



1. CURTAIN DRAIN SHALL BE INSTALLED UPHILL AND ALONG ONE SIDE OF THE ABSORPTION FIELD AS SHOWN ON THE PLANS.
2. PLACE SOLID FILTRATION FABRIC ALONG THE BOTTOM AND SIDES OF TRENCH. PLACE 4" CRUSHED STONE AT BOTTOM, INSTALLED PERFORATED PIPE, AND BACKFILL WITH CRUSHED STONE. OVERLAP SOLID 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.)

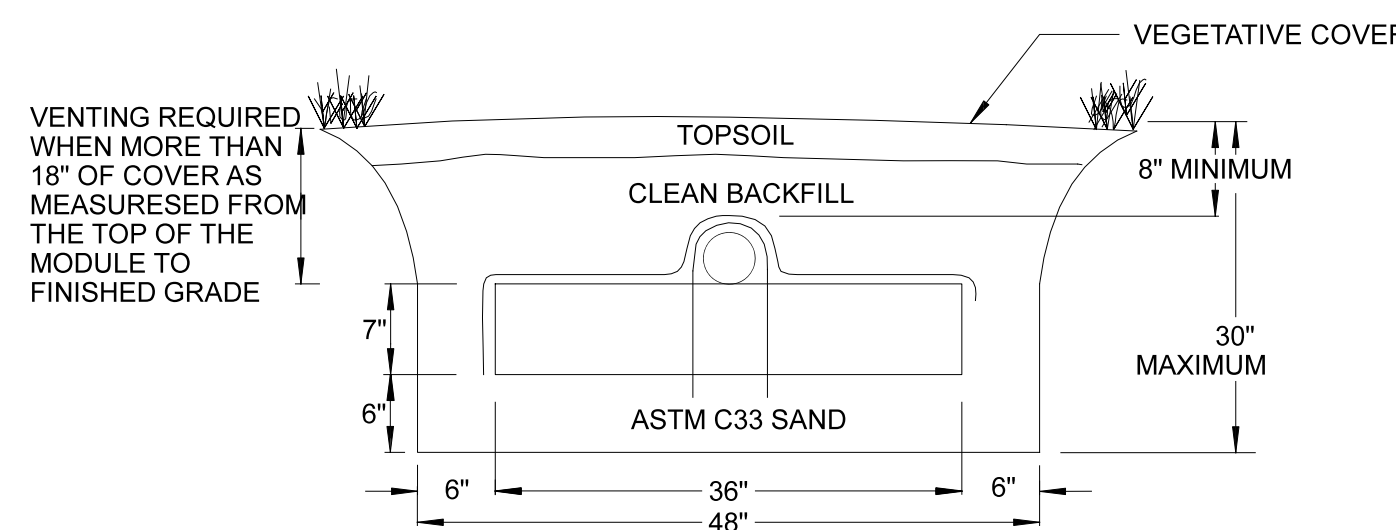
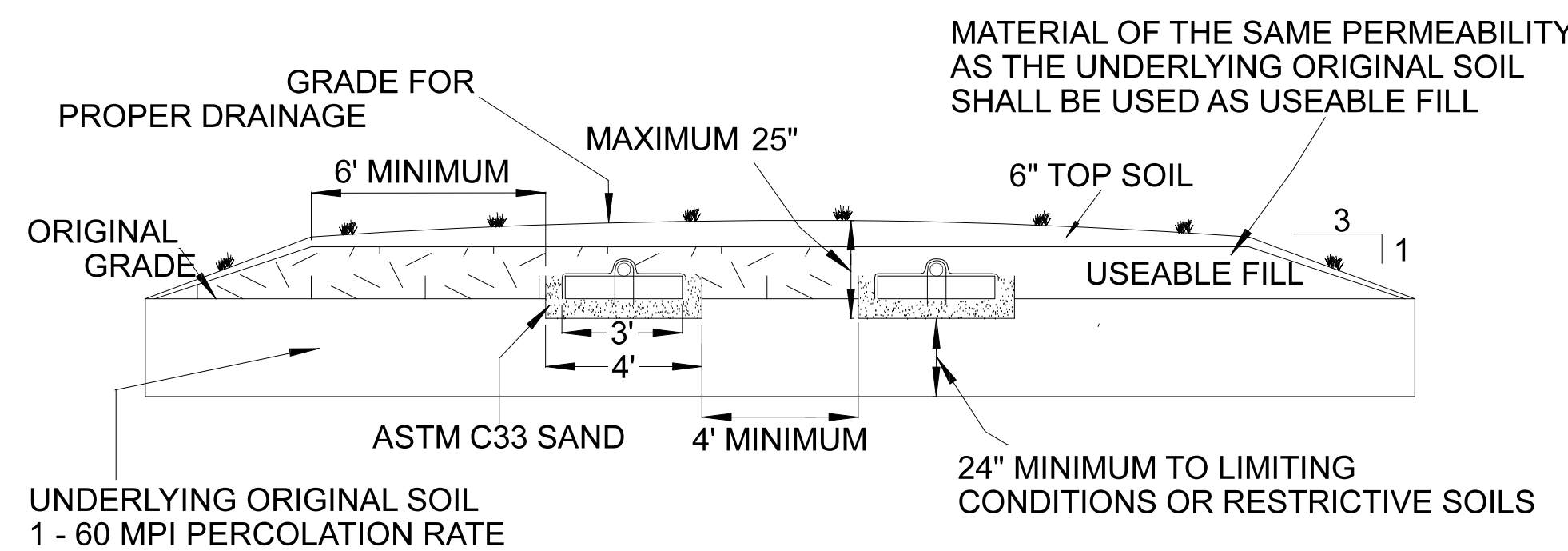


SPECIFICATIONS
Construction: PVC or Polyethylene plastic NSF Standard 46 Certified
SEPTIC TANK & GREASE TRAP EFFLUENT FILTERS
Woodard's Concrete Products, Inc. 629 Lybolt Road, Bullville, NY 10915 (845) 361-3471 / Fax 361-1050



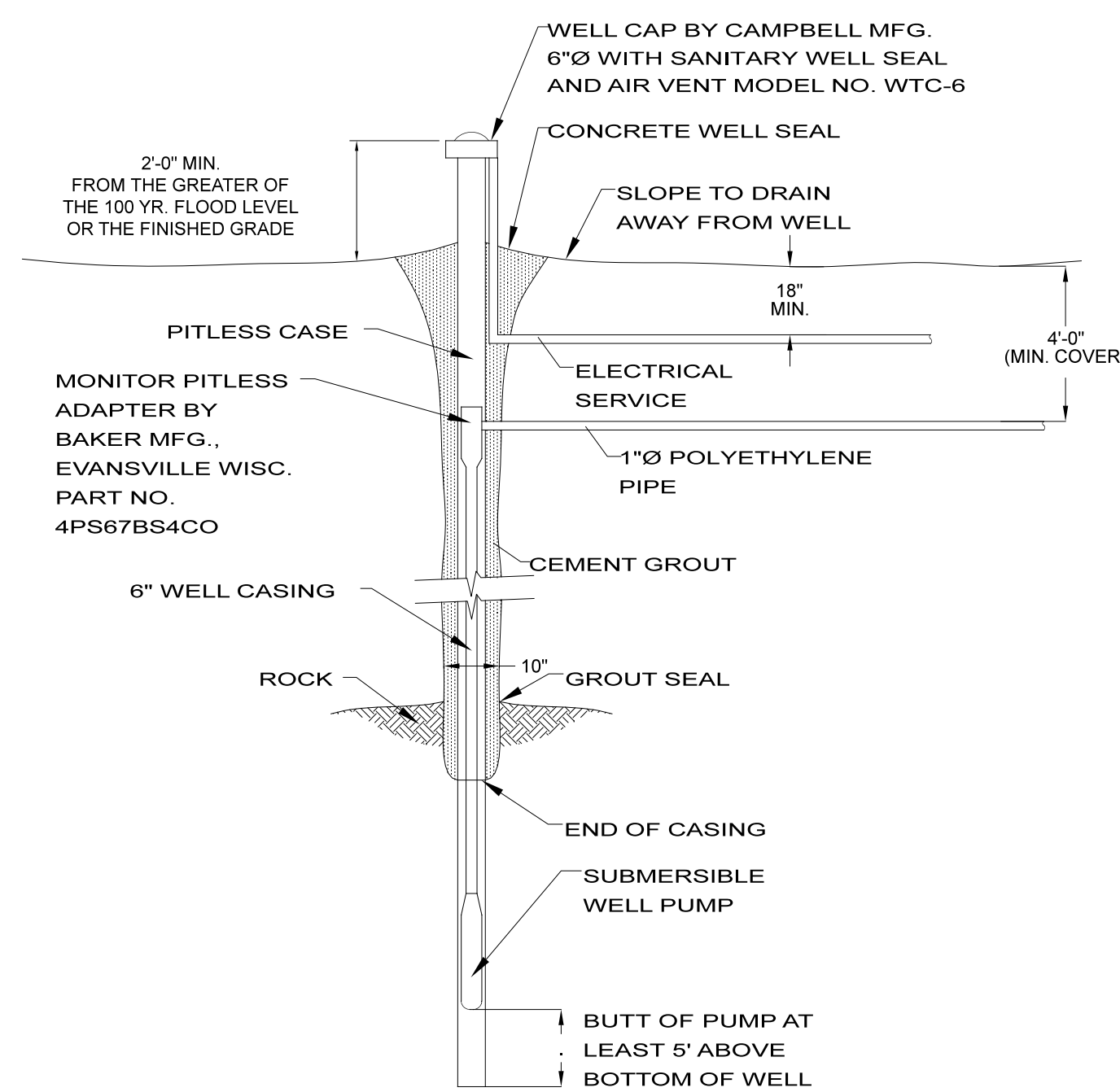
(N.T.S.)

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.



ELJEN SYSTEM NOTES

1. THIS DESIGN AND CONSTRUCTION REQUIREMENT COMPLIES WITH APPROVED 75-A AND LOCAL HEALTH DEPARTMENT REGULATIONS.
2. THIS DESIGN COMPLETES WITH AND MUST BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT ELLEN 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 BACKFLOW FROM A WATER SOFTENER.
5. OTHER MATERIAL THAT CAN RESTRICT FLOW MUST BE REMOVED FOR RAISED BEDS. THE SOIL MUST BE SCARIFIED TO PROVIDE DEEP CHANNELS FOR THE SAND. A FLOWED INTERFACE ON CONTOUR IS RECOMMENDED TO PREVENT FLOW OF SAND FROM THE GSF MODULES.
6. SCARIFY ANY PLOURED SUBSLOPE PRIOR TO FILL PLACEMENT.
7. FILL MATERIAL SHALL MEET OR EXCEED STATE OF NEW YORK CODE REQUIREMENTS FOR FILL. FILL SHALL BE PLACED IN 12" LAYERS, FREE OF TOPSOIL, HUMUS, AND "DREDGING" DIRECTLY BENEATH THE GSF SYSTEM.
8. ASTM C33 SPECIFIED SAND WITH LESS THAN 10% PASSING A #100 SIEVE AND LESS THAN 5% PASSING A #200 SIEVE SHALL BE USED TO FILL AROUND THE GSF MODULES. WITH 6 INCHES MINIMUM UNDERNEATH AND 6 INCHES MINIMUM SURROUNDING THE GSF MODULES IN TRENCH.
9. PREPARED BEDS OR OTHER AREAS SHALL BE SCARIFIED UNDERNEATH THE MODULES WITH 12 INCHES MINIMUM BETWEEN MODULE ROWS AND 12 INCHES MINIMUM AROUND THE PERIMETER OF THE MODULES.
10. THE DESIGN OF THE COVER FABRIC SHALL BE SUFFICIENT TO PROVIDE PROPER TENSION AND ORIENTATION OF THE FABRIC AROUND THE SIDES OF THE PERFORATED PIPE ON TOP OF THE GSF MODULES. FABRIC SHOULD BE TIGHTLY STRETCHED TO THE PERFORATED PIPE AND THE COVER FABRIC IS SET BY SPREADING THE COVER FABRIC AROUND THE TOP OF THE MODULE AND DOWN BOTH SIDES OF THE MODULE WITH THE COVER FABRIC TIGHTLY STRETCHED TO THE PERFORATED PIPE AND DISTRIBUTION PIPE. PLACE SHOVEL FULLS OF SPECIFIED SAND DIRECTLY OVER THE PIPE AREA ALLOWING THE COVER FABRIC TO FORM A MOSTLY VERTICAL ORIENTATION AROUND THE PERFORATED PIPE. THE COVER FABRIC SHALL BE 12 INCH PIPE TO 10 BACKFILL MATERIAL SHALL BE CLEAN WITH NO ROOTS OR STONES LARGER THAN 2 INCHES IN ANY DIMENSION TO A MINIMUM DEPTH OF 8 INCHES. ANY OF THE GSF MODULES AND FINAL COVER FOR VEGETATION OF 12 INCHES TO 6 INCHES OF CLEAN LOAM.
11. THE COVER FABRIC SHALL BE MORE THAN 18 INCHES BELOW FINISH GRADE AS MEASURED FROM THE TOP OF THE MODULE SHALL BE VENTED.



TYPICAL WELL DETAIL

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WELL NOTES:

1. CASING DEPTH SHALL EXTEND AT LEAST 40' BELOW GROUND IN ANY CONDITION
2. WELL TO BE CONSTRUCTED PER NYSDOH APPENDIX 5B "STANDARDS FOR WATER WELL" LATEST EDITION
3. WELL SHALL HAVE A MIN. YIELD OF 5 GPM.
4. WELL CASING MATERIAL IS TO BE IN COMPLIANCE WITH AWWA STANDARD A-100, LATEST VERSION.

ELJEN SYSTEM ASTM C33 SAND SPECIFICATION		
SIEVE SIZE	SIEVE SQUARE 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

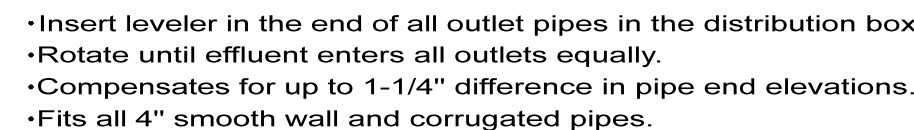
ENGINEERS' CERTIFICATION:

I hereby certify to the hereon 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 _____

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

NYS License Number: 085069



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

SPEED LEVELER DETAIL

(N.T.S.)

SPECIFICATIONS	PRECAST DISTRIBUTION BOXES MODEL DB-9 / 8 OUTLET BOX
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	
	Woodard's Concrete Products, Inc.
	629 Lybolt Road, Builville, NY 10915
	(845) 361-3471 / Fax 361-1050

DISTRIBUTION BOX DETAIL

N.T.S.

DATE	REVISION
08/24/2023	MISC. CHANGES & ADDITIONS PER PLANNING BOARD COMMENTS

Septic Details

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Carl D. Fredericks

Automated Construction Enhanced Solutions, Inc.
Professional Land Surveying
 1229 Route 300 - Suite 4 - Newburgh, NY 12550
 Office: 845-943-7198 Field: 914-906-8830 Web: acesurveying.com

Prepared For Tax Map Parcel:

108.3-4-33.120 & 108.3-5-25
aka 420 Plattekill Road

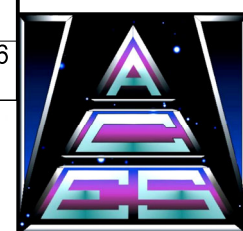
*Town of Marlborough & Plattekill
County of Ulster, New York 12542*

DATE: 03/17/2023	SCALE: As Shown	JOB No. 22104FRE	DRAWN BY: jnr
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Jonathan N. Milten, LLS

PROFESSIONAL LAND SURVEYOR
CERTIFIED TO BE CORRECT AND ACCURATE

N.Y. LIC. No. 05074



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situated in the
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County of Ulster, New York 12542