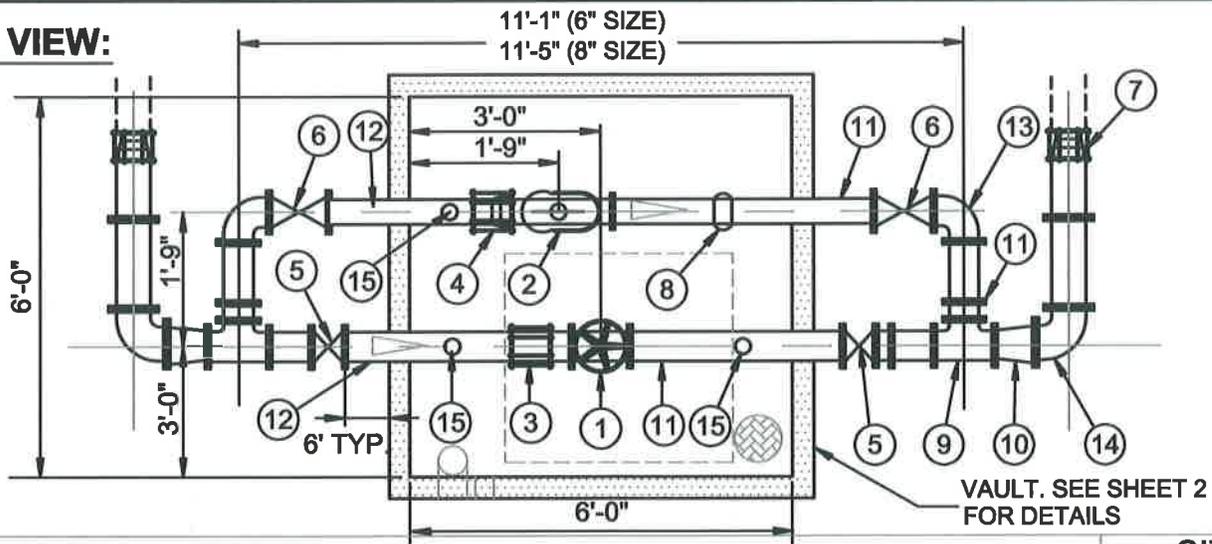


PLAN VIEW:



LIST OF MATERIALS

SIZE

	SIZE	
	6"	8"
① PRESSURE REDUCING VALVE, CLA VAL 90G-01BSYKCXX D/S 150# FL, 30-300, SS TUBING & FITTINGS, X101 INSTALLED, X=STAINLESS STEEL COVER BOLTS, TUBING, FITTINGS, NUTS, BOLTS AND PLUGS, OR EQUAL	6"	8"
② PRESSURE REDUCING VALVE, CLA VAL 90G-01BSYKCXX D/S 150# FL 30-300, SS TUBING & FITTINGS, X101 INSTALLED, X=STAINLESS STEEL COVER BOLTS, TUBING, FITTINGS, NUTS, BOLTS AND PLUG, OR EQUAL	4"	4"
③ FLANGED ADAPTER, DRESSER STYLE 128, CL-150 OR ROMAC FCA501 OR EQUAL.	6"	8"
④ FLANGED ADAPTER, DRESSER STYLE 128, CL-150 OR ROMAC FCA-501.	4"	4"
⑤ GATE VALVE WITH VALVE BOX ASSEMBLY PER STD PLAN 309.	6"	8"
⑥ GATE VALVE WITH VALVE BOX ASSEMBLY PER STD PLAN 309.	4"	4"
⑦ FLANGE X MJ ADAPTER.	10"	12"
⑧ AIR-VACUUM VALVE, APCO 142 OR APPROVED EQUAL, WITH 1" SERVICE SADDLE, 1" CORP STOP AND PVC BLOW-OFF PIPE AND FITTINGS, SEE SHEET 2.	1"	1"
⑨ TEE, DIP FL (ROTATE 45° UPWARD).	6"x4"	8"x4"
⑩ CONCENTRIC REDUCER, DIP, FL.	10"x6"	12"x8"
⑪ SPOOL, DIP, FL x FL, LENGTH AND DIAMETER TO FIT.	--	--
⑫ SPOOL, DIP, FL x PE LENGTH AND DIAMETER TO FIT.	--	--
⑬ 90° BEND, DIP, FL (ROTATE 45° DOWNWARD).	4"	4"
⑭ 90° BEND, DIP, FL WITH THRUST BLOCK PER BREA STD PLAN 306.	10"	12"
⑮ 1" CORP STOP AND SERVICE SADDLE, TOP OF MAIN, PER BREA STD PLAN 304 WITH 3/8 BUSHING WITH FEMALE THREAD.	--	--

- SEE SHEET 3 FOR PRESSURE RELIEF VALVE ASSEMBLY.
 - SEE STD. PLAN 315 SHEET 3 FOR VAULT ABANDONMENT NOTES.



CITY OF BREA

PRESSURE REGULATING STATION (6" AND 8" SIZE)

APPROVED:

[Signature]
 CITY ENGINEER

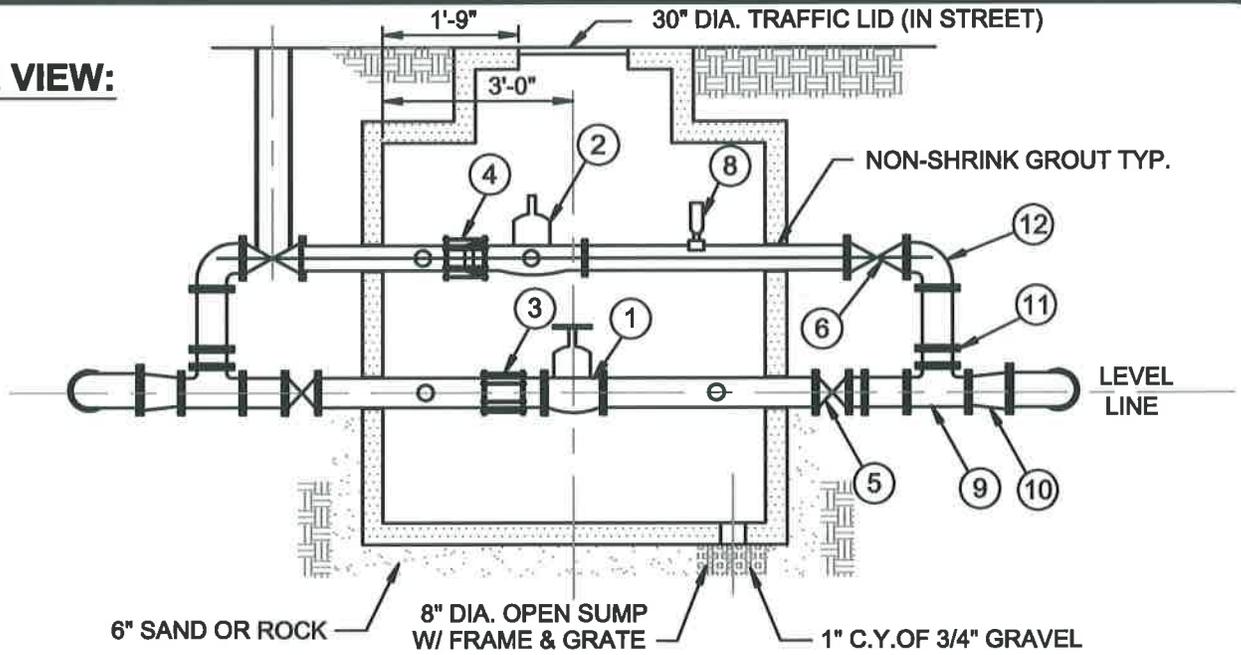
DATE: 10-15-2013

STD. PLAN NUMBER

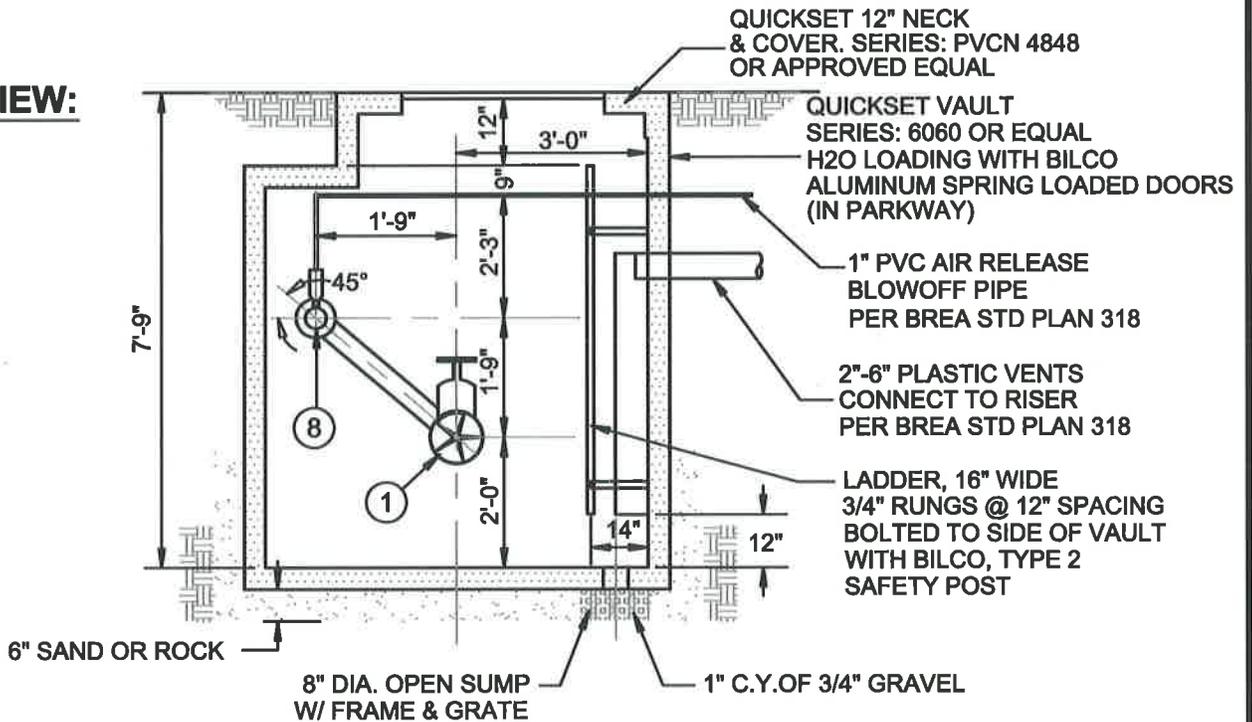
311-0

SHEET 1 OF 3

SIDE VIEW:



END VIEW:



NOTES:

1. MAX. PRESSURE = 150 PSI.
2. IMPROVEMENT PLANS TO INDICATE ELEVATION, LOCATION, AND PRESSURE SETTINGS.
3. ALL PIPE AND FITTINGS SHALL CONFORM TO BREA STD PLAN 301. ALL VALVES SHALL CONFORM TO CITY OF BREA STD PLAN 302.
4. COMPACT BACKFILL AROUND VAULT TO 90% RELATIVE DENSITY.
5. A PRESSURE RELIEF VALVE ASSEMBLY IS REQUIRED.
6. FOR VAULT ABANDONMENT SEE SHEET-3.



CITY OF BREA

PRESSURE REGULATING STATION (6" AND 8" SIZE)

APPROVED:

[Signature]
CITY ENGINEER

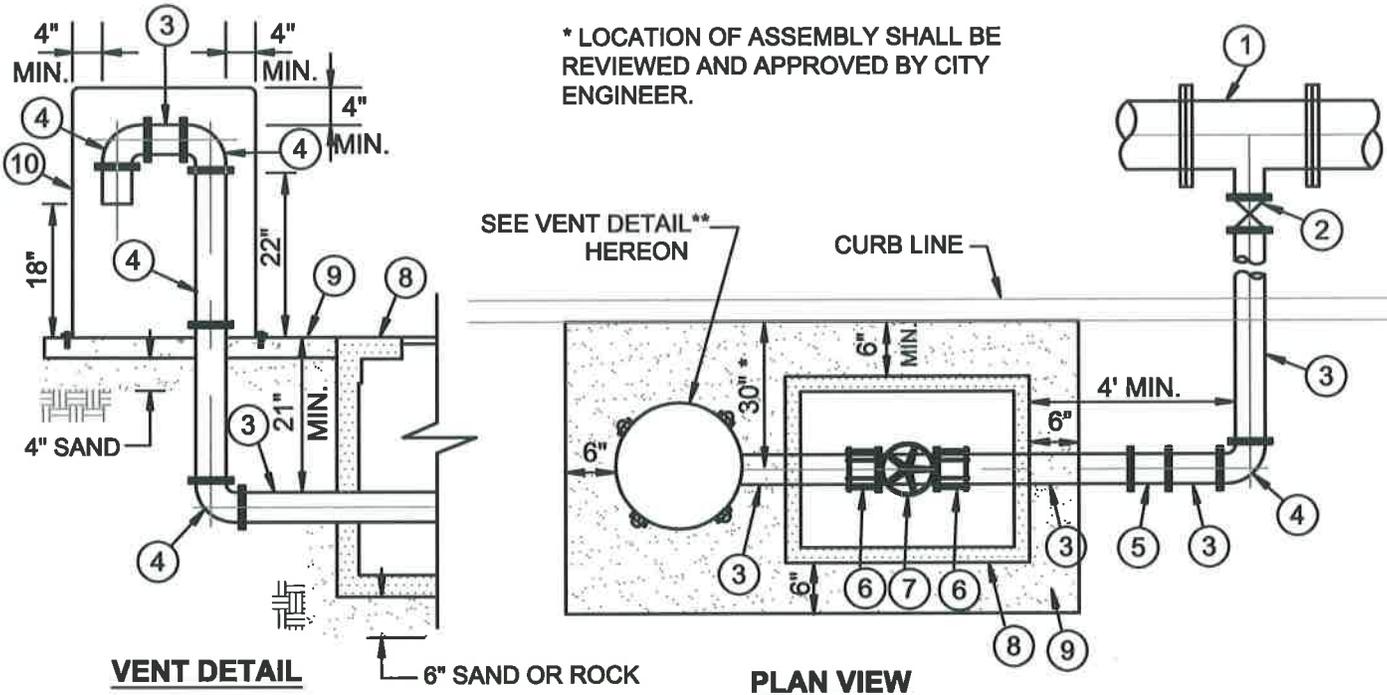
DATE: 10-15-2013

STD. PLAN NUMBER

311-0

SHEET 2 OF 3

PRESSURE RELIEF VALVE ASSEMBLY DETAIL



* LOCATION OF ASSEMBLY SHALL BE REVIEWED AND APPROVED BY CITY ENGINEER.

SEE VENT DETAIL **
HEREON

CURB LINE

VENT DETAIL

PLAN VIEW

** VENT SHALL BE PLACED AT LOWER PRESSURE SIDE (ON DISCHARGE SIDE) OF PRESSURE RELIEF VALVE.

EXACT LOCATION OF VENT SHALL BE REVIEWED AND APPROVED BY PUBLIC WORKS DEPARTMENT WATER DIVISION IN FIELD PRIOR TO CONSTRUCTION.

LIST OF MATERIALS

- ① WATER MAIN SIZE x 4" TEE , MJ
- ② 4" RW GATE VALVE (MULLER 2362 E-381 OR EQUAL) WITH VALVE BOX ASSEMBLY PER STD. PLAN 309
- ③ 4" DUCTILE IRON PIPE (CLASS 52)
- ④ 4" x 90° BEND, MJ
- ⑤ 4" x 45° BEND, MJ
- ⑥ 4" FL x MJ ADAPTER
- ⑦ 4" PRESSURE RELIEF VALVE, CLA-VAL, 50G-01BKCXX D/S 150# FL, 20-200, SS TUBING & FITTINGS, X101 INSTALLED, X=STAINLESS STEEL COVER BOLTS, RUBIN, FITTINGS, NUTS, BOLTS, & PLUGS OR EQUAL
- ⑧ 48" X 78" VAULT BY J&R CONCRETE OR EQUAL. COVER: H20 LOADING WITH BILCO ALUMINUM SPRING LOADED DOORS.
- ⑨ 4" THICK CONCRETE PAD (CLASS 470-C-2500)
- ⑩ PROTECTIVE COVER PER STD. PLAN 308



CITY OF BREA

PRESSURE REGULATING STATION (6" AND 8" SIZE)

APPROVED:

[Signature]
CITY ENGINEER

DATE: 10-15-2013

STD. PLAN NUMBER

311-0

SHEET 3 OF 3