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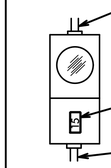
PROJECT REFERENCE NO.	SHEET NO.
R-2123CG	ITS-8

CCTV–1 GPS COORDINATES

N 35° 20.399′
W 80° 44.484′

DRAWING 1

NEW ELECTRICAL SERVICE EQUIPMENT



INSTALL 3–WIRE #3 COPPER SERVICE ENTRANCE CONDUCTORS IN NEW 1¼″ RIGID GALVANIZED RISER WITH WEATHERHEAD. INSTALL 1¼″ RAINPROOF CONDUIT HUB ON TOP OF NEW SERVICE METER/DISCONNECT COMBO PANEL

INSTALL NEW SERVICE DISCONNECT WITH 1 SINGLE POLE, 15 AMP CIRCUIT BREAKER

INSTALL ONE 1″ CONDUIT WITH THREE #4 COPPER FEEDER CONDUCTORS TO CCTV EQUIPMENT CABINET DISCONNECT

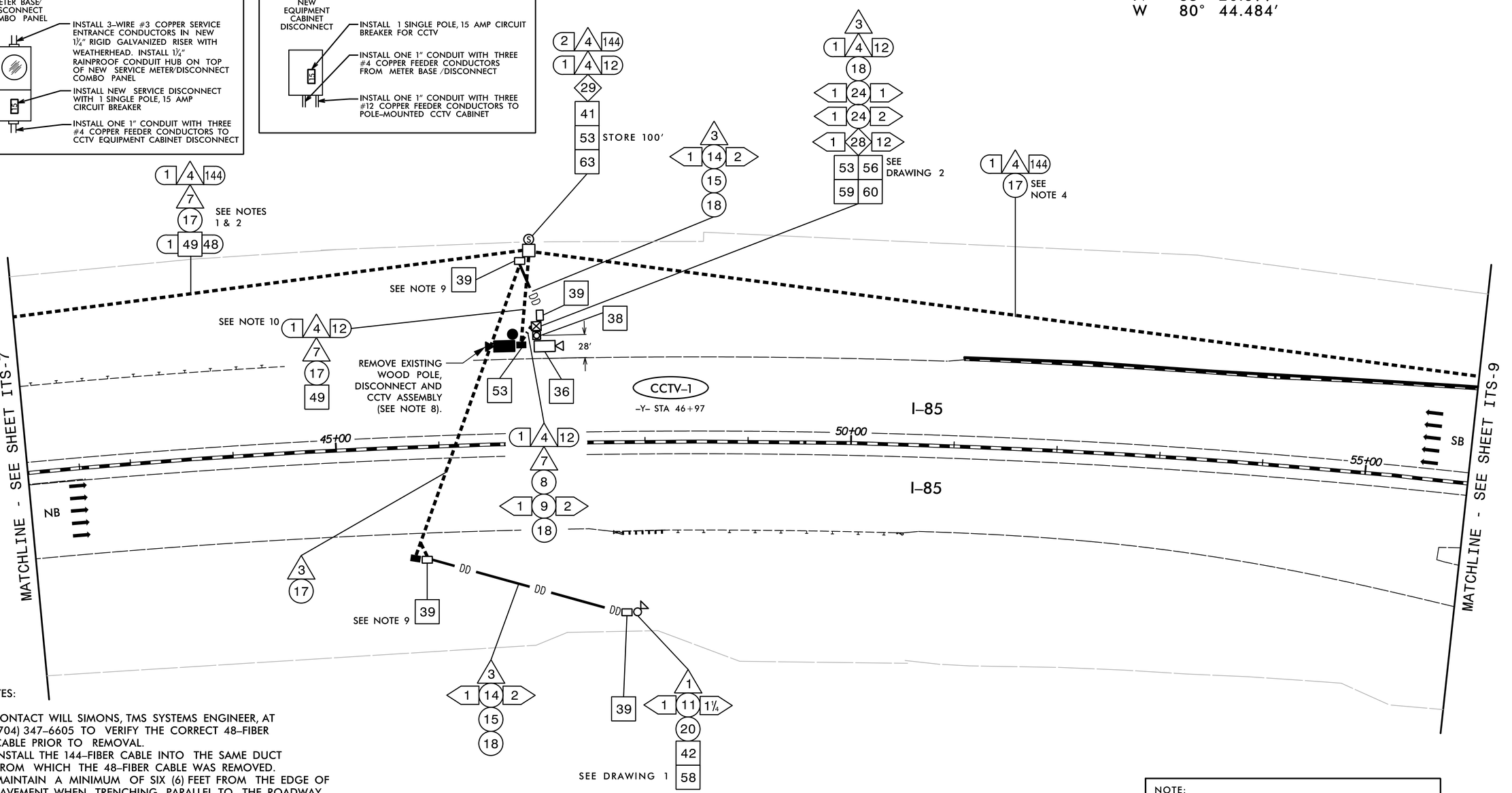
DRAWING 2

NEW EQUIPMENT CABINET DISCONNECT

INSTALL 1 SINGLE POLE, 15 AMP CIRCUIT BREAKER FOR CCTV

INSTALL ONE 1″ CONDUIT WITH THREE #4 COPPER FEEDER CONDUCTORS FROM METER BASE /DISCONNECT

INSTALL ONE 1″ CONDUIT WITH THREE #12 COPPER FEEDER CONDUCTORS TO POLE–MOUNTED CCTV CABINET



NOTES:

1. CONTACT WILL SIMONS, TMS SYSTEMS ENGINEER, AT (704) 347–6605 TO VERIFY THE CORRECT 48–FIBER CABLE PRIOR TO REMOVAL.
2. INSTALL THE 144–FIBER CABLE INTO THE SAME DUCT FROM WHICH THE 48–FIBER CABLE WAS REMOVED.
3. MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY.
4. INSTALL FIBER–OPTIC CABLE INTO THE EXISTING BLACK DUCT.
5. CONTACT THE REGIONAL ITS ENGINEER AT (704) 347–6601 TO CONFIRM THE LOCATION OF THE CCTV.
6. MOUNT THE CCTV CAMERA 45′ ABOVE GRADE.
7. INSTALL A LEVEL CONCRETE TECHNICIAN PAD MEASURING A MINIMUM 4 INCHES THICK, 24 INCHES WIDE AND 36 INCHES LONG AT THE FRONT DOOR OF THE CCTV EQUIPMENT CABINET. SEE TYPICAL DETAILS SHEET.
8. DELIVER REMOVED EQUIPMENT TO THE MRTMC. CONCTACT WILL SIMONS AT (704) 347–6605 PRIOR TO DELIVERY.
9. REROUTE EXISTING BLACK 2″ CONDUIT FROM EXISTING OVERSIZED JUNCTION BOX TO NEW STANDARD JUNCTION BOX FOR POWER CONDUCTORS.
10. REMOVE EXISTING CABLE AND INSTALL NEW 12–FIBER CABLE WITH TRACER WIRE.
11. CONTACT TOM EDELIN (DUKE ENERGY) AT (704) 582–8070 TO OBTAIN POWER TO ELECTRICAL SERVICE.

NOTE:
ELECTRICAL SERVICE DETAILS AND CONSTRUCTION METHODS DEPICT FIELD CONDITIONS AT THE TIME OF DESIGN. CONTRACTOR IS TO VERIFY ACTUAL CONDITIONS AT THE TIME OF CONSTRUCTION AND OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO MAKING ANY CHANGES.

HNTB
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Plans Prepared for:
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
DEPARTMENT OF TRANSPORTATION
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE 0 50
1″=50′

CABLE ROUTING PLAN

DIVISION 10 MECKLENBURG CO. CHARLOTTE

PLAN DATE:	DECEMBER 2014	REVIEWED BY:	A.D. KLINKSIEK
PREPARED BY:	T.R. TERRELL	REVIEWED BY:	H.L. WINSTEAD

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 07983 ENGINEER HARVEY L. WINSTEAD, JR.

DocuSigned by:
H L Winstead 12-18-2014
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SIGNATURE DATE

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