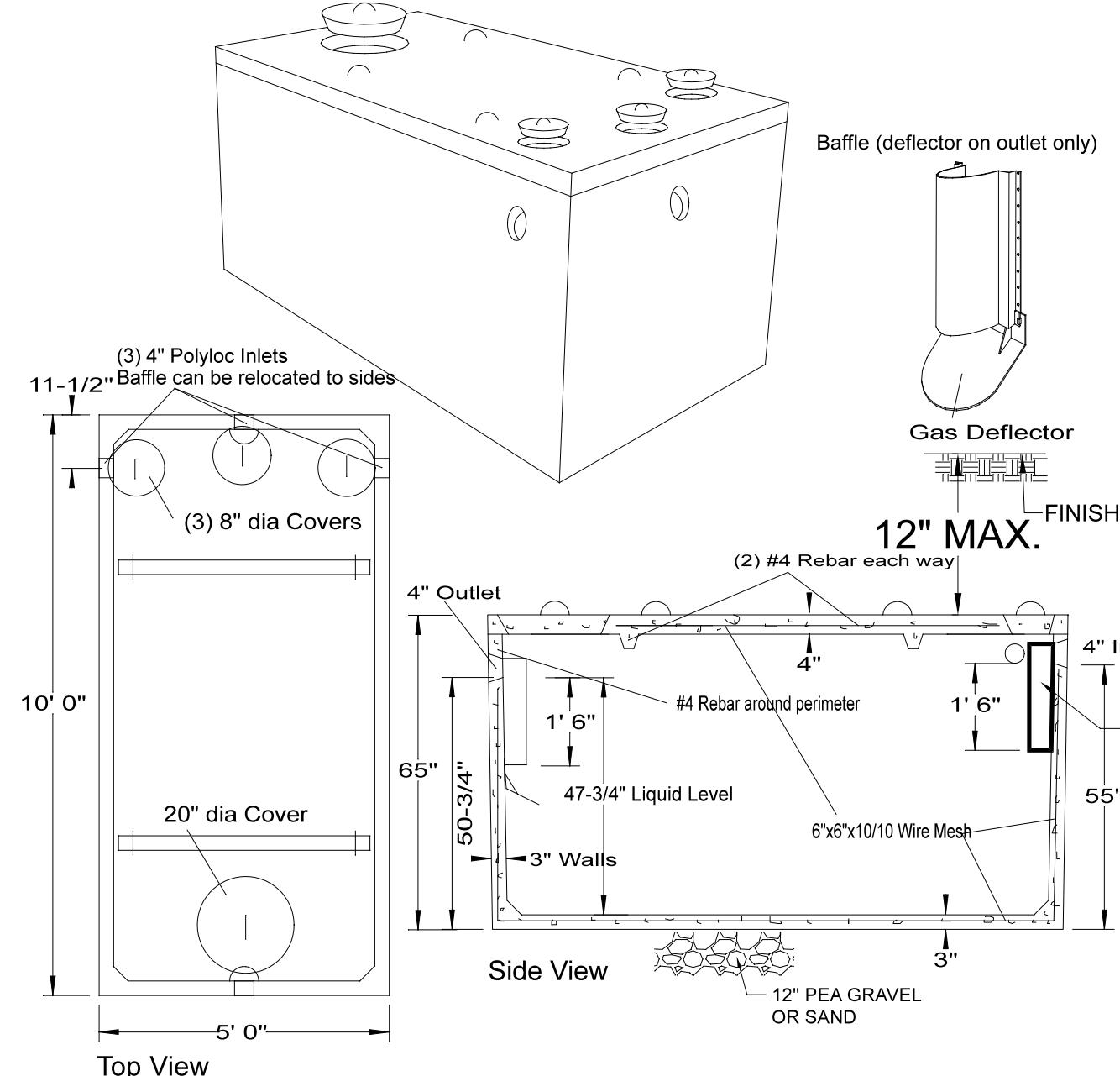


SEPTIC SYSTEM PLAN VIEW

CURTAIN DRAIN NOTES
 1. CURTAIN DRAIN SHALL BE INSTALLED UPHILL AND ALONG ONE SIDE OF THE ABSORPTION FIELD AS SHOWN ON THE PLANS.
 2. PLACE SOIL FILTRATION FABRIC ALONG THE BOTTOM AND SIDES OF TRENCH, PLACE 4" CRUSHED STONE AT BOTTOM, INSTALL PERFORATED PIPE, AND BACKFILL WITH CRUSHED STONE. OVERLAP SOIL FILTRATION FABRIC OVER CRUSHED STONE BEFORE PLACEMENT OF IMPERVIOUS SOIL.
 3. TRANSITION FROM PERFORATED TO SOLID PIPE MAY BE MADE ADJACENT TO THE LAST LATERAL INSTALLED.
 4. CLEANOUTS TO BE INSTALLED FLUSH WITH FINISHED GRADE AT LOCATIONS SHOWN ON PLAN.
 5. END OF SOLID PVC CURTAIN DRAIN OUTLET SHALL BE SCREENED.
 6. SWALES AND CURTAIN DRAIN DISCHARGES TO BE DIRECTED AWAY FROM ABSORPTION FIELD.

CURTAIN DRAIN DETAIL
(N.T.S.)



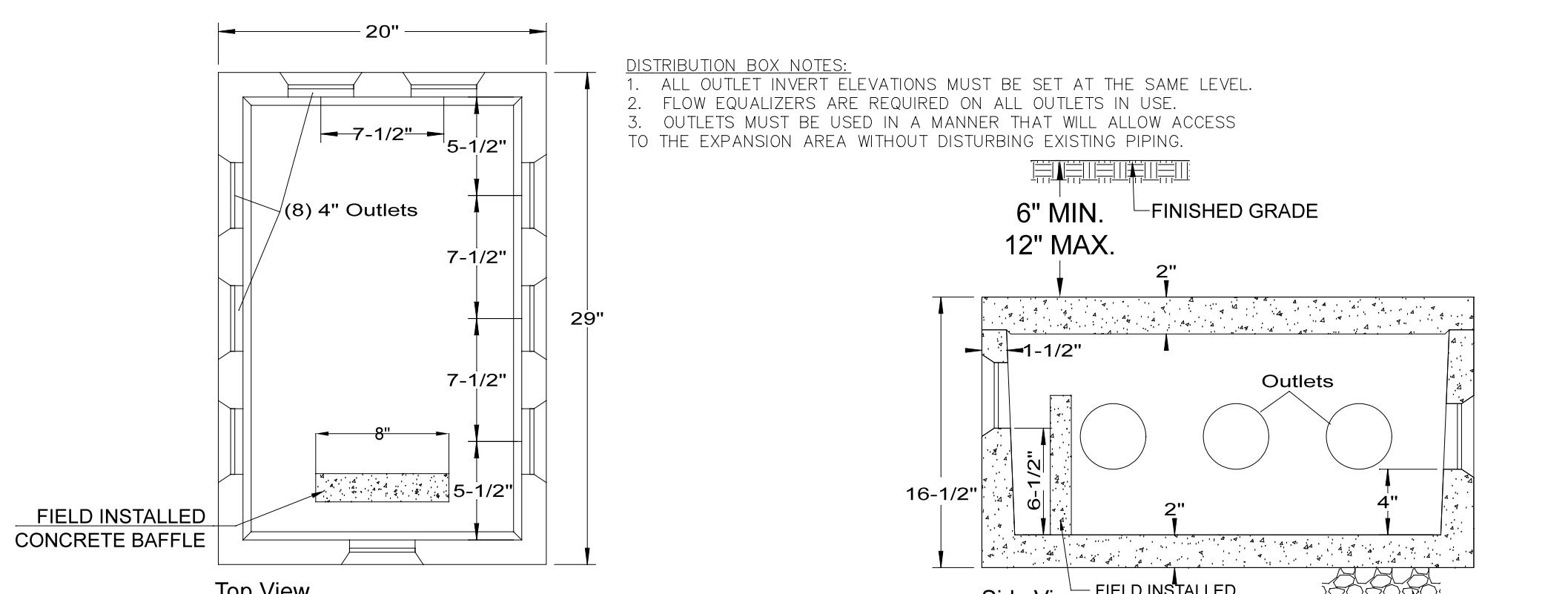
SPECIFICATIONS

Concrete Min. Strength: 4,000 psi at 28 days
 Reinforcement: #4 Rebar, 6x6x10ga. WWM
 Air Entrainment: 5%
 Construction Joint: Butyl Rubber Sealant
 Pipe Connection: Polylok Seal (patented)
 Weight = 9,500 lbs
 Load Rating: 300 psf

PRECAST SEPTIC TANKS
MODEL ST-1250 / 1250 GALLONS

Woodard's Concrete Products, Inc.
629 Lybolt Road, Bullville, NY 10915
(845) 361-3471 / Fax 361-1050

1,250 GALLON SEPTIC TANK



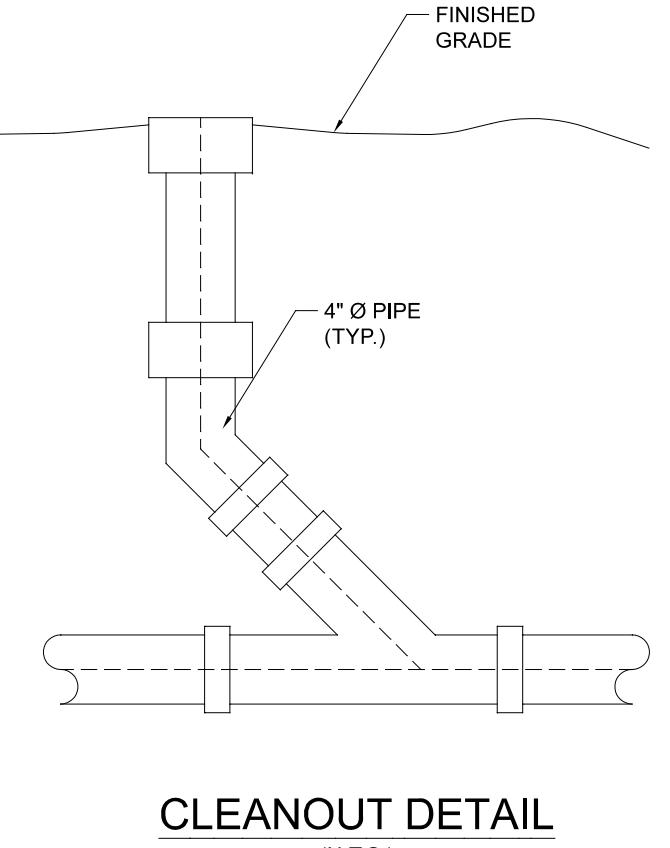
SPECIFICATIONS

Concrete Min. Strength: 4,000 psi at 28 days
 Reinforcement: Fiber, 10ga. wire mesh
 Air Entrainment: 5%
 Pipe Connection: Polylok Seal (patented)
 Load Rating: 300 psf
 Weight = 290 lbs

PRECAST DISTRIBUTION BOXES
MODEL DB-9 / 8 OUTLET BOX

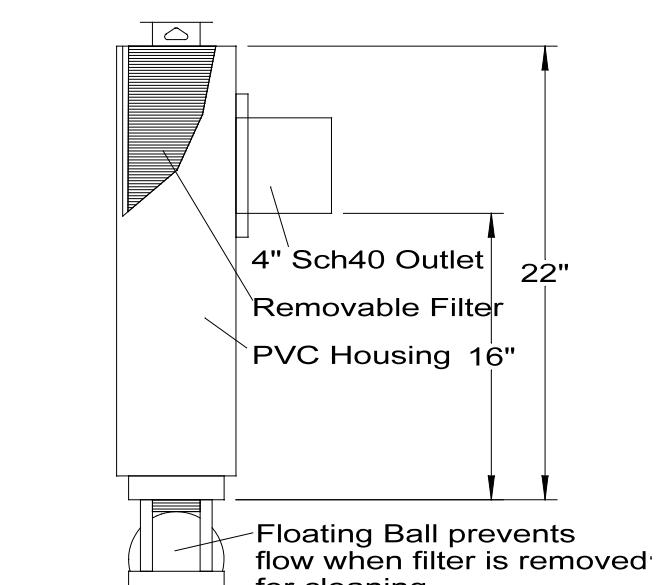
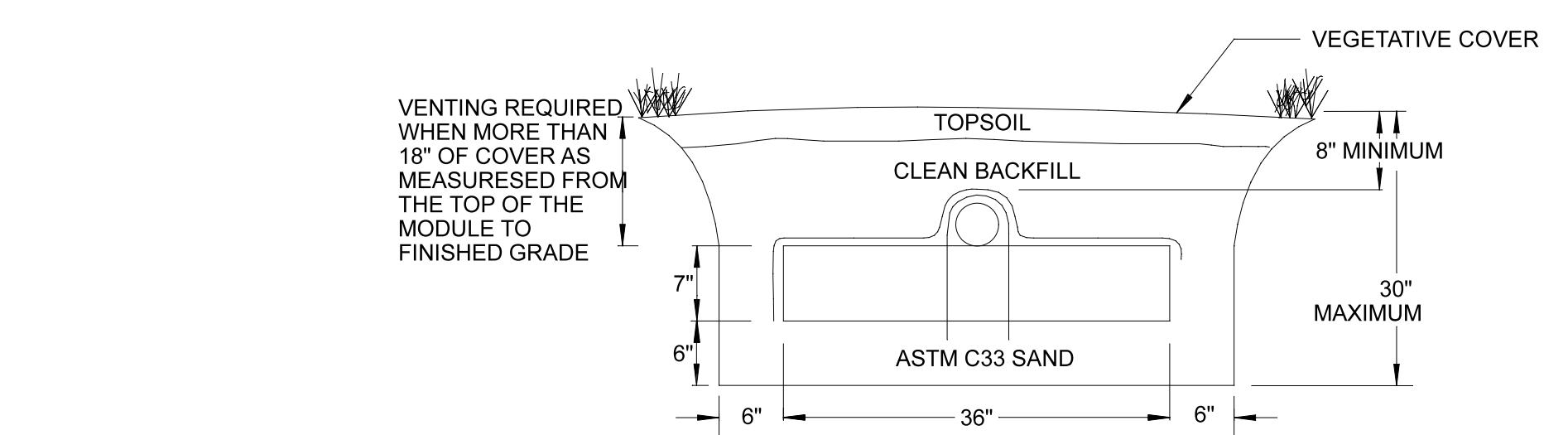
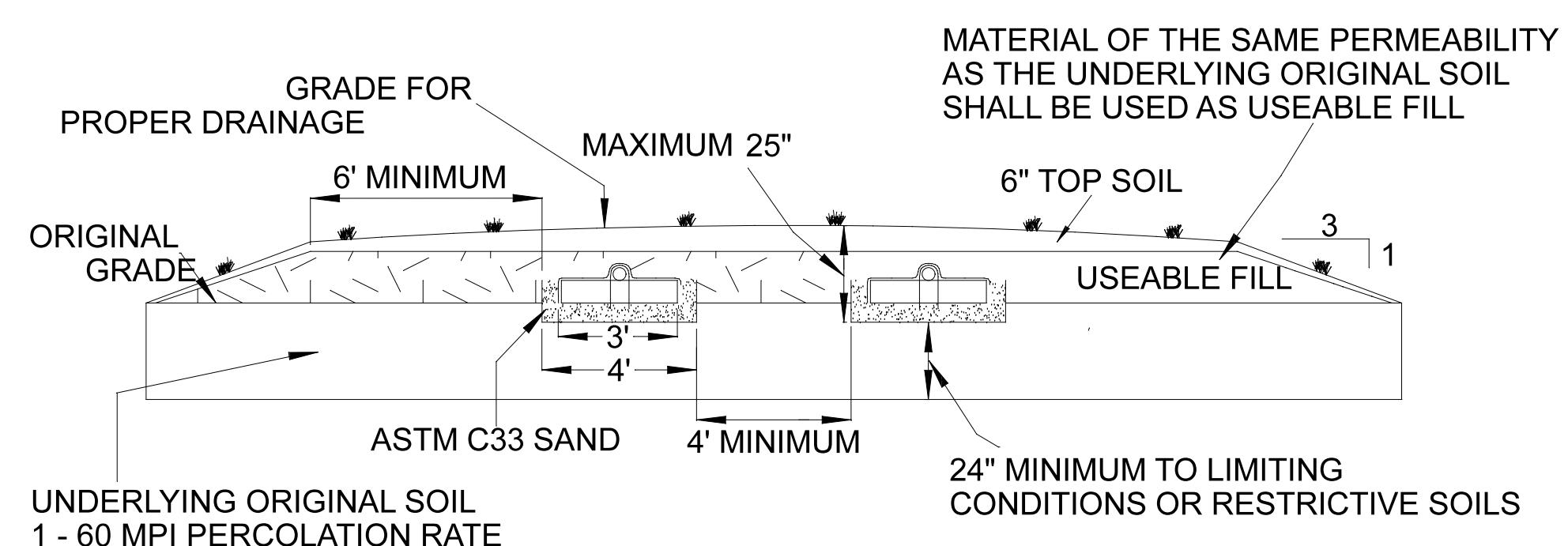
Woodard's Concrete Products, Inc.
629 Lybolt Road, Bullville, NY 10915
(845) 361-3471 / Fax 361-1050

DISTRIBUTION BOX DETAIL



CLEANOUT DETAIL
(N.T.S.)

CLEANOUTS SHALL BE INSTALLED BEFORE ALL PIPE BENDS BETWEEN THE SEPTIC TANK AND DISTRIBUTION BOX AND OR AT EVERY 75' OF STRAIGHT PIPE. CLEANOUTS SHALL NOT BE USED WITH PUMP CHAMBERS.



Polylok PL-68 (OR NSF46 CERTIFIED APPROVED EQUAL)

SPECIFICATIONS
 Construction: PVC or Polyethylene plastic
 NSF Standard 46 Certified

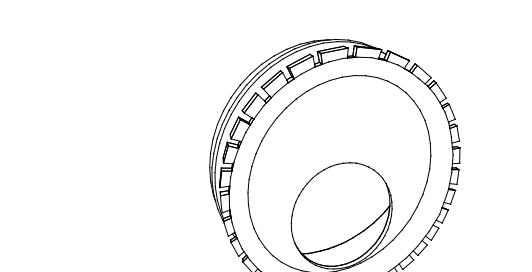
SEPTIC TANK & GREASE TRAP
 EFFLUENT FILTERS

Woodard's Concrete Products, Inc.
629 Lybolt Road, Bullville, NY 10915
(845) 361-3471 / Fax 361-1050

ELJEN SYSTEM NOTES

1. THIS DESIGN AND CONSTRUCTION REQUIREMENT COMPLIES WITH APPENDIX 75-A AND LOCAL HEALTH DEPARTMENT REGULATIONS.
 2. THIS DESIGN COMPLIES WITH AND MUST BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT ELJEN NEW YORK DESIGN AND INSTALLATION MANUAL.
 3. THIS SYSTEM IS NOT DESIGNED FOR USE WITH A GARBAGE DISPOSAL.
 4. THIS SYSTEM IS NOT DESIGNED FOR BACKWASH FROM A WATER SOFTENER.
 5. ORGANIC MATERIAL THAT CAN RESTRICT FLOW MUST BE REMOVED FOR RAISED BEDS. THE SOIL MUST BE SCARIFIED TO PROVIDE DEEP CHANNELS FOR THE SAND. A PLowed INTERFACE ON CONTOUR IS RECOMMENDED TO PREPARE THE SOIL FOR FILL PLACEMENT.
 6. SCARF ANY SOIL REAR SUBSTRATE PRIOR TO FILL PLACEMENT.
 7. FILL MATERIAL SHOULD MEET THE NEEDS OF NEW YORK CODE REQUIREMENTS. ALL FILL MATERIAL SHALL BE CLEAN BANK RUN SAND, FREE OF TOPSOIL, HUMUS AND "DREDGING" DIRECTLY BEHIND THE GSF SYSTEM. ASTM C33 SPECIFIED SAND WITH LESS THAN 10% PASSING A #100 SIEVE AND LESS THAN 1% PASSING A #200 SIEVE SHALL BE PLACED BELOW AND AROUND THE GSF MODULES WITH 6 INCHES MINIMUM UNDERNEATH AND 6 INCHES MINIMUM SURROUNDING THE GSF MODULES IN TRENCH CONFIGURATIONS. IN BED SYSTEMS USE 6 INCHES MINIMUM UNDERNEATH THE MODULES WITH 12 INCHES MINIMUM BETWEEN MODULE ROWS AND 12 INCHES MINIMUM BETWEEN MODULES IN A ROW.
 8. ELJEN PROVIDED GEOTEXTILE COVER FABRIC SHALL PROVIDE PROPER TENSION AND ORIENTATION OF THE FABRIC AROUND THE SIDES OF THE PERFORATED PIPE ON TOP OF THE GSF MODULES. FABRIC SHOULD BE NEITHER TOO LOOSE NOR TOO TIGHT. THE CORRECT TENSION OF THE COVER FABRIC IS NOT A SET SPREADING NUMBER. COVER FABRIC OVER THE MODULE AND DOWN BOTH SIDES OF THE MODULE WITH THE COVER FABRIC TENTED OVER THE TOP OF THE PERFORATED DISTRIBUTION PIPE. PLACE SHOVEL FULLS OF SPECIFIED SAND DIRECTLY OVER THE PIPE AREA ALLOWING THE FABRIC TO SPREAD OUT AND TENSION ALONG THE SIDES OF THE PIPE. REPEAT THIS STEP MOVING DOWN THE PIPE.
 9. BACKFILL MATERIAL SHALL BE CLEAN WITH NO ROOTS OR STONES LARGER THAN 2 INCHES IN ANY DIMENSION TO A MINIMUM DEPTH OF 8 INCHES OVER THE GSF MODULES AND FINAL COVER FOR VEGETATION OF 4 INCHES OF CLEAN LOAM.
 10. ANY SYSTEM WHICH IS MORE THAN 18 INCHES BELOW FINISH GRADE AS MEASURED FROM THE TOP OF THE MODULE SHALL BE VENTED.

ELJEN SYSTEM ASTM C33 SAND SPECIFICATION		
SIEVE SIZE	SIEVE OPENING SIZE	SPECIFICATION PERCENT PASSING (WET SIEVE)
0.375"	9.5 mm	100.0 - 100.0
#4	4.75mm	95.0 - 100.0
#8	2.36 mm	80.0 - 100.0
#16	1.18 mm	50.0 - 85.0
#30	600 um	25.0 - 60.0
#50	300 um	5.0 - 30.0
#100	150 um	< 10.0
#200	75 um	< 5.0



SPECIFICATIONS	SPEED LEVELER
Construction: Plastic	FSL-4 Woodard's Concrete Products, Inc. 629 Lybolt Road, Bullville, NY 10915 (845) 361-3471 / Fax 361-1050

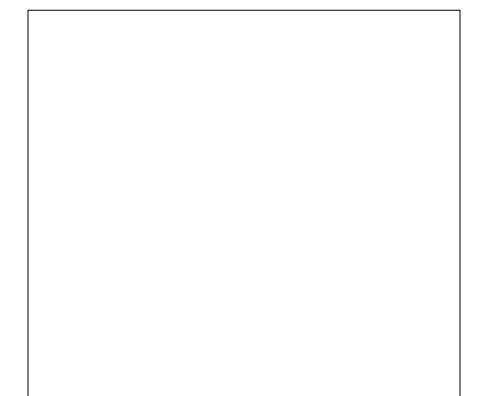
SPEED LEVELER DETAIL
(N.T.S.)

ENGINEERS' CERTIFICATION:
 I hereby certify to the herein listed parties that the sewage disposal system depicted on this plan has been designed in accordance with the New York State Public Health Law and all promulgated thereunder.

Signature _____ Date _____

NYS License Number: 085069

JONATHAN CELLA, P.E.
51 HUNT ROAD
WALLKILL, NY 12589



Septic Details
 of the lands of
 Carl D. Fredericks
 Jonathan N. Mullen, LLS
 PROFESSIONAL LAND SURVEYOR
 CERTIFIED TO BE CORRECT AND ACCURATE
 N.Y. LIC. No. 050746
 STATE OF NEW YORK
 JONATHAN N. MULLEN
 050746
 LICENSED LAND SURVEYOR
 Prepared For Tax Map Parcel
 108.3-4-33.120 & 108.3-5-25
 aka 420 Plattekill Road
 situated in the
 Town of Marlborough & Plattekill
 County of Ulster, New York 12542
 DATE: 03/17/2023 | SCALE: As Shown | JOB No. 22104FRE | DRAWN BY: jnm