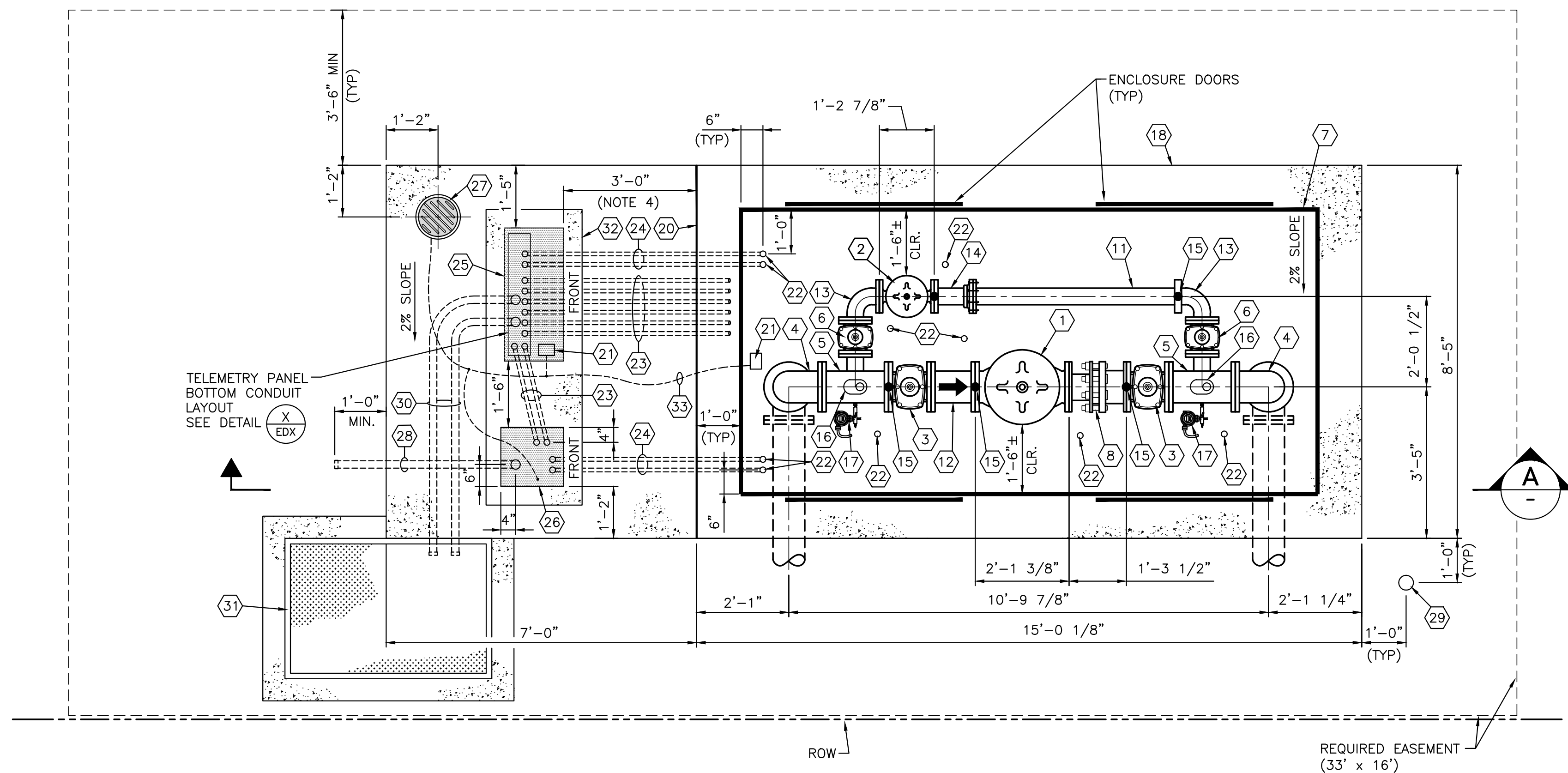


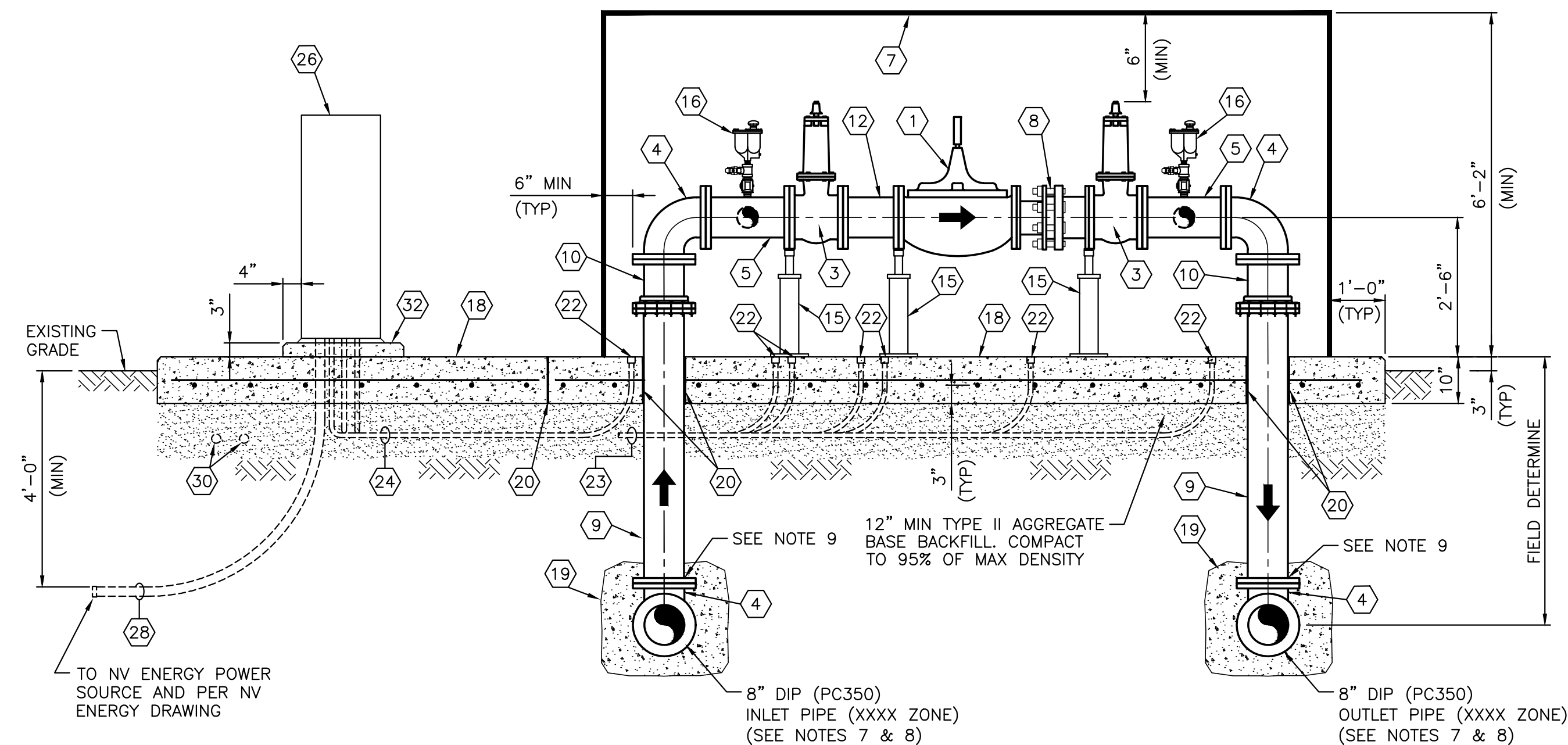


NOTES:

1. **PRESSURE REDUCING VALVE SETTINGS:**
8" PRV = XX PSI
4" PRV = XX PSI
2. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY AND ALL DAMAGED OR DISTURBED EXISTING LANDSCAPING, IN AND ADJACENT TO PROJECT SITE, DURING CONSTRUCTION OPERATIONS.
3. PRESSURE REDUCING ASSEMBLY AND ABOVE GROUND PIPING TO BE PAINTED WHITE PER SPECS.
4. 3'-0" MIN CLEARANCE IN FRONT & BEHIND POWER SERVICE PEDESTAL.
5. TELEMETRY ENCLOSURE TO FACE NORTH OR EAST WITH 3.5' MIN CLEARANCE IN FRONT OF ENCLOSURE.
6. PRV TO INCLUDE POSITION INDICATOR AND CLA-VAL X-144D INSERTION FLOW METERS.
7. INSULATING FLANGE KITS TO BE INSTALLED AT PRV LATERAL CONNECTIONS TO MAIN. PRV LATERALS TO BE FULLY BONDED, INCLUDING RISERS.
8. TWO (2) ANODES TO BE INSTALLED ON EACH PRV LATERAL (TOTAL OF 4 ANODES), SEE $\frac{X}{CDX}$
9. FLANGED REDUCERS TO BE INSTALLED IN VERTICAL ORIENTATION AT BOTTOM OF RISERS IF OVERSIZED LATERALS ARE INSTALLED.
10. POWER SERVICE AVAILABILITY TO BE WITHIN 100' OF NEW PRV INSTALLATION.
11. 3/4" CHAMFER REQUIRED ON ALL EXPOSED EDGES OF CONCRETE PADS (BOTTOM OF PAD EXEMPT).

MATERIAL LIST

- | | |
|--|--|
| 1 8" PRESSURE REDUCING VALVE (SEE NOTE 6) | 22 1" CONDUIT RISER, SEE $\frac{X}{EDX}$ |
| 2 4" PRESSURE REDUCING VALVE (SEE NOTE 6) | 23 1" PVC CONDUITS W/PVC COATED RGS ELBOWS (12" RADIUS), SEE $\frac{X}{EDX}$ |
| 3 8" FLG GATE VALVE (NRS) | 24 1" PVC CONDUITS W/PVC COATED RGS ELBOWS AND PULL WIRE (12" RADIUS)(SPARES), SEE $\frac{X}{EDX}$ |
| 4 8" - 90° FLANGED BEND | 25 TELEMETRY ENCLOSURE WITH SUNSHIELD (48"H x 36"W x 18"D), SEE $\frac{X}{EDX}$ |
| 5 8" x 4" FLANGED TEE W/ 2" NPT (TOP) AND 3/4" NPT (SIDE), SEE $\frac{X}{IDX}$ | 26 POWER SERVICE PEDESTAL (LVVWD PROPERTY) (48"H x 16"W x 17"D), SEE $\frac{X}{EDX}$ |
| 6 4" FLG GATE VALVE (NRS) | 27 GROUNDWELL SYSTEM, SEE $\frac{X}{EDX}$ |
| 7 APPROVED INSULATED ENCLOSURE WITH HINGED ROOF (CONTRACTOR TO SUBMIT SHOP DRAWINGS) | 28 POWER SERVICE CONDUIT (3" MIN.) PER NV ENERGY REQUIREMENTS |
| 8 8" FLG DISMANTLING JOINT (RESTRAINED), ROMAC DJ405 FULLY TELESOPING WITH NO INTERNAL STOPS | 29 VEHICULAR PROTECTION BOLLARD. BOLLARDS TO BE SPACED AT 5'-0" AS REQUIRED. REMOVABLE VEHICULAR BOLLARDS TO BE INSTALLED WHEN INSTALLED DIRECTLY IN FRONT OF ENCLOSURE, SEE $\frac{X}{CDX}$ AND $\frac{X}{CDX}$ |
| 9 8" FLG x PE DUCTILE IRON PIPE, PC350 (CUT TO FIT) | 30 2" PVC CONDUITS FOR FIBER OPTIC, ROUTE TO PULLBOX |
| 10 8" RESTRAINED FLANGE COUPLING ADAPTER W/ INSULATING FLANGE KIT | 31 CENTURYLINK 200 BOX W/ H20-44. HINGED ALUMINUM TORSION ASSIST LIDS WITH 180° LAYBACK CAPABILITY, LID LABELED WITH "LVVWD FIBER" WITH 6" MIN. COLLAR |
| 11 4" FLG x PE DUCTILE IRON PIPE, PC350 (CUT TO FIT) | 32 RAISED CONCRETE PAD FOR TELEMETRY AND POWER ENCLOSURES (26" x 80" MIN) |
| 12 8" FLG x FLG DUCTILE IRON PIPE, PC350 (1'-0") | 33 #2 CU THW. GROUND WIRE. USE EXOTHERMIC (CADWELD) CONNECTION TO ATTACH TO EQUIPMENT PAD REBAR, AND #4/0 GROUNDWELL WIRE. 12" OF EXCESS GROUND WIRE TO BE LEFT INSIDE POWER PEDESTAL. |
| 13 4" - 90° FLANGED BEND | |
| 14 4" RESTRAINED FLANGE COUPLING ADAPTER | |
| 15 ADJUSTABLE PIPE SUPPORT | |
| 16 1" COMBINATION AIR VALVE ASSEMBLY, SEE $\frac{X}{CDX}$ | |
| 17 PRESSURE TRANSMITTER ASSEMBLY, SEE $\frac{X}{EDX}$ | |
| 18 10" THICK CONCRETE PAD (4,500 PSI) REINFORCED W/#4 BARS @ 12"O.C. | |
| 19 CONCRETE THRUST BLOCK, SEE $\frac{X}{CDX}$ | |
| 20 1/2" EXPANSION JOINT MATERIAL | |
| 21 BOLT EQUIPMENT GROUNDING PLATE TO SLAB, SEE $\frac{X}{EDX}$ | |



SECTION **A**

8" x 4" PRV ASSEMBLY WITH FUTURE POWER AND TELEMETRY

SCALE: 1/2"=1'-0"

PRV03-2

110520