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PROJECT REFERENCE NO.	SHEET NO.
C-5600G	ITS-10

CCTV–2 GPS COORDINATES

N 35° 15.863′
W 81° 04.102′

DRAWING 1

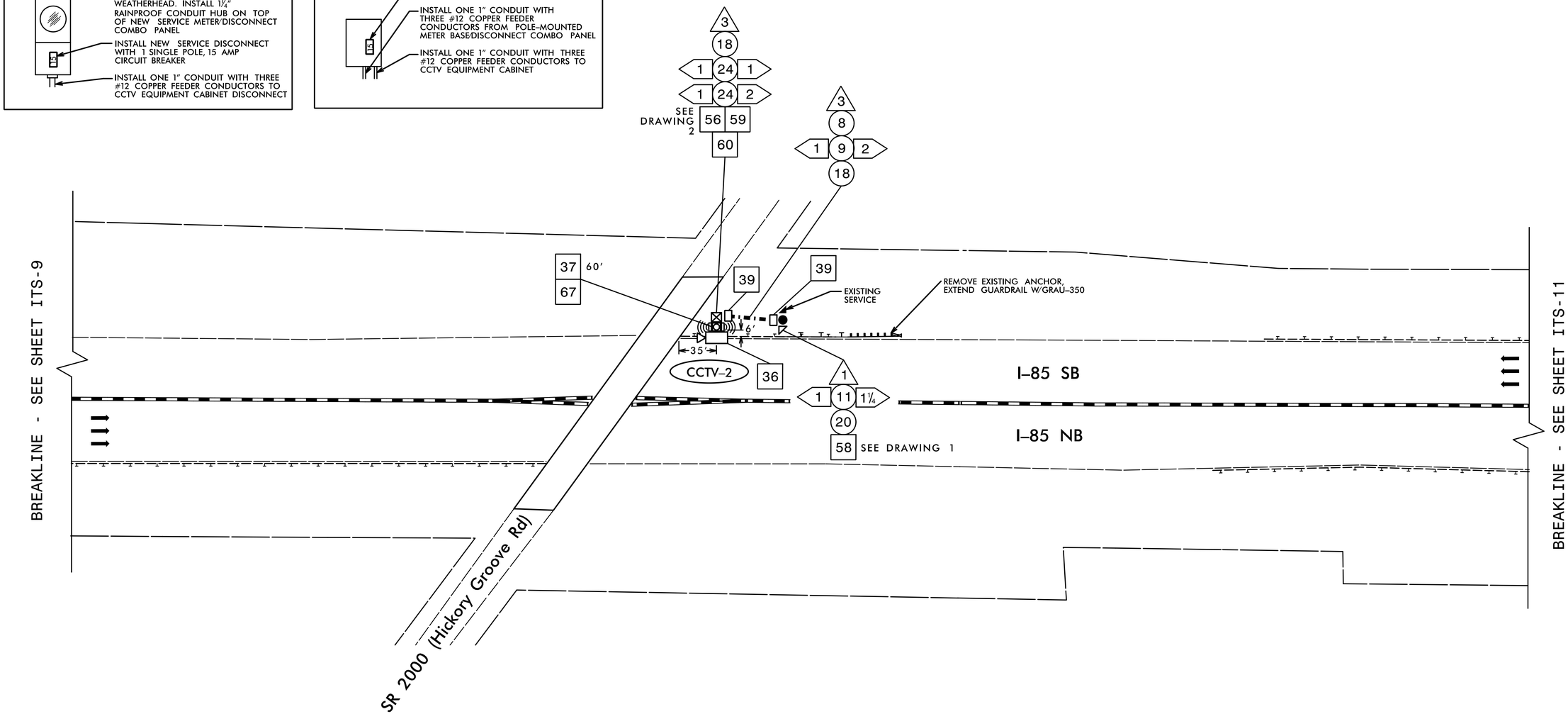
NEW ELECTRICAL SERVICE EQUIPMENT

- 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 #12 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 #12 COPPER FEEDER CONDUCTORS FROM POLE–MOUNTED METER BASE/DISCONNECT COMBO PANEL
- INSTALL ONE 1″ CONDUIT WITH THREE #12 COPPER FEEDER CONDUCTORS TO CCTV EQUIPMENT CABINET



NOTES:

A. MAINTAIN A MINIMUM OF SIX (6) FEET FROM THE EDGE OF PAVEMENT WHEN TRENCHING PARALLEL TO THE ROADWAY.
B. DO NOT INSTALL ELECTRICAL POWER CONDUCTORS AND FIBER–OPTIC CABLE INTO THE SAME JUNCTION BOX.
C. CONTACT THE REGIONAL ITS ENGINEER AT (704) 347–6601 TO CONFIRM THE LOCATION OF THE CCTV CAMERA.
D. DO NOT INSTALL CONDUIT OR JUNCTION BOXES UNTIL THE LOCATION OF THE CCTV CAMERA HAS BEEN CONFIRMED BY THE REGIONAL ITS ENGINEER.
E. MOUNT THE CCTV CAMERA 55′ ABOVE GRADE.
F. INSTALL A LEVEL CONCRETE TECHNICIAN PAD MEASURING A MINIMUM OF 4 INCHES THICK, 24 INCHES WIDE AND 36 INCHES LONG AT THE FRONT DOOR OF THE CCTV EQUIPMENT CABINET. SEE TYPICAL DETAILS SHEET.
G. CONTACT DUKE ENERGY AT (800) 653–5307 TO ARRANGE FOR POWER TO ELECTRICAL SERVICE.
H. NEW ELECTRICAL BREAKER WILL BE LABELED WITH MAXIMUM AVAILABLE FAULT CURRENT. INFORMATION TO BE PRINTED ON LABEL WILL BE OBTAINED FROM THE UTILITY BY NCDOT AND PROVIDED TO THE CONTRACTOR.

HNTB
HNTB NORTH CAROLINA, P.C.
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Raleigh, North Carolina 27609
NC License No: C-1554

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Plans Prepared for:
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Transportation Mobility and Safety Division
Intermodal Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

SCALE 0 50 1″=50′

COMMUNICATIONS ROUTING PLAN

DIVISION 12 GASTON CO. MCADENVILLE

PLAN DATE:	JUNE 2016	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, Jr.
ES3132D814F2474
SIGNATURE
7/8/2016
DATE

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