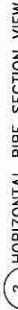


1. PROVIDE A VERTICALLY INSTALLED GROUND ROD WITH SUFFICIENT LENGTH TO PROVIDE ONE (1) MEAN EXCHANGE TO SERVE THE NEW GSPM SYSTEM.
2. LOOP FIELD SHALL CONSIST OF TWENTY (20), 225 FEET DEEP HOLES, SET 15 FEET APART.
3. PROVIDE ONE (1) MEAN HOLE TYPED WITH A 3" CONDUIT.
4. VERTICAL PIPING SHALL BE 1" DIAMETER, HOPKINS, 10' LONG, WITH 1/2" THICK WALLS.
5. TUBING INSTALLED IN 5" BOREHOLE WITH FULL DEPTH THERMALLY ENHANCED BENTONITE GROUT (THERMAL CONDUCTIVITY OF 0.7 OR GREATER).
6. PIPES SHALL BE MANUFACTURED AND TESTED TO MEET OR EXCEED THE FOLLOWING STANDARDS:
FOR IPSGPM: STANDARDS AND SHALL BE IPSGPA-508-11.
7. ALL PIPE JOINTS SHALL BE MADE BY IPSGPA-508-11.
8. ANTI-FREEZE SOLUTION SHALL BE A 20% BY VOLUME PROPYLENE GLYCOL.



- Peak flow rate based on 100% Pump Flow as provided by Owner
- Hazen-Williams Roughness Constant assumed to equal 140 for HDPE
- 25% fitting factor applied to measured pipe length to account for fittings

SCALE : 1" = 20'-0"



SCALE : 1" = 20'-0"