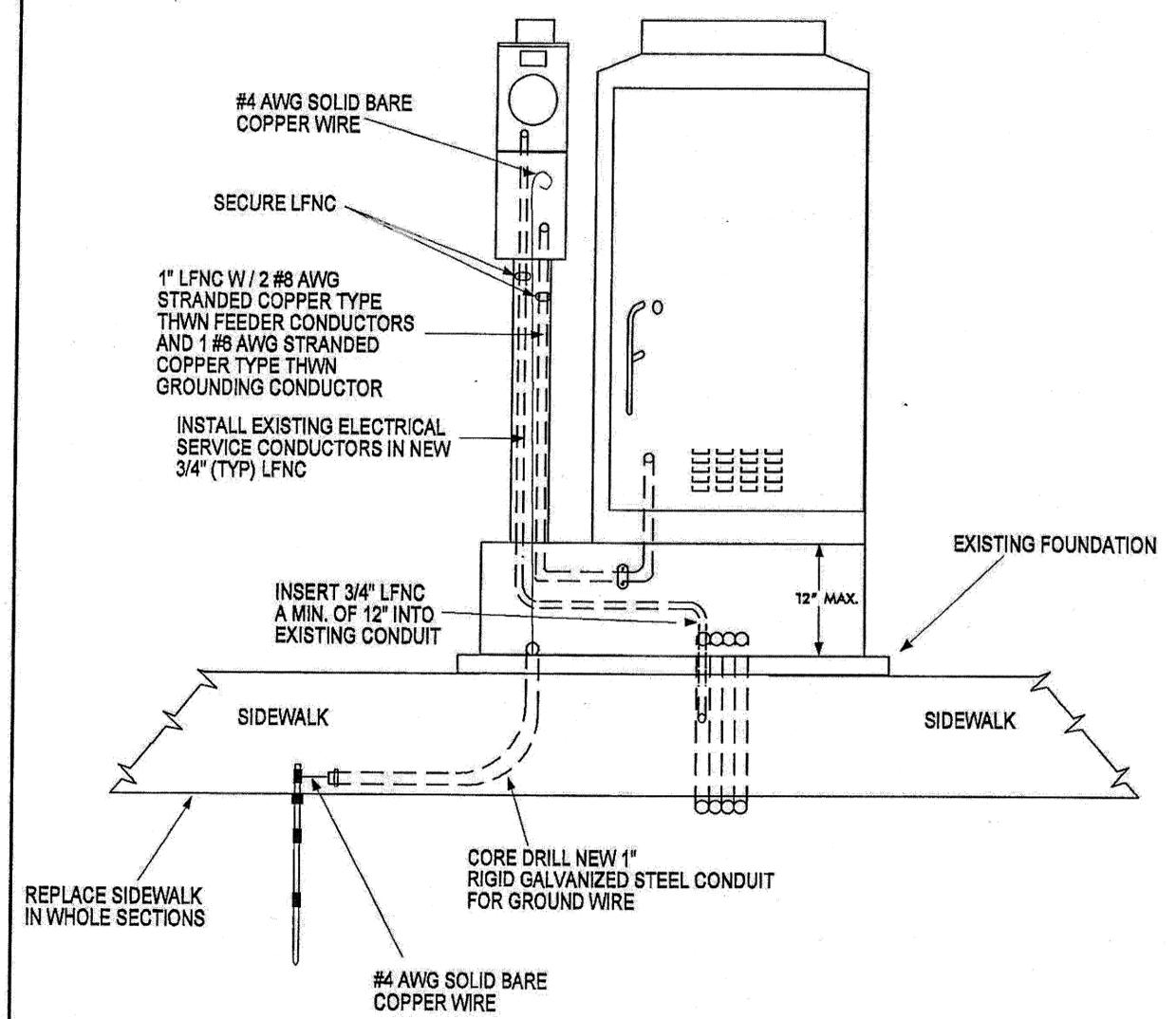
	CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE Electrical Service and Cabinet Foundations for Downtown Traffic Signals		SEAL GREGORY A. FULLER ENGINEER STATE OF NORTH CAROLINA
	DIVISION 09 ROWAN COUNTY SALISBURY PLAN DATE: FEBRUARY 2013 REVIEWED BY: G. A. FULLER PREPARED BY: G. D. WULDROW REVIEWED BY: W. H. BRASWELL		
REVISIONS _____ INIT. DATE _____ _____		SIGNATURE: <i>Gregory A. Fuller</i> DATE: 2-28-13 <small>DATE FILED</small>	



 <p>Prepared in the Offices of Mobility and Transportation UNIVERSITY OF NORTH CAROLINA SCHOOL OF TRANSPORTATION PLANNING, RESEARCH AND DESIGN 750 N. Greenfield Plaza, Cary, NC 27529</p>	CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE Electrical Service and Cabinet Foundations for Downtown Traffic Signals		SEAL  GREGORY A. FULLER ENGINEER								
	DIVISION 09 ROWAN COUNTY SALISBURY PLAN DATE: FEBRUARY 2013 REVIEWED BY: G. A. FULLER PREPARED BY: C. D. WULDROW REVIEWED BY: W. H. BRASWELL	<table border="1"> <thead> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS	INIT.	DATE					
REVISIONS	INIT.	DATE									
SIGNATURE: <i>Gregory A. Fuller</i> DATE: 2-28-13		SEAL: 									



OPTION 1



OPTION 2

<p>Prepared in the Office of: UNIVERSITY OF NORTH CAROLINA AT SALISBURY DEPARTMENT OF TRANSPORTATION</p> <p>350 N. Greenfield Street, Salisbury, NC 27329</p>	<p>CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE Electrical Service and Cabinet Foundations for Downtown Traffic Signals</p> <p>DIVISION 08 ROWAN COUNTY SALISBURY</p> <p>PLAN DATE: FEBRUARY 2013 REVIEWED BY: G. A. FULLER</p> <p>PREPARED BY: C. D. HULDROW REVIEWED BY: W. W. BRASWELL</p> <table border="1"> <thead> <tr> <th>REVISIONS</th> <th>INT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS	INT.	DATE				<p>SEAL</p> <p><i>Gregory A. Fuller</i> 2-28-13</p> <p>SIGNATURE DATE</p> <p>SEAL FILE NO.:</p>
	REVISIONS	INT.	DATE					

SUMMARY OF WORK BY INTERSECTION

No.	ID	Street 1	Street 2	Signal Cabinets and Controllers															
				Remove Existing Base Mounted Cabinet	Remove Existing Pole Mounted Cabinet	Install New Base Mounted 332 Cabinet	Install New Base Mounted 332 Cabinet (Painted Finish)	Install New Base Mounted 332 Cabinet with Aux File	Install New Base Mounted 332 Cabinet with Aux File (Painted Finish)	Install New Base Mounted 332 Cabinet with Reconfigured Equipment Layout	Reuse Existing 332 Cabinet and 2070 Controller	Remove Existing Local Controller	Remove Existing Master Controller	Install New 2070 Controller	Install New 2070 Detector Card	Reconnect Existing Emergency Vehicle Preemption Equipment	Install New Terminal Splice Box	Install New Aerial Splice Enclosure	
1	09-0202	Innes Street	Statesville Boulevard	1				1					1		1	4	1		
2	09-0203	Jake Alexander Boulevard	Statesville Boulevard	1				1					1	1	1	8	1		
3	09-0204	Innes Street	Grove Street	1				1					1	1	1	1	1		
4	09-0205	Mocksville Avenue	Mahaley Avenue	1				1					1		1	5	1		
5	09-0206	Innes Street	Craige Street	1		1							1		1	1	1		
6	09-0207	Innes Street	Ellis Street	1				1					1		1	6	1		
7	09-0210	Innes Street	Fulton Street	1				1					1		1	4	1		
8	09-0212	Innes Street	Jackson Street		1				1				1		1	1	1	1	1
9	09-0214	Innes Street	Church Street	1					1				1		1	2	1		
10	09-0217	Main Street	Harrison Street	1		1							1	1	1	1	1		
11	09-0219	Main Street	Monroe Street	1		1							1		1		1		
12	09-0220	Main Street	Horah Street	1			1						1		1		1		
13	09-0221	Main Street	Bank Street	1			1						1		1		1		
14	09-0222	Main Street	Fisher Street	1			1						1	1	1		1		
15	09-0223	Main Street	Innes Street	1					1				1	1	1		1		
16	09-0224	Main Street	Council Street	1			1						1	1	1		1		
17	09-0225	Main Street	Liberty Street	1			1						1		1		1		
18	09-0226	Main Street	Kerr Street	1			1						1		1		1		
19	09-0227	Main Street	Henderson Street	1			1						1		1	2	1		
20	09-0228	Main Street	Eleventh Street	1			1						1		1	4	1		
21	09-0231	Innes Street	Lee Street	1					1				1		1		1		
22	09-0235	Long Street	Bank Street		1			1					1		1	2		1	1
23	09-0236	Innes Street	Depot Street	1					1				1		1		1		
24	09-0238	Innes Street	Long Street	1				1					1		1	4	1		
25	09-0239	Long Street	Kerr Street	1				1					1		1	2			
26	09-0240	Long Street	Bringle Ferry Road	1				1					1		1	4			
27	09-0244	Main Street	Mooresville Road	1				1					1		1	5	1		
28	09-0246	Fulton Street	Monroe Street		1		1						1		1	1		1	1
29	09-0247	Statesville Boulevard	Brenner Avenue	1		1							1		1	2	1		
30	09-0253	Innes Street	Faith Road	1				1					1		1	9	1		
31	09-0255	Innes Street	Avalon Drive	1				1					1	1	1	6	1		
32	09-0256	Main Street	Rowan Mill Road	1				1					1		1	4	1		
33	09-0266	Jake Alexander Boulevard	Old Concord Road	1				1					1		1	8	1		
34	09-0272	Innes Street	Martin Luther King Jr. Avenue	1				1					1		1	6	1		
35	09-0276	Ellis Street	Monroe Street		1		1						1		1			1	1
36	09-0277	Innes Street	Merritt Avenue	1		1							1		1	2	1		
37	09-0351	Jake Alexander Boulevard	Mooresville Road	1				1					1	1	1	10	1		
38	09-0355	Jake Alexander Boulevard	Klumac Road	1				1					1		1	6	1		
39	09-0356	Main Street	Jake Alexander Boulevard	1				1					1		1	5	1		
40	09-0357	Main Street	Sunset Drive	1				1					1		1	7	1		
41	09-0358	Jake Alexander Boulevard	I-85 NB Ramp	1				1					1		1	4	1		
42	09-0369	Statesville Boulevard	Enon Church Road	1				1					1		1	6	1		
43	09-0483	Jake Alexander Boulevard	Industrial Avenue	1				1					1		1	4	1		

K:\BAL\PROJECTS\Salisbury Signal System\100_P&E\Plans\09-003a_sow.tbl.dgn 6/25/2013 11:37:40 AM JUSER

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 NC License #F-0102
 P.O. Box 33068
 Raleigh, NC 27636
 (919) 877-2000



750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF SALISBURY
COMPUTERIZED
SIGNAL SYSTEM UPGRADE
SUMMARY OF WORK
BY INTERSECTION

DIVISION 9 ROWAN COUNTY SALISBURY

PLAN DATE: JUNE 2013 REVIEWED BY: K.W. SMITH
 PREPARED BY: J.C. CROSS REVIEWED BY: T.F. BURCHETT

REVISIONS: _____ INIT. DATE: _____



SEAL
 NORTH CAROLINA
 PROFESSIONAL ENGINEER
 KEVIN W. SMITH
 030472

Kevin W. Smith 6/25/13
 SIGNATURE DATE

CADD Filename: _____

SUMMARY OF WORK BY INTERSECTION

PROJECT REFERENCE NO. C-5553 SHEET NO. 3B

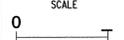
No.	ID	Street 1	Street 2	Signal Cabinets and Controllers															
				Remove Existing Base Mounted Cabinet	Remove Existing Pole Mounted Cabinet	Install New Base Mounted 332 Cabinet	Install New Base Mounted 332 Cabinet (Painted Finish)	Install New Base Mounted 332 Cabinet with Aux File	Install New Base Mounted 332 Cabinet with Aux File (Painted Finish)	Install New Base Mounted 332 Cabinet with Reconfigured Equipment Layout	Reuse Existing 332 Cabinet and 2070 Controller	Remove Existing Local Controller	Remove Existing Master Controller	Install New 2070 Controller	Install New 2070 Detector Card	Reconnect Existing Emergency Vehicle Preemption Equipment	Install New Terminal Splice Box	Install New Aerial Splice Enclosure	
44	09-0576	Jake Alexander Boulevard	Lincolnton Road	1				1					1		1	10	1		
45	09-0635	Old Concord Road	Martin Luther King Jr. Avenue	1				1					1		1	4			
46	09-0636	Main Street	Airport Road	1				1					1		1	3			
47	09-0640	Jake Alexander Boulevard	Julian Road	1				1					1	1	1	9	1		
48	09-0725	Jake Alexander Boulevard	Brenner Avenue	1				1					1		1	4	1		
49	09-0781	Jake Alexander Boulevard	Woodleaf Road	1				1					1		1	6			
50	09-0785	Jake Alexander Boulevard	Harrison Street	1				1					1		1	5	1		
51	09-0807	Mooreville Road	Rowan Mill Road										1						
52	09-0876	Julian Road	Old Concord Road										1						
53	09-0915	Statesville Boulevard	Salisbury Mall	1				1					1		1	6	1		
54	09-0928	Jake Alexander Boulevard	I-85 SB Ramp	1				1					1		1	4	1		
55	09-0932	Jake Alexander Boulevard	Faith Road	1				1					1		1	8	1		
56	09-0933	Jake Alexander Boulevard	Innes Street	1				1					1		1	9	1		
57	09-0956	Long Street	Eleventh Street	1				1					1		1	4			
58	09-0989	Executive Drive	Harrison Street	1				1					1		1	4			
59	09-0991	Julian Road	I-85 SB Ramp	1				1					1		1	8			
60	09-0992	Julian Road	I-85 NB Ramp	1				1					1		1	6			
61	09-0994	Old Concord Road	Gold Hill Drive	1		1							1		1	3			
62	09-1067	Statesville Boulevard	Hurley School Road	1				1					1		1	6	1		
63	09-1068	Statesville Boulevard	Majolica Road	1				1					1		1	8	1		
64	09-1075	Faith Road	Newsome Road	1				1					1		1	6	1		
65	09-1102	Faith Road	Avalon Drive	1		1							1		1	4	1		
66	09-1109	Innes Street	Arlington Street	1				1					1		1	8	1		
67	09-1180	Jake Alexander Boulevard	RCCC Entrance	1				1					1		1	5	1		
68	09-1212	Julian Road	Summit Park Drive	1				1					1		1	4			
69	09-1224	Jake Alexander Boulevard	Wal-Mart Entrance	1				1					1		1	7	1		
70	09-1234	Innes Street	I-85 NB/SB Ramps	1						1			1		1	8	1		
71	09-1256	Klumac Road	Martin Luther King Jr. Avenue	1				1					1		1				
72	09-1259	Innes Street	Newsome Road	1				1					1		1	4	1		
73	09-1279	Statesville Boulevard	Lash Drive	1				1					1		1	4	1		
74	09-1309	Jake Alexander Boulevard	Castlewood Drive	1				1					1		1	6	1		
75	CITY-01	Arlington Street	Freeland Drive	1				1					1		1	5			
76	CITY-02	Fulton Street	Harrison Street	1		1							1		1	2			
77	CITY-03	Fulton Street	Lincolnton Road	1		1							1		1	1			
78	CITY-04	Ellis Street	Horah Street		1		1						1		1			1	1
79	CITY-05	Fulton Street	Horah Street		1		1						1		1	2		1	1
80	CITY-06	Church Street	Horah Street	1						1			1		1	3			
81	CITY-07	Brenner Avenue	Old Wilkesboro Road		1			1					1		1	4		1	1
82	CITY-08	Fulton Street	Kerr Street		1	1							1		1			1	1
83	CITY-09	Cemetery Street	Ellis Street		1	1							1		1	2		1	1
84	CITY-10	Mocksville Avenue	Grove Street	1		1							1		1	2			
85	CITY-11	Mahaley Avenue	Park Road	1				1					1		1	6	1		
86	CITY-12	Innes Street	Central Fire Station (Flasher)		1	1							1		1		1		1
Total				74	10	13	12	52	6	1	2	84	9	84	326	59	10	9	

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 P.O. Box 33068
 Raleigh, NC 27636
 919-871-2000

 TRANSPORTATION DIVISION 9	CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE SUMMARY OF WORK BY INTERSECTION		SEAL  NORTH CAROLINA PROFESSIONAL ENGINEER KEVIN W. SMITH 030472
	DIVISION 9 ROWAN COUNTY SALISBURY	PREPARED BY: J.C. CROSS REVIEWED BY: K.W. SMITH REVIEWED BY: T.F. BURCHETT	
SCALE 	REVISIONS _____ _____ _____	INIT. _____ _____ _____	DATE _____ _____ _____

CADD Filename: _____

SUMMARY OF WORK BY INTERSECTION

No.	ID	Street 1	Street 2	Cabinet Foundations								Electrical Service		
				Install New Cabinet Foundation (Same Quadrant)	Modify Existing Foundation	Remove Existing Cabinet Foundation	Rotate Existing Cabinet Orientation 90 Degrees	Install Base Adapter	Install Base Adapter (Painted Finish)	Install Base Adapter with Electrical Combination Panel (Painted Finish)	Install Base Extender	Install Base Extender (Painted Finish)	Modify Existing Electrical Service (New Disconnect)	Replace Existing Grounding System
1	09-0202	Innes Street	Statesville Boulevard		1			1	1					
2	09-0203	Jake Alexander Boulevard	Statesville Boulevard		1			1	1				1	
3	09-0204	Innes Street	Grove Street	1		1					1			
4	09-0205	Mocksville Avenue	Mahaley Avenue				1				1			
5	09-0206	Innes Street	Craige Street	1		1					1		1	
6	09-0207	Innes Street	Ellis Street		1		1	1					1	
7	09-0210	Innes Street	Fulton Street		1		1	1					1	
8	09-0212	Innes Street	Jackson Street	1								1		
9	09-0214	Innes Street	Church Street				1			1				1
10	09-0217	Main Street	Harrison Street		1		1	1					1	
11	09-0219	Main Street	Monroe Street				1				1			
12	09-0220	Main Street	Horah Street				1							1
13	09-0221	Main Street	Bank Street				1				1			1
14	09-0222	Main Street	Fisher Street				1				1			1
15	09-0223	Main Street	Innes Street								1			1
16	09-0224	Main Street	Council Street								1			1
17	09-0225	Main Street	Liberty Street				1				1			1
18	09-0226	Main Street	Kerr Street				1				1			1
19	09-0227	Main Street	Henderson Street		1		1		1					
20	09-0228	Main Street	Eleventh Street				1					1		
21	09-0231	Innes Street	Lee Street				1				1			1
22	09-0235	Long Street	Bank Street	1							1		1	
23	09-0236	Innes Street	Depot Street		1		1			1				1
24	09-0238	Innes Street	Long Street		1		1	1					1	
25	09-0239	Long Street	Kerr Street				1				1			
26	09-0240	Long Street	Bringle Ferry Road		1		1	1					1	
27	09-0244	Main Street	Mooreville Road				1				1		1	
28	09-0246	Fulton Street	Monroe Street	1								1	1	
29	09-0247	Statesville Boulevard	Brenner Avenue		1		1	1						
30	09-0253	Innes Street	Faith Road		1		1				1			
31	09-0255	Innes Street	Avalon Drive		1		1	1						
32	09-0256	Main Street	Rowan Mill Road				1				1			
33	09-0266	Jake Alexander Boulevard	Old Concord Road				1				1			
34	09-0272	Innes Street	Martin Luther King Jr. Avenue		1		1	1					1	
35	09-0276	Ellis Street	Monroe Street	1								1	1	
36	09-0277	Innes Street	Merritt Avenue		1		1	1						
37	09-0351	Jake Alexander Boulevard	Mooreville Road				1				1			
38	09-0355	Jake Alexander Boulevard	Klumac Road				1				1			
39	09-0356	Main Street	Jake Alexander Boulevard				1				1			
40	09-0357	Main Street	Sunset Drive				1				1			
41	09-0358	Jake Alexander Boulevard	I-85 NB Ramp				1				1			
42	09-0369	Statesville Boulevard	Enon Church Road				1				1			
43	09-0483	Jake Alexander Boulevard	Industrial Avenue				1				1			

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PLANS PREPARED IN THE OFFICE OF:

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

 CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE SUMMARY OF WORK BY INTERSECTION DIVISION 9 ROWAN COUNTY SALISBURY	PLAN DATE: JUNE 2013 PREPARED BY: J.C. CROSS	REVIEWED BY: K.W. SMITH REVIEWED BY: T.F. BURCHETT	SEAL  NORTH CAROLINA PROFESSIONAL ENGINEER KEVIN W. SMITH SEAL 030472
	REVISIONS _____ _____ _____	INIT. DATE _____ _____ _____	

SUMMARY OF WORK BY INTERSECTION

No.	ID	Street 1	Street 2	Cabinet Foundations								Electrical Service		
				Install New Cabinet Foundation (Same Quadrant)	Modify Existing Foundation	Remove Existing Cabinet Foundation	Rotate Existing Cabinet Orientation 90 Degrees	Install Base Adapter	Install Base Adapter (Painted Finish)	Install Base Adapter with Electrical Combination Panel (Painted Finish)	Install Base Extender	Install Base Extender (Painted Finish)	Modify Existing Electrical Service (New Disconnect)	Replace Existing Grounding System
44	09-0576	Jake Alexander Boulevard	Lincolnton Road				1					1		
45	09-0635	Old Concord Road	Martin Luther King Jr. Avenue				1					1		
46	09-0636	Main Street	Airport Road				1	1						
47	09-0640	Jake Alexander Boulevard	Julian Road				1	1						
48	09-0725	Jake Alexander Boulevard	Brenner Avenue				1					1		
49	09-0781	Jake Alexander Boulevard	Woodleaf Road	1		1						1		
50	09-0785	Jake Alexander Boulevard	Harrison Street				1					1		
51	09-0807	Mooreville Road	Rowan Mill Road											
52	09-0876	Julian Road	Old Concord Road											
53	09-0915	Statesville Boulevard	Salisbury Mall				1					1		
54	09-0928	Jake Alexander Boulevard	I-85 SB Ramp		1		1					1		
55	09-0932	Jake Alexander Boulevard	Faith Road				1					1		
56	09-0933	Jake Alexander Boulevard	Innes Street				1					1		
57	09-0956	Long Street	Eleventh Street				1					1		
58	09-0989	Executive Drive	Harrison Street				1					1		
59	09-0991	Julian Road	I-85 SB Ramp		1		1					1		
60	09-0992	Julian Road	I-85 NB Ramp				1					1		
61	09-0994	Old Concord Road	Gold Hill Drive				1					1		
62	09-1067	Statesville Boulevard	Hurley School Road		1		1					1		
63	09-1068	Statesville Boulevard	Majolica Road		1		1					1		
64	09-1075	Faith Road	Newsome Road		1		1					1		
65	09-1102	Faith Road	Avalon Drive		1		1					1		
66	09-1109	Innes Street	Arlington Street	1		1						1		
67	09-1180	Jake Alexander Boulevard	RCCC Entrance				1					1		
68	09-1212	Julian Road	Summit Park Drive				1					1		
69	09-1224	Jake Alexander Boulevard	Wal-Mart Entrance				1					1		
70	09-1234	Innes Street	I-85 NB/SB Ramps		1		1					2		
71	09-1256	Klumac Road	Martin Luther King Jr. Avenue		1		1					1		
72	09-1259	Innes Street	Newsome Road		1		1					1		
73	09-1279	Statesville Boulevard	Lash Drive		1		1					1		
74	09-1309	Jake Alexander Boulevard	Castlewood Drive		1		1					1		
75	CITY-01	Arlington Street	Freeland Drive		1		1					1		
76	CITY-02	Fulton Street	Harrison Street		1		1	1					1	
77	CITY-03	Fulton Street	Lincolnton Road		1		1	1					1	
78	CITY-04	Ellis Street	Horah Street	1								1	1	
79	CITY-05	Fulton Street	Horah Street	1								1	1	
80	CITY-06	Church Street	Horah Street		1		1					1	1	
81	CITY-07	Brenner Avenue	Old Wilkesboro Road	1								1		
82	CITY-08	Fulton Street	Kerr Street	1								1		
83	CITY-09	Cemetery Street	Ellis Street	1								1		
84	CITY-10	Mocksville Avenue	Grove Street		1		1					1		
85	CITY-11	Mahaley Avenue	Park Road		1		1	1						
86	CITY-12	Innes Street	Central Fire Station (Flasher)	1								1		
Total				14	31	4	68	16	1	10	51	7	17	10

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PLANS PREPARED IN THE OFFICE OF:

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 NC License #F-0102
 P.O. Box 33068
 Raleigh, NC 27636
 919-677-2000



750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF SALISBURY
COMPUTERIZED
SIGNAL SYSTEM UPGRADE
SUMMARY OF WORK
BY INTERSECTION

DIVISION 9 ROWAN COUNTY SALISBURY

PLAN DATE: JUNE 2013 REVIEWED BY: K.W. SMITH

PREPARED BY: J.C. CROSS REVIEWED BY: T.F. BURCHETT

REVISIONS	INIT.	DATE

SEAL



Kevin W. Smith 6/25/13
 SIGNATURE DATE

CADD Filename:

SUMMARY OF WORK BY INTERSECTION

No.	ID	Street 1	Street 2	Communications						Traffic Signal Equipment									
				Install New Fiber Interconnect Center (Standard)	Install New Fiber Interconnect Center (Oversized)	Remove Existing Fiber Interconnect Center	Modify Existing Splice Configuration	Install New Ethernet Field Switch	Remove Existing Fiber Optic Transceiver	Install New Vehicle Signal Head, 12" 3-Section	Install New Vehicle Signal Head, 12" 4-Section	Install New Vehicle Signal Head, 12" 5-Section	Install New Pedestrian Signal Head, 16" 1-Section with Countdown	Install New Pedestrian Signal Head, 16" 1-Section with Countdown (Dark Green Finish)	Install New Sign for Signals	Install New Signal Cable (feet)	Install New Lead-In Cable (feet)	Install New Unpaved Conduit (2, 2") (feet)	
1	09-0202	Innes Street	Statesville Boulevard	1		1		1	1			3					325		325
2	09-0203	Jake Alexander Boulevard	Statesville Boulevard		1	1		1	2						1				
3	09-0204	Innes Street	Grove Street	1		1		1	2	2							280		
4	09-0205	Mocksville Avenue	Mahaley Avenue	1		1		1	1	3	1						380		
5	09-0206	Innes Street	Craige Street	1		1		1	1										
6	09-0207	Innes Street	Ellis Street	1		1		1	1		2						200		
7	09-0210	Innes Street	Fulton Street	1		1		1	1		4						490		
8	09-0212	Innes Street	Jackson Street	1		1		1	1	1							250	20	
9	09-0214	Innes Street	Church Street	1		1		1	1		1						225		
10	09-0217	Main Street	Harrison Street	1		1		1	2										
11	09-0219	Main Street	Monroe Street	1		1		1	1										
12	09-0220	Main Street	Horah Street	1		1		1	1										
13	09-0221	Main Street	Bank Street	1		1		1	1						8				
14	09-0222	Main Street	Fisher Street	1		1		1	2										
15	09-0223	Main Street	Innes Street		1	1	1	1	2						8				
16	09-0224	Main Street	Council Street	1		1		1	2						8				
17	09-0225	Main Street	Liberty Street		1	1		1	1										
18	09-0226	Main Street	Kerr Street	1		1		1	1										
19	09-0227	Main Street	Henderson Street	1		1		1	1										
20	09-0228	Main Street	Eleventh Street	1		1		1	1										
21	09-0231	Innes Street	Lee Street	1		1		1	1										
22	09-0235	Long Street	Bank Street	1		1		1	1	2						450	50	20	
23	09-0236	Innes Street	Depot Street	1		1		1	1										
24	09-0238	Innes Street	Long Street		1	1		1	1		4						200		
25	09-0239	Long Street	Kerr Street	1		1		1	1	2									
26	09-0240	Long Street	Bringle Ferry Road	1		1		1	1	3									
27	09-0244	Main Street	Mooreville Road	1		1		1	1										
28	09-0246	Fulton Street	Monroe Street	1		1		1	1							100	50	20	
29	09-0247	Statesville Boulevard	Brenner Avenue	1		1		1	1										
30	09-0253	Innes Street	Faith Road	1		1		1	1	1	2				1		425		
31	09-0255	Innes Street	Avalon Drive		1	1		1	2	4	2						680		
32	09-0256	Main Street	Rowan Mill Road	1		1		1	1	2									
33	09-0266	Jake Alexander Boulevard	Old Concord Road	1		1		1	1		4						560		
34	09-0272	Innes Street	Martin Luther King Jr. Avenue	1		1		1	1	2	2						530		
35	09-0276	Ellis Street	Monroe Street	1		1		1	1								100	20	
36	09-0277	Innes Street	Merritt Avenue	1		1		1	1										
37	09-0351	Jake Alexander Boulevard	Mooreville Road		1	1		1	2		4	1					660		
38	09-0355	Jake Alexander Boulevard	Klumac Road	1		1		1	1		2								
39	09-0356	Main Street	Jake Alexander Boulevard	1		1		1	1		1				1		300		
40	09-0357	Main Street	Sunset Drive		1	1	1	1	1		2				1		220		
41	09-0358	Jake Alexander Boulevard	I-85 NB Ramp	1		1		1	1		1						200		
42	09-0369	Statesville Boulevard	Enon Church Road	1		1		1	1	2							310		
43	09-0483	Jake Alexander Boulevard	Industrial Avenue	1		1		1	1	1									

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 NC License #F-0102
 P.O. Box 33068
 Raleigh, NC 27636
 (919) 877-2000



750 N. Greenfield Pkwy., Garner, NC 27529
 SCALE: 0

CITY OF SALISBURY
COMPUTERIZED SIGNAL SYSTEM UPGRADE SUMMARY OF WORK BY INTERSECTION

DIVISION 9 ROWAN COUNTY SALISBURY
 PLAN DATE: JUNE 2013 REVIEWED BY: K.W. SMITH
 PREPARED BY: J.C. CROSS REVIEWED BY: T.F. BURCHETT

REVISIONS	INIT.	DATE

SEAL



KEVIN W. SMITH
 ENGINEER
 SEAL 030472

Kevin W. Smith 6/25/13
 SIGNATURE DATE

CADD Filename:

SUMMARY OF WORK BY INTERSECTION

No.	ID	Street 1	Street 2	Communications						Traffic Signal Equipment								
				Install New Fiber Interconnect Center (Standard)	Install New Fiber Interconnect Center (Oversized)	Remove Existing Fiber Interconnect Center	Modify Existing Splice Configuration	Install New Ethernet Field Switch	Remove Existing Fiber Optic Transceiver	Install New Vehicle Signal Head, 12" 3-Section	Install New Vehicle Signal Head, 12" 4-Section	Install New Vehicle Signal Head, 12" 5-Section	Install New Pedestrian Signal Head, 16" 1-Section with Countdown	Install New Pedestrian Signal Head, 16" 1-Section with Countdown (Dark Green Finish)	Install New Sign for Signals	Install New Signal Cable (feet)	Install New Lead-In Cable (feet)	Install New Unpaved Conduit (2, 2") (feet)
44	09-0576	Jake Alexander Boulevard	Lincolnton Road	1		1		1	1		4				1	670		
45	09-0635	Old Concord Road	Martin Luther King Jr. Avenue	1		1		1	1		2					270		
46	09-0636	Main Street	Airport Road	1		1		1	1		1							
47	09-0640	Jake Alexander Boulevard	Julian Road	1		1		1	2									
48	09-0725	Jake Alexander Boulevard	Brenner Avenue		1	1	1	1	1		1							
49	09-0781	Jake Alexander Boulevard	Woodleaf Road	1		1		1	1		1	1				330		
50	09-0785	Jake Alexander Boulevard	Harrison Street	1		1		1	1		1							
51	09-0807	Mooresville Road	Rowan Mill Road															
52	09-0876	Julian Road	Old Concord Road															
53	09-0915	Statesville Boulevard	Salisbury Mall	1		1		1	1		2	2				270		
54	09-0928	Jake Alexander Boulevard	I-85 SB Ramp	1		1		1	1		1	1			2	570		
55	09-0932	Jake Alexander Boulevard	Faith Road	1		1		1	1									
56	09-0933	Jake Alexander Boulevard	Innes Street	1		1		1	1		2	2				550		
57	09-0956	Long Street	Eleventh Street	1		1		1	1		1	1				150		
58	09-0989	Executive Drive	Harrison Street	1		1		1	1		1	1				120		
59	09-0991	Julian Road	I-85 SB Ramp	1		1		1	1		2	4				1000		
60	09-0992	Julian Road	I-85 NB Ramp	1		1		1	1		1	1				140		
61	09-0994	Old Concord Road	Gold Hill Drive	1		1		1	1									
62	09-1067	Statesville Boulevard	Hurley School Road	1		1		1	1		3	1				700		
63	09-1068	Statesville Boulevard	Majolica Road	1		1		1	1		3	2				970		
64	09-1075	Faith Road	Newsome Road	1		1		1	1		1	1				125		
65	09-1102	Faith Road	Avalon Drive	1		1		1	1				1			180		
66	09-1109	Innes Street	Arlington Street		1	1		1	1		3	4	1		2	700		
67	09-1180	Jake Alexander Boulevard	RCCC Entrance	1		1		1	1			2						
68	09-1212	Julian Road	Summit Park Drive	1		1		1	1		1	1				150		
69	09-1224	Jake Alexander Boulevard	Wal-Mart Entrance	1		1		1	1		3	1				470		
70	09-1234	Innes Street	I-85 NB/SB Ramps	1		1		1	1									
71	09-1256	Klumac Road	Martin Luther King Jr. Avenue	1		1		1	1									
72	09-1259	Innes Street	Newsome Road	1		1		1	1		1	1				180		
73	09-1279	Statesville Boulevard	Lash Drive	1		1		1	1		1	1				330		
74	09-1309	Jake Alexander Boulevard	Castlewood Drive	1		1		1	1		1	3				90		
75	CITY-01	Arlington Street	Freeland Drive	1		1		1	1		1	1				600		
76	CITY-02	Fulton Street	Harrison Street		1	1		1	1		4					1650		
77	CITY-03	Fulton Street	Lincolnton Road	1		1		1	1									
78	CITY-04	Ellis Street	Horah Street		1	1		1	1									20
79	CITY-05	Fulton Street	Horah Street	1		1		1	1									20
80	CITY-06	Church Street	Horah Street	1		1		1	1									
81	CITY-07	Brenner Avenue	Old Wilkesboro Road	1		1		1	1		10					625		20
82	CITY-08	Fulton Street	Kerr Street	1		1		1	1		4					295		20
83	CITY-09	Cemetery Street	Ellis Street	1		1		1	1		4					275		20
84	CITY-10	Mocksville Avenue	Grove Street	1		1		1	1									
85	CITY-11	Mahaley Avenue	Park Road		1	1		1	1		7	1	1	2		900		
86	CITY-12	Innes Street	Central Fire Station (Flasher)															20
Total				71	12	83	3	83	92	85	72	4	2	24	9	19,195	100	525

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 (919) 677-2000



750 N. Greenfield Pkwy., Garner, NC 27529

CITY OF SALISBURY
COMPUTERIZED
SIGNAL SYSTEM UPGRADE
SUMMARY OF WORK
BY INTERSECTION

DIVISION 9 ROWAN COUNTY SALISBURY

PLAN DATE: JUNE 2013 REVIEWED BY: K.W. SMITH
 PREPARED BY: J.C. CROSS REVIEWED BY: T.F. BURCHETT

REVISIONS	INIT.	DATE

SEAL



KEVIN W. SMITH
 ENGINEER
 License #030472

Kevin W. Smith 6/25/13
 SIGNATURE DATE

CADD Filename:

SUMMARY OF WORK FOR CCTV AND WIRELESS

Sheet No.	Splice Detail Sheet No.	Description	Conduit and Risers								
			Install New Underground Conduit, Directional Drill (2)(2")	Install New Junction Box (Standard Size)	Install New Junction Box (Oversized)	Install New Delineator Marker	Install New 2" Riser with Weatherhead	Replace Existing Weatherhead with Heat Shrink Tubing Using Retrofit Kit	Install New Conduit Entrance into Existing Foundation	Install New Conduit into Existing Pole Mounted Cabinet	
			LF	EA	EA	EA	EA	EA	EA		
4	10	Existing CCTV 1 at Jake Alexander Blvd & I-85									
5	11	Existing CCTV 2 at Jake Alexander Blvd & YMCA									
6	12	Existing CCTV 3 at Innes St & Main St									
7	13	Proposed CCTV 4 at Jake Alexander Blvd & Main St	550		3	1	1			1	1
8	N/A	Proposed CCTV 5 at Jake Alexander Blvd & Statesville Blvd	120	2			1			1	1
9	N/A	Wireless Radio along Julian Rd between Summit Park Dr & Old Concord Rd						2			
TOTAL			670	2	3	1	2	2	2	2	2

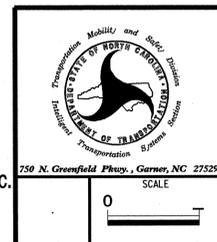
Sheet No.	Splice Detail Sheet No.	Description	Communications									
			Install New Ethernet Cable	Install New Drop Cable (6-Fiber)	Install New Tracer Wire	Install New Fiber Interconnect Center (Standard)	Modify Existing Fiber Interconnect Center	Remove Existing Fiber Interconnect Center	Modify Existing Splice Enclosure	Install New 900 Mhz Radio Transceiver	Install New Yagi Antenna	
			LF	LF	LF	EA	EA	EA	EA	EA	EA	
4	10	Existing CCTV 1 at Jake Alexander Blvd & I-85				1			1			
5	11	Existing CCTV 2 at Jake Alexander Blvd & YMCA				1	1	1				
6	12	Existing CCTV 3 at Innes St & Main St				1	1	1				
7	13	Proposed CCTV 4 at Jake Alexander Blvd & Main St		700	550	1	1					
8	N/A	Proposed CCTV 5 at Jake Alexander Blvd & Statesville Blvd	240									
9	N/A	Wireless Radio along Julian Rd between Summit Park Dr & Old Concord Rd								2		2
TOTAL			240	700	550	4	3	3	1	2	2	2

Sheet No.	Splice Detail Sheet No.	Description	CCTV										
			Install New CCTV Camera Assembly	Remove Existing CCTV Camera Assembly	Install New Ethernet Field Switch	Remove Existing Fiber Optic Video Transceiver	Install New Pole Mounted CCTV Equipment Cabinet	Remove Existing Pole Mounted Field Equipment Cabinet	Install New 50' Wood Pole	Reuse Existing Wood Pole	Reuse Existing Pedestal	Install New Electrical Service	Reuse Existing Electrical Service
			EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
4	10	Existing CCTV 1 at Jake Alexander Blvd & I-85	1	1	1	1	1	1			1		1
5	11	Existing CCTV 2 at Jake Alexander Blvd & YMCA	1	1	1	1	1	1		1			1
6	12	Existing CCTV 3 at Innes St & Main St	1	1	1	1	1	1			1		1
7	13	Proposed CCTV 4 at Jake Alexander Blvd & Main St	1		1		1					1	
8	N/A	Proposed CCTV 5 at Jake Alexander Blvd & Statesville Blvd	1				1					1	
9	N/A	Wireless Radio along Julian Rd between Summit Park Dr & Old Concord Rd											
TOTAL			5	3	4	3	5	3	2	2	1	2	3

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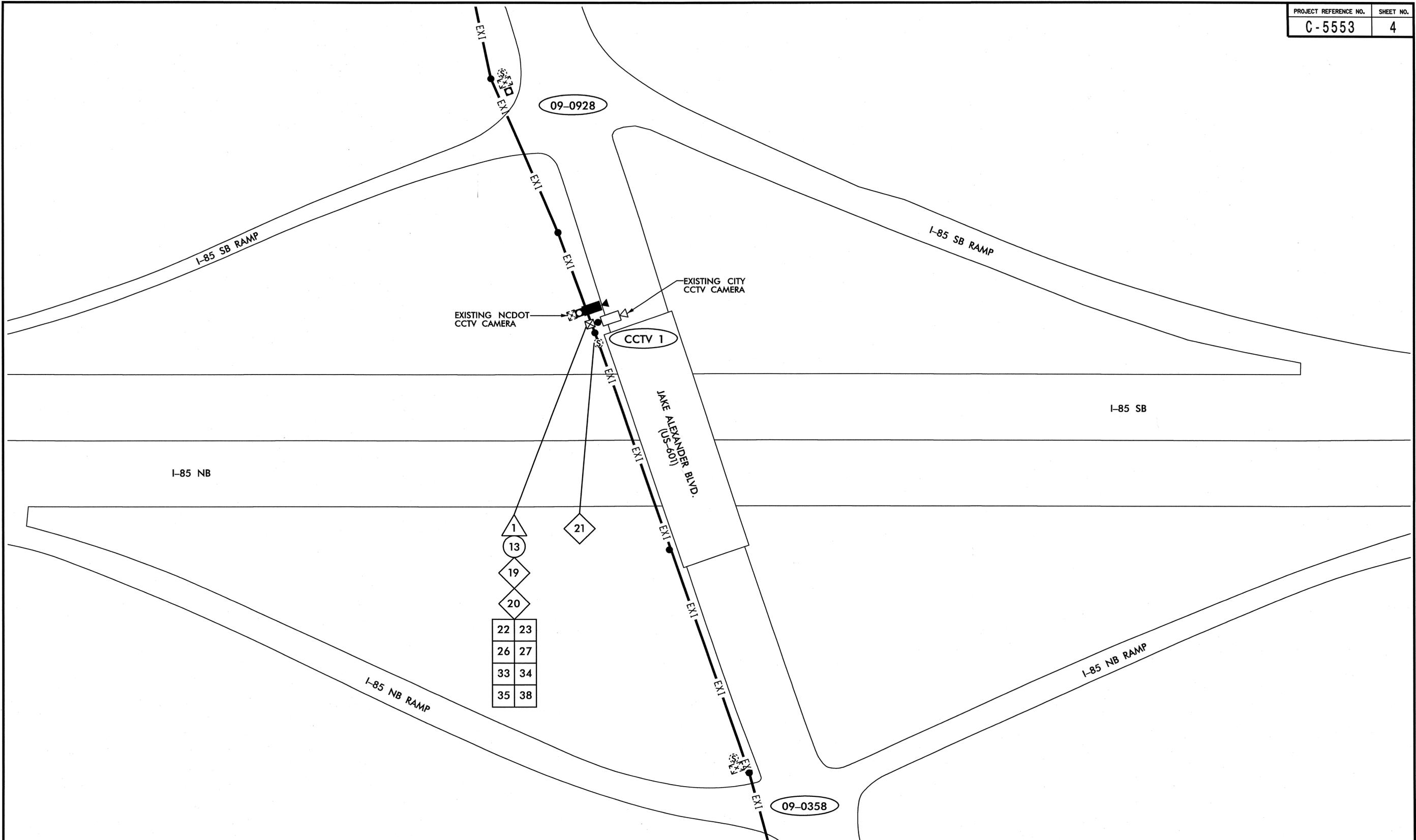
Kimley-Horn and Associates, Inc.
 NC License #F-0102
 P.O. Box 33068
 Raleigh, NC 27636
 919-871-2000



CITY OF SALISBURY
COMPUTERIZED
SIGNAL SYSTEM UPGRADE
SUMMARY OF WORK
FOR CCTV AND WIRELESS
 DIVISION 9 ROWAN COUNTY SALISBURY
 PLAN DATE: JUNE 2013 REVIEWED BY: K.W. SMITH
 PREPARED BY: J.C. CROSS REVIEWED BY: T.F. BURCHETT
 REVISIONS: _____ INIT. DATE: _____

SEAL

 SIGNATURE: *Kevin W. Smith* DATE: 6/25/13
 CADD Filename: _____



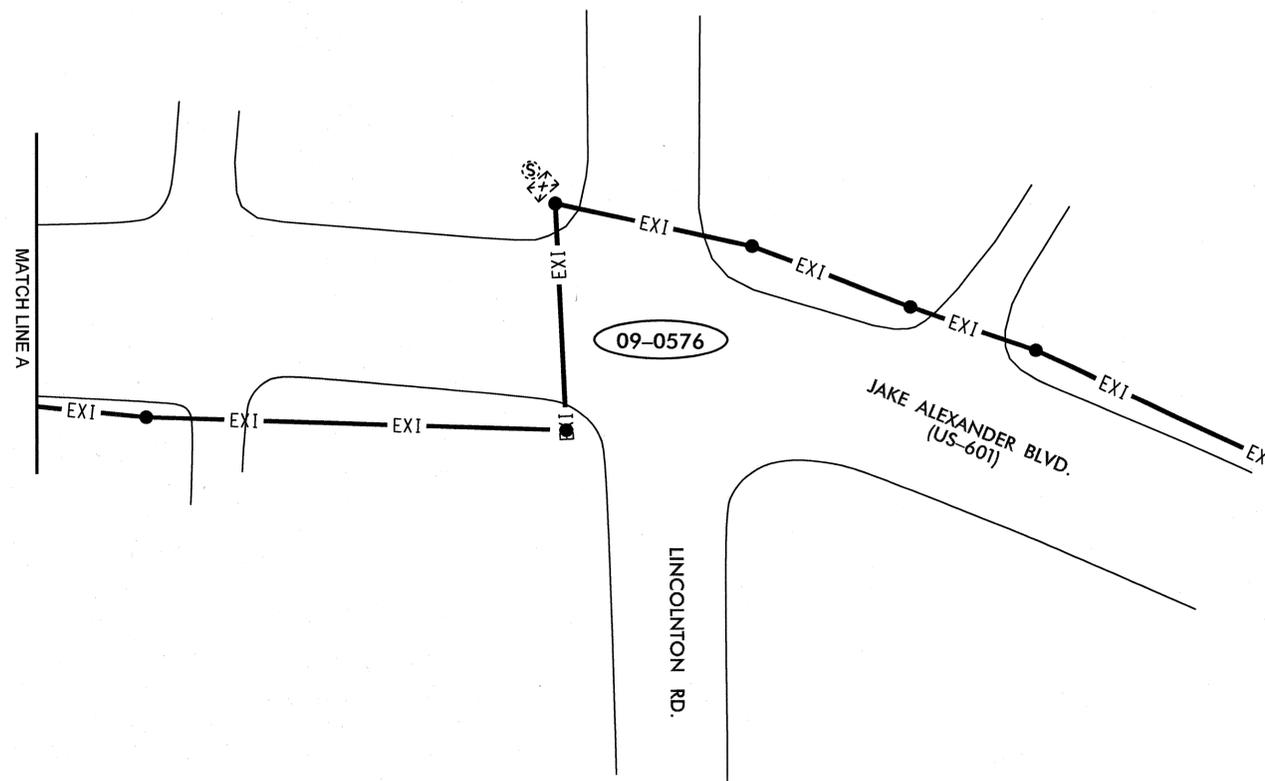
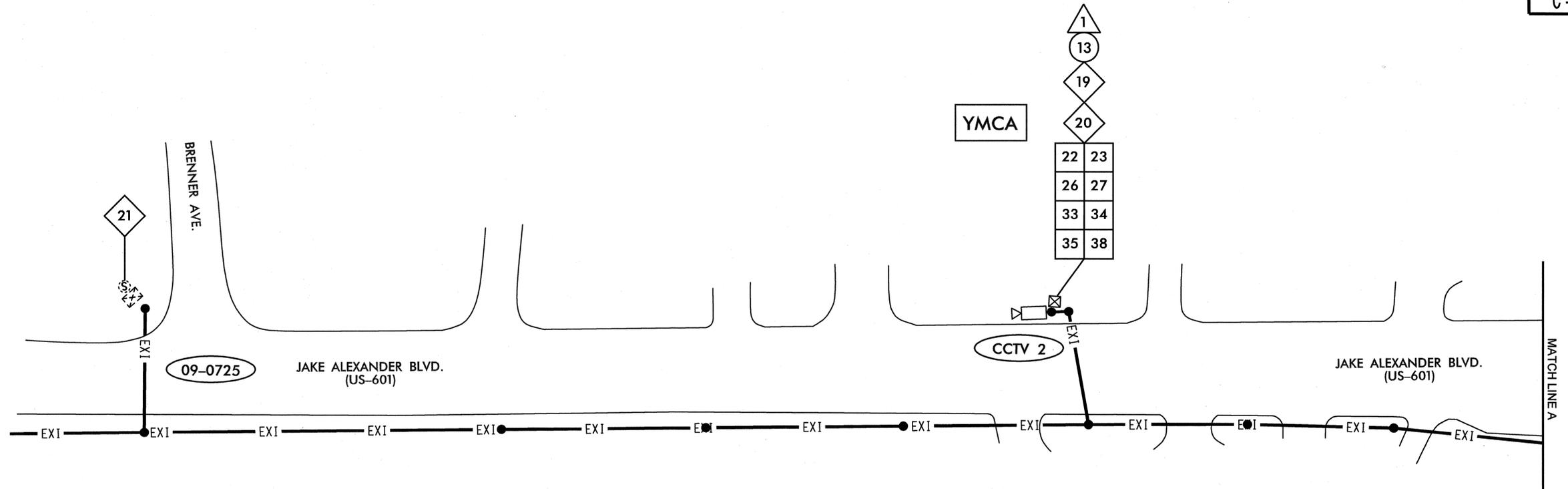
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NOTE:
 THE WORK SHOWN ON THIS SHEET ASSUMES THAT THE SIGNAL CABINET AND CONTROLLER UPGRADE HAS BEEN COMPLETED.

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
 NC License #F-0102
 P.O. Box 33068
 Raleigh, NC 27636
 919-671-2000

 NORTH CAROLINA PROFESSIONAL ENGINEER KEVIN W. SMITH SEAL 030472	CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE COMMUNICATIONS PLAN		SEAL
	DIVISION 9 ROWAN COUNTY SALISBURY		
PLAN DATE: JUNE 2013 PREPARED BY: J.C. CROSS	REVIEWED BY: K.W. SMITH REVIEWED BY: T.F. BURCHETT		
REVISIONS _____ _____ _____	INIT. _____ _____ _____	DATE _____ _____ _____	SIGNATURE DATE 6/25/13
SCALE 0 100			CADD Filename:



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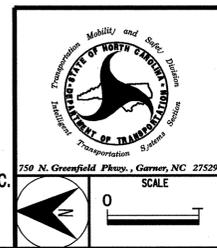
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NOTE:
THE WORK SHOWN ON THIS SHEET ASSUMES THAT THE SIGNAL CABINET AND CONTROLLER UPGRADE HAS BEEN COMPLETED.

PLANS PREPARED IN THE OFFICE OF:



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NC License #F-0102
P.O. Box 33068
Raleigh, NC 27636
1991 677-2000



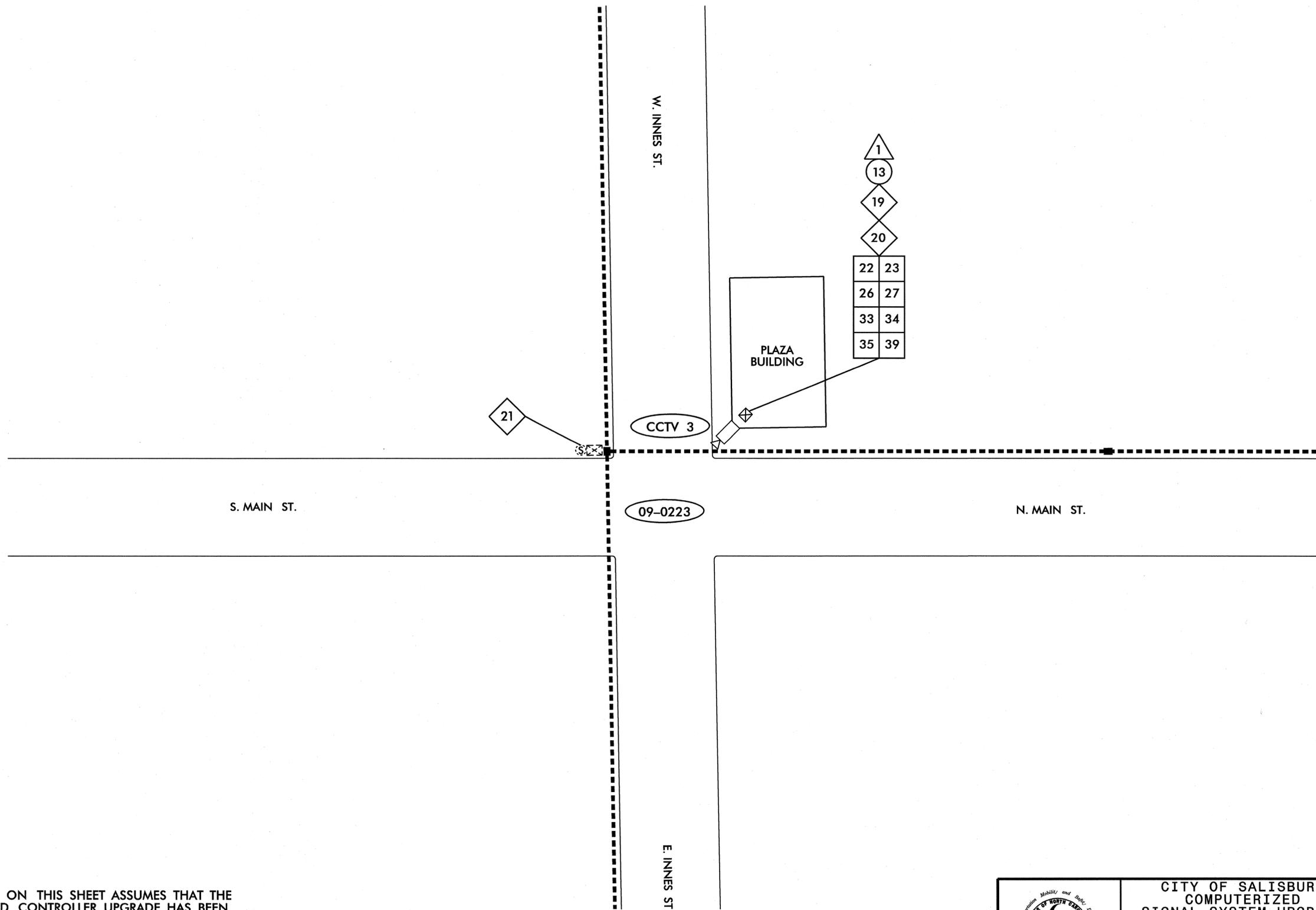
CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE COMMUNICATIONS PLAN	
DIVISION 9	ROWAN COUNTY
PLAN DATE: JUNE 2013	REVIEWED BY: K.W. SMITH
PREPARED BY: J.C. CROSS	REVIEWED BY: T.F. BURCHETT
REVISIONS	INIT. DATE

SEAL

SEAL
030472
ENGINEER
KEVIN W. SMITH

SIGNATURE: *Kevin W. Smith* DATE: 6/25/13

CADD File name:



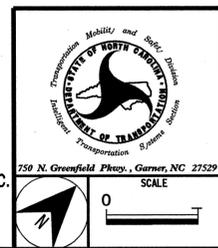
NOTES:

1. THE WORK SHOWN ON THIS SHEET ASSUMES THAT THE SIGNAL CABINET AND CONTROLLER UPGRADE HAS BEEN COMPLETED.
2. THIS AREA HAS BEEN DETERMINED TO CONTAIN PROPERTIES WITH DOCUMENTED HISTORIC SIGNIFICANCE. IF IT IS NECESSARY TO DEVIATE FROM THESE PLANS IN THIS AREA, PLEASE ALERT THE ENGINEER TO CONTACT PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS BRANCH - HISTORIC ARCHITECTURE GROUP OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION FOR AN EFFECT DETERMINATION BEFORE PROCEEDING.

6/25/2013 11:47:35 AM USER: K:\NAL\TPT\01\TSS\0103227\Salisbury Signal System\500 FS&E Plans\CR-006.pln.dgn

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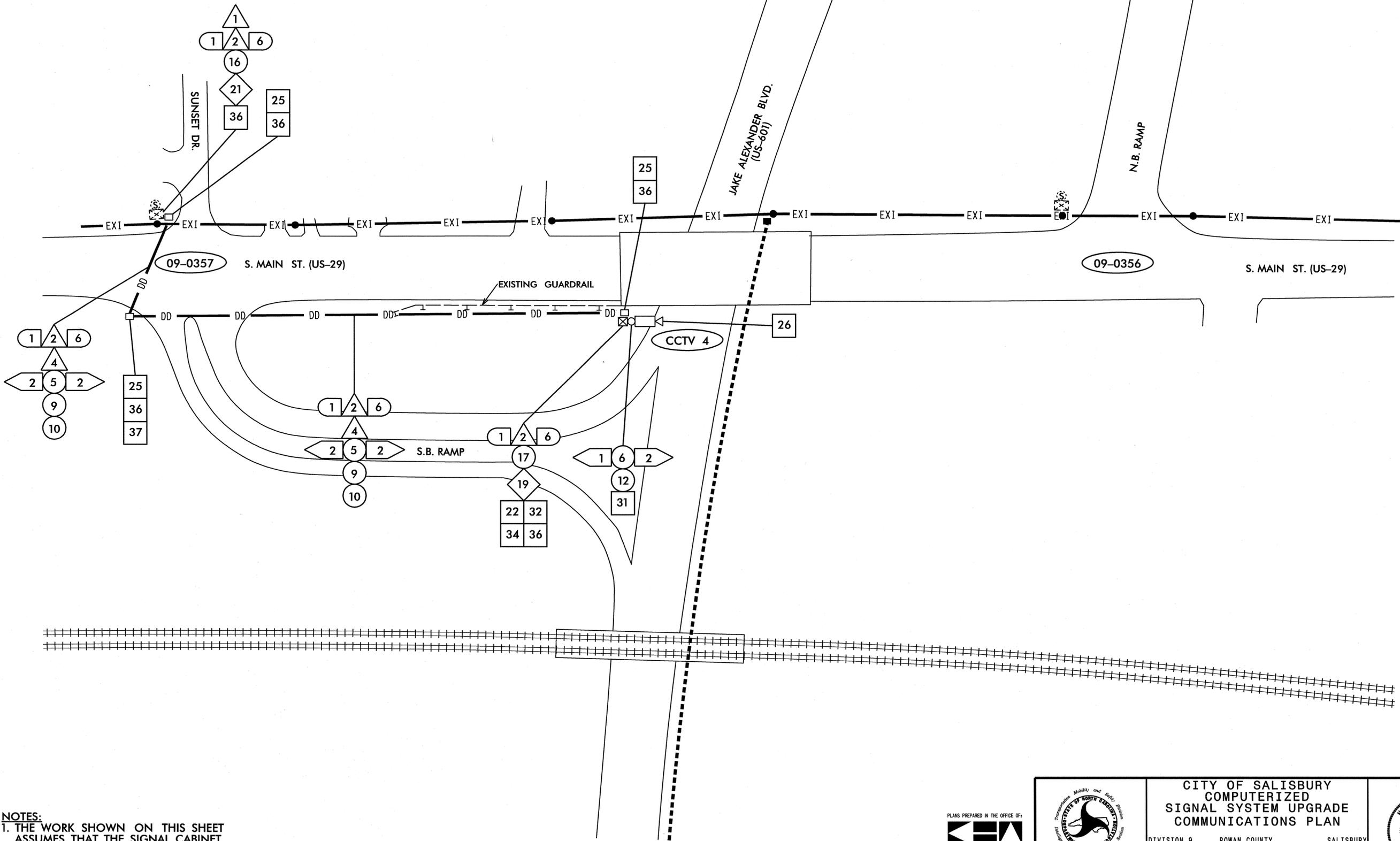
Kimley-Horn and Associates, Inc.
 NC License #F-0102
 P.O. Box 33068
 Raleigh, NC 27636
 199-677-2000



CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE COMMUNICATIONS PLAN	
DIVISION 9 ROWAN COUNTY SALISBURY	
PLAN DATE: JUNE 2013	REVIEWED BY: K.W. SMITH
PREPARED BY: J.C. CROSS	REVIEWED BY: T.F. BURCHETT
REVISIONS	INIT. DATE

SEAL

SIGNATURE: *K.W. Smith* DATE: 6/25/13
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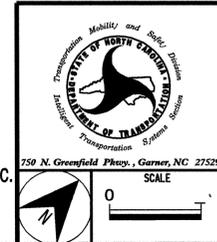


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NOTES:
 1. THE WORK SHOWN ON THIS SHEET ASSUMES THAT THE SIGNAL CABINET AND CONTROLLER UPGRADE HAS BEEN COMPLETED.
 2. OBTAIN APPROVAL FROM ENGINEER FOR CCTV CAMERA POLE LOCATION BEFORE INSTALLATION.

PLANS PREPARED IN THE OFFICE OF:

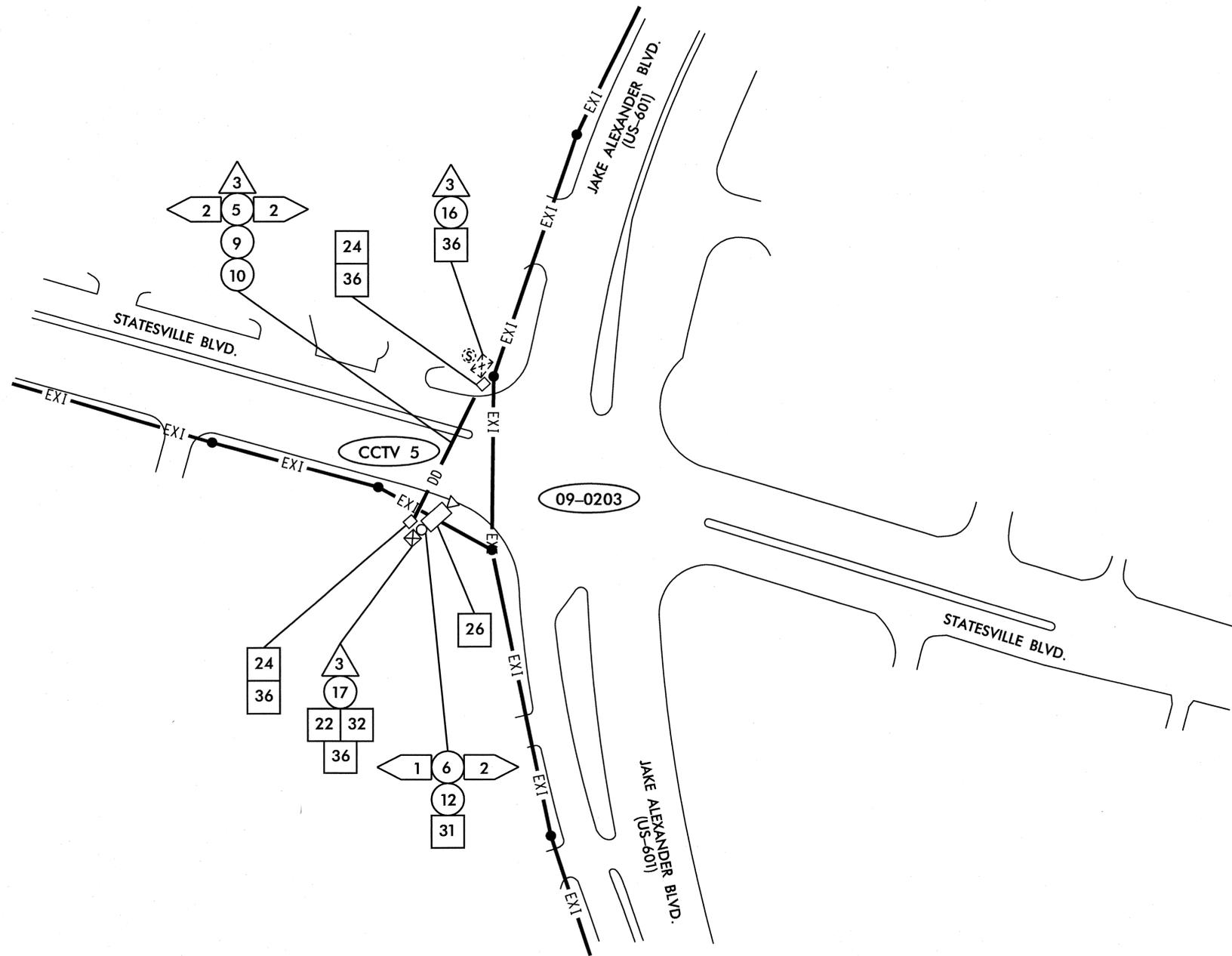
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 Raleigh, NC 27636
 199 671-2000



CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE COMMUNICATIONS PLAN			
DIVISION 9		ROWAN COUNTY	SALISBURY
PLAN DATE:	JUNE 2013	REVIEWED BY:	K.W. SMITH
PREPARED BY:	J.C. CROSS	REVIEWED BY:	T.F. BURCHETT
REVISIONS	INIT.	DATE	

SEAL

 SIGNATURE: *Kevin W. Smith* DATE: 6/25/13
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NOTES:

1. THE WORK SHOWN ON THIS SHEET ASSUMES THAT THE SIGNAL CABINET AND CONTROLLER UPGRADE HAS BEEN COMPLETED.
2. OBTAIN APPROVAL FROM ENGINEER FOR CCTV CAMERA POLE LOCATION BEFORE INSTALLATION.

PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
 NC License #F-0102
 P.O. Box 33068
 Raleigh, NC 27636
 (919) 677-2000

750 N. Greenfield Pkwy., Garner, NC 27529

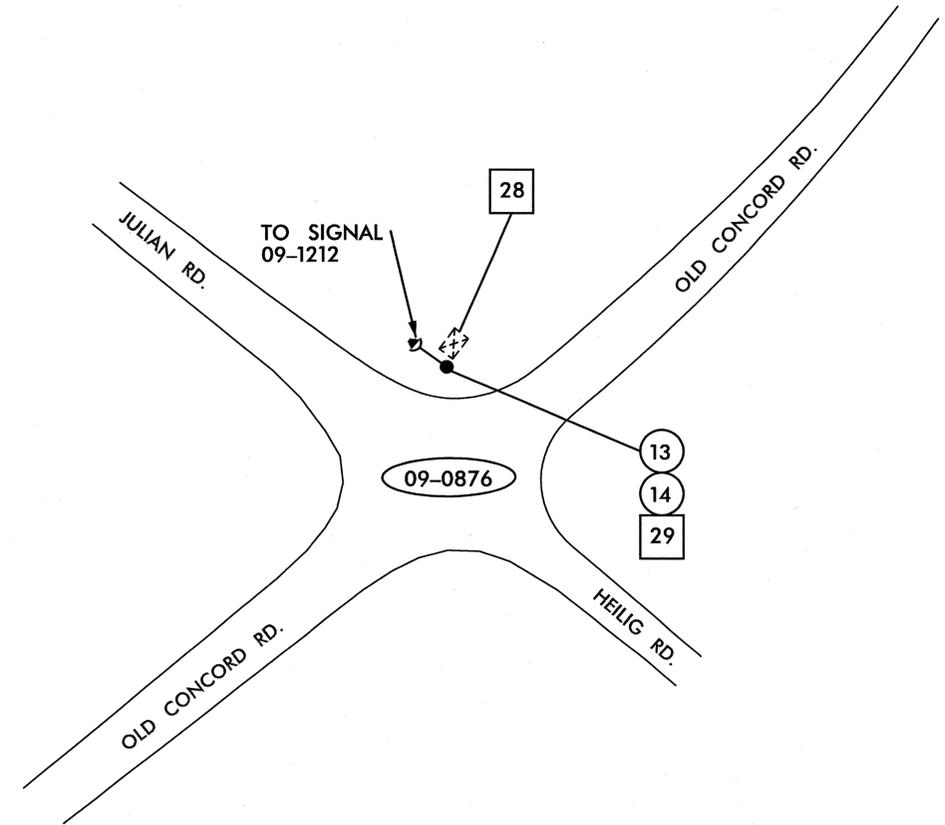
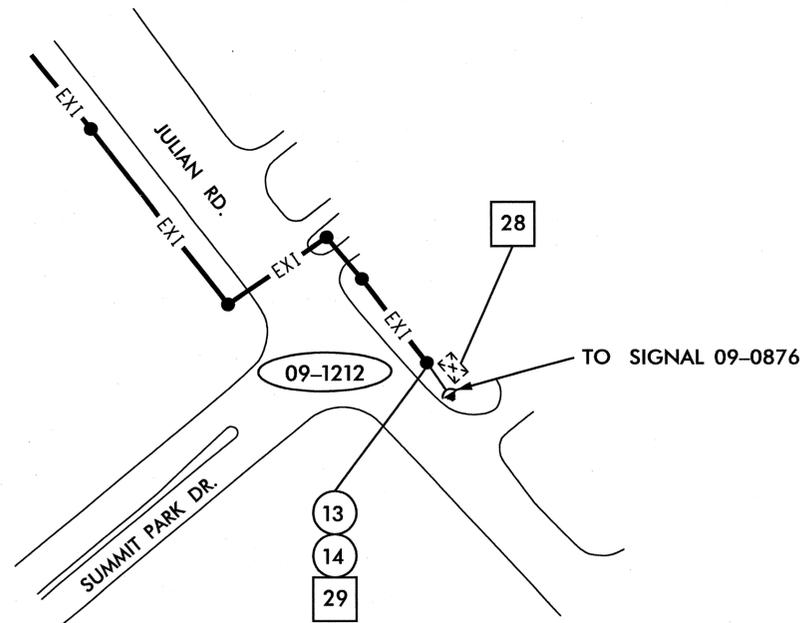
CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE COMMUNICATIONS PLAN			
DIVISION 9		ROWAN COUNTY	
SALISBURY		SALISBURY	
PLAN DATE: JUNE 2013	REVIEWED BY: K.W. SMITH	PREPARED BY: J.C. CROSS	REVIEWED BY: T.F. BURCHETT
REVISIONS	INIT.	DATE	

SEAL

SEAL
030472
ENGINEER
KEVIN W. SMITH

Kevin W. Smith 6/25/13
SIGNATURE DATE

CADD Filename:

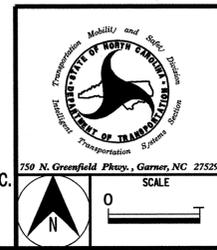


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 Raleigh, NC 27636
 (919) 671-2000



CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE COMMUNICATIONS PLAN	
DIVISION 9	ROWAN COUNTY SALISBURY
PLAN DATE: JUNE 2013	REVIEWED BY: K.W. SMITH
PREPARED BY: J.C. CROSS	REVIEWED BY: T.F. BURCHETT
REVISIONS	INIT. DATE

SEAL



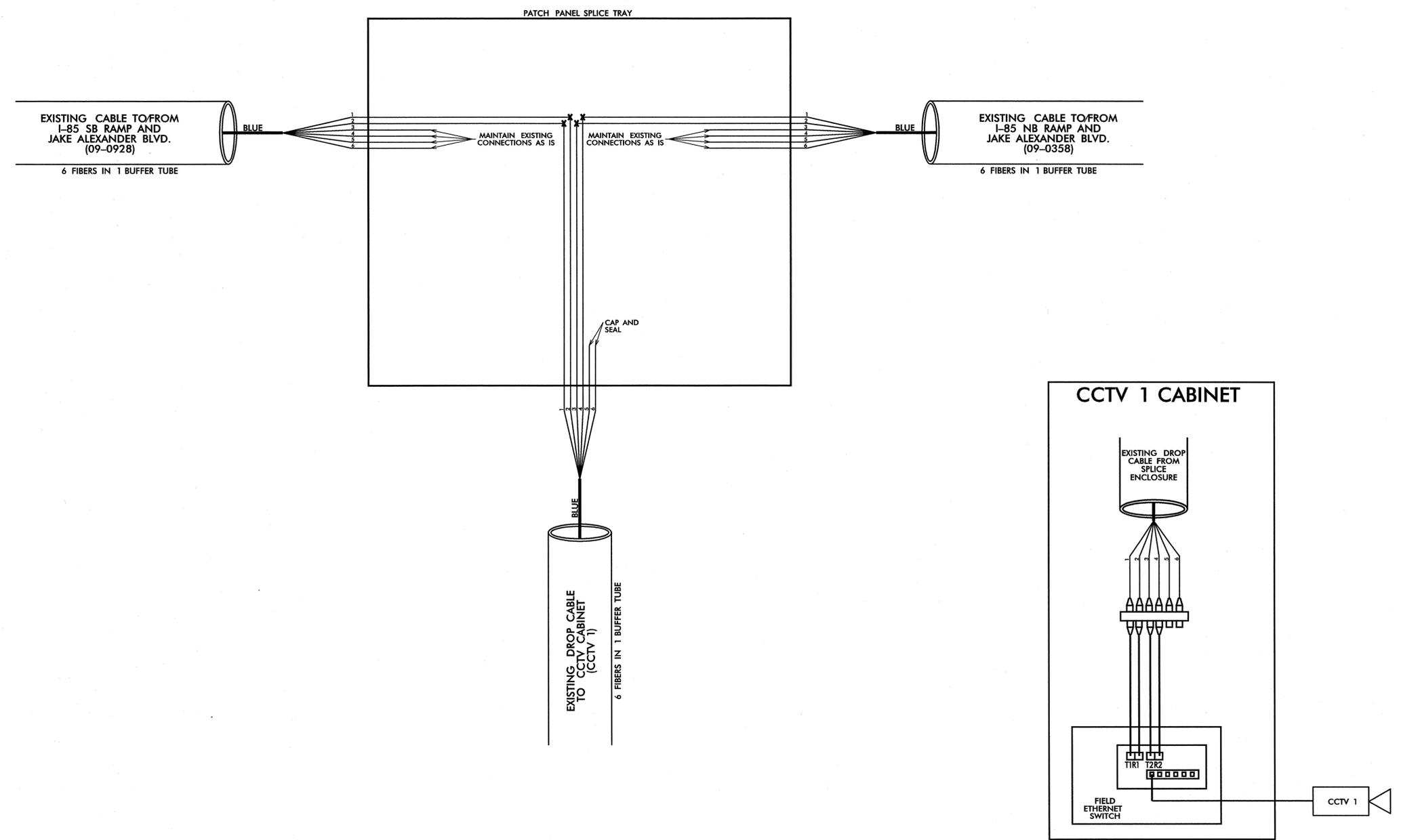
SEAL
030472
ENGINEER
KEVIN W. SMITH

Kevin W. Smith 6/25/13
SIGNATURE DATE

CADD Filename:

**EXISTING SPLICE ENCLOSURE
EAST OF JAKE ALEXANDER BLVD
AND I-85 S.B. RAMP
(09-0928)
EXISTING CCTV 1**

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		
(3) GREEN	(9) YELLOW		
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		
			X - FUSION SPLICE INDIVIDUAL FIBER



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PLANS PREPARED IN THE OFFICE OF:

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 NC License #F-0102
 P.O. Box 33068
 Raleigh, NC 27636
 (919) 671-2000

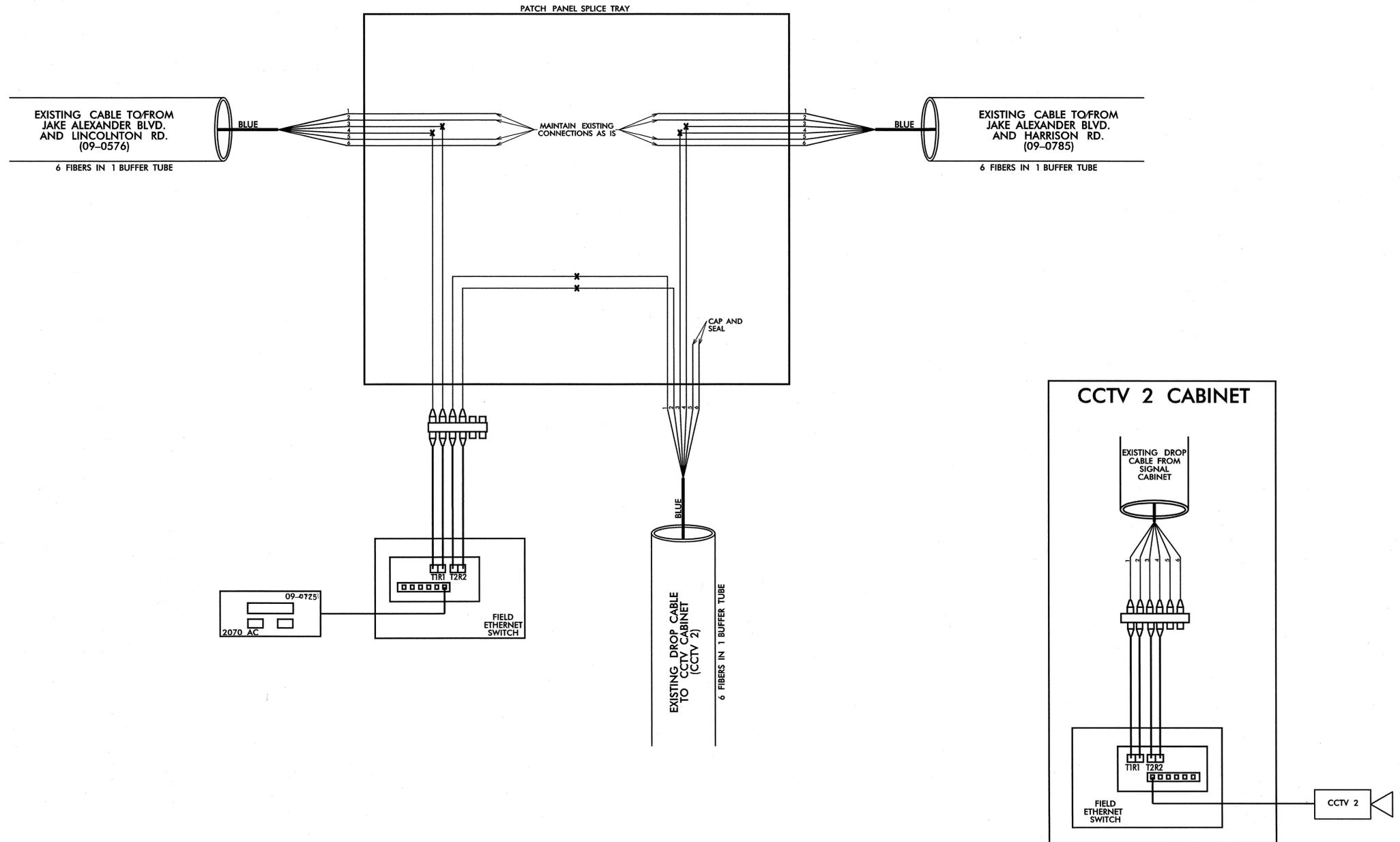
 CITY OF SALISBURY TRANSPORTATION DEPARTMENT	CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE SPLICE DETAIL		SEAL ENGINEER KEVIN W. SMITH
	DIVISION 9 ROWAN COUNTY SALISBURY PLAN DATE: JUNE 2013 PREPARED BY: J.C. CROSS	REVIEWED BY: K.W. SMITH REVIEWED BY: T.F. BURCHETT	

SCALE: 0 [Graphic Scale]

Signature: *Kevin W. Smith* @ 6/25/12
 DATE: 6/25/12
 SEAL: 030472
 CADD Filename:

EXISTING SIGNAL CABINET
JAKE ALEXANDER BLVD.
AND BRENNER AVE.
09-0725
EXISTING CCTV 2

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		
(3) GREEN	(9) YELLOW		
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		
			X - FUSION SPLICE INDIVIDUAL FIBER



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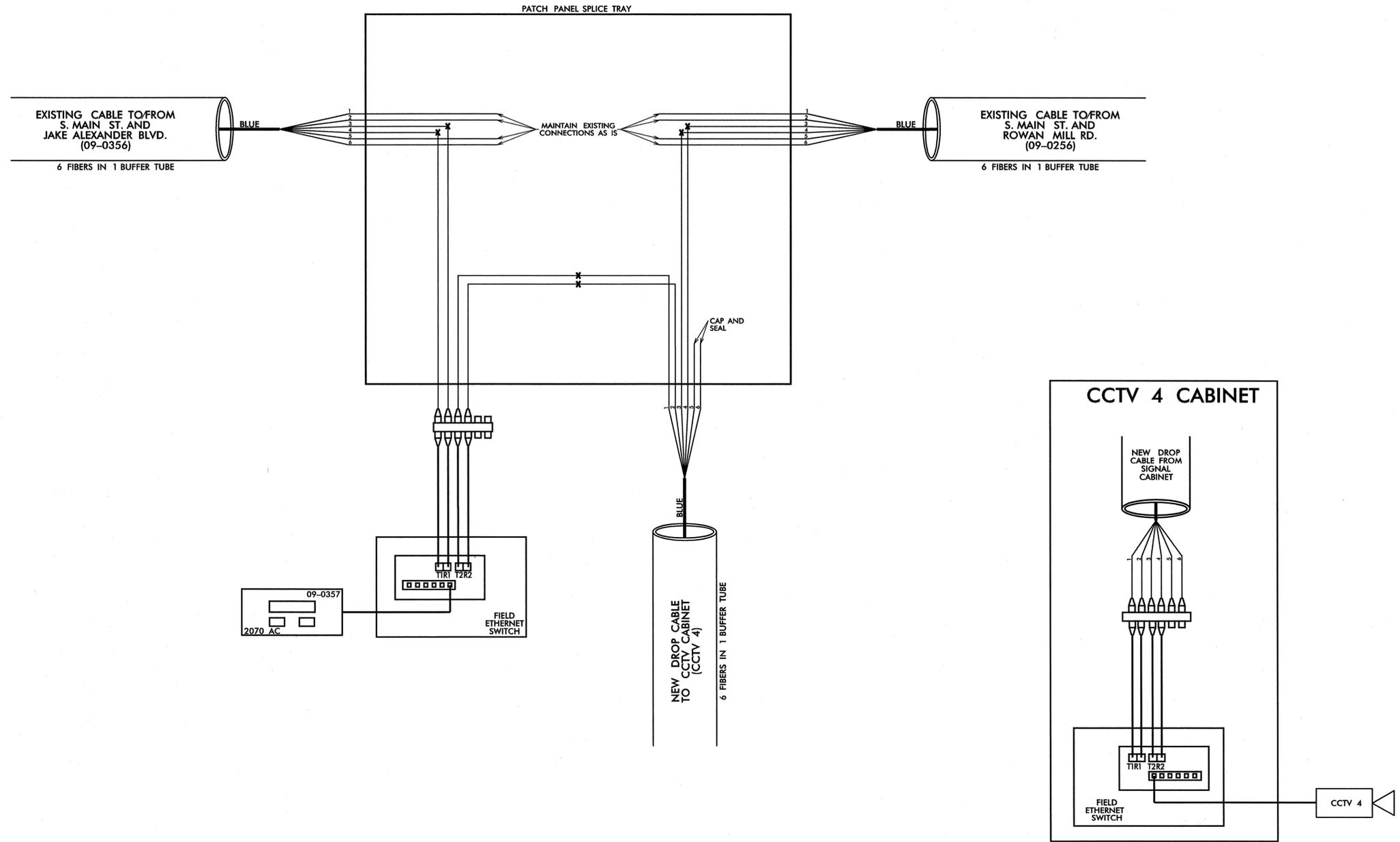
PLANS PREPARED IN THE OFFICE OF:

Kimley-Horn and Associates, Inc.
 NC License #F-0102
 P.O. Box 33068
 Raleigh, NC 27636
 (919) 671-2200

 CITY OF SALISBURY TRANSPORTATION DEPARTMENT 750 N. Greenfield Pkwy., Garner, NC 27529	CITY OF SALISBURY COMPUTERIZED SIGNAL SYSTEM UPGRADE SPLICE DETAIL		SEAL ENGINEER KEVIN W. SMITH							
	DIVISION 9 ROWAN COUNTY SALISBURY									
	PLAN DATE: JUNE 2013	REVIEWED BY: K.W. SMITH								
	PREPARED BY: J.C. CROSS	REVIEWED BY: T.F. BURCHETT								
SCALE 	REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>INIT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DESCRIPTION	INIT.	DATE					SIGNATURE DATE 6/25/13
NO.	DESCRIPTION	INIT.	DATE							
CADD Filename:										

EXISTING SIGNAL CABINET
 S. MAIN ST. AND SUNSET DR.
 09-0357
 PROPOSED CCTV 4

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		
(3) GREEN	(9) YELLOW		
(4) BROWN	(10) VIOLET		
(5) SLATE	(11) ROSE		
(6) WHITE	(12) AQUA		
			X - FUSION SPLICE INDIVIDUAL FIBER



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6/25/2013

PLANS PREPARED IN THE OFFICE OF:

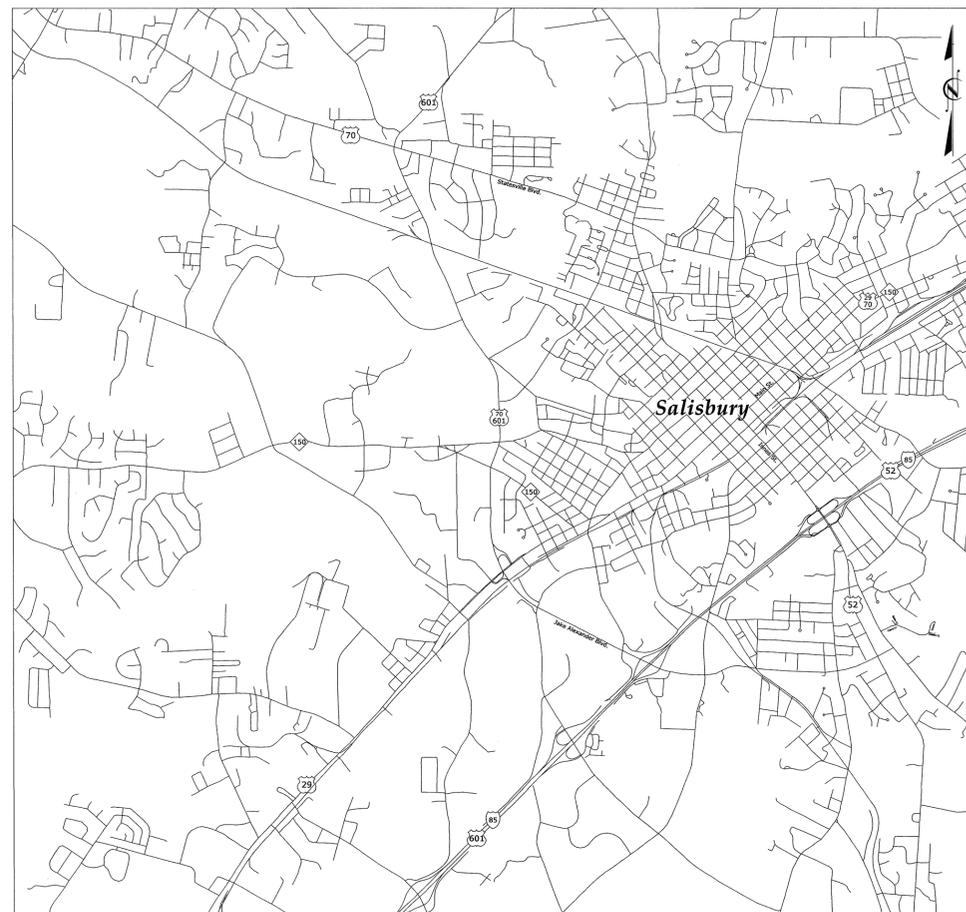
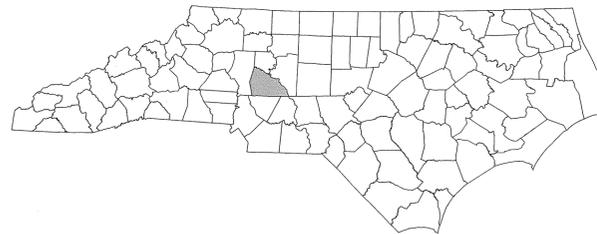
Kimley-Horn and Associates, Inc.
 NC License #F-0102
 P.O. Box 33068
 Raleigh, NC 27636
 (919) 871-2000

 CITY OF SALISBURY SIGNAL SYSTEM UPGRADE SPLICE DETAIL	DIVISION 9 ROWAN COUNTY SALISBURY	SEAL NORTH CAROLINA PROFESSIONAL SEAL 030472 ENGINEER KEVIN W. SMITH
	PLAN DATE: JUNE 2013	REVIEWED BY: K.W. SMITH
	PREPARED BY: J.C. CROSS	REVIEWED BY: T.F. BURCHETT
	SCALE: 0	REVISIONS:
SIGNATURE: <i>[Signature]</i> DATE: 6/25/13		SEAL

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

**CITY OF SALISBURY
ROWAN COUNTY**



INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS AND LEGEND
TMP-2	PROJECT NOTES
TMP-3	TRAFFIC CONTROL NARRATIVE
TMP-4	TYPICAL SIDEWALK CLOSURE AND PEDESTRIAN DETOUR

SHEET NO.

TMP-1

C-5553

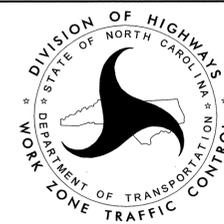
TIP PROJECT:

6/4/2013 SATMUVWZTC:\DesignGroup2\specialprojects\DMS Projects\ITS Projects\C-5553_Salisbury Computerized Traffic SignalSystem Upgrade\C-5553_TC_TMP-1.dgn User:rljydm



N.C.D.O.T. WORK ZONE TRAFFIC CONTROL
1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561
750 N. GREENFIELD PARKWAY, GARNER, NC 27529 (DELIVERY)
PHONE: (919) 773-2800 FAX: (919) 771-2745

J. S. BOURNE, P.E. STATE TRAFFIC MANAGEMENT ENGINEER
JOSEPH ISHAK, P.E. TRAFFIC CONTROL PROJECT ENGINEER
BENJAMIN SCHOENBAUER, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER
ALLA LYUDMIRSKAYA TRAFFIC CONTROL DESIGN ENGINEER



APPROVED: *Ben Schombauer*
DATE: *June 4, 2013*

SEAL



ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES 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
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1180.01	SKINNY - DRUM

LEGEND

GENERAL

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

WORK AREA

REMOVAL

USER DEFINED (IF NEEDED)

USER DEFINED (IF NEEDED)

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

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

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

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

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

6/4/2013 S:\TMU\WZTC\DesignGroup2\specialprojects\DMS Projects\ITS Projects\C-5553_Salisbury Computerized Traffic SignalSystem Upgrade\C-5553_TC_TMP-1A.dgn User:calyudml

APPROVED: <i>San Sebastian</i> DATE: 6/4/13 		ROADWAY STANDARD DRAWINGS & LEGEND
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PROJECT NOTES

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

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

TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
US 52 US 29/US 70/NC 150 US 601	MONDAY THROUGH FRIDAY FROM 6:00 AM TO 8:00 PM, SATURDAY FROM 8:00 AM TO 8:00 PM, SUNDAY FROM 10:00 AM TO 8:00 PM
ALL OTHER ROADS	MONDAY THROUGH FRIDAY FROM 6:00 AM TO 8:00 PM.

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

ROAD NAME

US 52
US 29/US 70/NC 150
US 601
ALL OTHER ROADS

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 AM DECEMBER 31st TO 8:00 PM JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 8:00 PM THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 6:00 AM THURSDAY AND 8:00 PM MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY TO 8:00 PM TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 AM THE DAY BEFORE INDEPENDENCE DAY AND 8:00 PM THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 AM THE THURSDAY BEFORE INDEPENDENCE DAY AND 8:00 PM THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY AND 8:00 PM TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 AM TUESDAY TO 8:00 PM MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 8:00 PM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

9. FOR ANY SPECIAL EVENT OCCURRING BETWEEN 3 HOURS BEFORE THE START AND 3 HOURS AFTER THE END OF THE SPECIAL EVENT, AS DIRECTED BY THE ENGINEER.
- C) DO NOT CLOSE OR NARROW TRAVEL LANES OR CLOSE SIDEWALKS OR PEDESTRIAN CROSSING WITHIN 1/2 MILE OF A SCHOOL DURING ARRIVAL AND DISMISSAL HOURS ON A SCHOOL DAY. COORDINATE WITH THE AFFECTED SCHOOL CONCERNING OPERATIONAL HOURS AND SCHOOL DAYS. AS A MINIMUM, DO NOT CLOSE OR NARROW A LANE OR CLOSE A SIDEWALK OR PEDESTRIAN CROSSING DURING HOURS POSTED ON SCHOOL SPEED ZONE SIGNS (WHEN PRESENT).
- D) DO NOT STOP TRAFFIC AS FOLLOWS:
- | ROAD NAME | DAY AND TIME RESTRICTIONS | DURATION AND OPERATION |
|-----------|--|--|
| ALL ROADS | MONDAY THROUGH SUNDAY
6:00 AM TO 12:00 AM
(MIDNIGHT) | 20 MINUTES
INSTALLING CABLE ACROSS ROAD
(USE RSD 1101.03, SHEETS 8 & 9 OF 9) |
- E) DO NOT TAKE ANY TRAFFIC SIGNAL OUT OF OPERATION TO PERFORM CONTROLLER CABINET CHANGEOUT BETWEEN THE HOURS OF 5:00 AM AND 9:00 PM.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- F) ON STREETS WHERE POSTED SPEED LIMIT IS 40 MPH OR LESS AND WORK IS ON THE SHOULDER, CLOSE THE SHOULDER USING RSD 1101.04 OR USE A SHOULDER CLOSURE WITH MINOR ENCROACHMENT INTO THE ADJACENT TRAFFIC LANE AS SHOWN IN MUTCD FIGURE 6H-6, "SHOULDER WORK WITH MINOR ENCROACHMENT (TA-6)". WHEN USING TA-6, COMPLY WITH THE APPLICATION NOTES ON MUTCD PAGE 6H-16, AND MAINTAIN A MINIMUM 10 FT. TRAVEL LANE. CLOSE AFFECTED SIDEWALKS AND PEDESTRIAN PATHS. WHERE A 10 FT. OR GREATER TRAVEL LANE CANNOT BE MAINTAINED OR AS DIRECTED BY THE ENGINEER, CLOSE THE ADJACENT TRAFFIC LANE USING RSD 1101.02, SHEETS 1 THROUGH 4 AND 7 OF 15.
- G) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- H) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING GREATER THAN 5 FT. BUT LESS THAN 15 FT. FROM AN OPEN TRAVEL LANE ON A ROADWAY WITH A POSTED SPEED LIMIT OF 45 MPH OR GREATER, CLOSE THE ADJACENT SHOULDER USING RSD 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- I) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 5 FT. OF AN OPEN TRAVEL LANE ON A ROADWAY WITH A POSTED SPEED LIMIT OF 45 MPH OR GREATER, CLOSE THE NEAREST OPEN TRAVEL LANE USING RSD 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- J) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE ROADWAY STANDARD DRAWINGS OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- K) DO NOT INSTALL MORE THAN ONE LANE IN ANY ONE DIRECTION ON ANY ROADWAY.
- SIGNING
- L) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT. FROM THE EDGE OF TRAVEL LANE. INSTALL SIGNS IMMEDIATELY PRIOR TO THE BEGINNING OF CONSTRUCTION AND REMOVE OR COVER SIGNS UPON COMPLETION AND DURING INACTIVE PERIODS.
- M) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

N) THE "SIGNAL" OR "UTILITY" MAY BE USED IN LIEU OF "ROAD" ON W20-1 (ROAD CLOSED AHEAD) SIGNS OR G20-2a (END ROAD WORK) SIGNS. HOWEVER, DO NOT INTERMIX SIGNS.

O) USE PORTABLE SIGN SUPPORTS IN LIEU OF STATIONARY SIGN SUPPORTS FOR ALL WORKZONE SIGNS UNLESS THE ENGINEER DIRECTS OTHERWISE.

TRAFFIC CONTROL DEVICES

- P) WHEN LANE CLOSURES ARE NOT IN EFFECT, REFER TO SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) OF STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES FOR ADDITIONAL REQUIREMENTS.
- Q) PLACE ADDITIONAL SETS OF THREE DRUMS PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT. CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

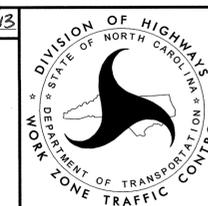
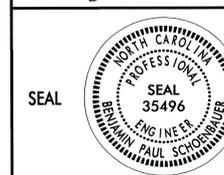
PEDESTRIANS

- R) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.).
- S) MAINTAIN REASONABLE AND SAFE PEDESTRIAN ACCESS TO ALL BUSINESSES, SCHOOLS AND DWELLINGS IN AREAS AFFECTED BY CONSTRUCTION AT ALL TIMES.
- T) REFER TO MUTCD SECTION 6D.01, "PEDESTRIAN CONSIDERATIONS" AND SECTION 6D.02, "ACCESSIBILITY CONSIDERATIONS" FOR ADDITIONAL REQUIREMENTS AND CONSIDERATIONS FOR MAINTAINING PEDESTRIAN MOBILITY THROUGH WORK AREA.
- U) WHEN CONSTRUCTION ACTIVITIES WILL BLOCK PEDESTRIAN ACCESS TO PEDESTRIAN SIGNAL PUSHBUTTONS, NOTIFY THE ENGINEER AT LEAST 24 HOURS IN ADVANCE OF SUCH WORK TO HAVE THE TRAFFIC SIGNAL PLACE ON PEDESTRIAN RECALL.
- V) COORDINATE WITH CITY OF SALISBURY DEPARTMENT OF TRANSPORTATION CONCERNING ANY SPECIAL REQUIREMENTS FOR WORK WITHIN OR ADJACENT TO CITY GREENWAYS AND ANY SPECIAL EVENTS INVOLVING GREENWAYS AT LEAST TWO WEEKS PRIOR TO BEGINNING WORK WITHIN OR ADJACENT TO A CITY GREENWAY.

MISCELLANEOUS

- W) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS, AS DIRECTED AND APPROVED IN ADVANCE BY THE ENGINEER, AND SUBJECT TO THE AFOREMENTIONED TIME RESTRICTIONS.

APPROVED: *Ben Johnson* DATE: 6/4/13



PROJECT NOTES

TRAFFIC CONTROL NARRATIVE

STEP 1: PERFORM ALL WORK ASSOCIATED WITH THE INSTALLATION OF THE PROPOSED SIGNALS AND TRAFFIC MANAGEMENT SYSTEM AS SHOWN IN THE CONTRACT, CONSTRUCTION PLANS AND/OR SPECIAL PROVISIONS IN ACCORDANCE WITH THE "NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES - JANUARY 2012".

NOTE: ADDRESS ANY SAFETY HAZARDS CONCERNING MOTORISTS AND PEDESTRIANS BEFORE REMOVING TEMPORARY TRAFFIC CONTROL DEVICES AND WORK ZONE SIGNS. RETURN TRAFFIC TO IT'S EXISTING PATTERN AT THE END OF EACH WORK PERIOD.

NOTE: INSTALL CHANGEABLE MESSAGE SIGNS IN ADVANCE OF THE WORK ZONE AS DIRECTED BY THE ENGINEER.

NOTE: REMOVE ALL TEMPORARY TRAFFIC CONTROL LANE CLOSURE DEVICES AND RETURN TO IT'S EXISTING TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD.

NOTE: WHEN CHANGING OUT CONTROLER CABINETS, USE LAW ENFORCEMENT(S) TO DIRECT TRAFFIC THROUGH THE INTERSECTION WHILE TRAFFIC SIGNAL IS NOT IN OPERATION. DO NOT TAKE TRAFFIC SIGNAL OUT OF OPERATION FOR MORE THAN 3 HOURS AT A GIVEN INTERSECTION.

NOTE: CONSTRUCT NEW CONDUIT ENTRANCES INTO EXISTING CONTROLER CABINET FOUNDATIONS WHILE MAINTAINING OPERATIONS OF THE EXISTING TRAFFIC SIGNAL WHEREVER POSSIBLE. WHEN A TRAFFIC SIGNAL MUST BE TAKEN OUT OF OPERATION TO CONSTRUCT A CONDUIT ENTRANCE INTO THE EXISTING CONTROLER CABINET FOUNDATION AND SUBJECT TO THE ENGINEER'S APPROVAL, USE LAW ENFORCEMENT(S) TO DIRECT TRAFFIC THROUGH THE INTERSECTION WHILE THE TRAFFIC SIGNAL IS NOT IN OPERATION. DO NOT TAKE THE TRAFFIC SIGNAL OUT OF OPERATION FOR MORE THAN 3 HOURS AT A GIVEN INTERSECTION. DO NOT TAKE ANY TRAFFIC SIGNAL OUT OF OPERATION TO PERFORM CONTROLER CABINET CHANGEOUT BETWEEN THE HOURS OF 5:00 AM AND 9:00 PM.

NOTE: WHEN CONSTRUCTING/REMOVING SIGNAL POLE STRUCTURES OR FOOTINGS ADJACENT TO TRAFFIC OR SIDEWALKS, INSTALL 1" TEMPORARY A36 STEEL PLATES OR ORANGE TREE PROTECTION FENCING AS DIRECTED BY THE ENGINEER. THE CONTRACTOR MAY WORK EACH LOCATION INDEPENDENTLY OR CONCURRENTLY, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. WORK IN A CONTINUOUS MANNER TO PERFORM THE WORK IN THE FOLLOWING SEQUENCE, IN STEPS 'A' THROUGH 'E'.

A: USING RSD 1101.02, SHEETS 1, 2, 3, 4 & 7 OF 15, CLOSE THE APPROPRIATE TRAVEL LANE TO TRAFFIC,

OR

USING SHEET TMP-4 AS A GUIDE, AND AS DIRECTED BY THE ENGINEER, CLOSE THE APPROPRIATE SIDEWALK UTILIZING TYPE III BARRICADES WITH SIGNS ATTACHED.

B: CONSTRUCT PROPOSED OR REMOVE EXISTING STRUCTURE AS SHOWN IN THE CABLE LAYOUT PLANS AND/OR SIGNAL PLANS. PROTECT MOTORISTS AND PEDESTRIANS FROM OPEN EXCAVATIONS OR OTHER HAZARDS POSED BY INCOMPLETE CONSTRUCTION WORK, BY ONE OR A COMBINATION OF THE FOLOWING METHODS AS APPROVED BY THE ENGINEER:

- 1) COVER AREA WITH 1" TEMPORARY A36 STEEL PLATES
- 2) COMPLETELY SURROUND AREA WITH AN ORANGE TREE PROTECTION FENCE.

C: OPEN TRAVEL LANE OR SIDEWALK TO EXISTING TRAFFIC PATTERN BY THE END OF EACH WORK PERIOD.

D: WHEN PROPERLY CURED, CLOSE THE APPROPRIATE TRAVEL LANE, USING RSD 1101.02, SHEETS 1, 2, 3, 4 & 7 OF 15,

OR

USING SHEET TMP-4, AND AS DIRECTED BY THE ENGINEER, CLOSE THE APPROPRIATE SIDEWALK UTILIZING TYPE III BARRICADES WITH SIGNS ATTACHED.

BACKFILL AND PAVE, IF REQUIRED, UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT OR SIDEWALK (SEE CABLE LAYOUT PLANS AND/OR SIGNAL PLANS).

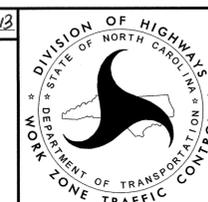
E: OPEN TRAVEL LANE OR SIDEWALK TO EXISTING TRAFFIC PATTERN BY THE END OF THE WORK PERIOD.

NOTE: USE RSD 1101.03, SHEET 8 OF 9 (FLAGGERS), TO TEMPORARILY STOP TRAFFIC WHEN INSTALLING MESSENGER AND CABLE OR REMOVING EXISTING MESSENGER AND CABLE OVER A TWO-LANE, TWO-WAY ROAD.

USE RSD 1101.03, SHEET 9 OF 9 (ROLLING ROADBLOCK), TO TEMPORARILY STOP TRAFFIC WHEN INSTALLING MESSENGER AND CABLE OR REMOVING EXISTING MESSENGER AND CABLE OVER MULTI-LANE ROADWAY.

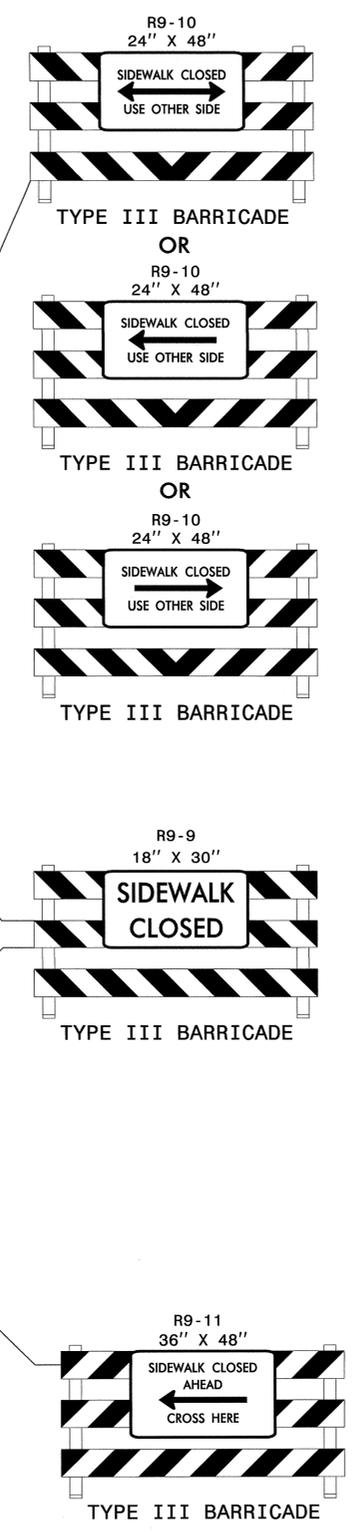
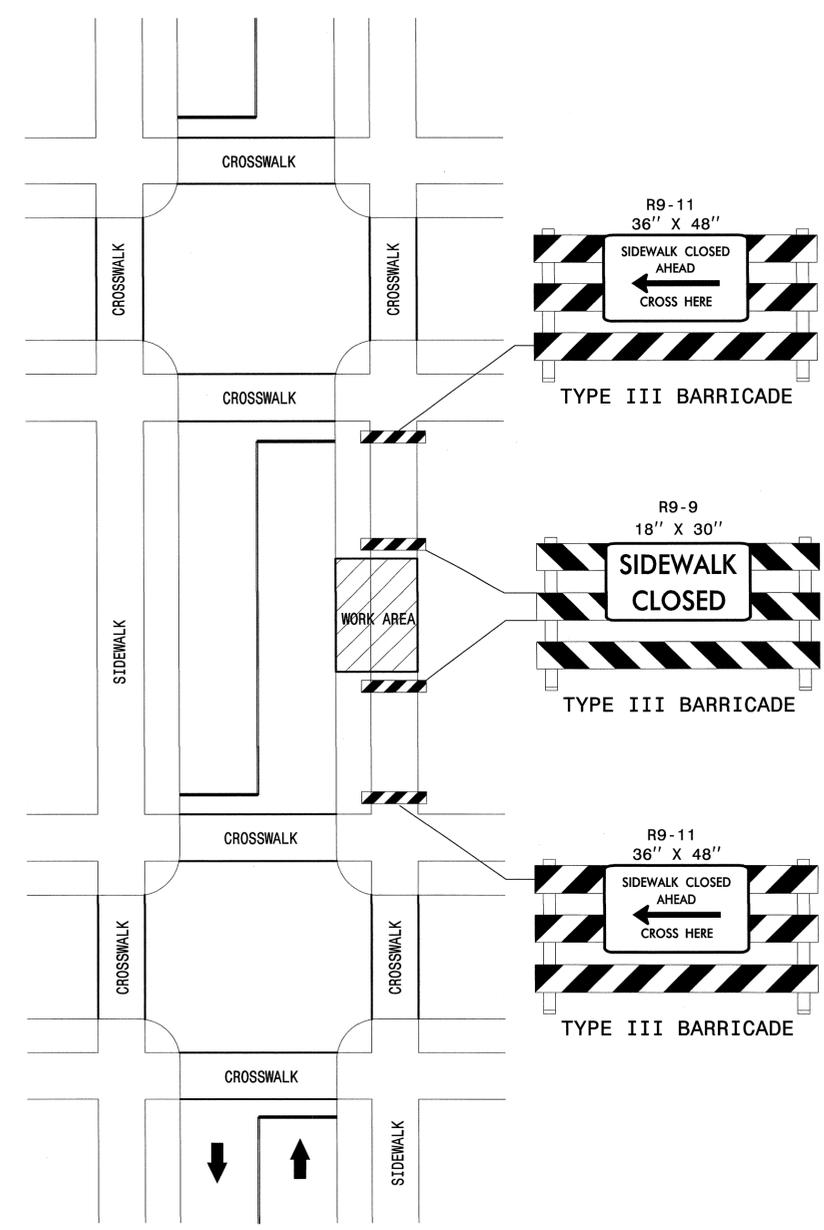
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APPROVED: *Ben Schoups* DATE: 6/4/13



TRAFFIC CONTROL
NARRATIVE

TYPICAL DRAWING FOR
SIDEWALK CLOSURES



NOTE: USE AND MODIFY AS DIRECTED BY THE ENGINEER FOR WORK REQUIRING THE CLOSURE OF A SIDEWALK.

LEGEND
 - TYPE III BARRICADE

APPROVED: *Ben Johnson* DATE: 6/4/13


DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 WORK ZONE TRAFFIC CONTROL

TYPICAL SIDEWALK
 CLOSURE AND
 PEDESTRIAN DETOUR

6/4/2013
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