

LOCATION MAP - TAX MAP SECTION 28

- OWNER:**  
JUHO & ROSELYN KIM  
159 THIRD STREET  
GODEFFROY, NEW YORK, NY 12729
  - TAX MAP NUMBER:**  
SECTION: 28  
BLOCK: 1  
LOT: 38.22
  - LOT AREA:** +/- 8.24 ACRES
  - FLOOD ELEVATION AND TOPOGRAPHIC INFORMATION** TAKEN FROM A MAP PREPARED BY JAMES A. DILLIN, PLS, DATED JULY 15, 2019 TITLED "ELEVATION SURVEY MAP", AND FURTHER IDENTIFIED AS DRAWING FILE NO. 18-132.
  - SURVEY INFORMATION** TAKEN FROM A MAP PREPARED BY CONRAD, CLOSE & EWALD, PLS, PC, TITLED "LOT IMPROVEMENT SUBDIVISION PREPARED FOR JUHO KIM" DATED JUNE 25, 2019, AND FURTHER IDENTIFIED AS DRAWING NO. 11345-B.
- MAP IS NOT TO BE CONSTRUED AS A SURVEY MAP FOR CONVEYANCE PURPOSES.
- CONTRACTOR SHALL MAINTAIN EROSION CONTROL METHODS (SILT FENCING, ETC.) AT ALL TIMES DURING THE CONSTRUCTION OF THE REPLACEMENT SYSTEM.
- PROPERTY IS LOCATED WITHIN THE TOWN OF DEERPARK HMU ZONING DISTRICT, WITH THE FOLLOWING SETBACK REQUIREMENTS:

	REQUIRED	PROPOSED
LOT WIDTH	200 FT.	392.6 FT. (RT.209)
LOT DEPTH	200 FT.	491.12 FT.
FRONT YARD	35 FT.	48 FT.
REAR YARD	35 FT.	88 FT.
SIDE YARD	35 FT.	19 FT.
MIN. LOT AREA	40,000 SQ. FT.	358,934.4 SQ. FT.
MAX. BUILDING COVERAGE	40%	0.57%
MAX. IMPERVIOUS COVERAGE	70%	3.1%
MAX. BUILDING HT.	75 FT.	< 75 FT.

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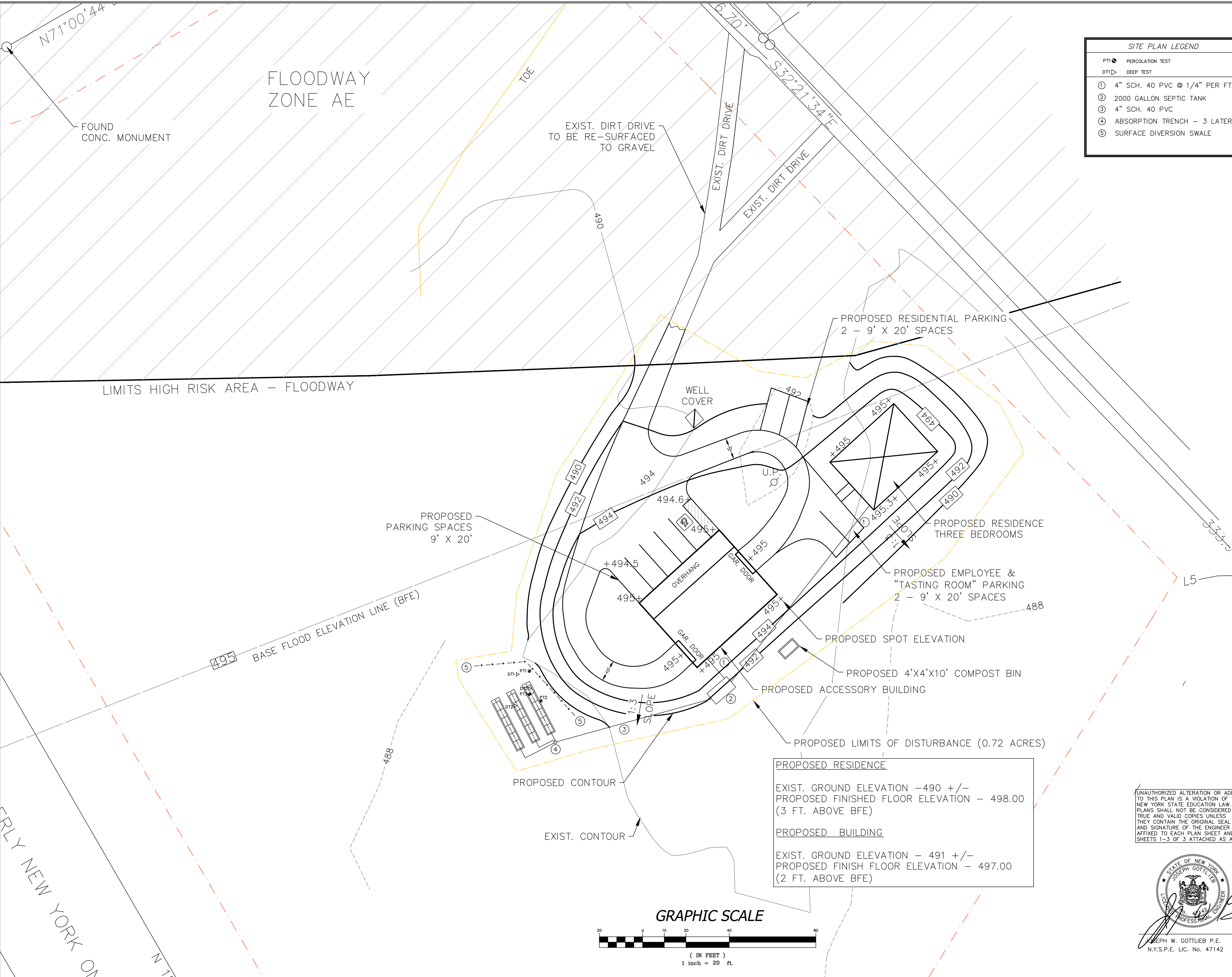


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REVISION: 1	DATE: 11/23/2020 - PLANNING BOARD COMMENTS
<b>LANDS OF JUHO &amp; ROSELYN KIM</b>	
<b>TOWN OF DEERPARK ORANGE COUNTY, N.Y.</b>	
<b>TITLE: SITE PLAN PROPOSED RESIDENCE &amp; WINERY</b>	
DRAWN BY: TEG	CHECKED BY: JWG
DATE: JUNE 19, 2020	SCALE: 1 IN. = 60 FT.
PROJECT NO: <b>18-135</b>	DRAWING NO: <b>1 of 3</b>

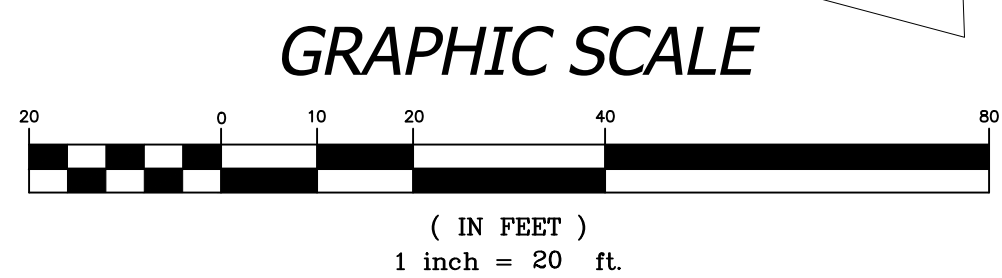
SITE PLAN LEGEND	
PTI	PERCOLATION TEST
DTI	DEEP TEST
①	4" SCH. 40 PVC @ 1/4" PER FT. MIN.
②	2000 GALLON SEPTIC TANK
③	4" SCH. 40 PVC
④	ABSORPTION TRENCH - 3 LATERALS WITH 6 ELJEN IN-DRAIN UNITS EA. ROW
⑤	SURFACE DIVERSION SWALE




**PROPOSED RESIDENCE**  
 EXIST. GROUND ELEVATION - 490 +/-  
 PROPOSED FINISHED FLOOR ELEVATION - 498.00  
 (3 FT. ABOVE BFE)

**PROPOSED BUILDING**  
 EXIST. GROUND ELEVATION - 491 +/-  
 PROPOSED FINISH FLOOR ELEVATION - 497.00  
 (2 FT. ABOVE BFE)

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 Phone: 845.794.5506 FAX: 845.794.5530 E-mail: gotteng@verizon.net P.O. Box 76 Monticello, New York 12701-0076	
PROJECT: <b>LANDS OF JUHO &amp; ROSELYN KIM</b>	
TOWN OF DEERPARK ORANGE COUNTY, N.Y.	
TITLE: <b>SITE PLAN ENLARGED VIEW</b>	
DRAWN BY: TEG	CHECKED BY: JWG
DATE: JUNE 19, 2020	SCALE: 1 IN. = 20 FT.
PROJECT NO:	DRAWING NO:
<b>18-135</b>	<b>2 of 3</b>

SOILS PERCOLATION TESTS					
LOT & TEST NO.	RUN #	DEPTH (IN.)	TOTAL TIME (MIN./SEC.)	STABILIZED RATE (MIN./SEC.)	
PT 1	1	24	1:05		
7/25/2019	2		1:07		
	3		1:09	1:09	
PT 2	1		0:55		
8/24/2019	2		1:27		
	3		1:30	1:30	
PT-3	1	24	2:28		
10/15/2020	2		2:33		
	3		3:12	3:12	

DEEP TESTS		
TEST PIT #1	TEST PIT #2	TEST PIT #3
8/2/2019	8/2/2019	10/15/2020
3" GRASSES/ROOTS 3" 50" R.O.B. GRAVELS & ROCKS NO MOTTLING, GROUNDWATER OR BEDROCK	3" GRASSES/ROOTS 3" 50" R.O.B. GRAVELS & ROCKS NO MOTTLING, GROUNDWATER OR BEDROCK	3" GRASSES/ROOTS 3" 50" R.O.B. GRAVELS & ROCKS NO MOTTLING, GROUNDWATER OR BEDROCK

**SOILS TESTS NOTES:**

- TESTS WERE CONDUCTED ON THE DATED NOTED BY JOSEPH GOTTLIEB, P.E., P.C.
- PERCOLATION TESTS TIMED WITH A STOP WATCH.

**DESIGN NOTES:**

DESIGN FLOW = 450  
RESIDENCE = 330 GPD  
ACCESSORY BUILDING = 150 GPD (0.1 GPD/SQ. FT.)  
STABILIZED PERCOLATION RATE: 1-5 MIN./IN.  
APPLICATION RATE: 1.20 G.P.D./SQ.FT.  
REQUIRED ABSORPTIVE AREA:  
DESIGN FLOW/APPLICATION RATE, OR  
480 GPD/1.20 GPD/SQ. FT. = 400 SQ. FT.  
USING ELEN IN-DRAIN UNITS @ 24 SQ. FT. PER UNIT THE REQUIRED NUMBER OF ELEN IN-DRAIN UNITS IS CALCULATED AS FOLLOWS:  
400 SQ. FT./24 SQ. FT. PER UNIT = 16.67 UNITS, OR A TOTAL OF 18 UNITS. DESIGN SPECIFIES THREE ROWS OF 6 ELEN IN-DRAIN UNITS EA. ROW

**SEWAGE DISPOSAL SYSTEM SPECIFICATIONS**

- 1000 SEPTIC TANK**
- PROVIDE AND INSTALL ONE PRECAST CONCRETE SEPTIC TANK, AS MANUFACTURED BY WOODARD'S CONCRETE PRODUCTS, INC. OR APPROVED EQUAL.
  - TANK SHALL BE PROVIDED WITH TWO (2) 24" DIAMETER RISERS AS MANUFACTURED BY "POLYLOK", OR APPROVED EQUAL.
  - TANK TO BE PROVIDED WITH WATERTIGHT POLYETHYLENE PIPE SEALS REQUIRING NO ADDITIONAL SEALING OR MORTARING.
  - TANKS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  - BACKFILL AS PER MANUFACTURER'S SPECIFICATIONS

**DISTRIBUTION DEVICES**

DISTRIBUTION DEVICE SHALL BE PRECAST REINFORCED CONCRETE CONFORMING TO THE TYPE, SIZE AND DIMENSIONS SPECIFIED ON THE DRAWINGS, AS MANUFACTURED BY "WOODARD'S CONCRETE PRODUCTS, INC.", OR APPROVED EQUAL.

BAFFLES AND FLOW LEVELING DEVICES SHALL BE INSTALLED

**PIPE AND FITTINGS**

PIPING BETWEEN SEPTIC TANK AND INTERIOR PLUMBING SHALL BE SCHEDULE 80 PVC.

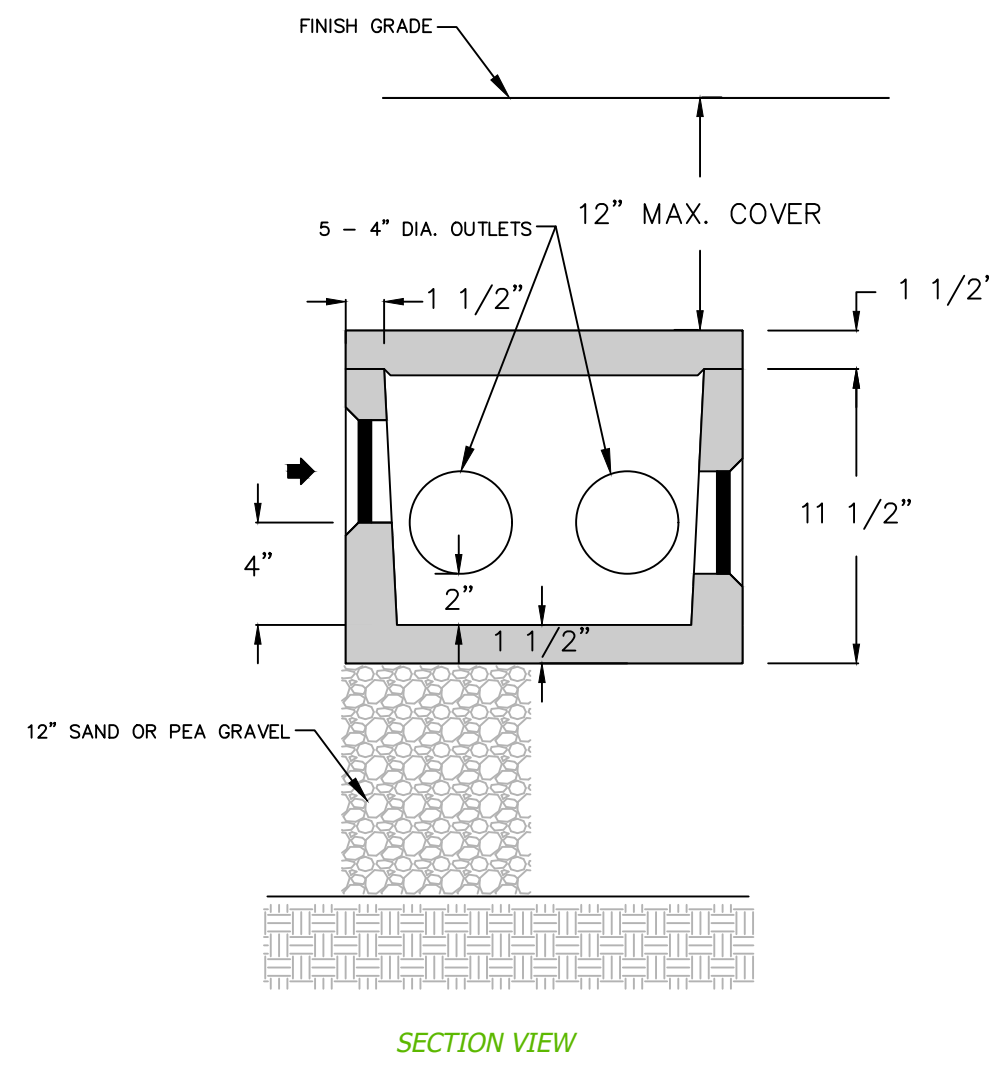
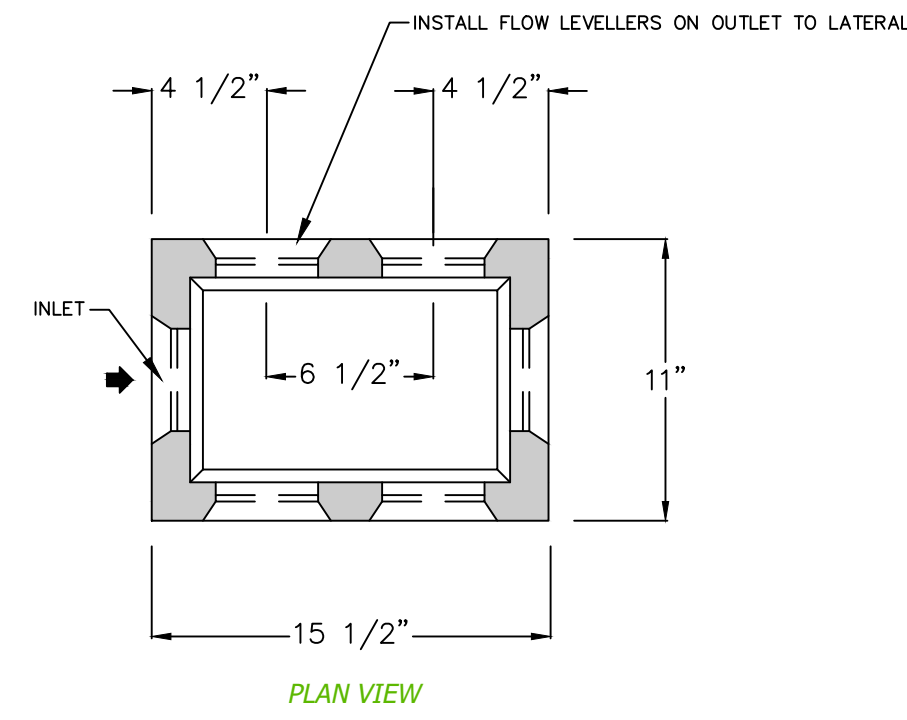
4" PERFORATED PIPING IN ABSORPTION TRENCHES SHALL BE CO-EXTRUDED SMOOTH WALL PVC DRAIN PIPE (PERFORATED), AS MANUFACTURED BY "HANCOR", OR APPROVED EQUAL.

**GRAVEL LESS ABSORPTION UNIT SPECIFICATIONS**

CONTRACTOR SHALL SUPPLY "ELEN IN-DRAIN", TYPE B GRAVEL LESS ABSORPTION UNITS IN ACCORDANCE WITH THE NUMBER SPECIFIED ELSEWHERE ON THE PLANS. THE UNITS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION. UNITS SHALL BE SUPPLIED AS A COMPLETE PACKAGE, INCLUDING IN-DRAIN, GEOTEXTILE FABRIC, WIRE CLAMPS, PIPING, ETC.

CONCRETE SAND FOR BACK FILLING PURPOSES SHALL MEET ASTM C-33 STANDARDS. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH SUPPLIER'S CERTIFICATION REGARDING MEETING THE SPECIFICATION.

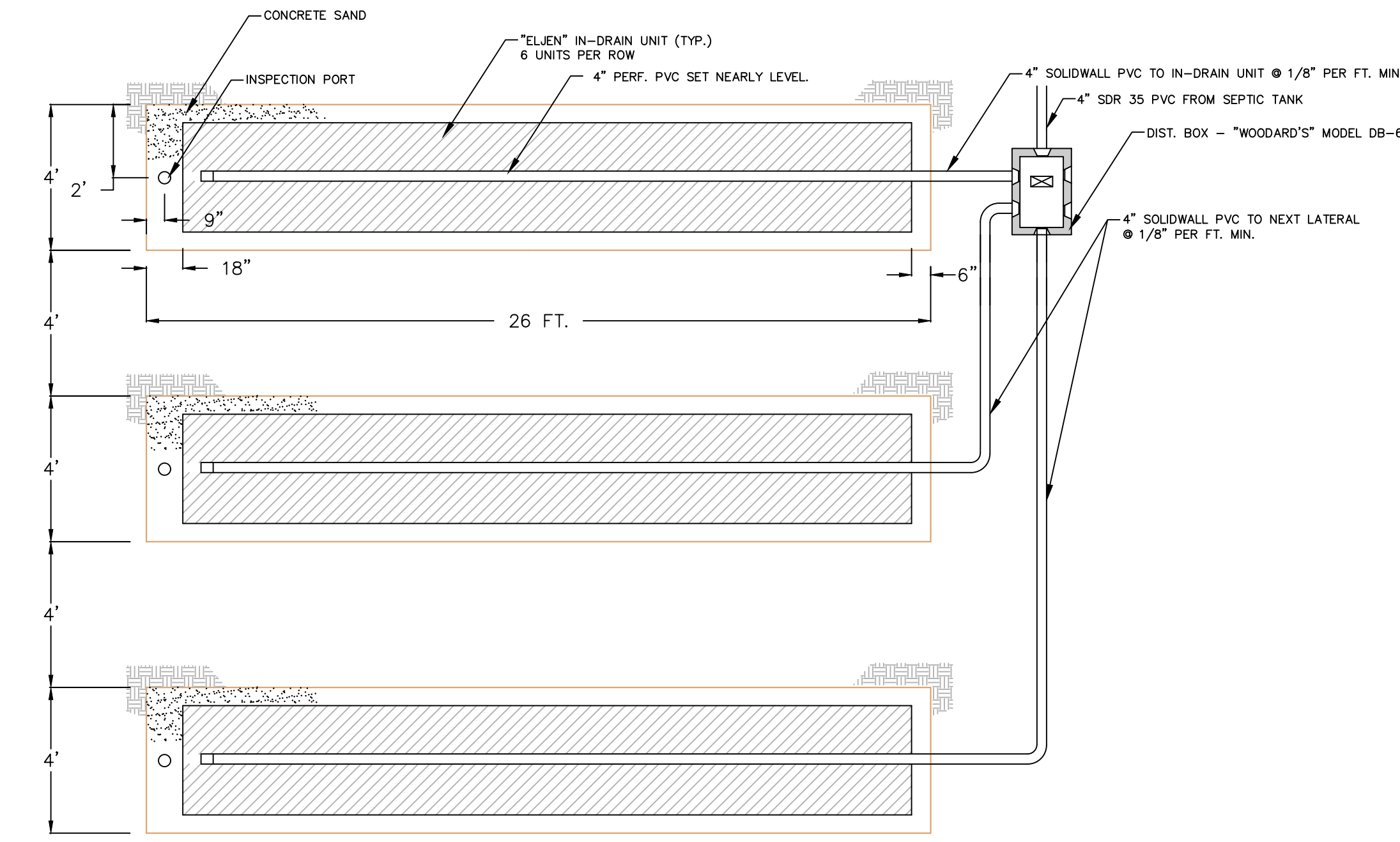
SUPPLIER - WOODARD'S CONCRETE PRODUCTS, INC.



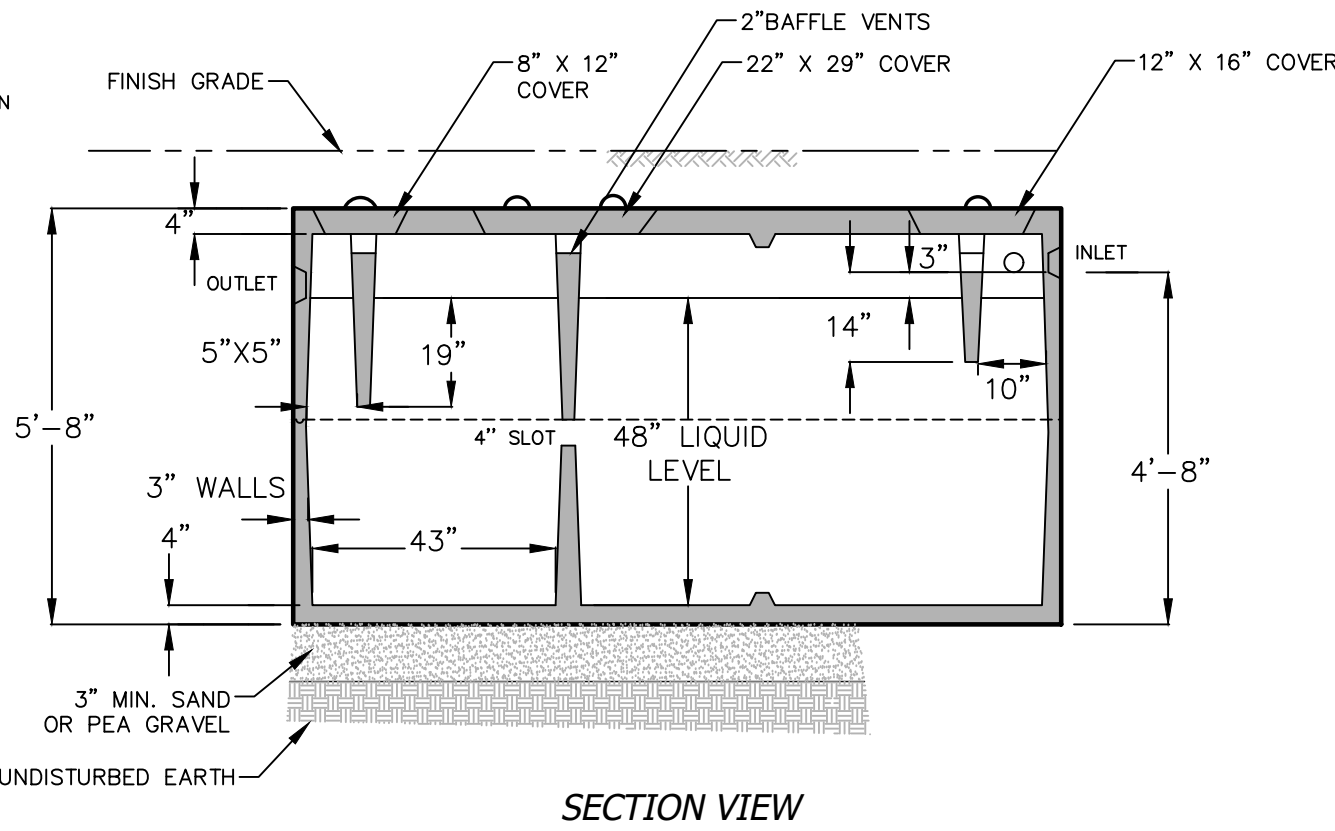
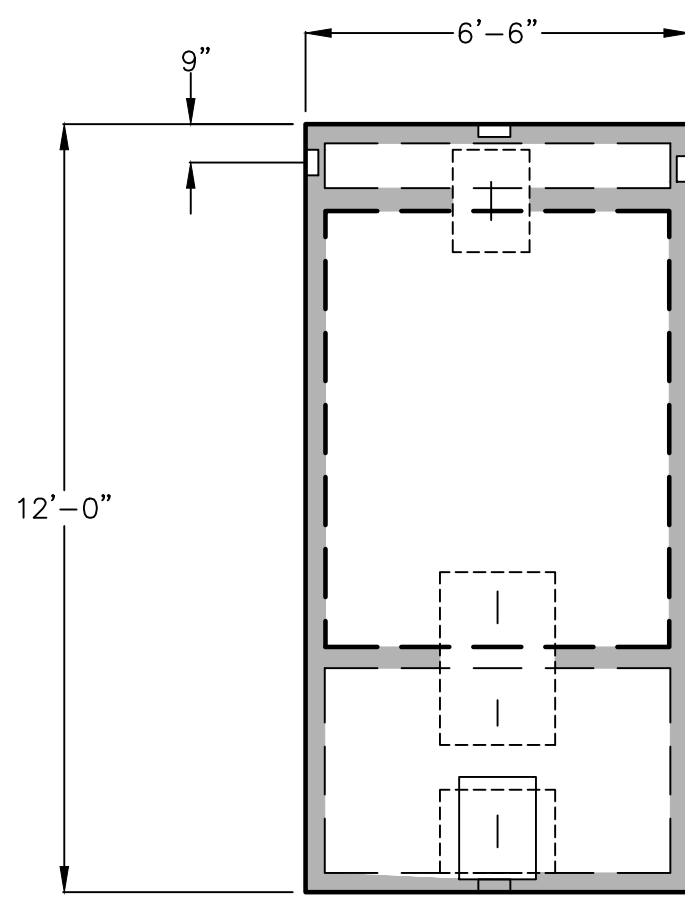
**DISTRIBUTION BOX DETAIL**  
SCALE: NONE

**DROP BOX NOTE:**

- ALL PIPE OPENINGS SHALL BE PRECAST WITH WATERTIGHT POLYETHYLENE PIPE SEALS REQUIRING NO ADDITIONAL SEALING OR MORTARING.
- ALL UNUSED OUTLETS SHALL REMAIN PLUGGED.
- PRECAST DROP BOX MODEL DB-6DB/5 OUTLET DROP BOX, BY "WOODARD'S CONCRETE PRODUCTS, INC.", O.E.
- PIPE SLOPES BETWEEN BOXES SHALL CONFORM TO GROUND SLOPE WHILE MAINTAINING MINIMUM COVER DEPTHS ABOVE THE ABSORPTION TRENCH PIPING.
- A BRICK, CONCRETE BLOCK OR CAST IN PLACE BAFFLE SHALL BE INSTALLED IN THE CONCRETE BOX.



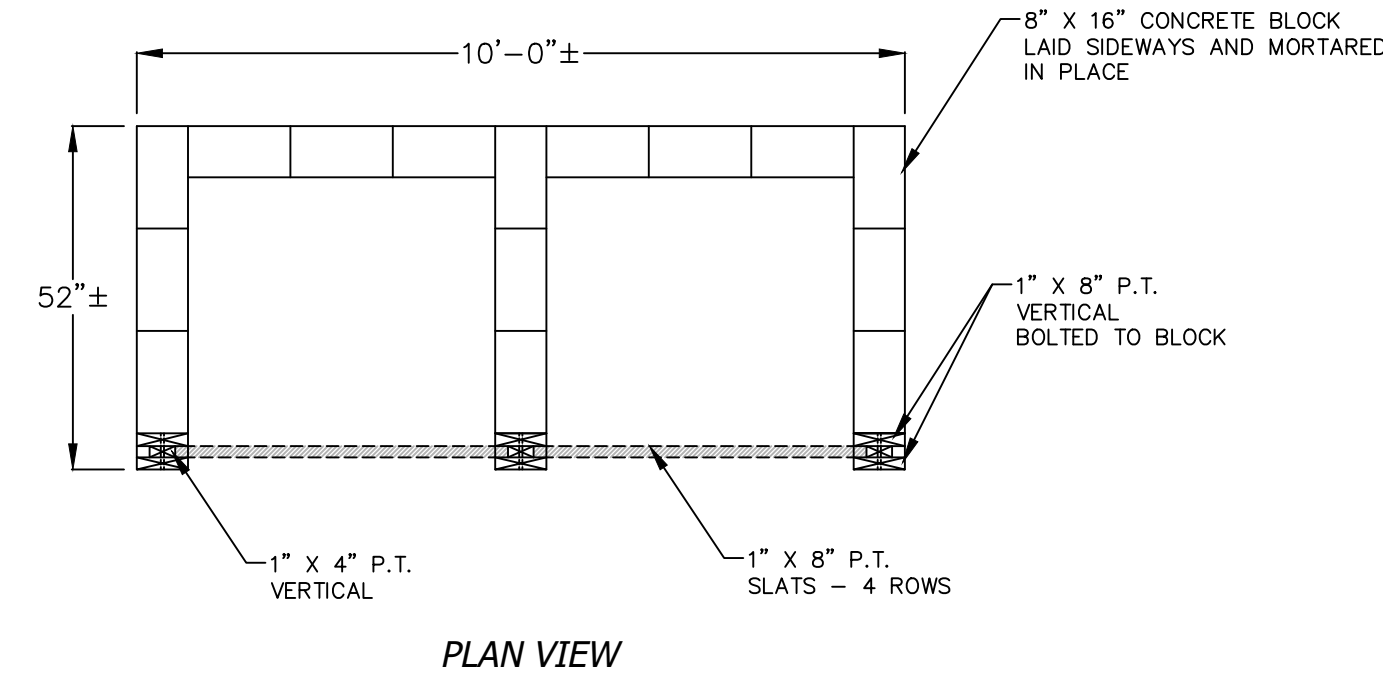
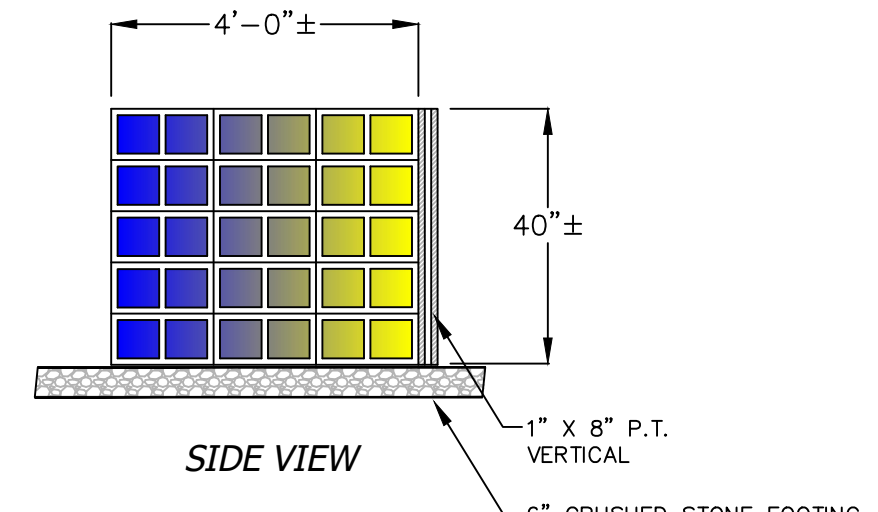
**ABSORPTION TRENCH - PLAN VIEW**  
SCALE: NONE



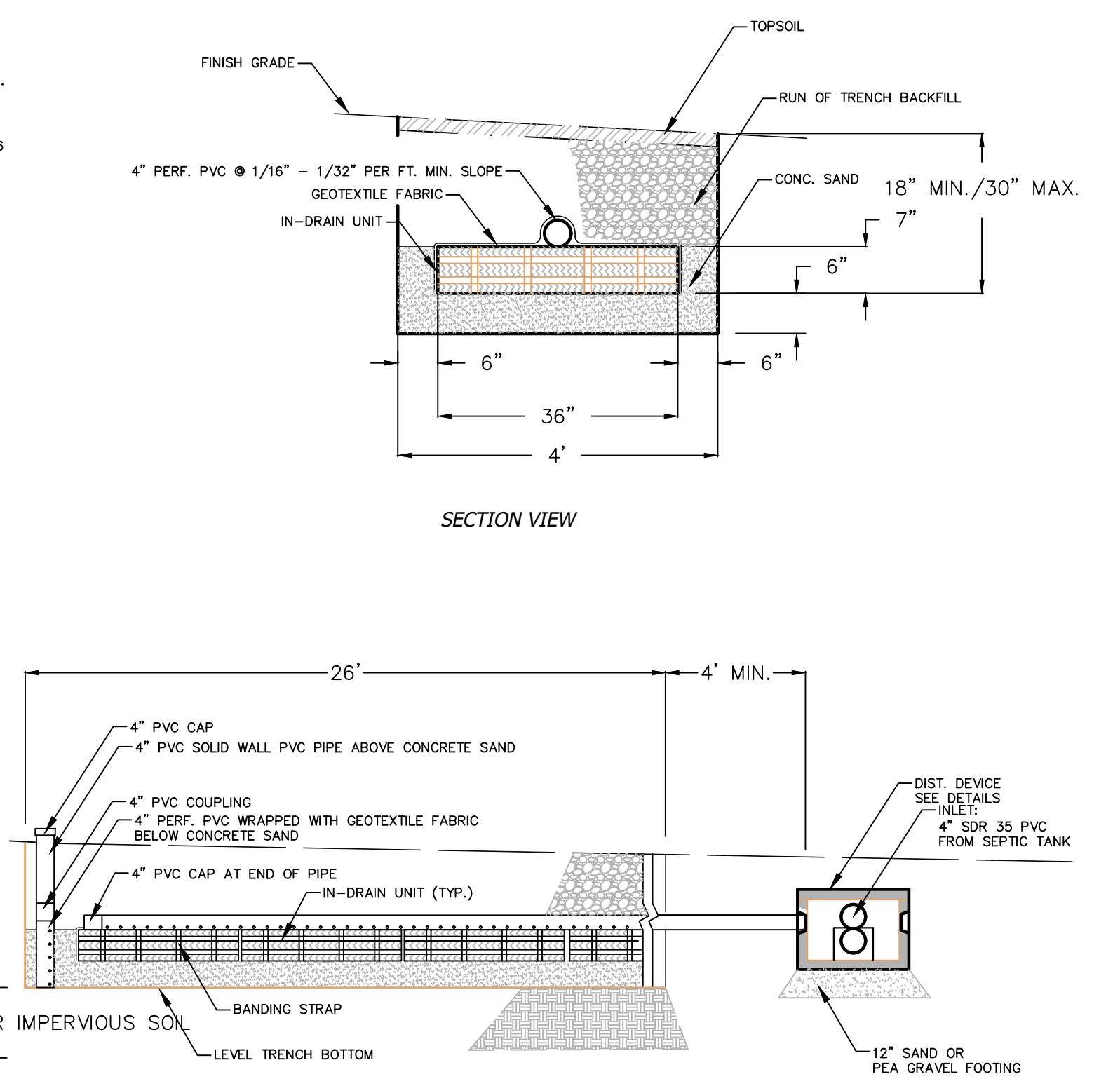
**2000 GALLON SEPTIC TANK DETAIL**  
SCALE: NONE

- SEPTIC TANK NOTE:**
- CONCRETE MINIMUM STRENGTH SHALL BE 4,000 PSI IN 28 DAYS.
  - STEEL REINFORCEMENT - #4 REBAR - 6X6X10 W/M
  - AIR ENTRAINMENT - 5%
  - CONSTRUCTION JOINT SEALED WITH BUTYL RUBBER CEMENT AND TESTED FOR WATERTIGHTNESS PRIOR TO BACKFILLING.
  - SEPTIC TANK TO BE PRECAST WITH WATERTIGHT POLYETHYLENE PIPE SEALS (POLYLOK SEALS) REQUIRING NO ADDITIONAL SEALING OR MORTARING.
  - OWNER HAS THE OPTION OF INSTALLING A SEPTIC TANK EFFLUENT FILTER IN THE OUTLET OF THE SEPTIC TANK. FILTER AS MANUFACTURED BY "ORENCO", O.E. IF THE FILTER IS INSTALLED, A RISER AND C.I./HDPE LOCKABLE COVER MUST BE INSTALLED ON THE SEPTIC TANK OVER THE OUTLET ACCESS COVER.
  - SEPTIC TANK AS MANUFACTURED BY "WOODARD'S CONCRETE PRODUCTS, INC., OR APPROVED EQUAL, MODEL ST-2000.

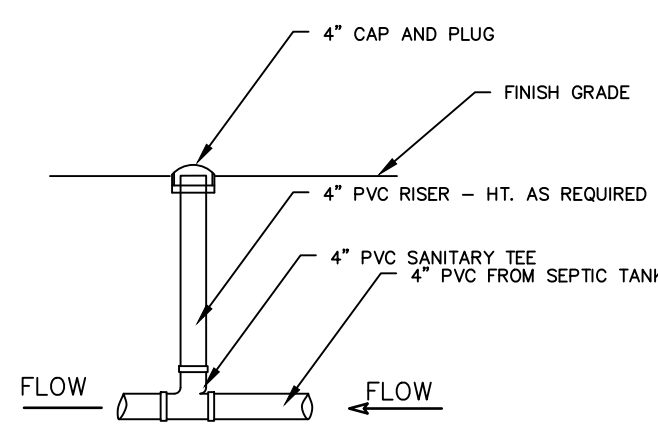
ASTM C33 SAND SPECIFICATION		
SIEVE SIZE	SIEVE SQUARE OPENING SIZE	SPECIFICATION PERCENT PASSING (WET SIEVE)
0.375"	9.5 MM	100.0 - 100.0
#4	4.75 MM	95.0 - 100.0
#5	2.36 MM	80.0 - 100.0
#16	1.18 MM	50.0 - 85.0
#30	600µm	25.0 - 60.0
#50	300µm	5.0 - 30.0
#100	150µm	<10.0
#200	75µm	<5.0



**COMPOST BIN DETAIL**  
SCALE: NONE

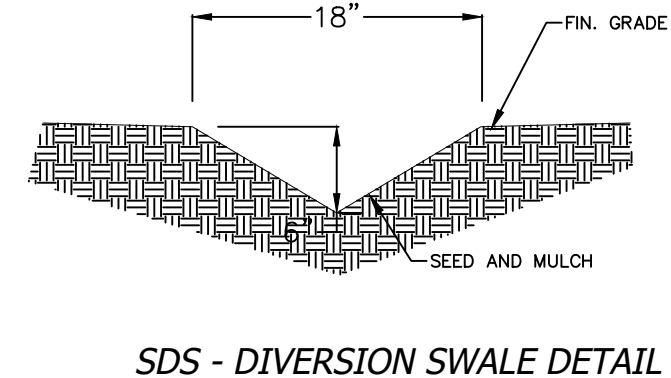


**ABSORPTION TRENCH - SECTION VIEW**  
SCALE: NONE



**GRAVITY SEWER LINE CLEAN-OUT DETAIL**  
SCALE: NONE

- NOTE:**
- CLEAN-OUTS TO BE PROVIDED AT ALL CHANGES OF DIRECTION AND AT 75 FEET INTERVALS.

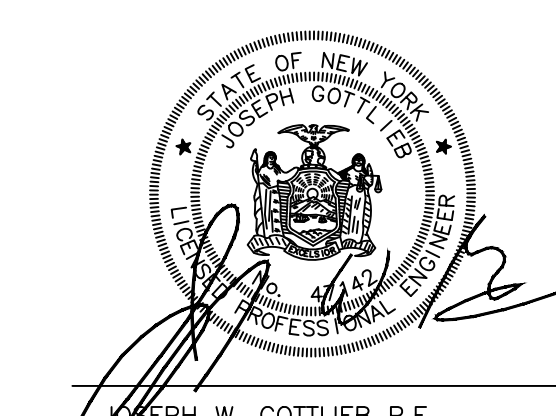


**SDS - DIVERSION SWALE DETAIL**  
SCALE: NONE

SEWAGE DISPOSAL SYSTEM CONSTRUCTION ELEVATIONS	
L.S.E.*	493.37
SEPTIC TANK IN	493.17
SEPTIC TANK OUT	494.92
DIST. BOX INLET	489.17
DIST. BOX OUTLET	489.00

\* - ACTUAL LSE IS ESTIMATED AND WILL BE DETERMINED IN THE FIELD

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PROJECT: **LANDS OF JUHO & ROSELYN KIM**

**TOWN OF DEERPARK ORANGE COUNTY, N.Y.**

TITLE: **SEWAGE DISPOSAL SYSTEM CONSTRUCTION DETAILS**

DRAWN BY: TEG	CHECKED BY: JWG
DATE: JUNE 19, 2020	SCALE: NONE
PROJECT NO: 18-135	DRAWING NO: 3 of 3