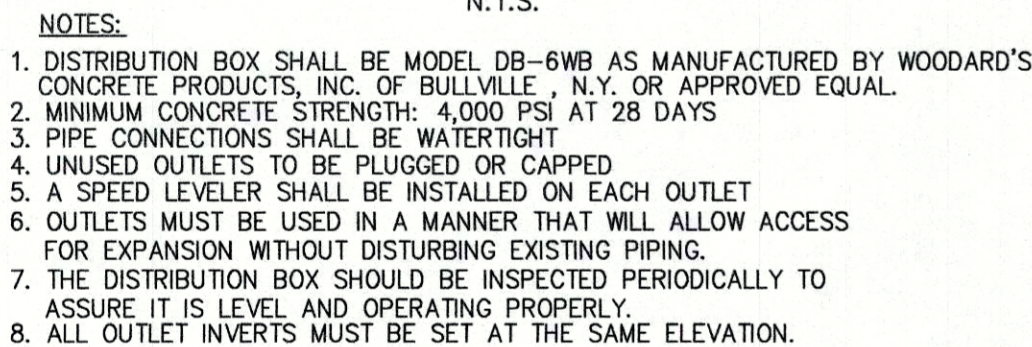


1. SEWAGE DISPOSAL SYSTEMS SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK STATE HEALTH CODE, TO THE MAXIMUM EXTENT PRACTICABLE.
2. EROSION CONTROL MEASURES SHALL BE ESTABLISHED PRIOR TO THE START OF CONSTRUCTION AND BE MAINTAINED TO THE TOWN BUILDING INSPECTOR'S SATISFACTION UNTIL DISTURBED AREAS HAVE BEEN STABILIZED.
3. SEWAGE DISPOSAL LOCATIONS SHALL NOT BE CHANGED. "AS-BUILT" PLANS, CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER, SHALL BE SUBMITTED TO THE TOWN OF CHESTER UPON THE COMPLETION OF CONSTRUCTION.
4. CELLAR, ROOF AND FOOTING DRAINS SHALL NOT DISCHARGE TO THE SEWAGE DISPOSAL SYSTEMS, NOR TOWARDS THE SURFACE AREA OF THE ABSORPTION FIELD.
5. THE PROPOSED SEWAGE DISPOSAL SYSTEM LOCATIONS CONFORM TO THE REQUIRED SEPARATION DISTANCES WITH RESPECT TO THE LOCATION OF EXISTING WELLS ON THE SITE AND ON NEARBY LOTS.
6. THE SEWAGE DISPOSAL SYSTEM HAS BEEN DESIGNED FOR A FOUR-BEDROOM DWELLING.
7. SEWAGE DISPOSAL SYSTEMS MUST BE A MINIMUM 50 FEET FROM ANY STORMWATER DRAINAGE SYSTEMS.
8. SEWAGE DISPOSAL SYSTEM HAS BEEN DESIGNED BASED ON THE USE OF POST-1994 PLUMBING FIXTURES (1.6 GPF GMA. TOILET AND 2.5 GPM MAX. FAUCETS AND SHOWERHEADS).
9. ALL FOOTING DRAINS WITHIN 25 FEET OF A WELL MUST BE WATERTIGHT, AND WATER LINES SHALL BE LOCATED AT LEAST 10 FEET FROM ANY PART OF A SEWAGE DISPOSAL SYSTEM.
10. DRAINAGE DITCHES SHALL BE FREE FLOWING AND NOT LESS THAN 25 FEET FROM A WELL.
11. THERE SHALL BE NO REGRADING IN THE AREA OF THE ABSORPTION FIELDS.
12. HEAVY EQUIPMENT SHALL BE KEPT OFF THE AREAS OF THE ABSORPTION FIELDS EXCEPT DURING THE ACTUAL CONSTRUCTION OF THE FIELDS. THERE SHALL BE NO UNNECESSARY MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE AREAS OF THE PROPOSED FIELDS BEFORE, DURING, OR AFTER CONSTRUCTION. EXTREME CARE MUST BE TAKEN DURING THE ACTUAL CONSTRUCTION SO AS TO AVOID ANY UNDUE COMPACTION THAT COULD RESULT IN A CHANGE OF THE ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN WAS BASED.
13. NO SWIMMING POOLS, DRIVEWAYS OR STRUCTURES WHICH MAY COMPACT THE SOIL SHALL BE LOCATED OVER OR ADJACENT TO AN ABSORPTION FIELD.
14. THE SEWAGE DISPOSAL SYSTEMS HAVE NOT BEEN DESIGNED TO ACCOMMODATE GARBAGE GRINDERS, WATER SOFTENERS, OR "JACUZZI" TYPE SPA TUBS OVER 100 GALLONS. AS SUCH, THESE ITEMS SHALL NOT BE INSTALLED UNLESS THE SEWAGE DISPOSAL SYSTEM IS REDESIGNED TO ACCOUNT FOR THEIR USE, AND RE-APPROVED BY THE TOWN OF CHESTER.
15. THE NYSDOH RESIDENTIAL ONSITE WASTEWATER TREATMENT SYSTEMS DESIGN HANDBOOK, 2012, APPENDIX C IDENTIFIES THE LIST OF "ACCEPTED" GRAVELLESS PRODUCTS.



1. PERFORATIONS IN THE PIPE ARE TO FACE DOWNWARDS.
2. PERFORATED PIPE SHALL BE USED IN THE CURTAIN DRAIN AROUND THE ENTIRE SEPTIC SYSTEM WHICH INCLUDES THE EXPANSION AREA. AT THE END OF THE EXPANSION AREA THE PIPE SHALL BE CHANGED TO SOLID P.V.C. UNTIL THE OUTLET IS AT GRADE. (SEE PLANS FOR LOCATIONS.)

N.T.S



CLEANOUTS SHALL BE PROVIDED WHERE  
INDICATED ON THE DESIGN DRAWINGS  
OR AS ORDERED BY THE ENGINEER



INSERT A SPEED LEVELER™ IN THE END OF ALL OUTLET PIPES IN THE DISTRIBUTION BOX.  
ROTATE UNTIL EFFLUENT ENTERS ALL OUTLETS EQUALLY.  
COMPENSATES FOR UP TO 1-1/4" DIFFERENCE IN PIPE END ELEVATIONS.  
FITS ALL 4" SMOOTH WALL AND CORRUGATED PIPES.

MFG.: WOODARD'S CONCRETE PRODUCTS, INC. (OR EQUAL)  
629 LYBOLT ROAD, BULLVILLE NY 10915 (914) 361-3471



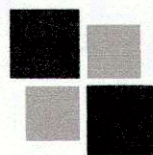
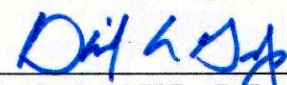
1. THIS DESIGN COMPLIES WITH AND MUST BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT ELJEN NEW YORK DESIGN AND INSTALLATION MANUAL.
2. ELJEN PROVIDED GEOTEXTILE COVER FABRIC SHALL PROVIDE PROPER TENSION AND ORIENTATION OF THE FABRIC AROUND THE SIDES OF THE PERFORATED PIPE ON TOP OF THE GSF MODULES. FABRIC SHALL BE NEITHER TOO LOOSE, NOR TOO TIGHT. THE CORRECT TENSION OF THE COVER FABRIC IS SET BY:
  - A. SPREADING THE COVER FABRIC OVER THE TOP OF THE MODULE AND DOWN BOTH SIDES OF THE MODULE WITH THE COVER FABRIC TENDED OVER THE TOP OF THE PERFORATED DISTRIBUTION PIPE.
  - B. PLACE SHOVELFULS OF SPECIFIED SAND DIRECTLY OVER THE PIPE AREA ALLOWING THE COVER FABRIC TO FORM A MOSTLY VERTICAL ORIENTATION ALONG THE SIDES OF THE PIPE. REPEAT THIS STEP MOVING DOWN THE PIPE.
3. 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 TO 6 INCHES OF CLEAN LOAM.
4. ANY SYSTEM WHICH IS MORE THAN 18" BELOW FINISH GRADE AS MEASURED FROM THE TOP OF THE MODULE SHALL BE VENTED.



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| NOTES:   | N.T.S.   |
| <ol style="list-style-type: none"> <li>1. AS SHOWN ON THE PLANS, A DIVERSION SWALE SHALL BE CONSTRUCTED UPHILL FROM THE ABSORPTION FIELD AREA TO DIVERT SURFACE RUNOFF AND PREVENT IT FROM ENTERING THE TRENCHES.</li> <li>2. TRENCHES SHALL NOT BE INSTALLED IN WET SOILS.</li> <li>3. TRENCH BOTTOMS SHALL BE LEVEL. SIDES AND BOTTOM OF TRENCHES SHALL BE RAKED PRIOR TO PLACEMENT OF SAND.</li> <li>4. AS SHOWN ON THE PLAN, TRENCHES SHALL BE INSTALLED PARALLEL TO THE GROUND CONTOURS.</li> <li>5. A MINIMUM OF 4 FEET OF UNDISTURBED SOIL SHALL BE MAINTAINED BETWEEN TRENCHES.</li> </ol> | <ol style="list-style-type: none"> <li>6. LATERALS SHALL HAVE ZERO SLOPE.</li> <li>7. A SECTION OF SOLID-WALLED PVC PIPE AT LEAST 2 FEET IN LENGTH SHALL BE INSTALLED TO PROVIDE THE CONNECTION FROM THE DISTRIBUTION BOX TO THE PERFORATED LATERAL. THIS 2-FOOT SECTION SHALL BE BACKFILLED WITH NATIVE SOIL.</li> <li>8. REFER TO DETAIL (THIS SHEET) FOR BACKFILL REQUIREMENTS FOR ELUJN IN-DRAIN UNITS.</li> <li>9. THE TERMINAL ENDS OF ALL LATERALS SHALL BE CAPPED.</li> <li>10. PERFORATIONS IN THE PIPE ARE TO FACE DOWNWARDS.</li> <li>11. THERE MUST BE AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC TANK (OR ANY PUMPING OR DOSING CHAMBER) TO THE HOUSE, ALLOWING SEPTIC GASES TO DISCHARGE THROUGH THE STACK VENT.</li> </ol> |



- NOTES:
1. TANK SHALL BE PRECAST TANK MODEL ST-1250 AS MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS, INC. OR APPROVED EQUAL.
  2. CONCRETE MINIMUM STRENGTH: 4,000 PSI AT 28 DAYS
  3. STEEL REINFORCEMENT: 6"x6"x10 GA STEEL WIRE MESH
  4. CONSTRUCTION JOINT: SEALED WITH BUTYL RUBBER SEALANT OR EQUIVALENT
  5. SEPTIC TANKS SHALL BE INSPECTED PERIODICALLY AND PUMPED EVERY 2-3 YEARS.

|   |                      |                           |
|---|----------------------|---------------------------|
|   |                      |                           |
| 2   | 1/22/20              | FOR PLANNING BOARD REVIEW |
| ISSUE   | DATE                 | DESCRIPTION               |
| <p style="text-align: center;"><b>KNEBEL SUBDIVISION</b></p> <p style="text-align: center;">SECTION 17, BLOCK 1, LOT 41<br/>TOWN OF CHESTER<br/>ORANGE COUNTY, NEW YORK</p>   |                      |                           |
| <p style="text-align: center;"><b>PROFILES &amp; DETAILS</b></p>  |                      |                           |
| <div style="display: flex; align-items: center; justify-content: center;">  <div style="margin-left: 20px;"> <p style="text-align: center;"><b>LEHMAN &amp; GETZ, P.C.</b></p> <p style="text-align: center;"><b>CONSULTING ENGINEERS</b></p> <p style="text-align: center;">PH. 845-986-7737 FAX 845-986-0245<br/>17 RIVER STREET WARWICK, NEW YORK 10990</p> </div> </div> <div style="text-align: center; margin-top: 20px;">  <p>_____<br/>DAVID A. GETZ, P.E.<br/>N.Y.S. LIC. No. 61266</p> </div> |                      |                           |
| DRAWN BY<br>P.R.P.  | CHECKED BY<br>D.A.G. | SCALE<br>AS SHOWN         |
| JOB NO.<br>480.17   | SHEET NO.<br>3 OF 3  |                           |