



NOTES:

1. DUCTILE IRON PIPE TO HAVE A PRESSURE RATING OF 250 POUNDS PER SQUARE INCH (PSI) (THICKNESS CLASS 53).
2. ALL DUCTILE IRON PIPE AND FITTINGS SHALL HAVE INTERIOR CEMENT LININGS AND EXTERIOR ASPHALTIC COATINGS AS APPLIED BY THE ITEM'S MANUFACTURER.
3. PIPE FLANGES SHALL BE CLASS 125 AND FLANGE JOINTS SHALL USE U.S. PIPE'S "FULL FACE FLANGE-TYTE" GASKET.
4. NO FLANGE JOINTS SHALL BE LOCATED OUTSIDE OF THE VAULT STRUCTURE.
5. STAINLESS STEEL PIPE SUPPORTS SHALL BE PROVIDED BY THE VAULT MANUFACTURER AND INSTALLED BY A PLUMBER.
6. ACCESS DOORS SHALL WITHSTAND A MINIMUM LOAD OF 300 POUNDS PER SQUARE FOOT AND BE MADE OF ALUMINUM FOR VAULTS LOCATED IN UNPAVED AREAS WHERE VEHICLE LOADING IS NOT EXPECTED. FOR VAULTS LOCATED IN PAVED AREAS, THE DOORS SHALL WITHSTAND AASHTO HS-20 VEHICLE LOADING AND BE MADE OF EITHER ALUMINUM FOR AREAS TYPICALLY EXPOSED TO PARKED VEHICLES OR GALVANIZED STEEL FOR AREAS TYPICALLY EXPOSED TO MOVING VEHICLES.
7. ANY VAULT CORNER WHICH IS ABOVE FINISHED GRADE AND SUBJECT TO VEHICULAR IMPACT AS DETERMINED BY THE LTMUA AUTHORITY ENGINEER SHALL BE PROTECTED BY YELLOW CONCRETE-FILLED STEEL PIPE BOLLARDS (PROVIDE DETAIL).
8. THE VAULT SHALL BE AS MANUFACTURED BY A.C. MILLER CONCRETE PRODUCTS, INC. OR AN APPROVED EQUIVALENT NPCA CERTIFIED PLANT AS DETERMINED BY THE LTMUA AUTHORITY ENGINEER.
9. ALL INTERIOR PLUMBING WORK SHALL BE PERFORMED BY NEW JERSEY LICENSED PLUMBERS.
10. IF THE VAULT IS LESS THAN 40 FEET FROM A BUILDING, THE CONBRACO UNIT SHALL BE REPLACED BY A MUELLER SYSTEMS - MODEL EDC IV DETECTOR CHECK VALVE WITH AN EDC4 BYPASS TRIM KIT FOR THE SENSUS WATER METER AND TWO (2) KENNEDY VALVE - C515 OS&Y GATE VALVES. THE CONBRACO DCDALF4A UNIT OR APPROVED EQUIVALENT MUST THEN BE INSTALLED INSIDE THE BUILDING THAT THE FIRE SERVICE LINE ENTERS.

DATE: 10-3-2018
 DRAWN: SGM OF GTS
 SCALE: NONE

**LAKWOOD TOWNSHIP
 MUNICIPAL UTILITIES AUTHORITY**

**METER VAULT DETAIL
 - FIRE SERVICE**