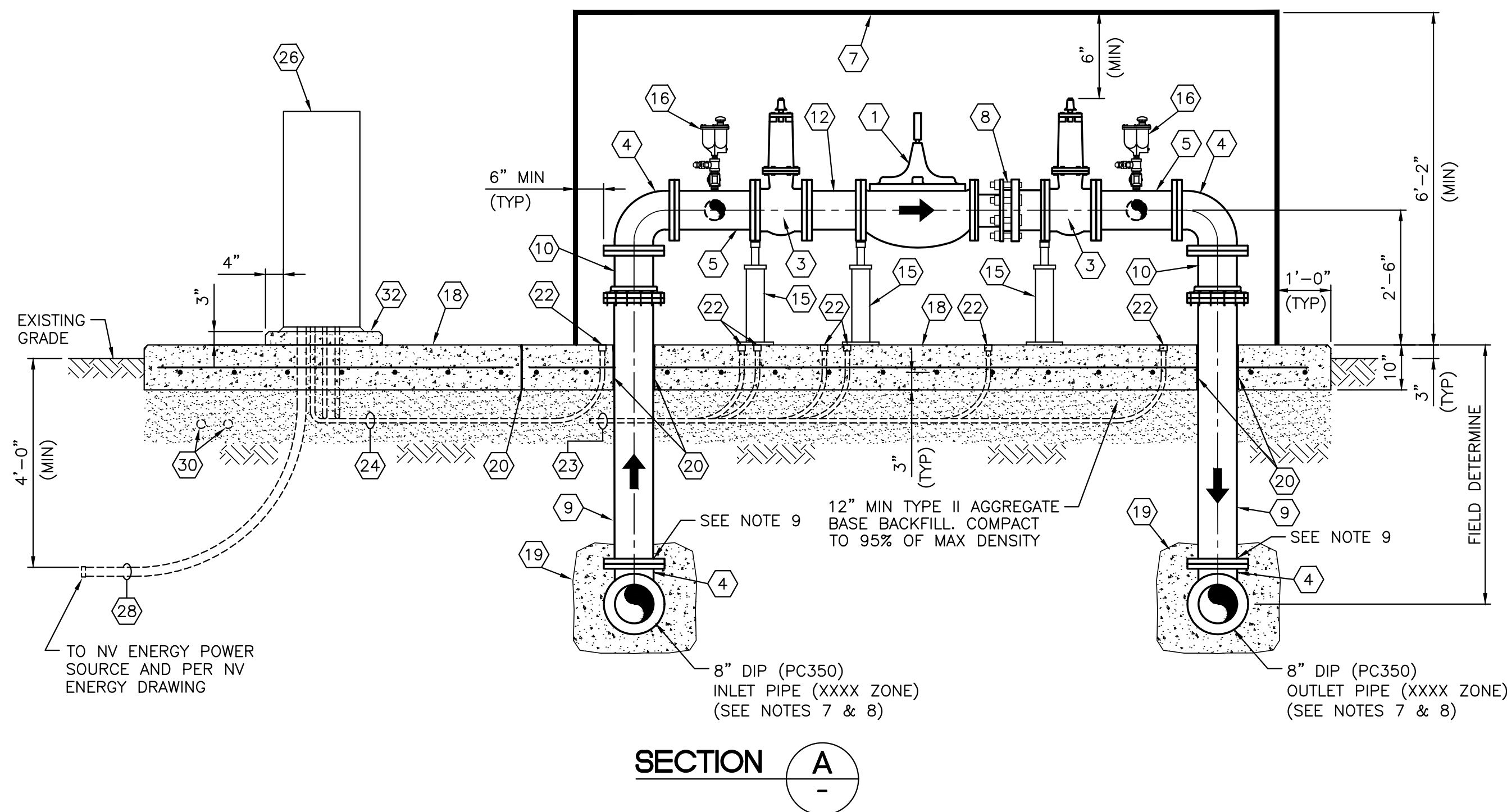
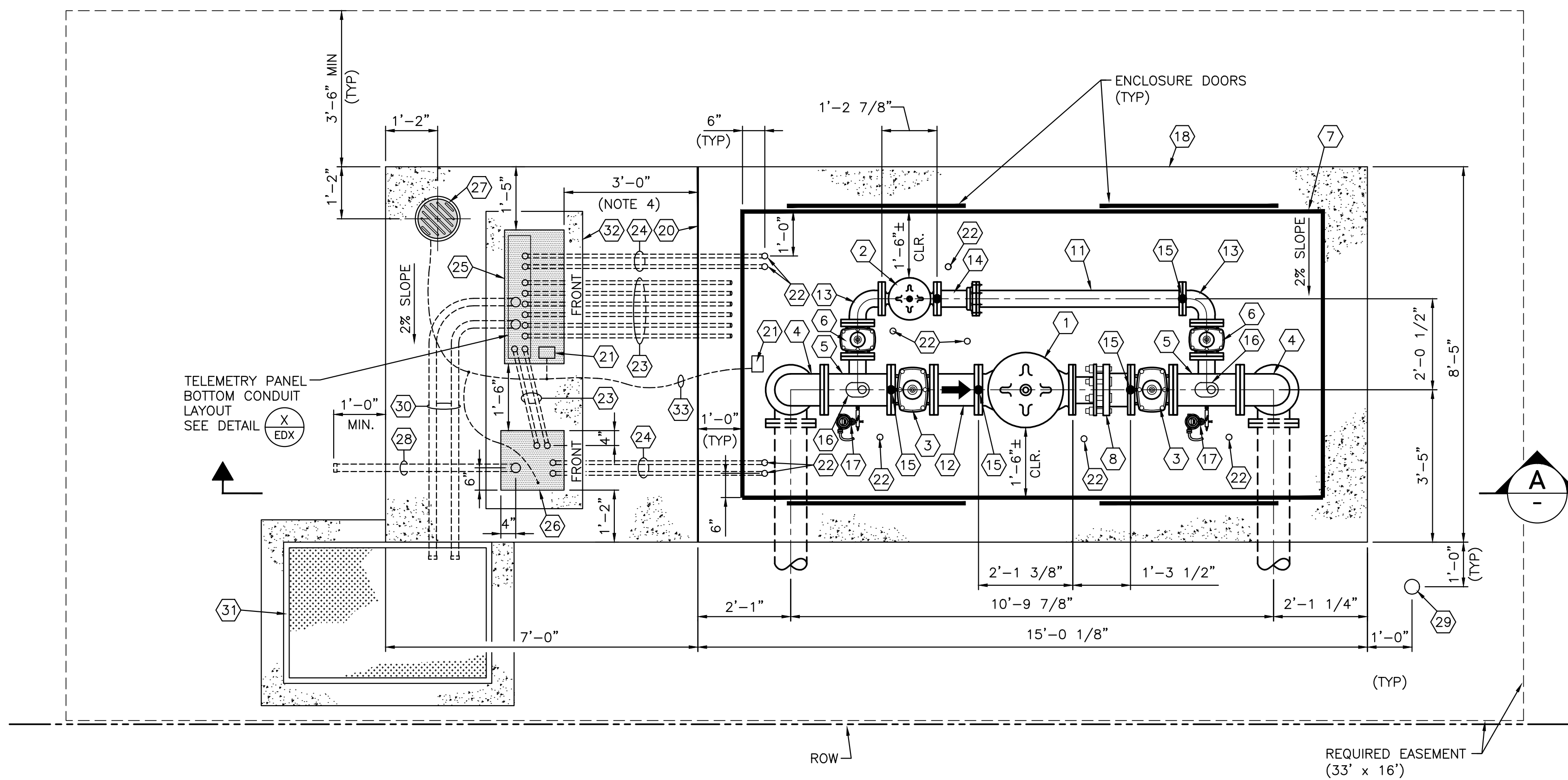




8" x 4" PRV ASSEMBLY WITH POWER AND TELEMETRY
SCALE: 1/2"=1'-0"

PRV03-1

110520

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. 3/4" CHAMFER REQUIRED ON ALL EXPOSED EDGES OF CONCRETE PADS (BOTTOM OF PAD EXEMPT).

MATERIAL LIST

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