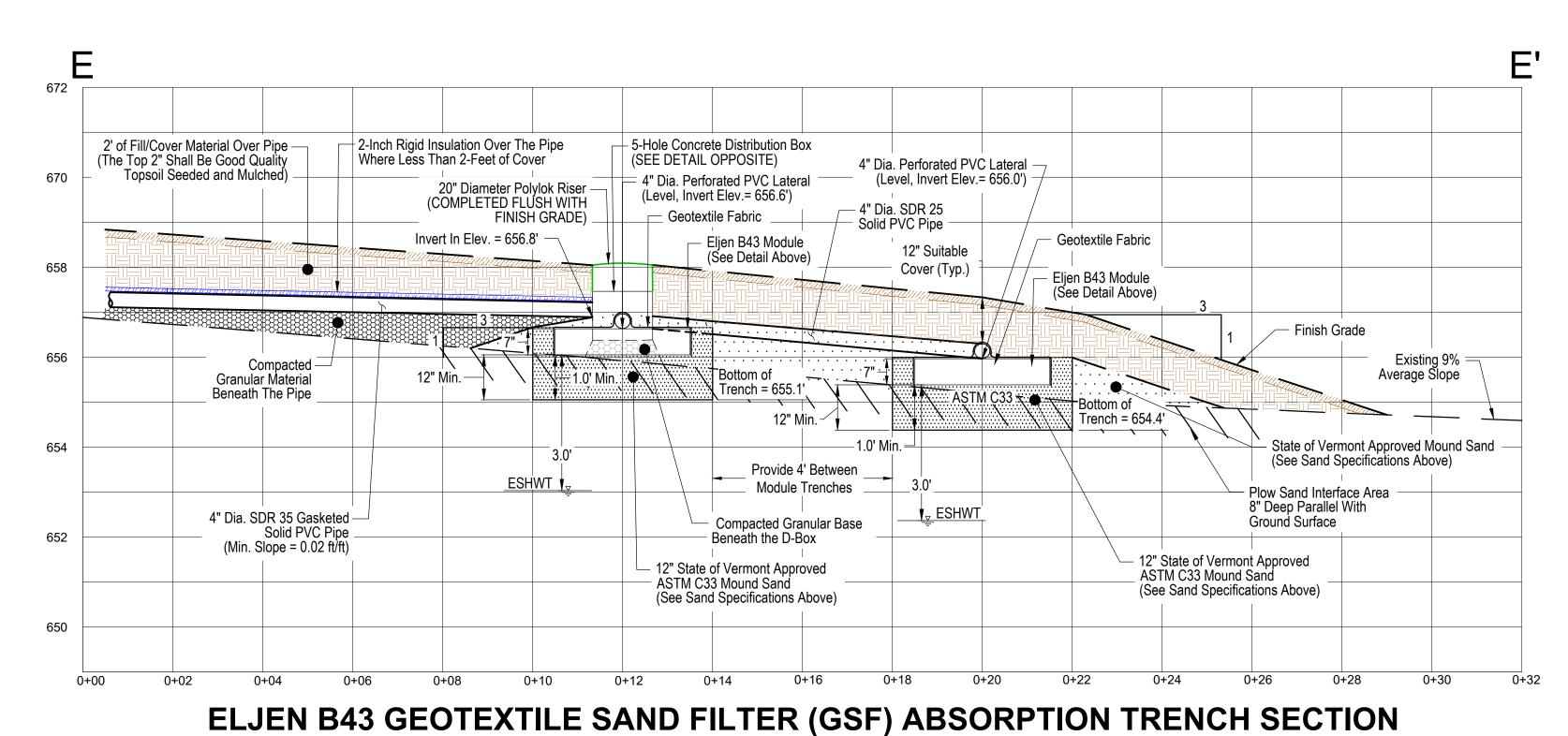


ELJEN B43 GEOTEXTILE SAND FILTER (GSF) ABSORPTION TRENCH PLAN VIEW DETAIL

SCALE: 1-INCH = 5-FEET



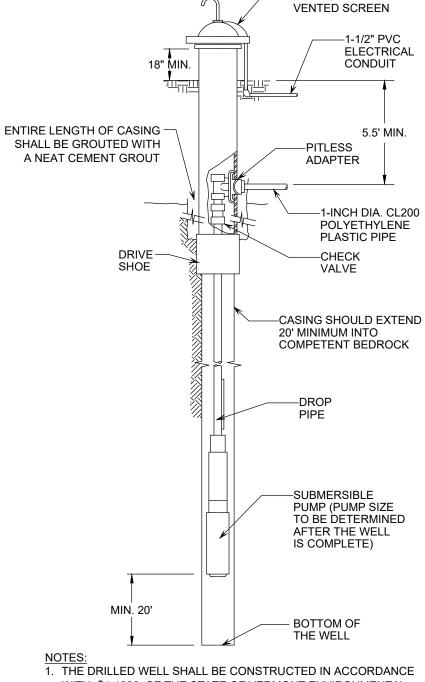
SCALE: 1-INCH = 2-FEET

- GEOTEXTILE PERFORATED -TREATMENT

ELJEN B43 MODULE DETAIL

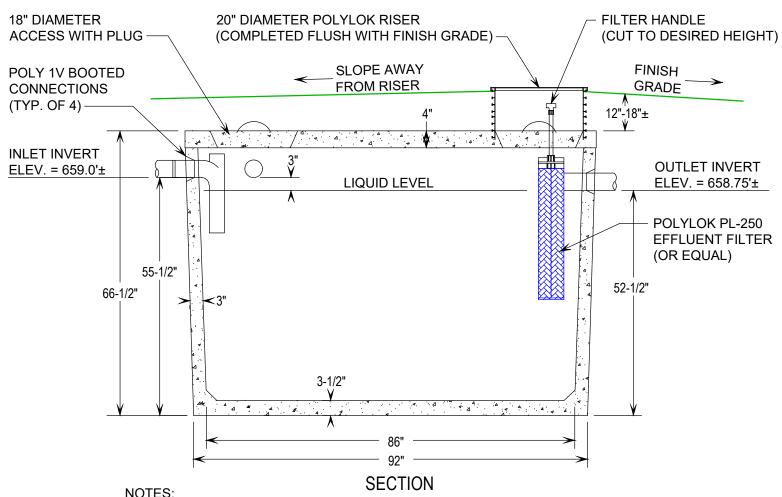
NOT TO SCALE

-WELL CAP WITH



WITH §1-1206 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 THE DRILLED WELL ISOLATION TABLE ON THIS DRAWING.

DRILLED WELL **CONSTRUCTION DETAIL** NOT TO SCALE



- 1. SEPTIC TANK SHALL BE SET LEVEL ON A MINIMUM OF SIX INCHES OF COMPACTED
- GRANULAR BASE. 2. AN INLET TEE BAFFLE IS REQUIRED.

CONTACT DESIGNER

- 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

DRILLED WELL REQUIRED MINIMUM ISOLATION DISTANCES

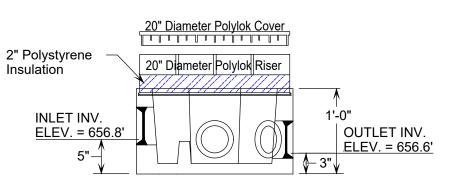
1. THESE DISTANCES APPLY TO DRILLED WELLS SERVING A SINGLE-FAMILY RESIDENCE, WITH A MAXIMUM DAILY DEMAND OF LESS THAN 1.9 GPM.

2. THE DRILLED WELL SHALL BE CONSTRUCTED IN ACCORDANCE WITH §1-1206 OF

THE STATE OF VERMONT ENVIRONMENTAL PROTECTION RULES, CHAPTER 1, EFFECTIVE APRIL 12, 2019.

POTENTIAL SOURCE OF CONTAMINATION DISTANCE	SEPARATION
SEWAGE DISPOSAL FIELD	200 FEET IF WELL IS
DOWNSLOPE WITH FLOWS <2000 GPD UPSLOPE	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	10 FEET
BUILDINGS	5 FEET
LIMIT OF HERBICIDE APPLICATION ON UTILITY RIGHT-OF-WAY	100 FEET
SURFACE WATER	10 FEET
CONCENTRATED LIVESTOCK HOLDING AREAS AND MANURE STORAGE:	200 FEET
ABOVE GROUND IN-GROUND CONCRETE/GEOSYNTHETIC LINED EARTHEN LINED	50 FEET 100 FEET 200 FEET
HAZARDOUS OR SOLID WASTE DISPOSAL SITE	CONTACT DESIGNER

NON-SEWAGE WASTEWATER DISPOSAL FIELDS



1. DISTRIBUTION BOX TO BE SET ON 6" OF GRANULAR BASE.

- FLOW EQUALIZERS ARE REQUIRED. 3. D-BOX AND FLOW EQUALIZERS SHALL BE WATER LEVELED. 4. ALL PIPE PENETRATIONS SHALL BE SEALED WITH A "WATER PLUG"
- NON-SHRINK HYDRAULIC CEMENT. 5. DISTRIBUTION BOX ACCESS COVER SHALL BE COMPLETED FLUSH WITH FINISH GRADE.

5-OUTLET ROUND **CONCRETE DISTRIBUTION BOX**

NOT TO SCALE

STATE OF VERMONT MOUND SAND SPECIFICATIONS **WASTEWATER DISPOSAL SYSTEM**

THE WASTEWATER DISPOSAL 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

WASTEWATER DISPOSAL SYSTEM LOCATION SHALL BE STAKED OUT BY THE DESIGNER PRIOR TO START OF CONSTRUCTION.

CONSTRUCTION AND MAINTENANCE NOTES

SEPTIC TANK ANNUALLY.

ATTACHED MOUND SYSTEM CONSTRUCTION INSTRUCTIONS SHALL BE FOLLOWED DURING THE INSTALLATION OF THE REPLACEMENT MOUND-TYPE WASTEWATER SYSTEM.

4. THE DESIGNER SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE FOR INSPECTIONS

- OF THE SEPTIC TANK, PUMP STATION, PLOWED LAYER, AND PLACEMENT OF THE MOUND 5. THE DESIGNER SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE FOR A PRESSURE
- TEST OF THE MOUND SYSTEM PRESSURE DISTRIBUTION NETWORK.
- WASTEWATER SYSTEM FINISH GRADES WILL VARY WITH NATURAL TOPOGRAPHY PRIORITY IS TO MAINTAIN 3 ON 1 MOUND TOE SLOPES.
- SEPTIC TANK EFFLUENT FILTER SHOULD BE REMOVED AND RINSED BACK INTO THE
- 8. THE SEPTIC TANK AND PUMP STATION SHOULD BE INSPECTED ANNUALLY AND PUMPED OUT AT LEAST EVERY THREE (3) YEARS OR AS NECESSARY TO PREVENT SOLIDS FROM CARRYING OVER TO THE DISPOSAL SYSTEM.
- SEEDED AND MULCHED WITH A CONSERVATION GRASS SEED MIX.

9. FOLLOWING THE MOUND WASTEWATER SYSTEM INSTALLATION, FINISH GRADE SHALL BE

10. WATER SOFTENER BACKWASH, SEPTIC TANK ADDITIVES, GREASE OR SANITIZERS SHALL NOT BE INTRODUCED INTO THE WASTEWATER DISPOSAL SYSTEM.

(c) Fill Material: The fill material from the natural soil plowed surface to

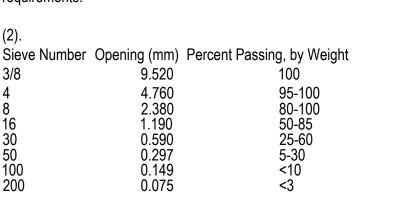
the top of the trench or bed shall be clean washed silica sand meeting one of the following sieve requirements

one of the following sieve requirements:		
(1). Sieve Number 3/8 40 60 100 200	Opening (mm) 9.500 0.420 0.240 0.149 0.074	Percent Passing, by Weight 85-100 25-75 0-30 0-10 0-5
(2). Sieve Number 4 8 16 30 50 100 200	Opening (mm) 4.750 2.380 1.190 0.590 0.297 0.149 0.074	Percent Passing, by Weight 95-100 80-100 50-85 25-60 10-30 2-10 0-3
(3). Sieve Number 3/8 40 200	Opening (mm) 9.500 0.420 0.074	Percent Passing, by Weight 85-100 30-50 0-5

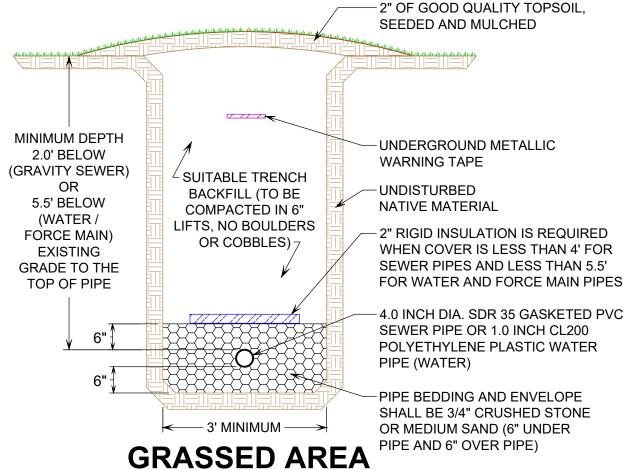
The material must meet the specifications 1, 2, or 3 above. Interpolation of analyses is not permitted. Fill material 2 is ASTM Specification C-33 and is intended for manufactured material.

ELJEN GEOTEXTILE SAND FILTER (GSF) SAND SPECIFICATIONS

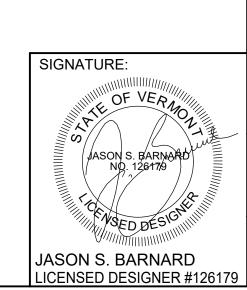
(c) Fill Material: The fill material with the Eljen GSF Wastewater Leaching System shall be clean washed silica sand meeting one of the following sieve



The material must meet the specifications 2 above. Interpolation of analyses is not permitted. Fill material 2 or Mound Sand 2 is ASTM Specification C33 and is intended for manufactured material.



PIPE IN TRENCH DETAIL NOT TO SCALE



DATE DESCRIPTION BY REVISIONS BARNARD & Land Surveying Water & Wastewater GERVAIS, LLC **Environmental Consulting** 167 Main Street, P.O.Box 820 10523 VT Route 116, P.O.Box 133 PROJECT NO. Enosburg Falls, VT 05450 21375 Telephone: (802) 482-2597 Telephone: (802) 933-5168 EIGHT-LOT SUBDIVISION AND PLANNED UNIT DEVELOPMENT DATE: 02-27-2023 SCALE: AS NOTED PR & R DEVELOPMENT, LLC SURVEY: MCG, AW, OI OBSERVATORY ROAD, HINESBURG, VERMONT LOT 6 WATER & WASTEWATER HECKED: **SYSTEM DETAILS AND NOTES** RAWING NO.

THESE PLANS WITH LATEST REVISIONS SHOULD ONLY BE USED FOR THE PURPOSE SHOWN BELOW: PRELIMINARY DRAFT

FINAL STATE REVIEW SHEET 10 OF 12