



ISOMETRIC

NOTES:

1. MINIMUM SOIL BEARING CAPACITY REQUIRED = 3,000 PSF. ENGINEER SHALL INSPECT ALL FOOTINGS PRIOR TO PLACEMENT OF CONCRETE.
2. CONCRETE – 3,000 PSI @ 28 DAYS.
3. REINFORCING STEEL – ASTM A615, GRADE 60
4. PIPE FOR AERIAL CROSSINGS SHALL BE DUCTILE IRON WITH MECHANICAL OR FLANGED JOINTS.
5. FOOTING TO BE PLACED SO THAT LONG SIDE IS PARALLEL TO DIRECTION OF STREAM FLOW.
6. IF FOOTING IS PLACED DIRECTLY ON SOLID ROCK, 1” DIA. DOWELLS TO BE PLACED IN ROCK TO CONNECT FOOTING OT ROCK AND PREVENT SLIDING.
7. SUPPORT SIZE BASED ON 15 FPS STREAM FLOW WITH EMPTY (BUOYANT) PIPE. FOR VELOCITIES >15 FPS, PIERS SHALL BE DESIGNED BY LICENSED PROFESSIONAL ENGINEER.
8. FOR STEM HEIGHTS OR PIPE DIAMETERS GREATER THAN LISTED IN ABOVE TABLE, PIER DESIGN TO BE FURNISHED BY LICENSED PROFESSIONAL ENGINEER.

DWG. NO.

5.08.4

PIPE SUPPORT PIER
FOR WATER CROSSING

REVISIONS

DATE	BY	DESCRIPTION
2020	TCZ	NEW DETAIL
8/24/22	BGM	CHANGE FONT, TITLE BLOCK

