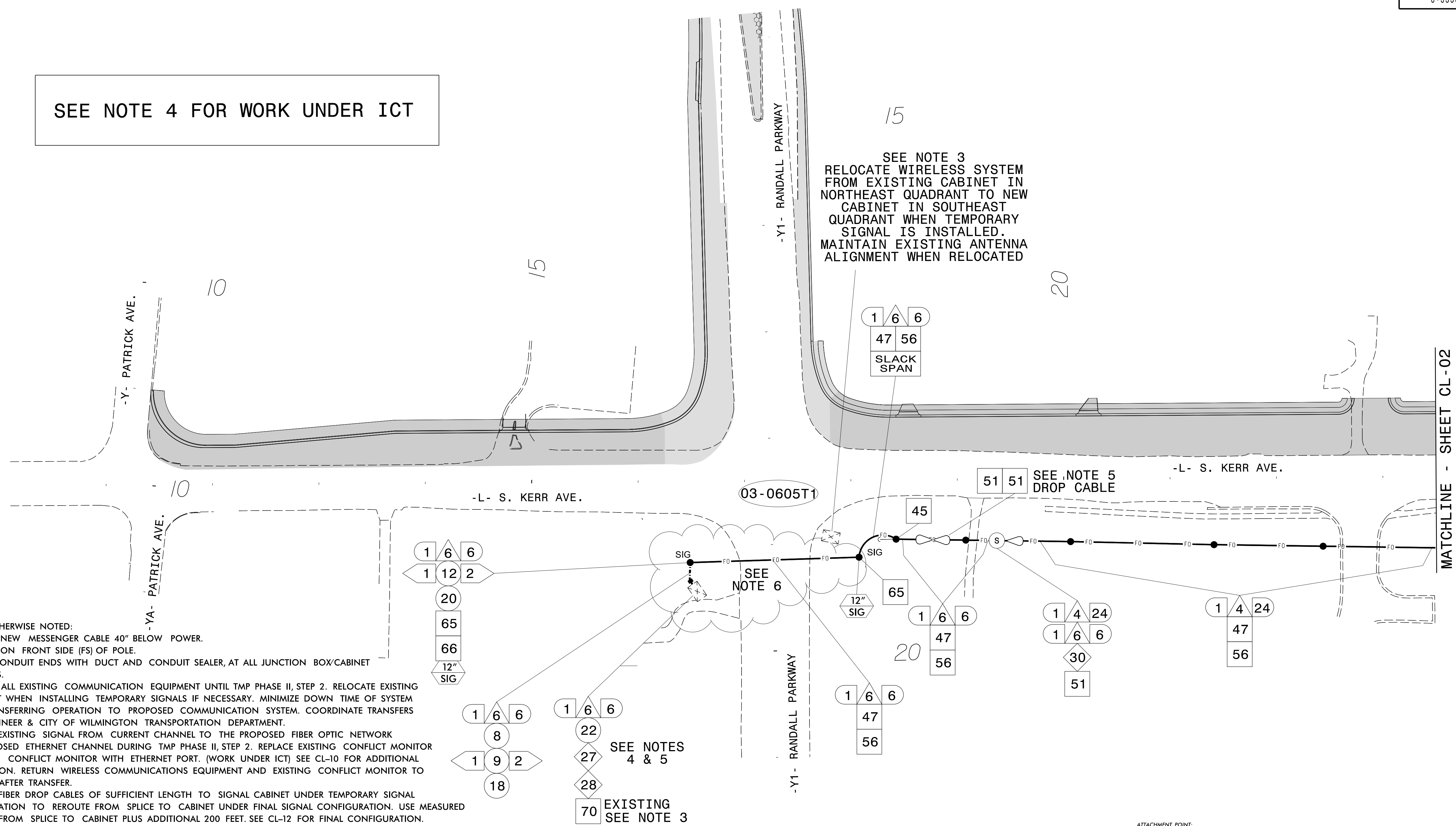


CL-01

SEE NOTE 4 FOR WORK UNDER ICT

SEE NOTE 3 RELOCATE WIRELESS SYSTEM FROM EXISTING CABINET IN NORTHEAST QUADRANT TO NEW CABINET IN SOUTHEAST QUADRANT WHEN TEMPORARY SIGNAL IS INSTALLED. MAINTAIN EXISTING ANTENNA ALIGNMENT WHEN RELOCATED



- NOTES:
- UNLESS OTHERWISE NOTED:
 - ATTACH NEW MESSENGER CABLE 40" BELOW POWER.
 - ATTACH ON FRONT SIDE (FS) OF POLE.
 - SEAL ALL CONDUIT ENDS WITH DUCT AND CONDUIT SEALER, AT ALL JUNCTION BOX/CABINET ENTRANCES.
 - MAINTAIN ALL EXISTING COMMUNICATION EQUIPMENT UNTIL TMP PHASE II, STEP 2. RELOCATE EXISTING EQUIPMENT WHEN INSTALLING TEMPORARY SIGNALS IF NECESSARY. MINIMIZE DOWN TIME OF SYSTEM WHILE TRANSFERRING OPERATION TO PROPOSED COMMUNICATION SYSTEM. COORDINATE TRANSFERS WITH ENGINEER & CITY OF WILMINGTON TRANSPORTATION DEPARTMENT.
 - TRANSFER EXISTING SIGNAL FROM CURRENT CHANNEL TO THE PROPOSED FIBER OPTIC NETWORK FOR PROPOSED ETHERNET CHANNEL DURING TMP PHASE II, STEP 2. REPLACE EXISTING CONFLICT MONITOR WITH NEW CONFLICT MONITOR WITH ETHERNET PORT. (WORK UNDER ICT) SEE CL-10 FOR ADDITIONAL INFORMATION. RETURN WIRELESS COMMUNICATIONS EQUIPMENT AND EXISTING CONFLICT MONITOR TO ENGINEER AFTER TRANSFER.
 - INSTALL 6-FIBER DROP CABLES OF SUFFICIENT LENGTH TO SIGNAL CABINET UNDER TEMPORARY SIGNAL CONFIGURATION TO REROUTE FROM SPLICE TO CABINET UNDER FINAL SIGNAL CONFIGURATION. USE MEASURED DISTANCE FROM SPLICE TO CABINET PLUS ADDITIONAL 200 FEET. SEE CL-12 FOR FINAL CONFIGURATION.
 - SIGNAL POLES, CABINET, CONDUIT AND JUNCTION BOX INSTALLED PER TEMPORARY SIGNAL PLAN UNLESS NOTED.

1 INSTALL REA, PE - 22, SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE	13 INSTALL HEAT SHRINK TUBING RETROFIT KIT	25 INSTALL NEW RISER INTO POLE MOUNTED CABINET	37 INSTALL CCTV WOOD POLE	49 REMOVE EXISTING COMMUNICATIONS CABLE	61 INSTALL UNI-DIRECTIONAL ANTENNA
2 INSTALL REA, PE - 38, (FIGURE - 8) SHIELDED, TWISTED PAIR COMMUNICATIONS CABLE	14 INSTALL HIGH DENSITY POLYETHYLENE CONDUIT	26 INSTALL DIGITAL VIDEO ENCODER	38 INSTALL STANDARD SIZE JUNCTION BOX	50 INSTALL WIRELESS DSL	62 NOT USED
3 INSTALL CATEGORY 5E CABLE	15 DIRECTIONAL DRILL CONDUIT	27 INSTALL NEW ETHERNET EDGE SWITCH IN CABINET	39 INSTALL SPECIAL-SIZED JUNCTION BOX	51 INSTALL CABLE STORAGE GUIDE(S) [SNOW SHOE(S)] AND STORE 100 FEET OF EACH CABLE	63 INSTALL 900 MHZ ETHERNET RADIO
4 INSTALL SMFO CABLE	16 BORE AND JACK CONDUIT	28 INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPLICE CABLE IN CABINET	40 INSTALL OVERSIZED JUNCTION BOX	52 INSTALL DELINEATOR MARKER	64 INTERCEPT AND REROUTE EXISTING CONDUITS
5 INSTALL COAXIAL ANTENNA CABLE	17 INSTALL CABLE(S) IN EXISTING CONDUIT	29 INSTALL UNDERGROUND SPLICE ENCLOSURE	41 REMOVE EXISTING JUNCTION BOX	53 STORE 50 FEET OF COMMUNICATIONS CABLE (EACH CABLE)	65 BOND MESSENGER TO POLE GROUND
6 INSTALL FIBER-OPTIC DROP CABLE	18 INSTALL CABLE(S) IN NEW CONDUIT	30 INSTALL AERIAL SPLICE ENCLOSURE	42 INSTALL WOOD POLE	54 LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE	66 BOND RISER TO POLE GROUND
7 INSTALL TRACER WIRE	19 INSTALL CABLE(S) IN EXISTING RISER(S)	31 INSTALL SPLICE CABINET	43 REMOVE EXISTING WOOD POLE	55 LASH CABLE(S) TO EXISTING MESSENGER CABLE	67 BOND TRACER WIRE TO POLE GROUND
8 TRENCH	20 INSTALL CABLE(S) IN NEW RISER(S)	32 MODIFY EXISTING SPLICE ENCLOSURE OR INTERCONNECT CENTER	44 INSTALL AERIAL GUY ASSEMBLY	56 LASH CABLE(S) TO NEW MESSENGER CABLE	68 BOND TRACER WIRE TO EQUIPMENT GROUND BUS
9 INSTALL PVC CONDUIT	21 INSTALL CABLE(S) IN EXISTING CONDUIT STUBOUTS	33 REMOVE EXISTING SPLICE /HUB /CCTV CABINET	45 INSTALL STANDARD GUY ASSEMBLY	57 MODIFY EXISTING ELECTRICAL SERVICE FOR CCTV	69 REMOVE EXISTING CCTV CAMERA ASSEMBLY
10 INSTALL RIGID, GALVANIZED STEEL CONDUIT	22 INSTALL NEW CONDUIT INTO CABINET BASE (USE EX CONDUIT STUBOUTS WHEN AVAILABLE)	34 INSTALL CABINET FOUNDATION	46 INSTALL SIDEWALK GUY ASSEMBLY	58 INSTALL NEW ELECTRICAL SERVICE FOR CCTV	70 INSTALL RELOCATED WIRELESS SYSTEM
11 INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD	23 INSTALL NEW RISER INTO CABINET BASE (USE EX CONDUIT STUBOUTS WHEN AVAILABLE)	35 REMOVE EXISTING CABINET FOUNDATION	47 INSTALL MESSENGER CABLE	59 INSTALL NEW POLE MOUNTED CCTV CABINET	
12 INSTALL RIGID, GALVANIZED STEEL RISER WITH HEAT SHRINK TUBING	24 INSTALL NEW CONDUIT INTO POLE MOUNTED CABINET	36 INSTALL CCTV CAMERA ASSEMBLY	48 REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE	60 INSTALL NEW BASE MOUNTED CCTV CABINET	

ATTACHMENT POINT:
 XXX DISTANCE ABOVE (IN) REFERENCE POINT
 YYY REFERENCE POINT DISTANCE BELOW (IN)
 CONSTRUCTION NOTE SYMBOLGY KEY
 NUMBER OF CABLES/LOOPS, DETECTOR AMPLIFIERS, GUYS
 NUMBER OF RISERS/CONDUITS
 NUMBER OF FIBER/TWISTED PAIRS
 DIAMETER OF RISERS/CONDUITS (IN)

TMP PHASE I - PHASE II, Steps 1 & 2

ATKINS

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Prepared for the Offices of:
 Transportation Mobility and Safety Division
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 Intelligent Transportation Systems

750 Greenfield Parkway, Garner, NC 27529

U-3338B - Kerr Avenue Cable Layout Plans

Division 03 New Hanover County Wilmington

PLAN DATE: April 2014 REVIEWED BY: LM Moon
 PREPARED BY: AM THIGPEN REVIEWED BY: MB Toth

SCALE: 1"=50'

12/19/14

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