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N/F  
Tax Map 87.08-3-11  
Slate Hill I LLC  
Inst. #200312265  
4486 Summit Street

## LOWE'S PRV SITE PLAN

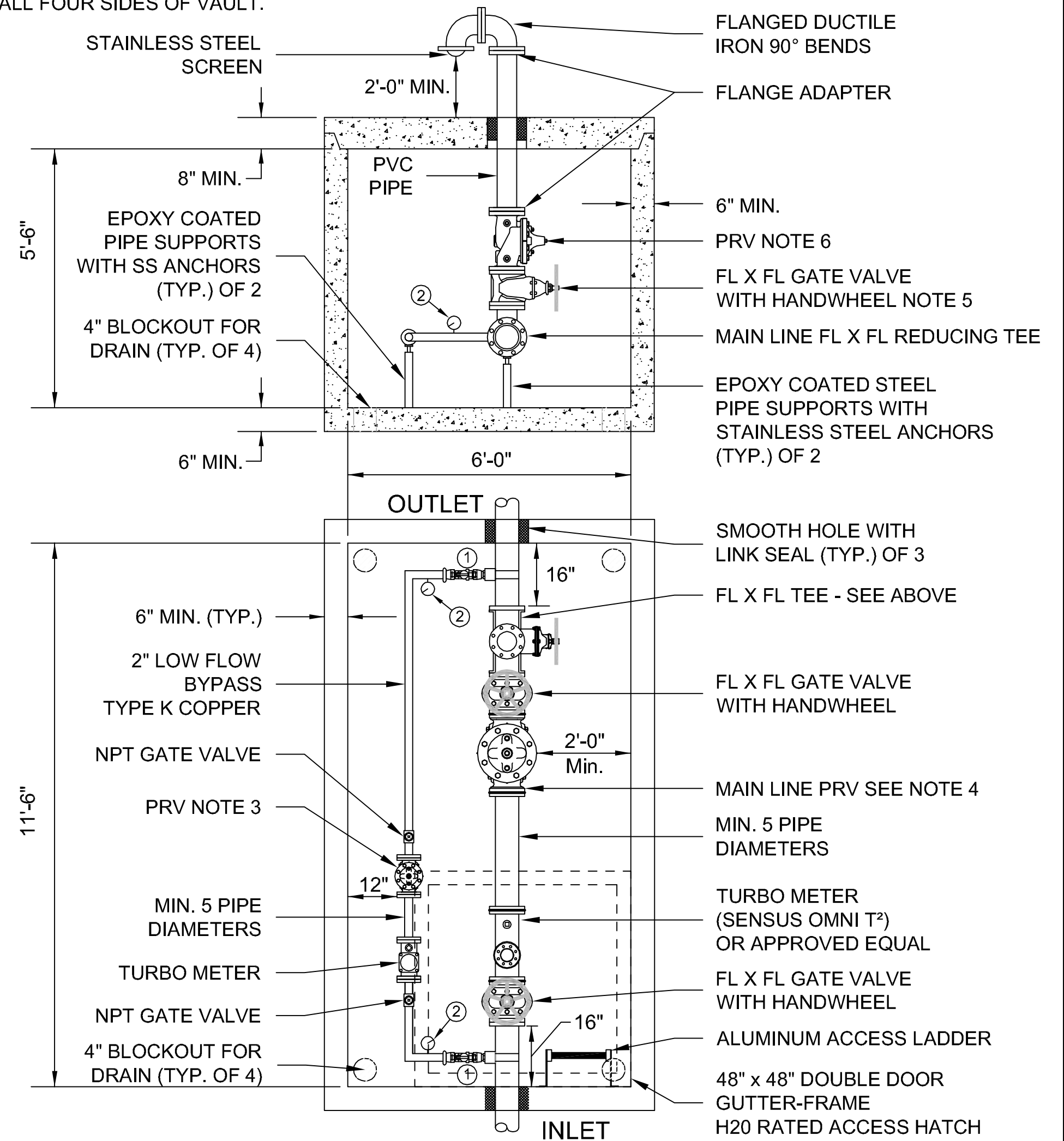
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SCALE IN FEET

NOTES:

- A. GROUND ELEVATION OF THE PROPOSED LOWE'S PRV = 1240'.
- B. THE DOWNSTREAM HYDRAULIC GRADE OF THE PROPOSED PRV SHALL BE SET TO 1440' OR APPROXIMATELY 87 PSI.
- C. VERIFY EXISTING LINE SIZES PRIOR TO BEGINNING WORK.
- D. THE HYDRAULIC GRADE OF THE PROPOSED PRESSURE RELIEF VALVE SHALL BE SET TO 1479' OR APPROXIMATELY 104 PSI.
- E. CONTRACTOR SHALL INSTALL PRV VAULT WITH A MINIMUM OF 6" CLEARANCE FROM THE VAULT TOP TO THE FINISHED GRADE AND FINAL GRADING SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM THE VAULT.

1. 2" CORPORATION STOP, MUELLER H-15000 OR EQUIVALENT.
2. LIQUID FILLED PRESSURE GAUGE.
3. 2" FLANGED PRESSURE REGULATING VALVE (CLA-VAL MODEL 90-01) SET AT WORKING PRESSURE.
4. FLANGE x FLANGE MAIN LINE PRESSURE REGULATING VALVE (CLA-VAL MODEL 90-01) SET AT (SEE NOTE "B" ABOVE). 690-01 MAY BE ALLOWED IN SOME INSTALLATIONS, CONFIRM WITH PARTICIPATING UTILITY.
5. FLANGE x FLANGE GATE VALVE, WITH HAND WHEEL. ONE SIZE LESS THAN MAIN LINE.
6. FLANGE x FLANGE PRESSURE RELIEF VALVE, ONE SIZE LESS THAN MAIN LINE (CLA-VAL MODEL 650-01) SET AT (SEE NOTE "D" ABOVE).
7. VAULT SHALL BE PRE-CAST REINFORCED CONCRETE.
8. MAIN LINE (INLET, OUTLET, AND INTERIOR) PIPING SHALL BE FLANGED - PLAIN END, OR PLAIN END DUCTILE IRON PIPE WITH APPROVED FLANGE ADAPTER. MIN. PRESSURE CLASS 350 OR THICKNESS CLASS 50.
9. VAULT TO BE INSTALLED ON MIN. 6" COMPACTED VDOT #57 STONE WITH FILTER FABRIC PLACED BETWEEN BOTTOM OF VAULT AND STONE BEDDING. FILTER FABRIC TO EXTEND VERTICALLY A MINIMUM OF 6" ON ALL FOUR SIDES OF VAULT.



## WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL

## MAIN LINE - PRESSURE REDUCING VALVE ASSEMBLY

01/01/12

W-14

### PRV ASSEMBLY DETAIL

NOT TO SCALE