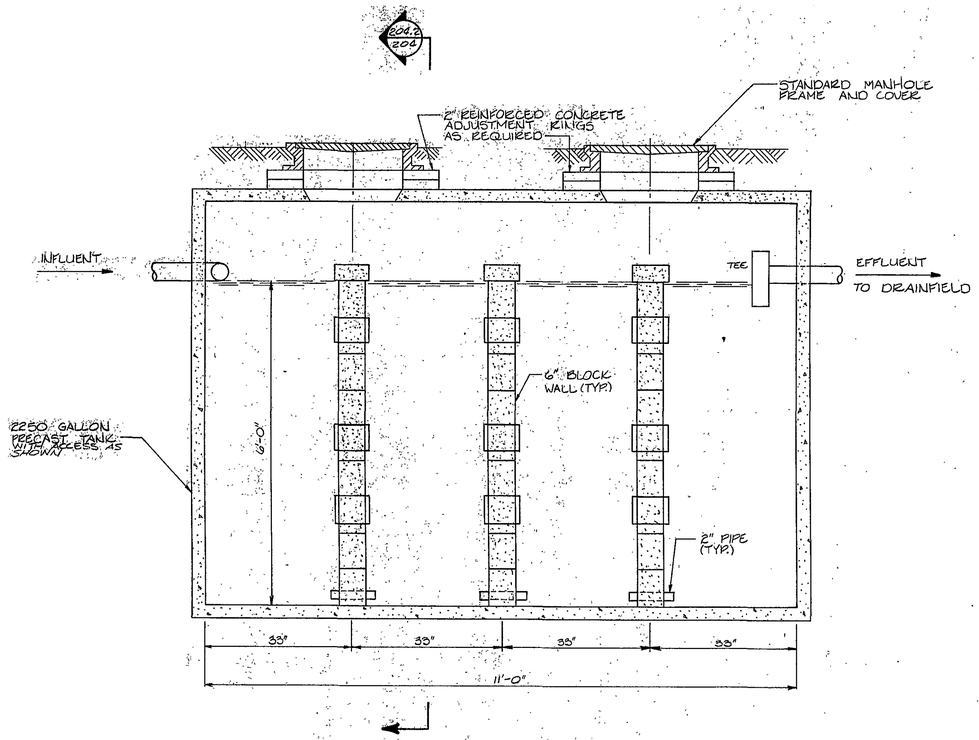
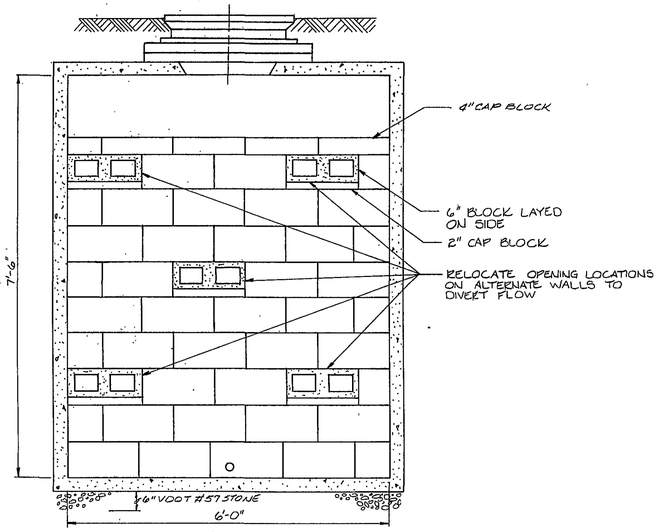


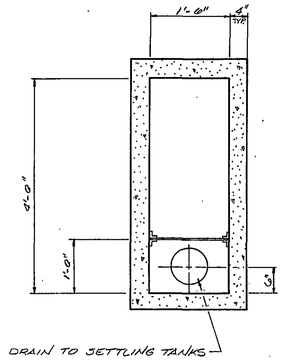
SETTLING TANK (5 REQUIRED) 204.1 / 204

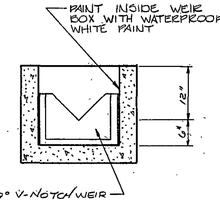
SCALE: 3/4" = 1'-0"



SECTION 204.2 / 204

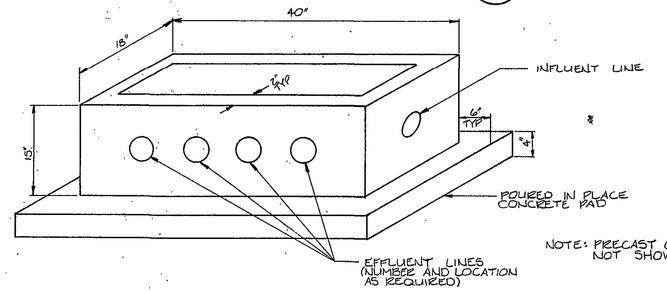
SCALE: 3/4" = 1'-0"





WEIR BOX DETAIL 204.3 / 201

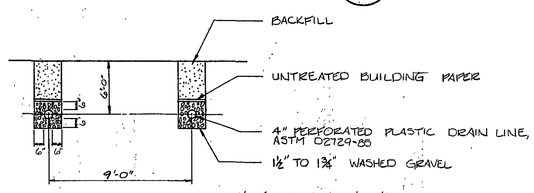
SCALE: 3/4"= 1'-0"



NOTE: PRECAST CONCRETE LID NOT SHOWN FOR CLARITY

TYPICAL PRECAST SPLITTER/DISTRIBUTION BOX 204.5 / 204

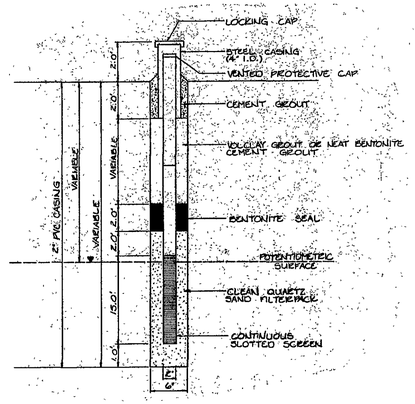
NO SCALE



NOTE: SLOPE DRAIN LINES 0.25%

TYPICAL SECTION THRU DRAINFIELD 204.6 / 204

NO SCALE



WELL CONSTRUCTION NOTES:

1) CONSTRUCT WELL SO THAT THE TOP OF THE UPPER MOST AQUIFER SCREENED IN WELL IS SCREENED AS SHOWN IN THE WELL CONSTRUCTION SCHEMATIC.

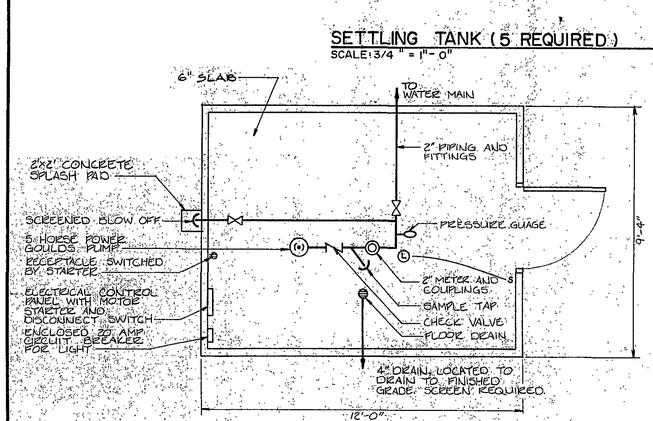
2) CONSTRUCT WELL SO THAT THE SCREEN LIES WITHIN THE SATURATED ZONE ENCOUNTERED IN THE POTENTIOMETRIC SURFACE, IS WITHIN THE OVERBURDEN AND NOT WITHIN THE FRACTURED BEDROCK AQUIFER.

3) TREMIE - TUBE A 1/4" BENTONITE - CEMENT GROUT OR VOLCLAY GROUT DOWN THE VOID ANNULUS TO SEAL OFF THE WELL FROM SURFACE OR UNSATURATED ZONE INFLUENCE.

4) RECOMMENDED BENTONITE - CEMENT AND WATER MIX FOR ANNULUS SEAL: 0.5 # BENTONITE TO 1# CEMENT EQUIVALENT TO 94 lbs (1 BAG) PORTLAND CEMENT PLUS 10 GALLONS WATER.)

5) FINISH THE CEMENT GROUT AROUND THE 4" PROTECTIVE CASING (AS SHOWN IN SCHEMATIC) SO THAT POSITIVE DRAINAGE IS FACILITATED AWAY FROM THE WELL.

MONITORING WELL CONSTRUCTION SCHEMATIC 204.7 / 204



NOTES:

1. Well house floor shall be constructed of 3000 psi concrete reinforced with #4 bars 12" on center in both directions.
2. Well shall be located a minimum of 3 feet from edge of floor.
3. Slope floor 1/4 inch per foot towards floor drain.
4. Well shall be provided with a sanitary seal on top of well casing.
5. Blowoff shall be screened and installed with down-turned elbow.
6. Sampling tap shall discharge downward away from well casing and shall have its threads removed.
7. Well casing shall extend a minimum of 12 inches above floor.
8. All well discharge piping shall be class 125 galvanized steel, according to ASTM specifications and disinfected in accordance with AWWA requirements.
9. A spool piece shall be provided to replace water meter during maintenance or service.
10. Well pump shall be operated by a remote switch.
11. Well house roof shall be constructed so as to be easily removed.
12. Well house shall be equipped with interior light and heater to prevent freezing.
13. Well lot shall be graded to divert surface runoff away from well house.
14. Well shall be disinfected by pouring a liquid chlorine solution until there is a residual chlorine concentration of 50 mg/l and letting the mixture remain in the well for 24 hours. After the well has been thoroughly pumped and all the chlorine has been removed, the well shall be tested for bacteriological contamination. A series of nine bacteriological samples shall be taken from the well. If bacteria is found, an additional 20 samples shall be taken to determine the most probable number (MPN).
15. A screened well casing vent, filed down, shall be provided.
16. The diameter of the well riser shall be 1 inch.

WELL HOUSE 204.8 / 204

NO SCALE

OLVER INCORPORATED
Consulting Engineers • Environmental Laboratories
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BLACKSBURG, VIRGINIA 24060
(703) 552-5548

Designed WWK
Drawn TLP
Checked DLW

Scale AS SHOWN
Job No. 10981
Date APRIL 22, 1988

THE WATER'S EDGE WATER FILTRATION SYSTEM

MISCELLANEOUS SECTIONS AND DETAILS

Rev.	Description	Date	By
2	DESIGN ISSUE	6/21/88	WWK
1	DESIGN ISSUE	5/26/88	WWK
0	DESIGN ISSUE	4/22/88	WWK

Sheet No. 204

File No.

137039