



- ① 24" PVC. DR-18 WATER MAIN
- ② 24" X 16" REDUCER MJ., RESTRAINED
- ③ 16" DUCTILE IRON PIPE FL. x PE. TO BE PIPE SUPPORTED.
- ④ 16"X16"X12" FLANGE TEE
- ⑤ 16" BUTTERFLY VALVE FLANGE ENDS. WHEEL DRIVEN.
- ⑥ PRESSURE REDUCING VALVE
- ⑦ 16" DI PIPE PLAIN ENDS. LENGTH TO BE FIELD ADJUSTED. TO BE PIPE SUPPORTED.
- ⑧ 12" BUTTERFLY VALVE FLANGE ENDS. WHEEL DRIVEN.
- ⑨ 90 DEGREE ELBOW FLANGE ENDS
- ⑩ 12" DI PIPE 10 LINEAR FEET. TO BE PIPE SUPPORTED AT BOTH ENDS.
- ⑪ 12" DI PIPE 5 LINEAR FEET
- ⑫ 16" DISMANTLING JOINT

NOTES:

1. PRV ASSEMBLY TO BE INSTALLED INSIDE PRE FABRICATED REINFORCED CONCRETE VAULT WITH HS-20 LOADING. (CAPITAL PRECAST, FORTERRA, OR APPROVED EQUAL) MINIMUM DIMENSIONS AT 17 FT X 14 FT AND 8 FEET DEPTH. VAULTS WALLS AND FLOOR SHALL CONSIST OF CONCRETE WITH 6" STONE 57 BEDDING. TRAFFIC RATED GALVANIZED FRAME AND COVER TO BE ADJACENTLY INSTALLED TO ACCESS LADDERS.
2. PRESSURE REDUCING VALVE TO BE SUPPLIED BY CITY OF LAREDO UTILITIES DEPARTMENT.
3. PRV ASSEMBLY TO BE PRESSURE TESTED AND BACT TESTED AS PER CITY OF LAREDO STANDARD SPECIFICATIONS.
4. EXCAVATION AND BACKFILL TO BE CONDUCTED AS PER CITY OF LAREDO STANDARD SPECIFICATIONS.
5. ALL MATERIAL SHALL BE DOMESTIC MADE.
6. ALL PLAIN END PIPING TO BE CONNECTED USING PROPER FLANGE RESTRAINTS AND GASKETS.
7. COST OF CUTTING AND DEWATERING EXISTING 24-INCH PVC WATERLINE IS INCIDENTAL TO PRV INSTALLATION COST.

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PROJECT: PRESSURE REDUCING VALVE
AIRPORT

SCALE
DRAWN DATE:
REVISION DATE:
DESIGNED BY:
DRAWN BY:
APPROVED BY:
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