SECTION

NOT TO SCALE  PL06-1A  020819

LEGEND

1. FIBER OPTIC VAULT ASSEMBLY. SEE SPECS AND DETAIL.

2. 2-4" CONDUITS, SCHEDULE 40 PVC, SWEEP (LESS THAN 10 DEGREE BENDS) TO VAULT ENTRY. CHANGES IN DIRECTION OF THE FIBER OPTIC CONDUIT BY MORE THAN 10 DEGREES SHALL BE ACCOMPLISHED USING PVC COATED RIGID BENDS WITH A MINIMUM RADIUS OF 12 TIMES THE CONDUIT DIAMETER.

3. PENETRATE AND CAP CONDUIT AT VAULT INTERIOR WALLS AS DETAILED IN PL06-4. GROUT AROUND CONDUIT OPENINGS.

4. ATTACH TRACER WIRE TO THE INSIDE VAULT WALLS/ROOF. COIL 3/8" OF EACH TRACER WIRE AND ATTACH TO TOP MOST GRADE RING. STRIP 3/4" OF INSULATION OF EACH WIRE AND TWIST A SEALANT-FILLED WIRE-NUT ON EACH TO PREVENT MOISTURE BUT ALLOW WIRE-NUT TO BE EASILY REMOVED FOR FUTURE USE.

5. 5/4" x 10" COPPER COATED STEEL GROUND ROD, INSTALL HORIZONTALLY AT ELEVATION EQUAL TO THE FIBER OPTIC VAULT FLOOR. USE AN EXOTHERMIC WELD TO ATTACH A #4 AWG COPPER, GREEN THN INSULATED WIRE TO THE GROUND ROD. ROUTE THROUGH THE VAULT WALL AND SEAL THE PENE TRATION WITH ELASTOMERIC SEALANT. ATTACH THE GROUND WIRE TO VAULT INTERIOR RACKS AND ROUTE UP TO THE VAULT MANHOLE ACCESS COVER FOR LINE LOCATING PURPOSES.