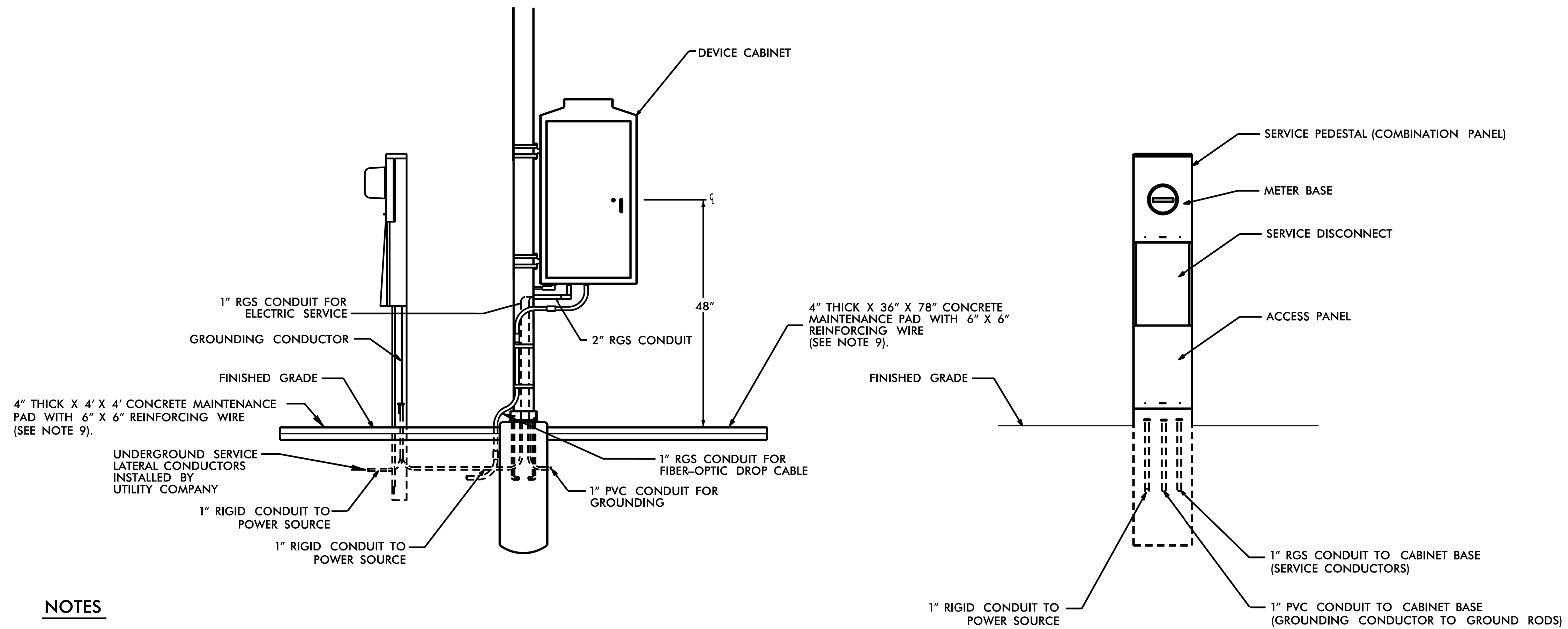




DO NOT INSTALL MAINTENANCE PAD ON EXCESSIVE SLOPE (GREATER THAN 3:1)



**NOTES**

1. TEST GROUNDING SYSTEM USING AN APPROVED METHOD IN ACCORDANCE WITH SPECIAL PROVISIONS. INSTALL GROUND RODS AS DIRECTED BY THE ENGINEER TO MEET THIS REQUIREMENT.
2. REMOVE ANY EXISTING GROUND RODS IN CONCRETE CABINET FOUNDATION BY CUTTING OFF FLUSH WITH FOUNDATION SURFACE.
3. REMOVE BONDING JUMPER IN EQUIPMENT CABINET IF INSTALLED BETWEEN AC NEUTRAL AND EQUIPMENT GROUND.
4. BOND ALL RIGID GALVANIZED STEEL CONDUITS ENTERING THE CABINET TO "EQUIPMENT GROUND".
5. INSTALL RIGID GALVANIZED STEEL CONDUIT (MINIMUM 1") BETWEEN DISCONNECT AND CABINET.
6. SERVICE DISCONNECT GROUND BUS BAR SHALL PROVIDE FOR 2 #4 AWG CONNECTIONS.
7. IF CONDITIONS REQUIRE SERVICE PEDESTAL TO BE INSTALLED IN FRONT OR REAR OF CABINET, MAINTAIN SUFFICIENT CLEARANCE FOR DOOR TO FULLY OPEN.
8. ALL WORK AND NEW EQUIPMENT SHALL BE DESIGNED AND INSTALLED ACCORDING TO THE REQUIREMENTS AND FUNCTIONALITY DESCRIBED IN THE RFP.
9. CONCRETE PADS FOR SERVICE PEDESTAL AND CABINET SHALL BE COMBINED INTO A SINGLE PAD, IF PEDESTAL IS PRESENT NEXT TO POLE. COMBINATION PANELS NOT ADJACENT TO CABINETS DO NOT REQUIRE A MAINTENANCE PAD.

REVISED 8 / 24 / 11

**ATKINS** 5200 77 Center Drive, Suite 50  
Charlotte, North Carolina 28217  
(704) 522-7275 NCBEEES #F-0326

**ITS STANDARD DETAILS**  
POWER SERVICE DETAIL  
POLE-MOUNTED CABINET

REV. NO.	BY	DATE	DESCRIPTION
1	DLJ	10/7/14	Meter pad, border content

SCALE: N.T.S.	NORTH CAROLINA TURNPIKE AUTHORITY	SHEET NO. P-2
DATE: August, 2011		
DWG. BY: B. Slocum		
DESIGN BY: A. Badgett / D. Jones		
APPROVED: A. Lelowski		

\*\*\*\*\*SYTIME\*\*\*\*\*  
\*\*\*\*\*PREFETCH\*\*\*\*\*  
\*\*\*\*\*CONSTRUCTION\*\*\*\*\*  
\*\*\*\*\*DRAWING\*\*\*\*\*

11/13/2017  
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLANS PREPARED BY:  
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900 RIDGEFIELD DRIVE SUITE 350  
RALEIGH, NORTH CAROLINA 27609-3960  
NC LICENSE NO. F-0112 • (919) 878-9560

Prepared for the Offices of:  
**STATE OF NORTH CAROLINA**  
Department of Transportation  
750 N. Greenfield Place, Garner, NC 27529  
SCALE: N/A

**NORTH CAROLINA TURNPIKE AUTHORITY**  
ITS STANDARD DETAIL  
DIVISION 05 WAKE COUNTY TOWN OF CARY  
PLAN DATE: NOVEMBER 2017 REVIEWED BY: C.B. HOLDEN  
PREPARED BY: D.T. SEARS REVIEWED BY:  

REVISIONS	INIT.	DATE

CADD File name: u5315\_its\_standard-detail1.dgn