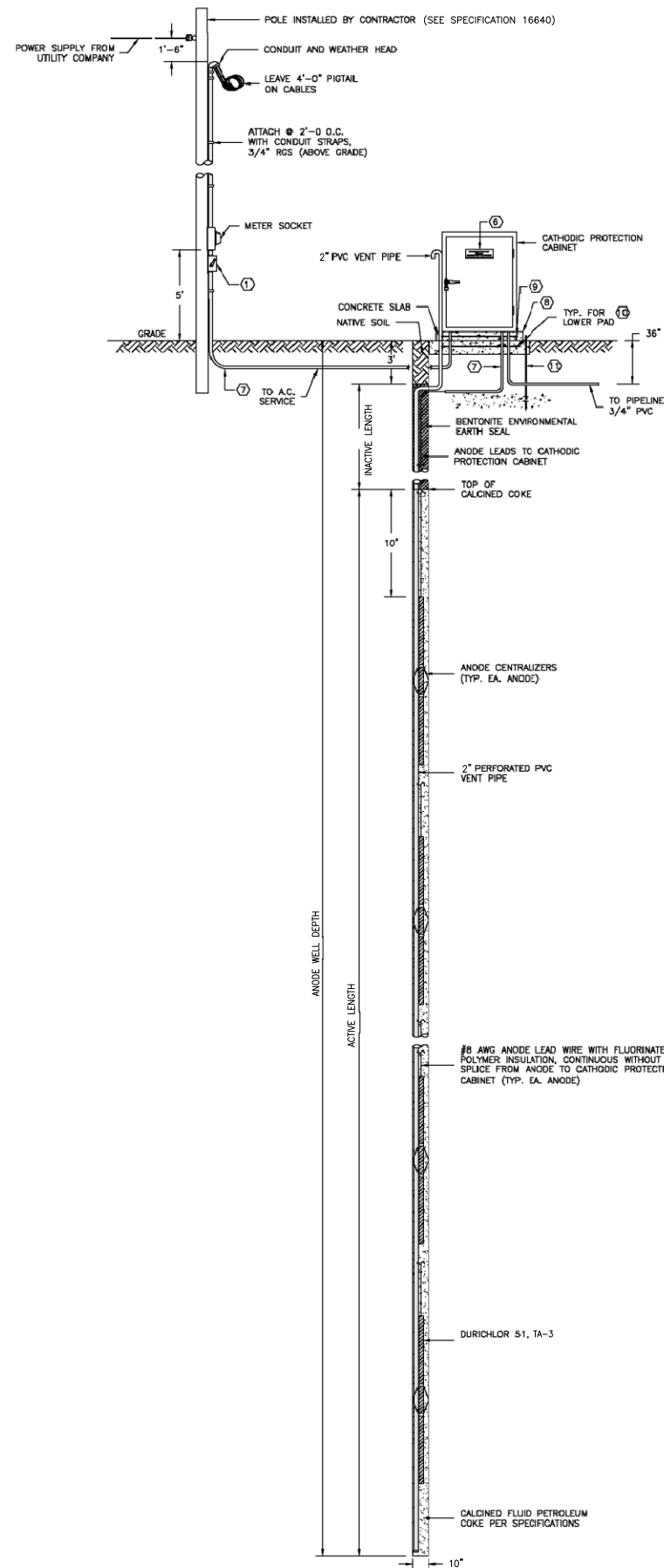


5 AC SERVICE FOR RECTIFIER
NO SCALE

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							



KEYED NOTES:

- FUSED DISCONNECT SWITCH IN A NEMA 1 ENCLOSURE WITH 1-30A FUSED DISCONNECT SWITCH.
- PLASTIC WIRING DUCT (PANDUIT OR EQUAL) 2" W. x 4" H. (MIN.) LENGTH AS REQUIRED. FURNISH WITH COVERS.
- BACK PANEL LOCATED INSIDE OF ENCLOSURE.
- ENCLOSURE: 36" W. x 48" H. 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.
- PLACE STICKERS THAT READ:

"DANGER
HIGH VOLTAGE
KEEP OUT"

ON ALL FOUR SIDES AND TOP OF ENCLOSURE.
- 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"
- MAKE TRANSITION FROM PVC CONDUIT (UNDERGROUND TO RCS CONDUIT) ABOVE GROUND.
- 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.
- #4 GRADE 60 REBAR @12" OC BOTH WAYS.
- #5 GRADE 60 REBAR @12" OC BOTH WAYS.
- 3/4" x 10' GROUND ROD AND #5 COPPER GROUND CABLE.

6 TYPICAL DEEP ANODE GROUND BED AND A.C. SERVICE FOR CATHODIC PROTECTION CABINET
NO SCALE (SEE SPECIFICATION 16640 FOR DETAILS)

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

STANDARD LDWL
CATHODIC PROTECTION RECTIFIER &
DEEP ANODE GROUND BED DETAILS
(SHEET 2 OF 2)
(NOT TO SCALE)

REVISED ON: _____
REVISED BY: _____

EFF DATE: MAR-20-2018 DWG NO: **16640-03**