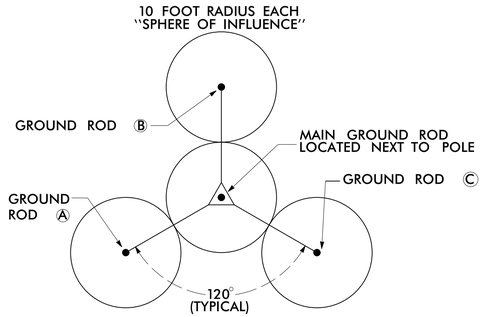
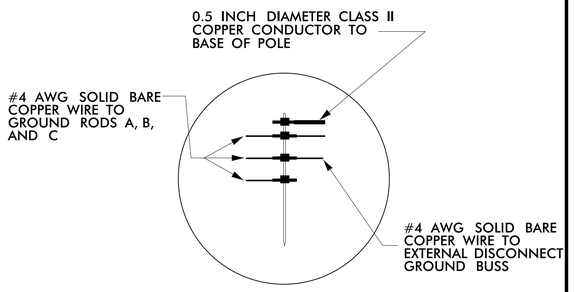
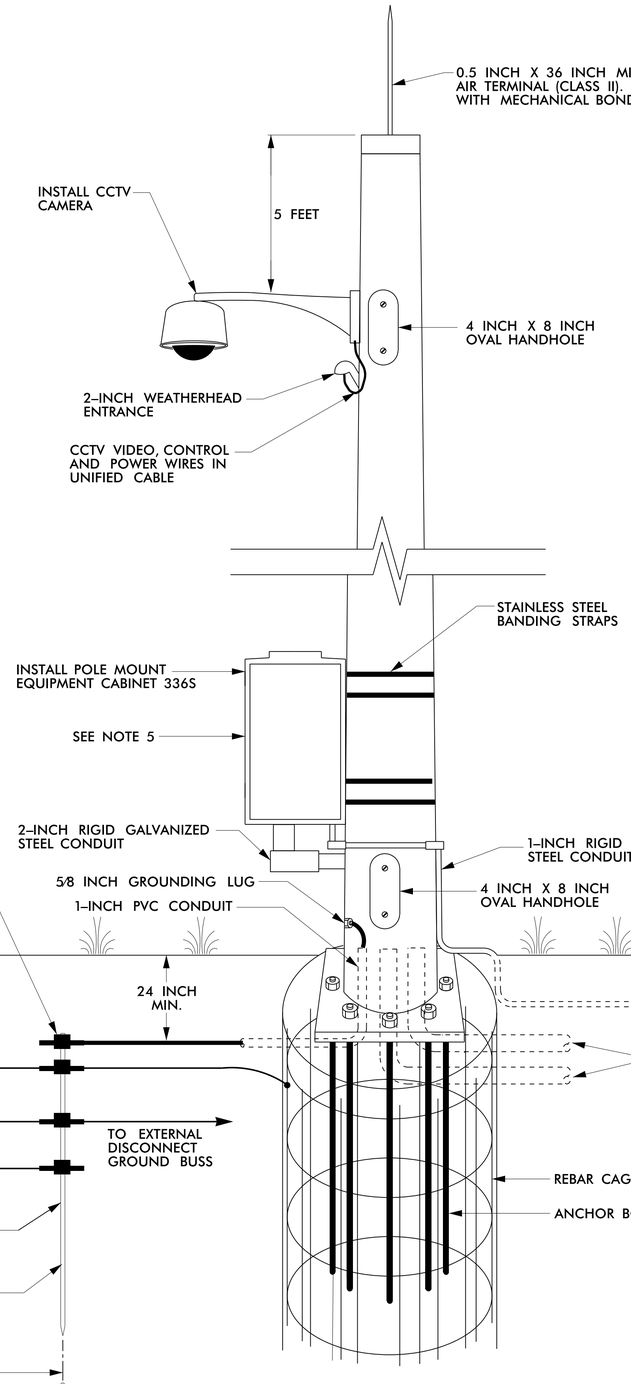
PROJECT REFERENCE NO.	SHEET NO.
U-2525C	ITS-4



GROUND ROD PLACEMENT DETAIL
(TYPICAL EACH POLE)



INSET `A'

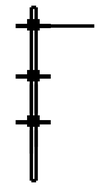


NOTES

1. BOND 0.5 INCH DIAMETER, 28 STRAND (MINIMUM) CLASS II COPPER CONDUCTOR TO THE MAIN GROUND ROD BY A MECHANICAL CRIMP USING AN IRREVERSIBLE COMPRESSION TOOL.
2. MECHANICALLY CRIMP ALL CONNECTIONS TO GROUND RODS USING AN IRREVERSIBLE COMPRESSION TOOL.
3. BOND #4 AWG SOLID BARE COPPER WIRE TO REBAR CAGE AND THE MAIN GROUND ROD BY A MECHANICAL CRIMP USING AN IRREVERSIBLE COMPRESSION TOOL.
4. ENSURE CAMERA HOUSING, CAMERA, AND PAN–TILT UNIT ARE BONDED TO POLE.
5. REMOVE BONDING JUMPER BETWEEN EQUIPMENT CABINET GROUND BUSS AND NEUTRAL BUSS.
6. THE CONTRACTOR MAY, UPON APPROVAL OF THE ENGINEER, INSTALL A 30–FOOT SECTIONAL GROUND ROD WHEN CONDITIONS WILL NOT ALLOW FOR THE INSTALLATION OF THE 3 – RADIALGROUND RODS.
7. INSTALL MARKER TAPE DIRECTLY ABOVE ALL GROUNDING ELECTRODES AND CONDUCTORS AT A DEPTH OF 12 INCHES.

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 IRREVERSIBLE COMPRESSION COUPLER

Prepared in the Offices of:

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Connecting People and Places Safely and Efficiently
DEPARTMENT OF TRANSPORTATION

750 N. Greenfield Pkwy., Garner, NC 27529

CCTV CAMERA WITH CABINET ON METAL POLE WITH UNDERGROUND ELECTRICAL SERVICE TYPICAL DETAIL

DIVISION 07	GUILFORD CO.		GREENSBORO
PLAN DATE:	NOVEMBER 2017	REVIEWED BY:	P.P. MARAK, PE
PREPARED BY:	G.A. GREEN	REVIEWED BY:	M.A. ASLAMI, PE

SCALE
0
N/A

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 031636 ENGINEER PAUL P MARAK

Docusigned by: Paul Marak 12/14/2017
SIGNATURE DATE

CADD Filename: