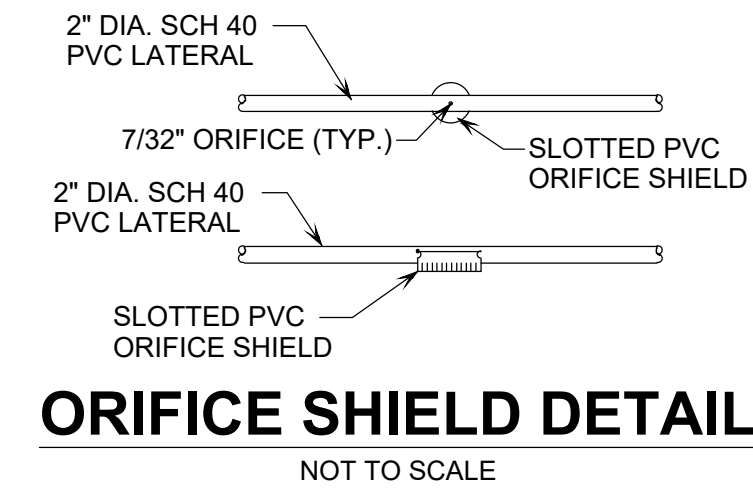


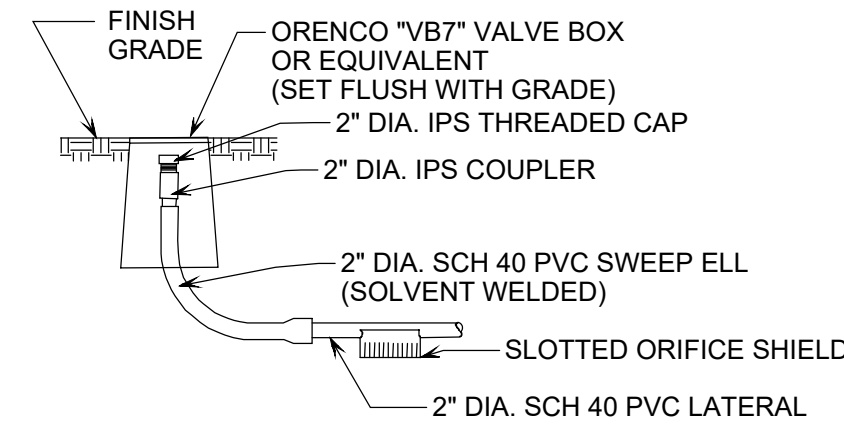
REPLACEMENT PRESSURIZED IN-GROUND WASTEWATER DISPOSAL SYSTEM PLAN VIEW DETAIL

SCALE: 1-INCH = 5-FEET



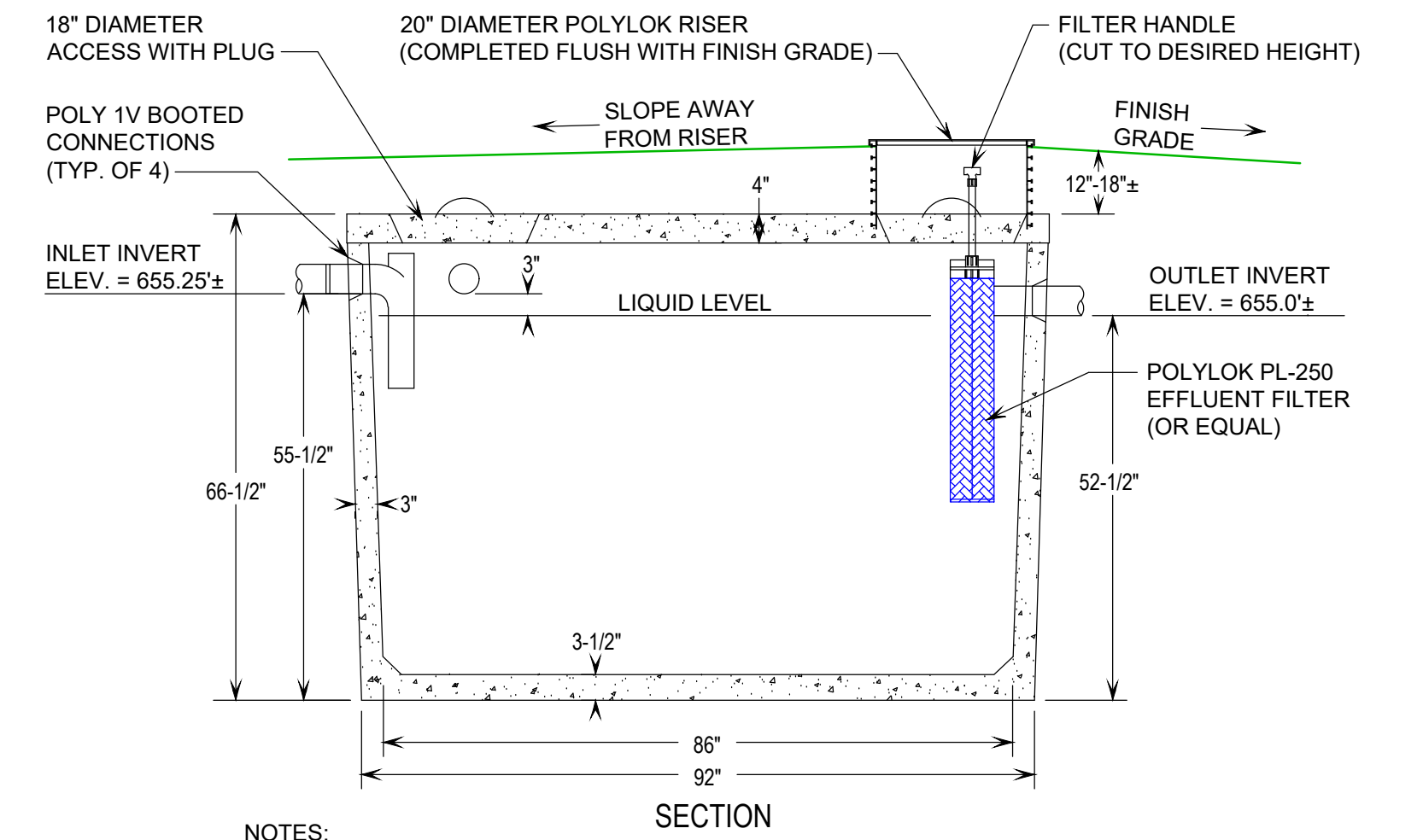
ORIFICE SHIELD DETAIL

NOT TO SCALE



FLUSHING RISER DETAIL

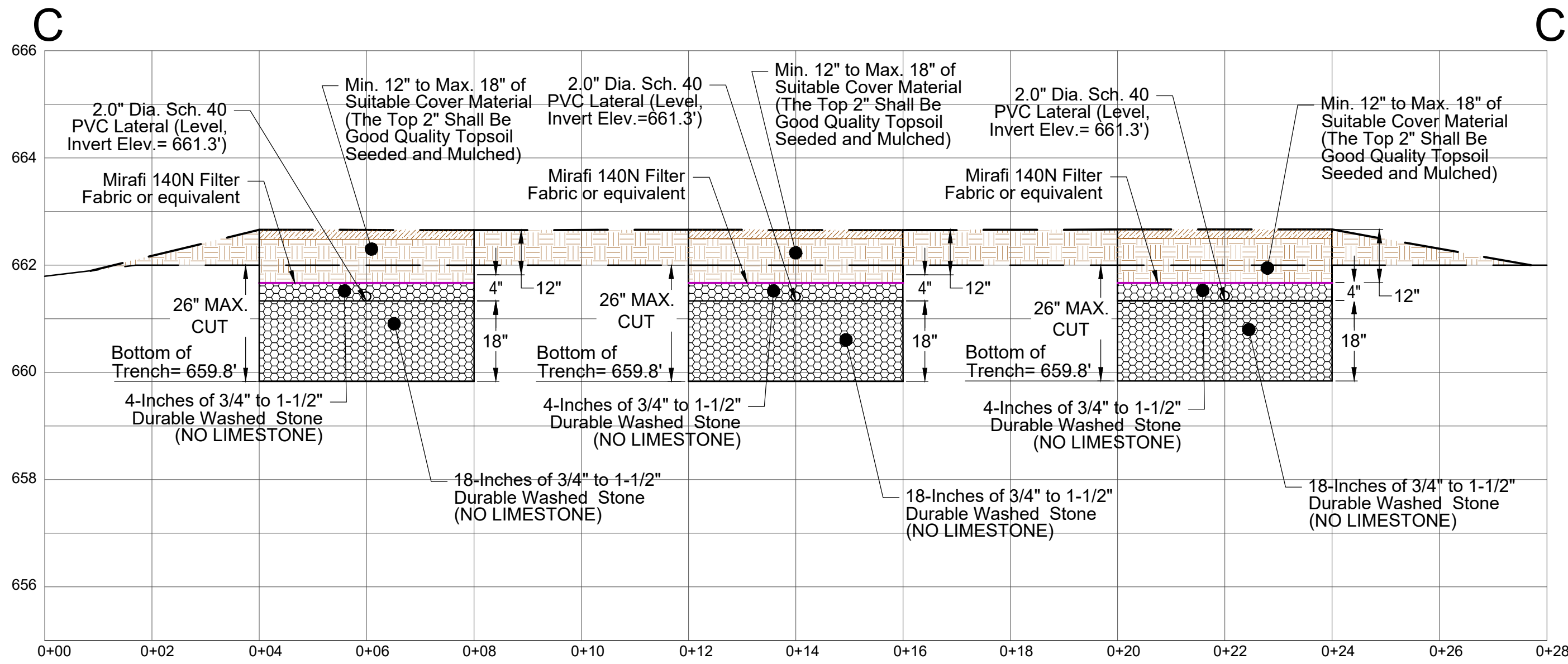
NOT TO SCALE



- NOTES:
1. SEPTIC TANK SHALL BE SET LEVEL ON A MINIMUM OF SIX INCHES OF COMPACTED GRANULAR BASE.
 2. AN INLET TEE BAFFLE IS REQUIRED.
 3. IF WATER-PROOF BOOTED CONNECTIONS ARE NOT USED, ALL PIPE PENETRATIONS SHALL BE SEALED WITH A "WATER PLUG" NON-SHRINK HYDRAULIC CEMENT.
 4. EFFLUENT FILTER ACCESS SHALL BE COMPLETED FLUSH WITH FINISH GRADE.

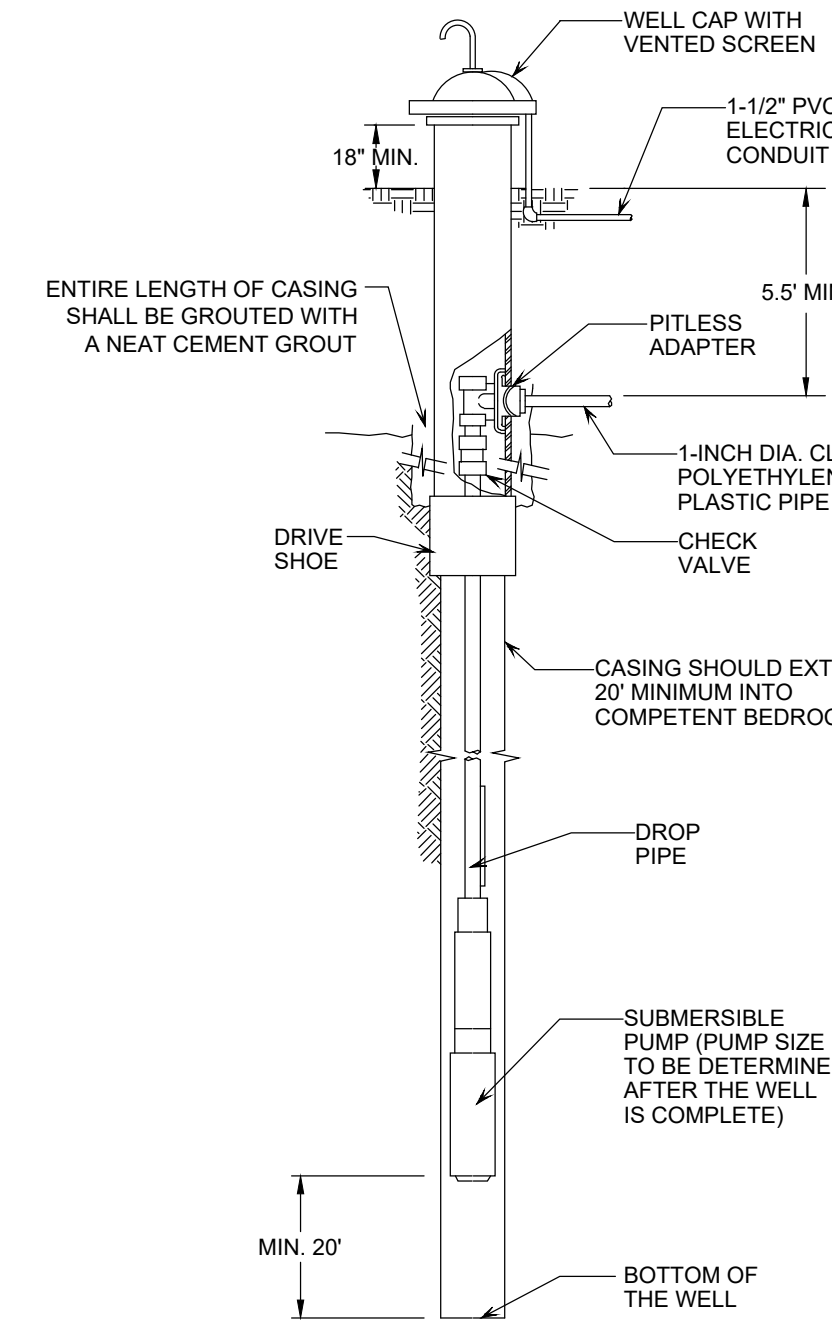
1,000 GALLON TOP-SEAM CONCRETE SEPTIC TANK

NOT TO SCALE



REPLACEMENT IN-GROUND WASTEWATER DISPOSAL SYSTEM SECTION DETAIL

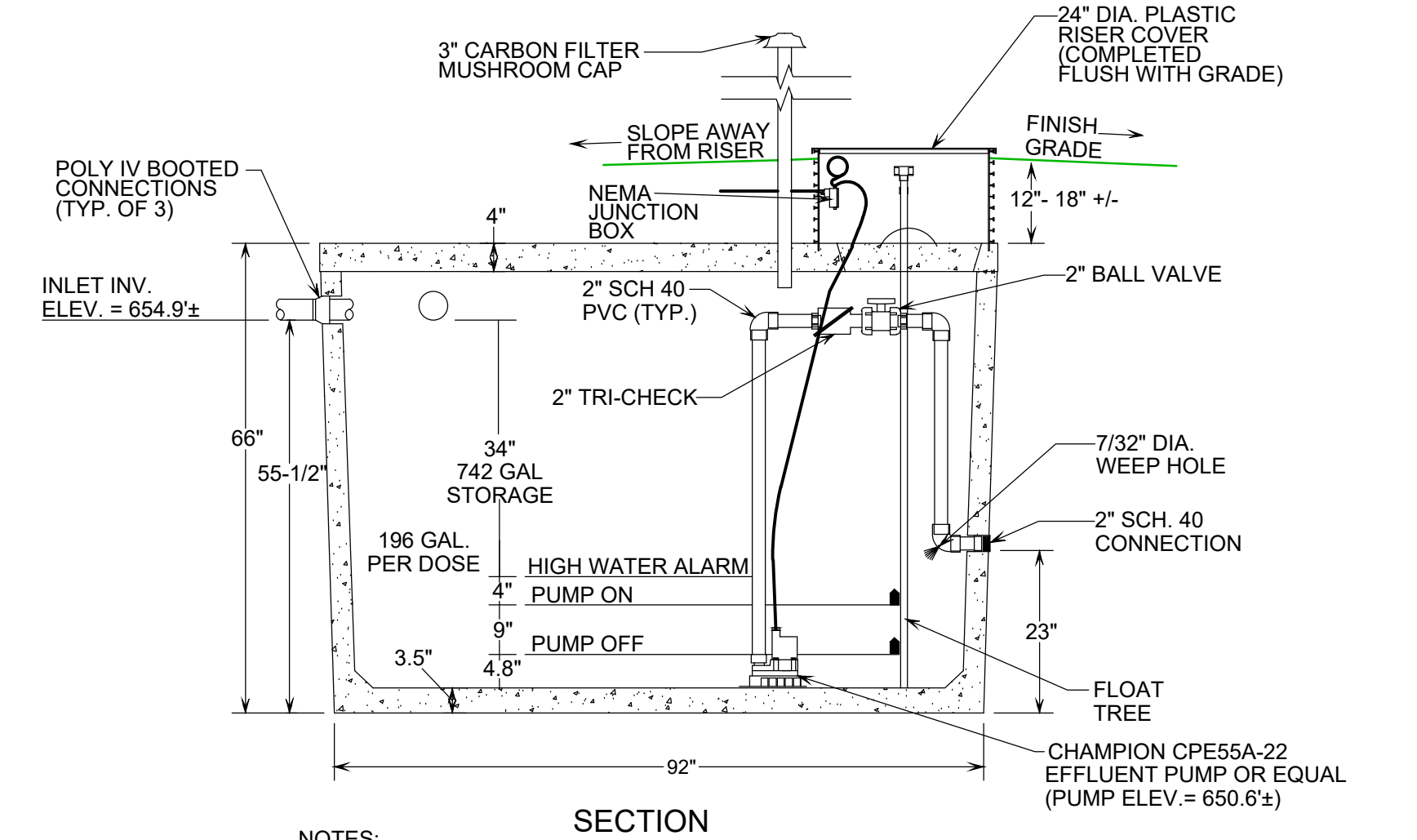
VERTICAL SCALE: 1-INCH = 2-FEET
HORIZONTAL SCALE: 1-INCH = 2-FEET



- NOTES:
1. THE DRILLED WELL SHALL BE CONSTRUCTED IN ACCORDANCE WITH §1-1208 OF THE STATE OF VERMONT ENVIRONMENTAL PROTECTION RULES, CHAPTER 1, EFFECTIVE APRIL 12, 2019.
 2. THE DRILLED WELL LOCATION SHALL ADHERE TO THE ISOLATION DISTANCES SHOWN ON THIS DRAWING.

DRILLED WELL CONSTRUCTION DETAIL

NOT TO SCALE



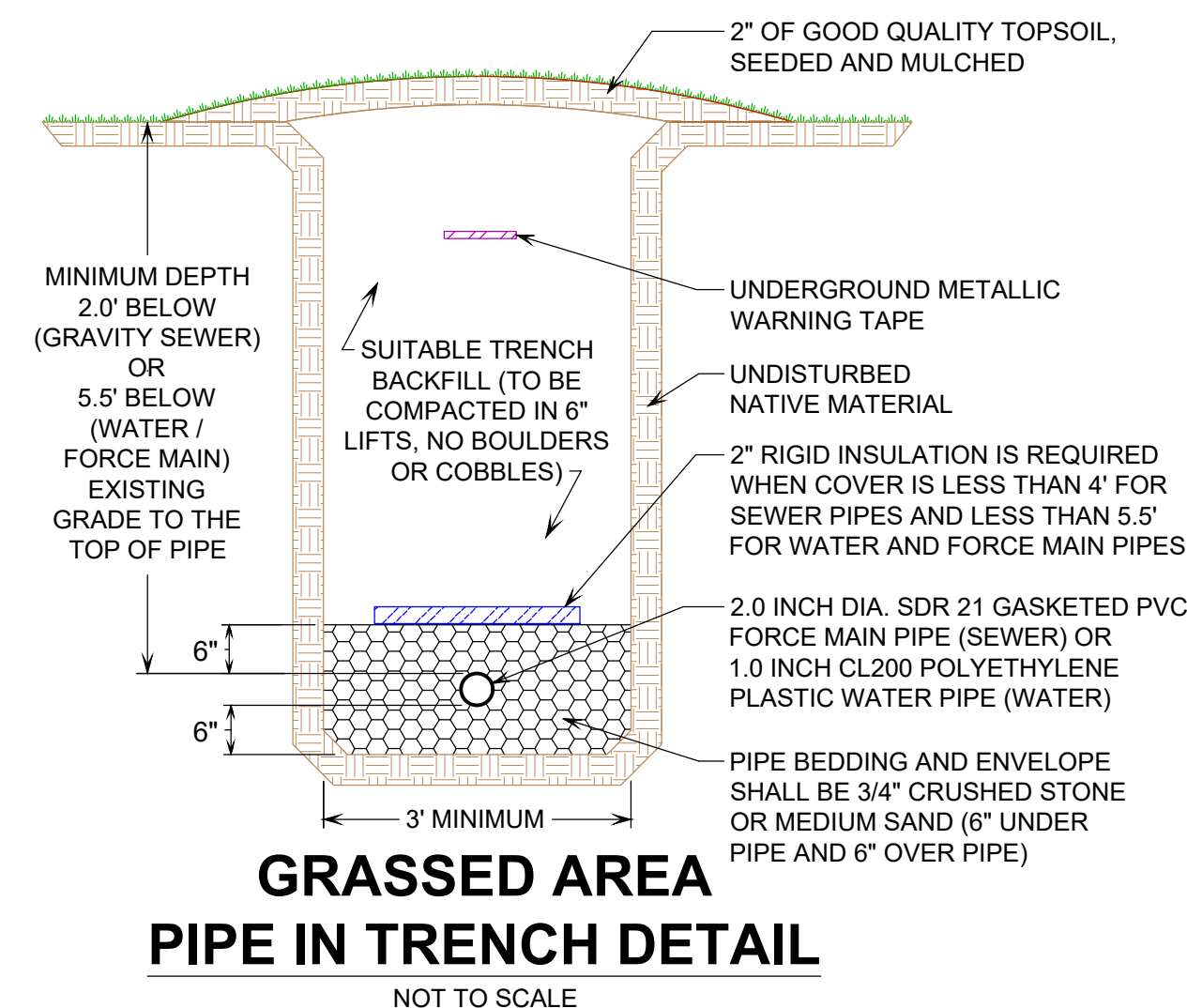
- NOTES:
1. PUMP STATION SHALL BE SET LEVEL ON A MINIMUM OF 6-INCHES OF COMPACTED GRANULAR BASE.
 2. PUMP STATION SECTIONS SHALL HAVE BUTYL RUBBER JOINT SEALER.
 3. IF WATER-PROOF BOOTED PIPE CONNECTIONS ARE NOT USED, PIPE PENETRATIONS SHALL BE SEALED WITH "WATER PLUG" NON-SHRINK HYDRAULIC CEMENT.
 4. ON/OFF FLOAT SWITCH TO BE SET WITH A 9 INCH SWING SETTING TO PROVIDE A 196 GALLON DOSE VOLUME.
 5. HIGH WATER LEVEL ALARM AND PUMP STATION SHALL BE WIRED BY A LICENSED ELECTRICIAN.
 6. THE HIGH WATER ALARM SHALL BE MOUNTED AT A VISIBLE LOCATION.
 7. THE EFFLUENT PUMP SHALL BE CAPABLE OF 55.9 GPM VS. 30.1 TDH.

1,000-GALLON TOP-SEAM CONCRETE PUMP STATION

NOT TO SCALE

WASTEWATER DISPOSAL SYSTEM CONSTRUCTION AND MAINTENANCE NOTES

1. THE PRESSURIZED IN-GROUND WASTEWATER SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STATE OF VERMONT, AGENCY OF NATURAL RESOURCES, ENVIRONMENTAL PROTECTION RULES, CHAPTER 1, WASTEWATER SYSTEM AND POTABLE WATER SUPPLY RULES.
2. THE PRESSURIZED IN-GROUND WASTEWATER DISPOSAL SYSTEM LOCATION SHALL BE STAKED OUT BY THE DESIGNER PRIOR TO START OF CONSTRUCTION.
3. THE DESIGNER SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE FOR INSPECTIONS OF THE SEPTIC TANK, PUMP STATION AND PREPARATION OF THE ABSORPTION TRENCHES PRIOR TO PLACING THE SYSTEM STONE AND PRIOR TO FINAL COVERING OF THE WASTEWATER SYSTEM.
4. THE DESIGNER SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE FOR A PRESSURE TEST OF THE IN-GROUND SYSTEM PRESSURE DISTRIBUTION NETWORK.
5. THE CONTRACTOR SHALL ADHERE TO VERMONT OCCUPATIONAL HEALTH AND A SAFETY GUIDELINES FOR EXCAVATING AND TRENCH EXCAVATIONS.
6. SEPTIC TANK EFFLUENT FILTER SHOULD BE REMOVED AND RINSED BACK INTO THE SEPTIC TANK ONCE A YEAR.
7. THE SEPTIC TANK AND PUMP STATION SHALL BE INSPECTED ANNUALLY AND PUMPED OUT EVERY 3 YEARS.
8. FOLLOWING THE PRESSURIZED IN-GROUND WASTEWATER SYSTEM INSTALLATION, FINISH GRADE SHALL BE SEEDED AND MULCHED WITH A CONSERVATION GRASS SEED MIX.
9. WATER SOFTENER BACKWASH, SEPTIC TANK ADDITIVES, GREASE OR SANITIZERS SHALL NOT BE INTRODUCED INTO THE WASTEWATER DISPOSAL SYSTEM.



GRASSED AREA PIPE IN TRENCH DETAIL

NOT TO SCALE

DRILLED WELL REQUIRED MINIMUM ISOLATION DISTANCES

1. THESE DISTANCES APPLY TO DRILLED WELLS SERVING A SINGLE-FAMILY RESIDENCE WITH A MAXIMUM DAILY DEMAND OF LESS THAN 1.9 GPM.
 2. THE DRILLED WELL SHALL BE CONSTRUCTED IN ACCORDANCE WITH §1-1208 OF THE STATE OF VERMONT ENVIRONMENTAL PROTECTION RULES, CHAPTER 1, EFFECTIVE APRIL 12, 2019.
- | POTENTIAL SOURCE OF CONTAMINATION DISTANCE | SEPARATION |
|---|---|
| SEWAGE DISPOSAL FIELD DOWNSLOPE WITH FLOWS <2000 GPD UPSLOPE | 200 FEET IF WELL IS 100 FEET IF WELL IS |
| SUBSURFACE WASTEWATER PIPING | 50 FEET |
| EDGE OF RESIDENTIAL DRIVE SERVING 3 RESIDENCES OR LESS | 5 FEET |
| EDGE OF DRIVEWAY, ROADWAY OR PARKING LOT SERVING 3 OR MORE RESIDENCES | 25 FEET |
| PROPERTY LINE BUILDINGS | 10 FEET |
| LIMIT OF HERBICIDE APPLICATION ON UTILITY RIGHT-OF-WAY | 5 FEET |
| SURFACE WATER | 100 FEET |
| CONCENTRATED LIVESTOCK HOLDING AREAS AND MANURE STORAGE ABOVE GROUND | 200 FEET |
| IN-GROUND CONCRETE/GEOSYNTHETIC LINED EARTHEN LINED | 50 FEET |
| HAZARDOUS OR SOLID WASTE DISPOSAL SITE | 100 FEET |
| NON-SEWAGE WASTEWATER DISPOSAL FIELDS | 200 FEET |
- CONTACT DESIGNER

DATE	DESCRIPTION	BY
REVISIONS		
PR & R DEVELOPMENT, LLC OBSERVATORY ROAD, HINESBURG, VERMONT LOT 4 WATER & WASTEWATER SYSTEM DETAILS AND NOTES		
THESE PLANS WITH LATEST REVISIONS SHOULD ONLY BE USED FOR THE PURPOSE SHOWN BELOW: <input type="checkbox"/> PRELIMINARY DRAFT <input checked="" type="checkbox"/> FINAL STATE REVIEW		

SIGNATURE:

JASON S. BARNARD
 LICENSED DESIGNER #126179

PROJECT NO. 21375
 DATE: 02-27-2023
 SCALE: AS NOTED
 SURVEY: MCG, AW, OL
 DRAWN: DW
 CHECKED: JSB
 DRAWING NO. D-3
 SHEET 8 OF 12