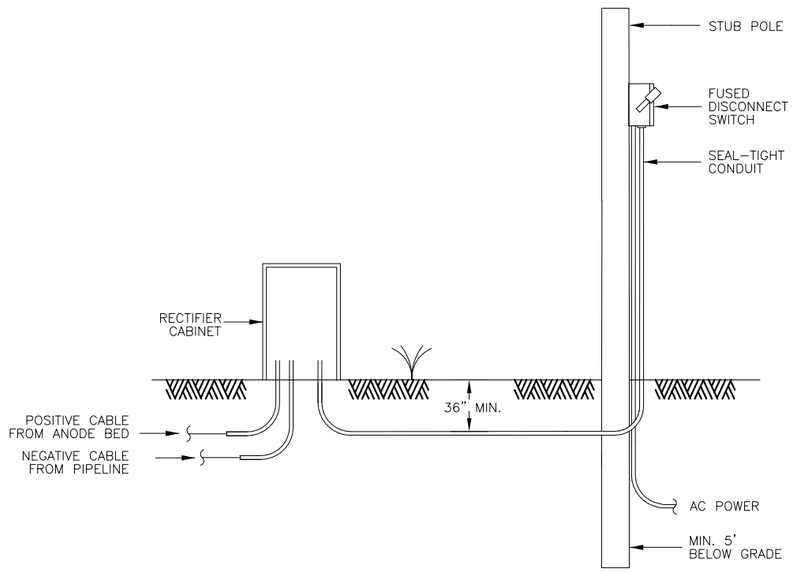
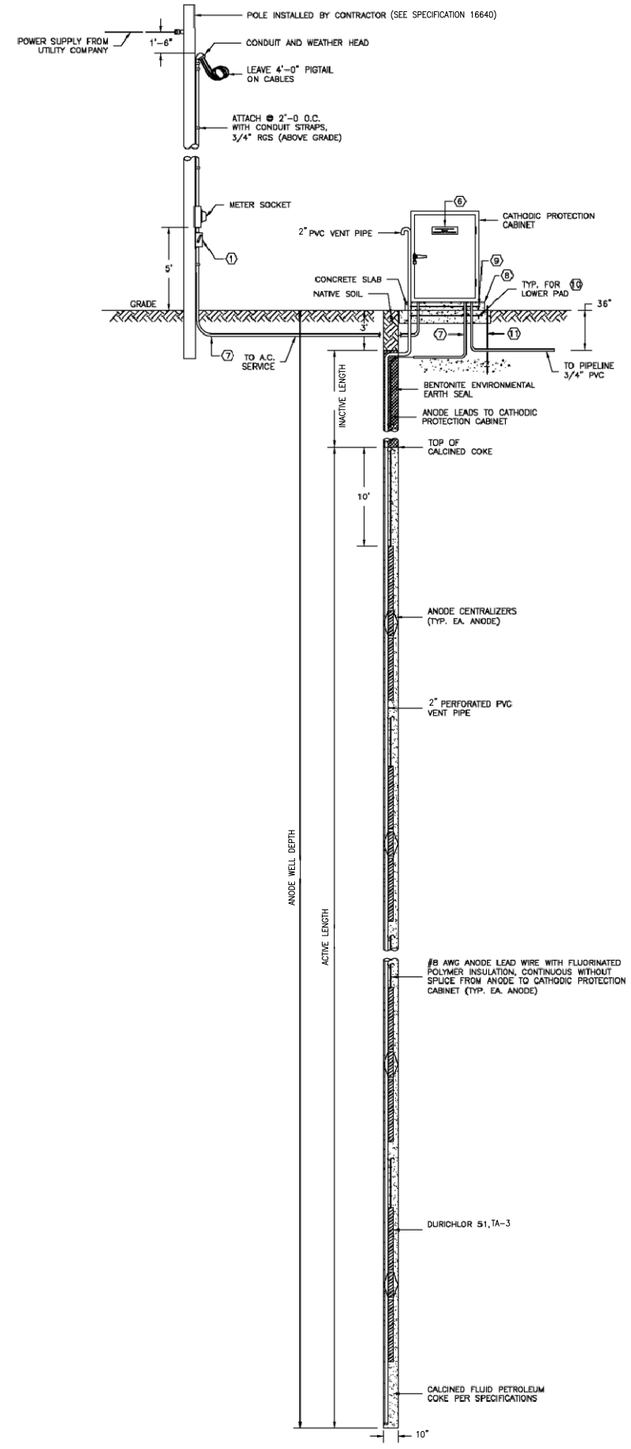


5 AC SERVICE FOR RECTIFIER

NO SCALE

RECTIFIER INFORMATION

PIPE MATERIAL	RECTIFIER NO.	STATION NO.	SIZE OF RECTIFIERS (AMPS/VOLTS)	NUMBER OF ANODES	ANODE WELL DEPTH	ACTIVE LENGTH	INACTIVE LENGTH
DIELECTRIC COATED STEEL PIPE							
CEMENT MORTAR COATED STEEL PIPE							
PRESTRESSED CONCRETE CYLINDER OR BAR WRAPPED PIPE							
DUCTILE IRON PIPE WITH POLY WRAP							



6 TYPICAL DEEP ANODE GROUND BED AND A.C. SERVICE FOR CATHODIC PROTECTION CABINET

NO SCALE (SEE SPECIFICATION 16640 FOR DETAILS)

KEYED NOTES:

1. FUSHED DISCONNECT SWITCH IN A NEMA 1 ENCLOSURE WITH 1–30A FUSED DISCONNECT SWITCH.
2. PLASTIC WIRING DUCT (PANDUIT OR EQUAL) 2" W X 4" H. (MIN.) LENGTH AS REQUIRED.
3. BACK PANEL LOCATED INSIDE OF ENCLOSURE.
4. ENCLOSURE: 36" W X 48" H X 24" X 24" D, 12 GA. TYPE 304 S.S. NEMA 4X, SINGLE DOOR, FREE STANDING, PROVISIONS TO PADLOCK UNIT, LIFTING EYES AND GROUNDING STUD ON DOOR. PROVIDE LOUVERED DOOR TO VENTILATE RECTIFIER UNIT. PROVIDE DRIP SHIELD AND INSIDE SCREEN TO REPEL INSECTS.
5. PLACE STICKERS THAT READ:

   "DANGER
   HIGH VOLTAGE
   KEEP OUT"

   ON ALL FOUR SIDES AND TOP OF ENCLOSURE.
6. PROVIDE PERMANENT ENGRAVED NAME PLATE (BLACK LETTERS ON WHITE BACKGROUND) THAT READS: "CATHODIC PROTECTION CABINET, PROPERTY OF CITY OF HOUSTON IN CASE OF EMERGENCY CALL 311"
7. MAKE TRANSITION FROM PVC CONDUIT (UNDERGROUND TO RGS CONDUIT) ABOVE GROUND.
8. COORDINATE SIZE OF CONCRETE PAD WITH SIZE OF CABINET. THE CONCRETE PEDESTAL THAT THE CABINET RESTS ON TO BE 3" WIDER THAN THE CABINET ON ALL SIDES.
9. #4 GRADE 60 REBAR @12" OC BOTH WAYS.
10. #5 GRADE 60 REBAR @ 12" OC BOTH WAYS.
11. ¾" X 10' GROUND ROD AND #6 COPPER GROUND CABLE.

CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

STANDARD LDWL CATHODIC PROTECTION RECTIFIER & DEEP ANODE GROUND BED

SHEET 2 OF 2 (NOT TO SCALE)

APPROVED BY:	APPROVED BY:
CITY ENGINEER	DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: NOV–10–2016	DWG NO: