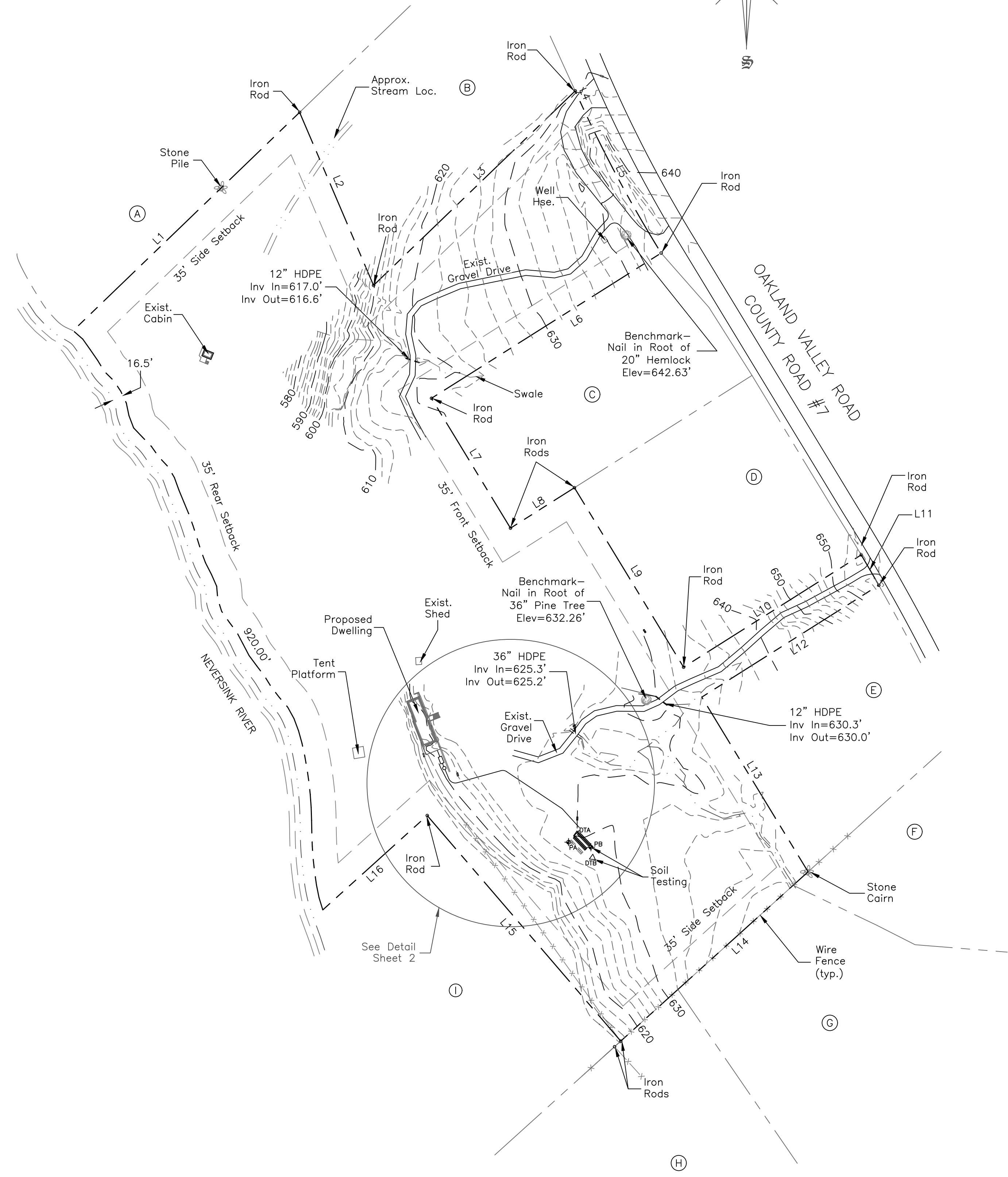
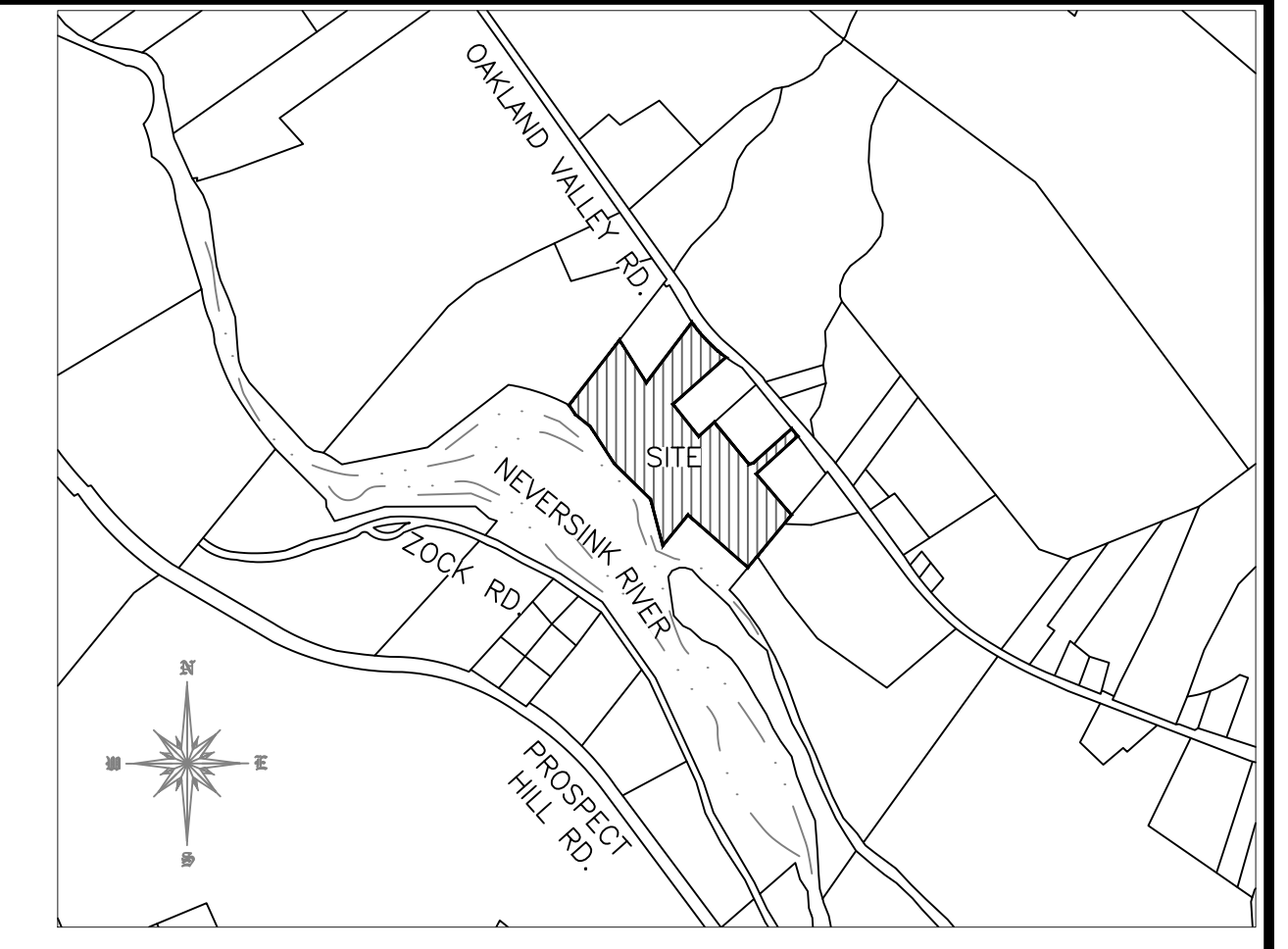


**LEGEND**

- Property Line
- - - Setback Line
- 620 --- Existing Contours
- Stone Wall
- ~ ~ ~ Neversink River
- x-x-x-x-x- Wire Fence
- Existing Dwelling
- Proposed Dwelling
- Existing Tree
- Property Markers
- DTA, p5 Approx. Location of Soil Testing
- Proposed Septic



**Adjoiner's List**

Ref.	Lands N/F	Tax Map #	Liber-Page
A	Mills	20-1-65.22	14150-1620
B	Henderson	20-1-64.11	3807-132
C	Wenger	20-1-64.12	11746-818
D	Haas	20-1-64.2	4596-317
E	Reily	20-1-64.13	5763-119
F	WRI Prop. Mgmt.	20-1-63	14132-678
G	Breitweiser	20-1-62.12	13731-1469
H	County of Orange	20-1-62.21	2269-998
I	County of Orange	20-1-66.12	2125-167

**Bearing, Arc & Distance Chart**

Line Ref.	Bearing/Radius	Distance/Arc Length
L1	N 46°02'00" E	449.15'
L2	S 23°08'00" E	268.72'
L3	N 46°02'00" E	400.00'
L4	S 24°31'46" E	16.78'
L5	R=1935.08'	L=243.40'
L6	S 57°41'00" W	387.96'
L7	S 31°18'21" E	217.06'
L8	N 57°41'00" E	108.00'
L9	S 31°18'21" E	300.00'
L10	N 57°41'00" E	300.00'
L11	R=2844.93'	L=50.04'
L12	S 57°41'00" W	298.98'
L13	S 31°18'21" E	292.01'
L14	S 47°53'00" W	360.56'
L15	N 40°37'00" W	424.40'
L16	S 47°53'00" W	200.98'

**General notes:**

- Tax map data: Section 20, Block 1, Lot 64.14
- Total acreage: 15.92± acres
- Boundary, topography, and location of existing features taken from a plan entitled, "Survey Map of Land Prepared for Galligan", by Conrad, Close & Ewald, P.L.S., P.C., last dated August 27, 2019.
- All features shown are existing unless otherwise noted.
- All existing wells and septic systems within 200 feet of proposed sewage disposal system are shown.
- Owners:
 

Owen Wright 170 Tillary Street 504 Brooklyn, NY 11201	Christopher Baker 170 Tillary Street 504 Brooklyn, NY 11201
Darren Cox 170 Tillary Street 504 Brooklyn, NY 11201	Adam Davidson 170 Tillary Street 504 Brooklyn, NY 11201

**Bulk Table Requirements  
Zone: RR Rural Residential**

Minimum	Required	Provided
Lot Area:	1 acre	15.92± acres
Lot Width:	200 ft.	1320.8± ft.
Lot Depth:	200 ft.	770.9± ft.
Front Yard:	35 ft.	343.8± ft.
Rear Yard:	35 ft.	168.2± ft.
Side Yard:	35 ft.	98.2± ft.
Floor Area:	1,000 s.f.	> 1,000 s.f.
<b>Maximum</b>		
Bldg. Coverage:	20 %	< 20 %
Imp. Coverage:	70 %	< 70 %
Building Height:	35 ft.	< 35 ft.

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THESE PLANS, SPECIFICATIONS OR REPORTS IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.

**SITE PLAN FOR OWEN WRIGHT**

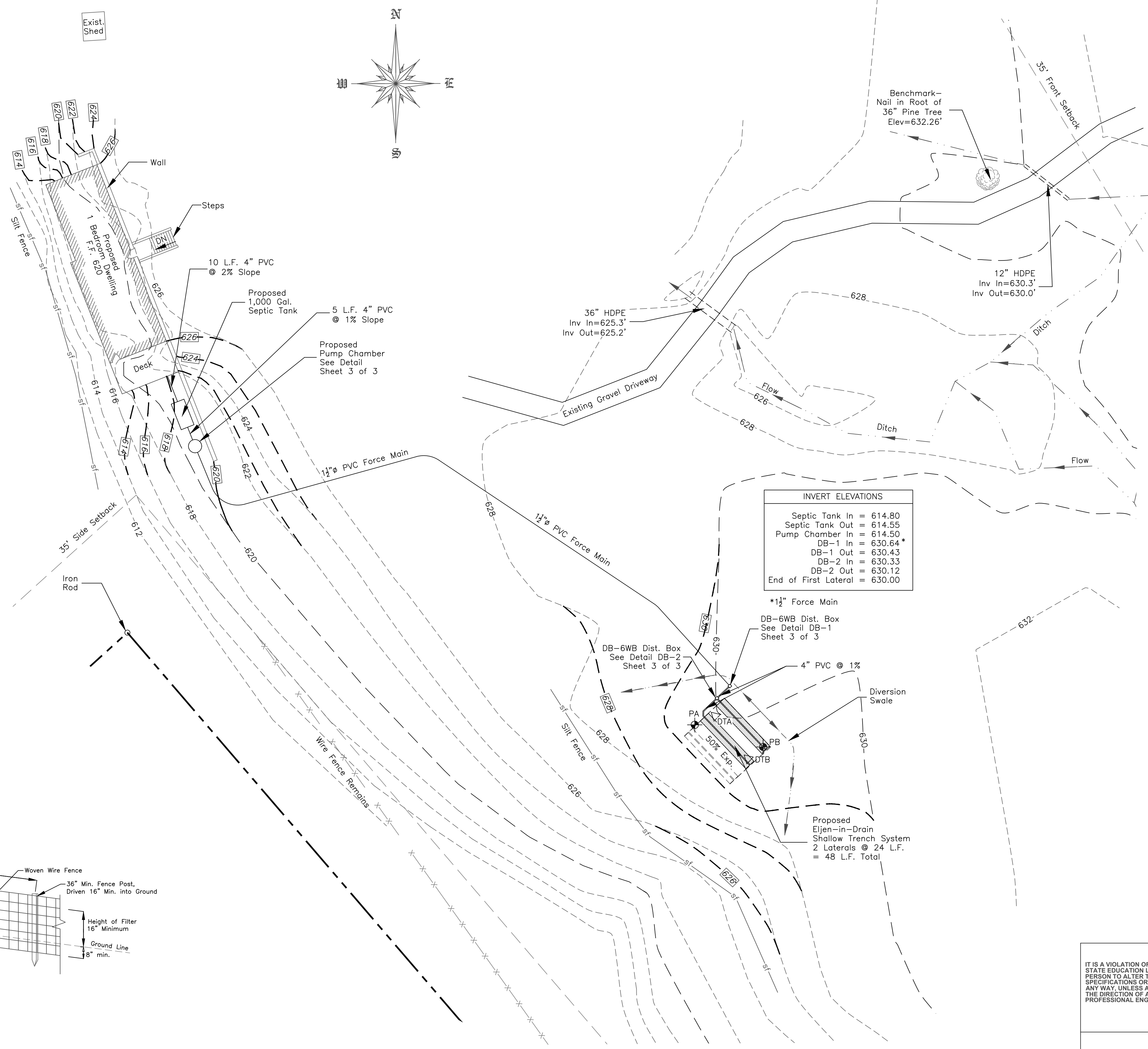
TOWN OF DEERPARK ORANGE COUNTY, NY

**DeWINTER ENGINEERING P.C.**  
170 Sullivan Street  
P.O. Box 909  
Wurtsboro, New York 12790  
Phone No. (845) 888-2722 Fax No. (845) 888-2735  
dewintereng@frontiernet.net

<b>DATE</b> 10/26/19	<b>SCALE</b> 1"=100'	<b>DESIGNED BY:</b> J.T.D. <b>DRAWN BY:</b> D.L. <b>CHECKED BY:</b>	<b>FILE No.</b> 19 0154	<b>1 OF 3</b>
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**LEGEND**

- Property Line
- Setback Line
- Existing Contours
- Proposed Septic Tank
- Proposed Pump Chamber
- Proposed Silt Fence
- Wire Fence
- Existing Tree
- Proposed Dwelling
- Property Marker
- Proposed Septic Area
- Approx. Location of Soil Testing
- Proposed Grading



- General notes:
- Tax map data: Section 20, Block 1, Lot 64.14
  - Total acreage: 15.92± acres
  - Boundary, topography, and location of existing features taken from a plan entitled, "Survey Map of Land Prepared for Galligan", last dated August 27, 2019.
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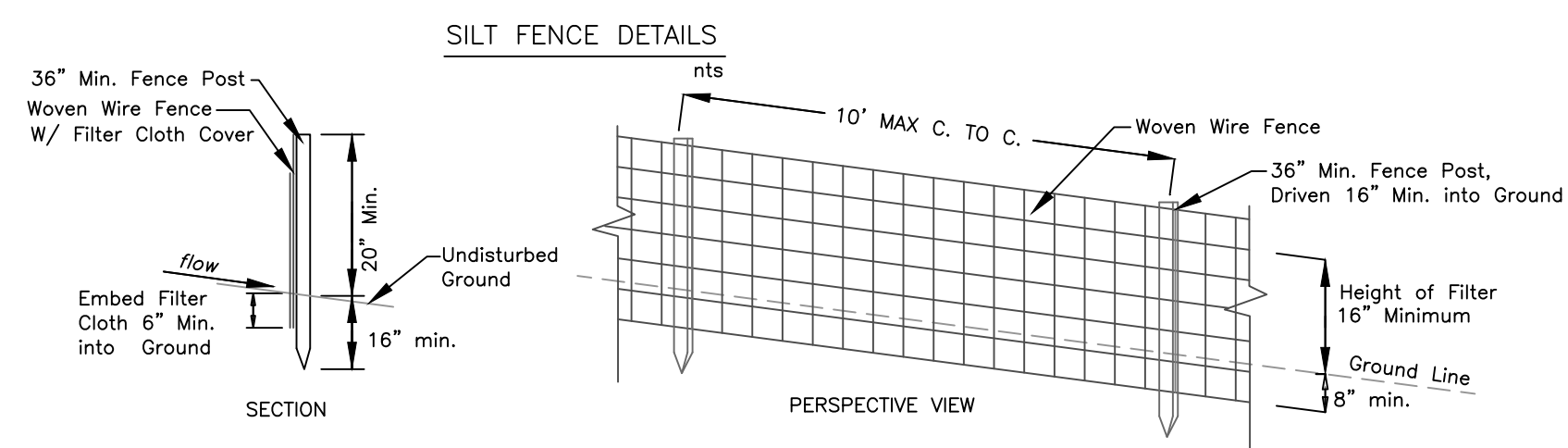
Owen Wright 170 Tillary Street 504 Brooklyn, NY 11201	Christopher Baker 170 Tillary Street 504 Brooklyn, NY 11201
Darren Cox 170 Tillary Street 504 Brooklyn, NY 11201	Adam Davidson 170 Tillary Street 504 Brooklyn, NY 11201

**INVERT ELEVATIONS**

Septic Tank In	= 614.80
Septic Tank Out	= 614.55
Pump Chamber In	= 614.50
DB-1 In	= 630.64*
DB-1 Out	= 630.43
DB-2 In	= 630.33
DB-2 Out	= 630.12
End of First Lateral	= 630.00

**Bulk Table Requirements**  
Zone: RR Rural Residential

Minimum	Required	Provided
Lot Area:	1 acre	15.92± acres
Lot Width:	200 ft.	1320.8± ft.
Lot Depth:	200 ft.	770.9± ft.
Front Yard:	35 ft.	343.8± ft.
Rear Yard:	35 ft.	168.2± ft.
Side Yard:	35 ft.	98.2± ft.
Floor Area:	1,000 s.f.	> 1,000 s.f.
<b>Maximum</b>		
Bldg. Coverage:	20 %	< 20 %
Imp. Coverage:	70 %	< 70 %
Building Height:	35 ft.	< 35 ft.



- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
- Woven wire fence to be fastened securely to fence post with wire ties or staples.
  - Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
  - When two sections of filter cloth adjoin each other they shall be overlapped by 6" and folded.
  - Maintenance shall be performed as needed and material removed when 'bulges' develop in the silt fence.
- POST: Steel either 'T' or 'U' type or 2" hardwood  
 FENCE: woven wire, 14 1/2 Ga. 6" max. mesh opening  
 FILTER CLOTH: filter X, Mirafi 100x, Stabilinka T140N or approved equal  
 PREFABRICATED UNIT: Geofab, Envirofence, or approved equal.

**SILT FENCE DETAIL**

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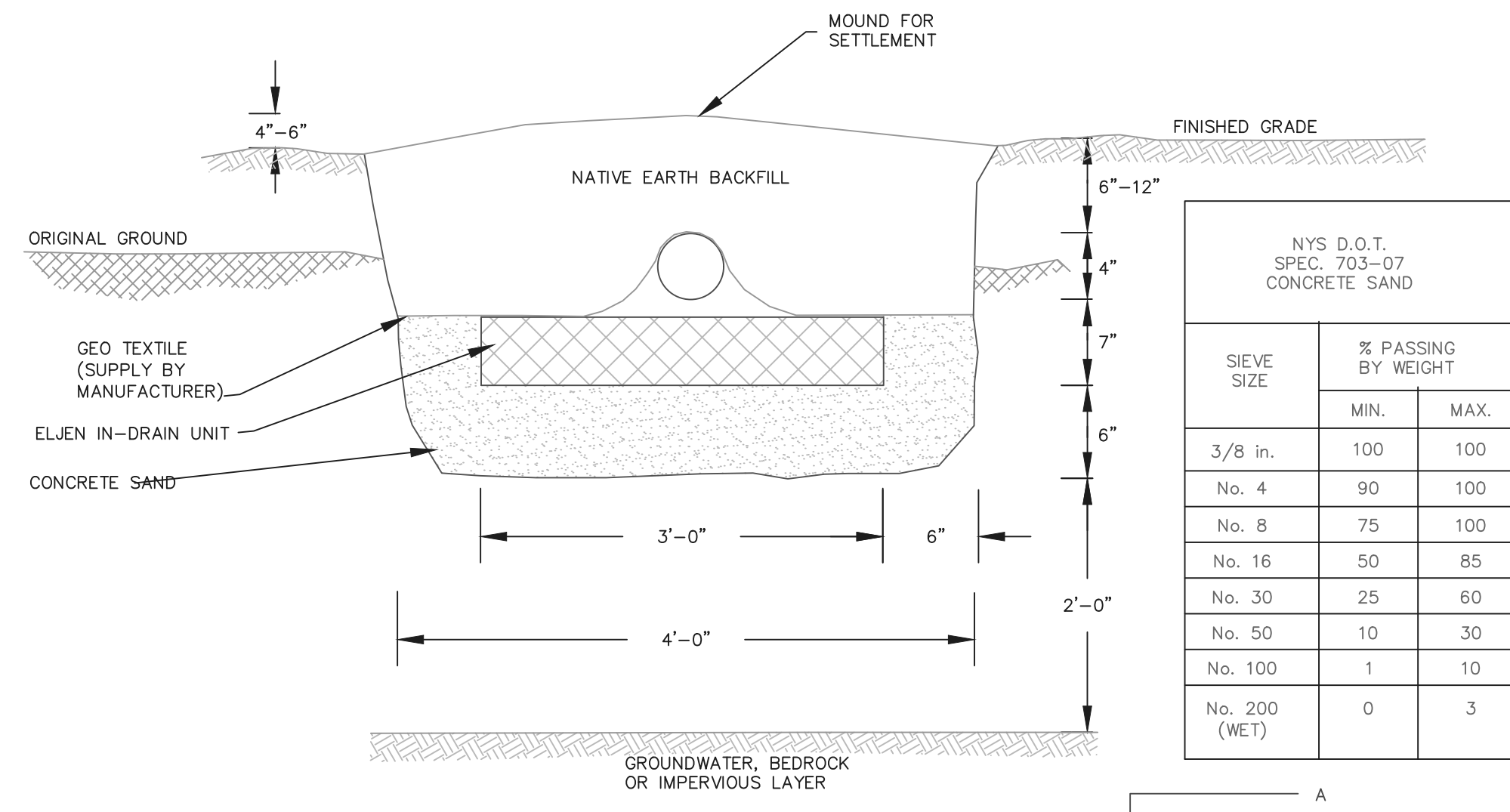
**SITE PLAN DETAILS FOR OWEN WRIGHT**

TOWN OF DEERPARK      ORANGE COUNTY, NY

**DeWINTER ENGINEERING P.C.**

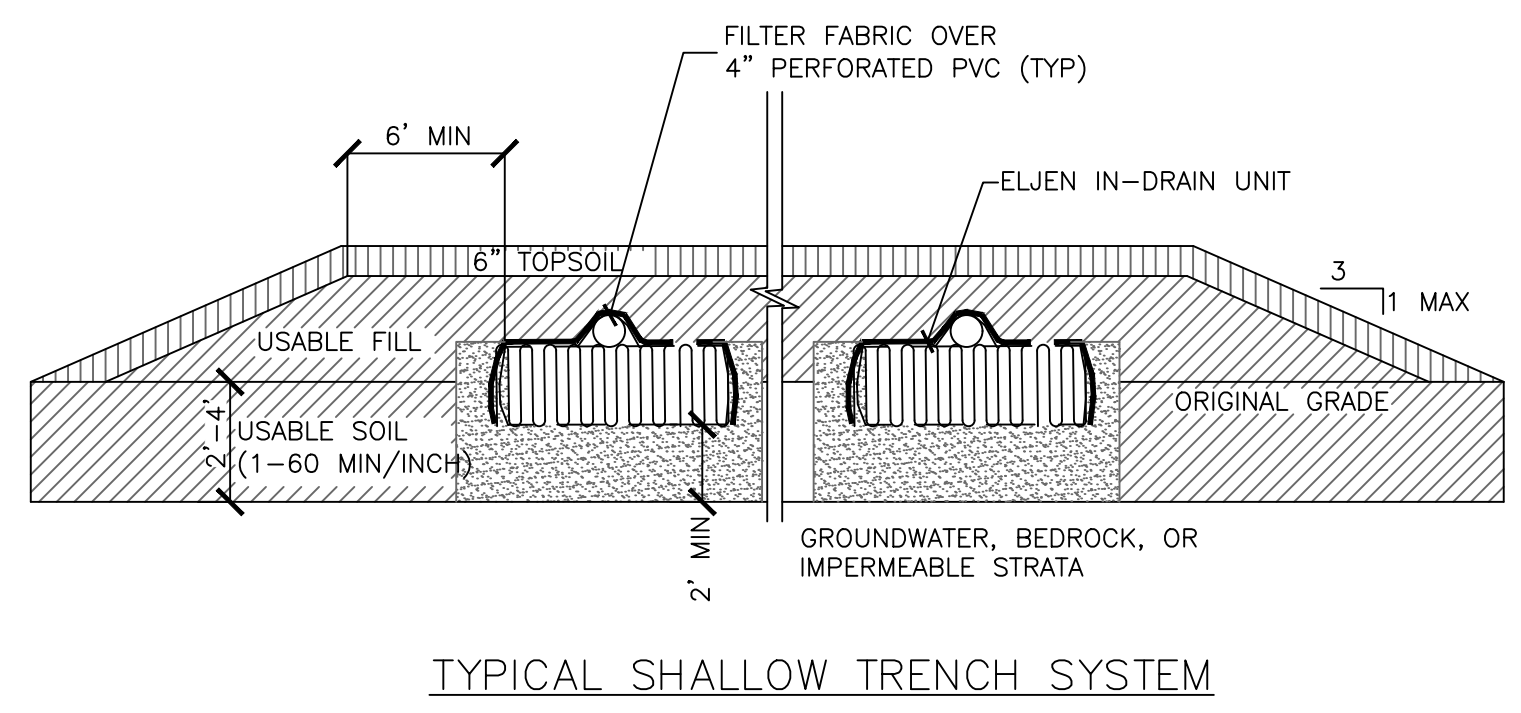
170 Sullivan Street  
 P.O. Box 909  
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DATE	SCALE	DESIGNED BY: J.T.D.	FILE No.
10/26/19	1"=20'	D.L.	19 0154
		CHECKED BY:	2 OF 3

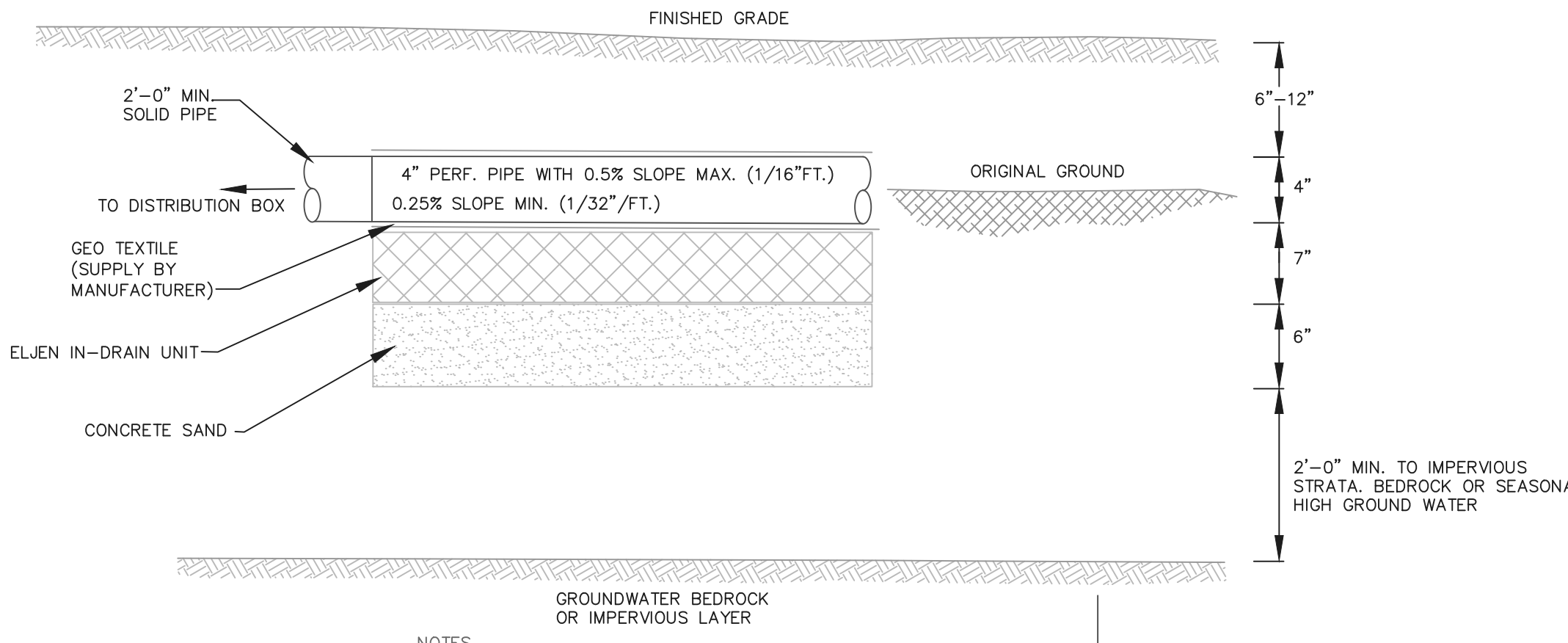
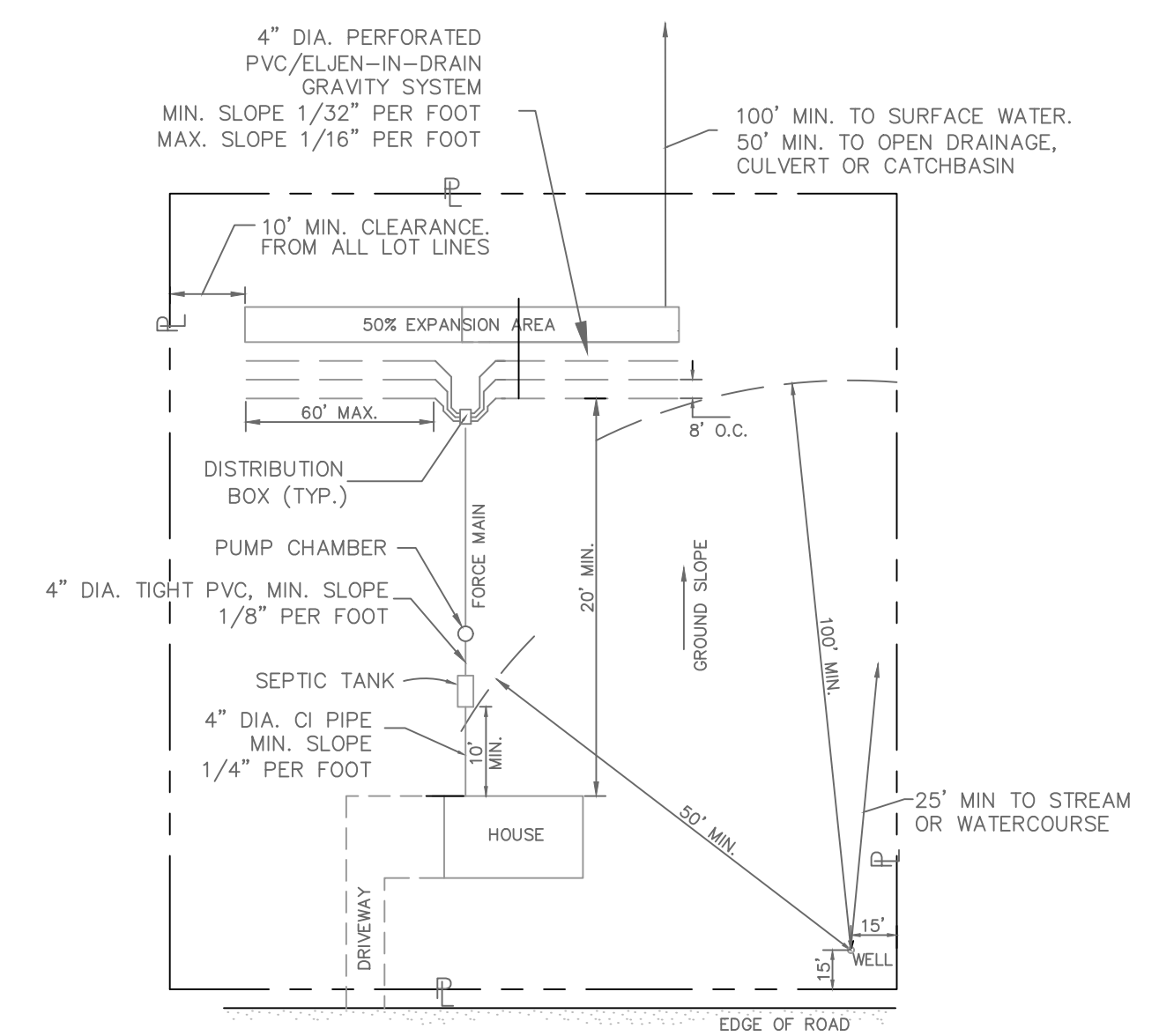


NYS D.O.T. SPEC. 703-07 CONCRETE SAND

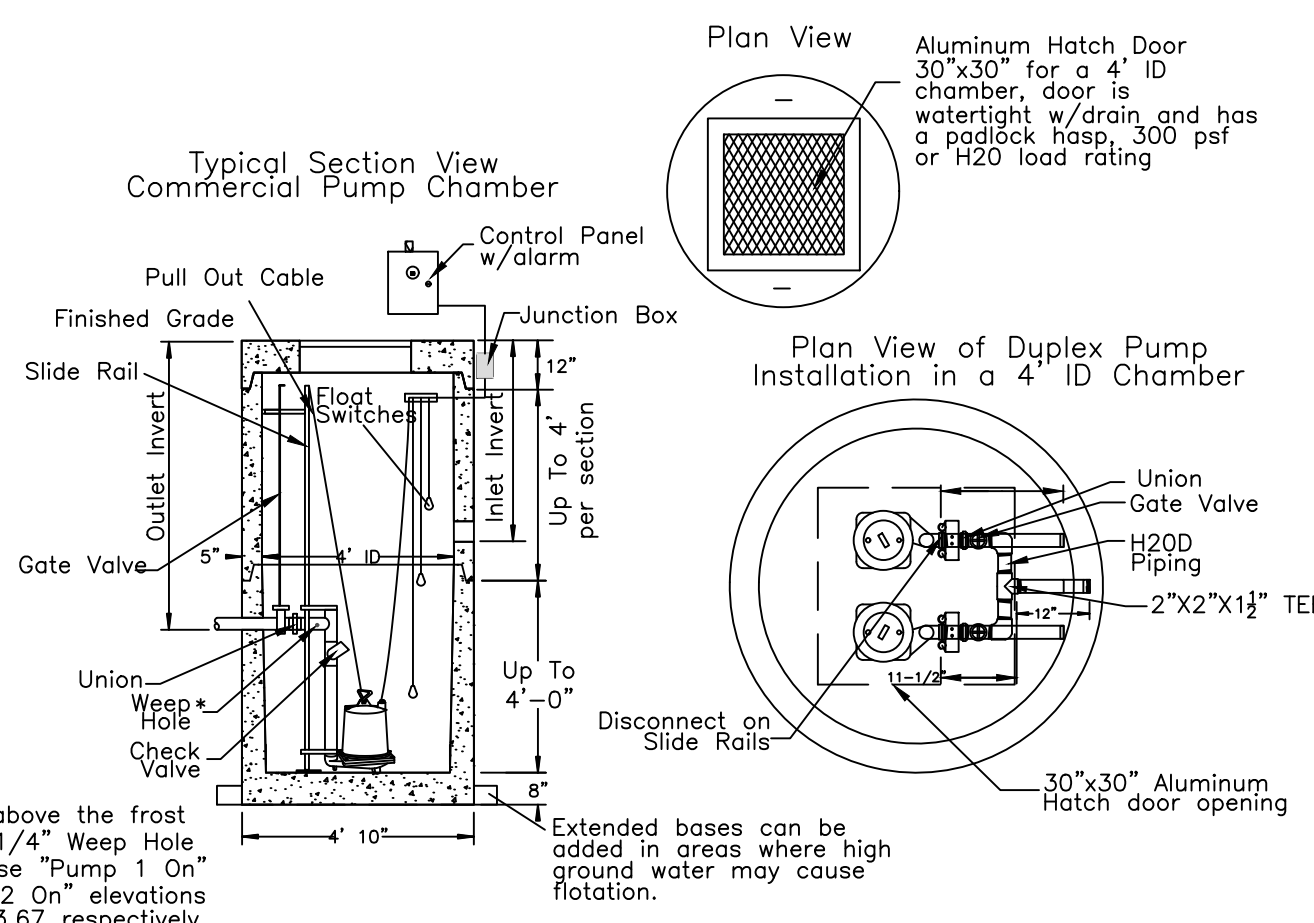
SIEVE SIZE	% PASSING BY WEIGHT	
	MIN.	MAX.
3/8 in.	100	100
No. 4	90	100
No. 8	75	100
No. 16	50	85
No. 30	25	60
No. 50	10	30
No. 100	1	10
No. 200 (WET)	0	3



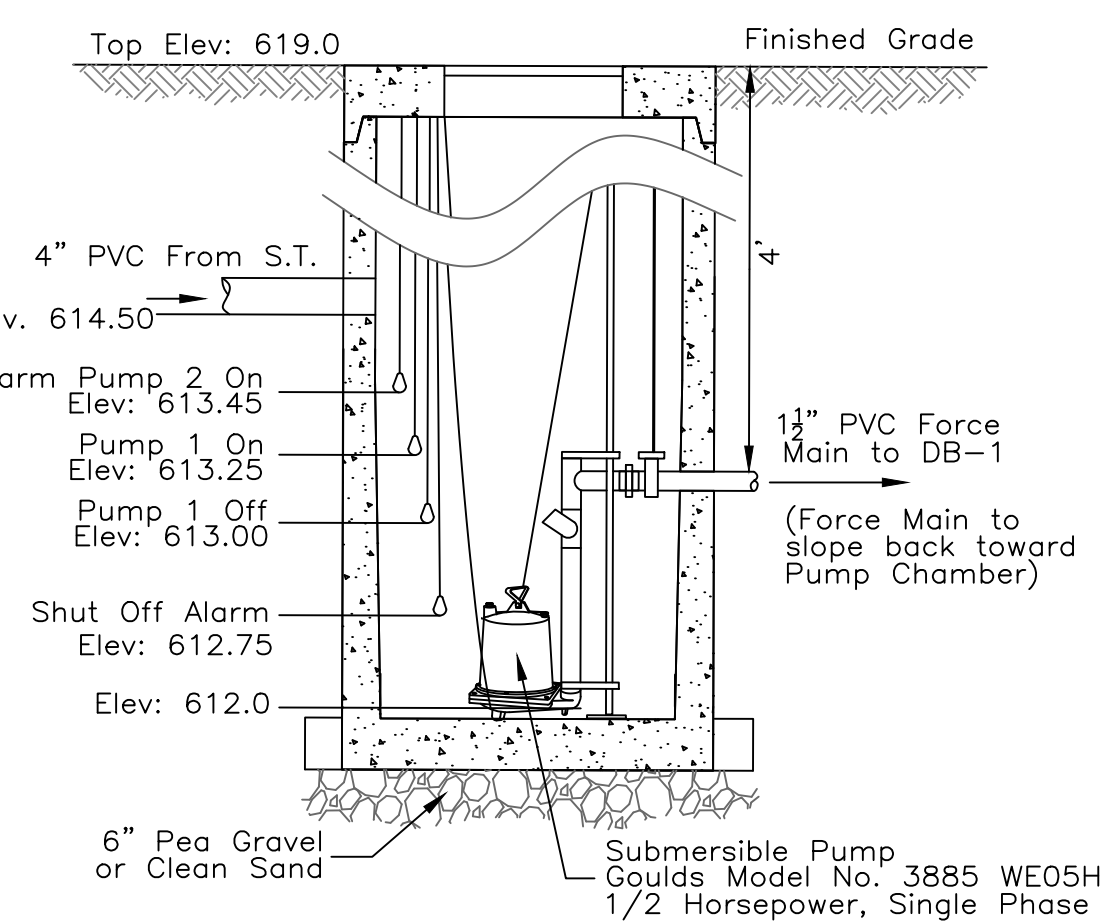
- NOTES:
- BOTTOM OF ALL TRENCHES SHALL NOT BE ABOVE ORIGINAL USABLE SOIL AND TRENCHES SHOULD PREFERABLY BE AT LEAST 6" BELOW ORIGINAL GRADE.
  - USABLE FILL SHOULD HAVE A PERCOLATION RATE SIMILAR TO BUT NOT FASTER THAN THE USABLE SOIL PERCOLATION RATE.
  - MAXIMUM DEPTH OF USABLE FILL PLUS SIX INCHES OF TOPSOIL SHALL NOT EXCEED 30 INCHES.
  - TRENCH BOTTOMS SHALL BE LEVEL. TRENCHES SHALL BE PARALLEL TO GROUND CONTOURS.
  - ON SLOPED SITES, A DIVERSION DITCH SHALL BE CONSTRUCTED UPHILL FROM THE FILL TO PREVENT SURFACE RUNOFF FROM ENTERING THE FILL.
  - FILL SHALL EXTEND AT LEAST SIX FEET BEYOND ENDS OF TRENCHES BEFORE STARTING 1 ON 3 EDGES OF FILL.



- NOTES:
- PERFORATED PIPE SHALL BE MADE OF RIGID OR CORRUGATED PIPE AND BE LABELED AS FULLY MEETING ASTM STANDARDS FOR USE IN SEPTIC SYSTEMS.
  - PERFORATIONS IN PIPE MUST BE FACE DOWN.
  - TRENCH BOTTOMS TO BE SET LEVEL.
  - TRENCHES TO BE 8' MINIMUM ON CENTER.
  - PROVIDE 2' OF SOLID PIPE BETWEEN DISTRIBUTION BOX AND PERFORATED PIPE W/EARTH BACKFILL.



SPECIFICATIONS	PRECAST PUMP CHAMBERS COMMERCIAL GRADE
Concrete Min. Strength: 4,000 psi at 28 days	Woodard's Concrete Products, Inc. 629 Lyell Road, Bulville, NY 10915 (845) 361-3471 / Fax 361-1050
Reinforcement: Wire Mesh & Rebar	
Air Entrainment: 5%	
Pipe Connection: Rubber Pipe Boots	
Volume: 4" = 94 gal/vf, 5" = 147 gal/vf, 6" = 212 gal/vf	
Load Rating: 300 psf or HS20-44	

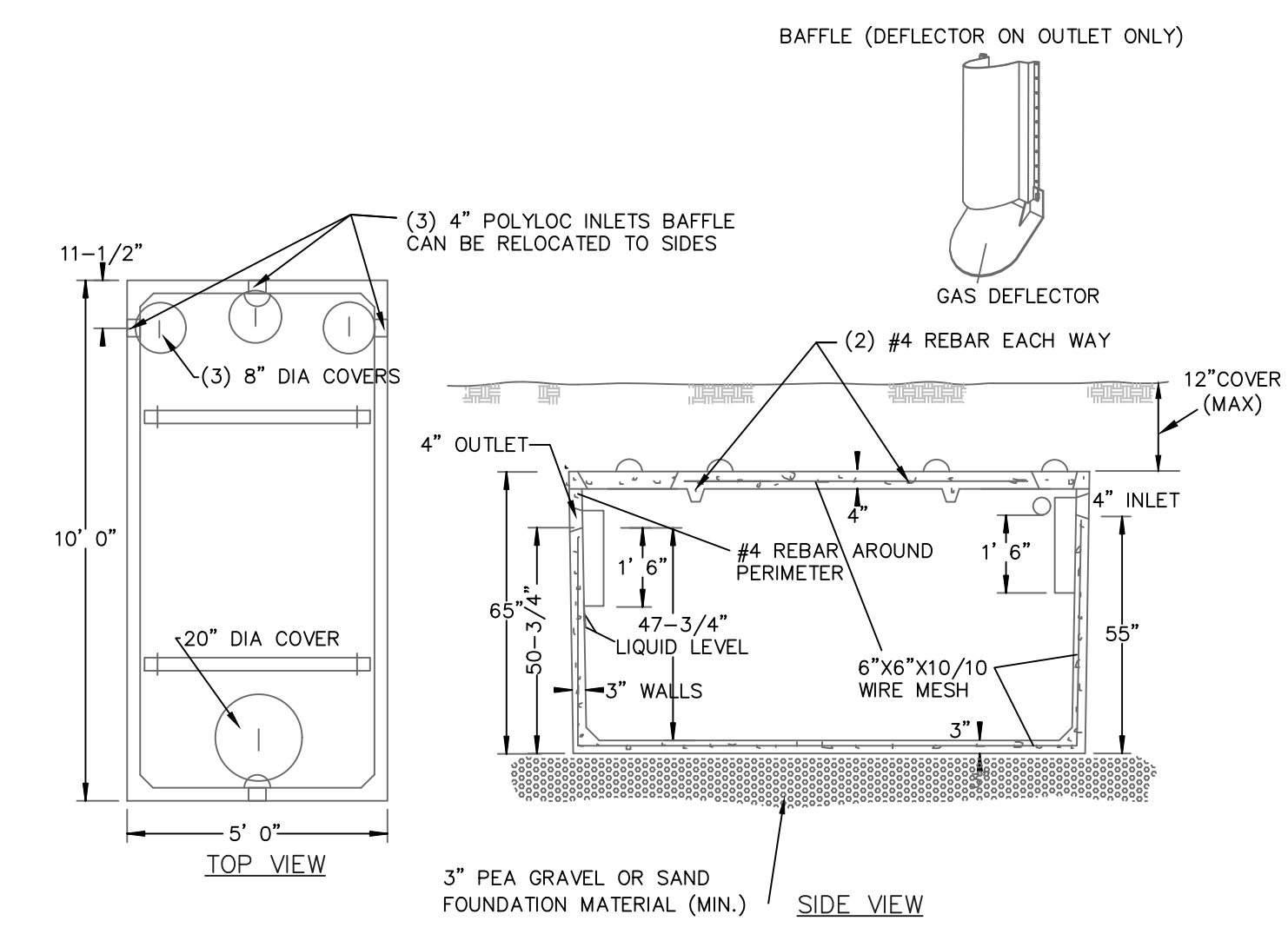


SEPTIC SYSTEM CONSTRUCTION NOTES

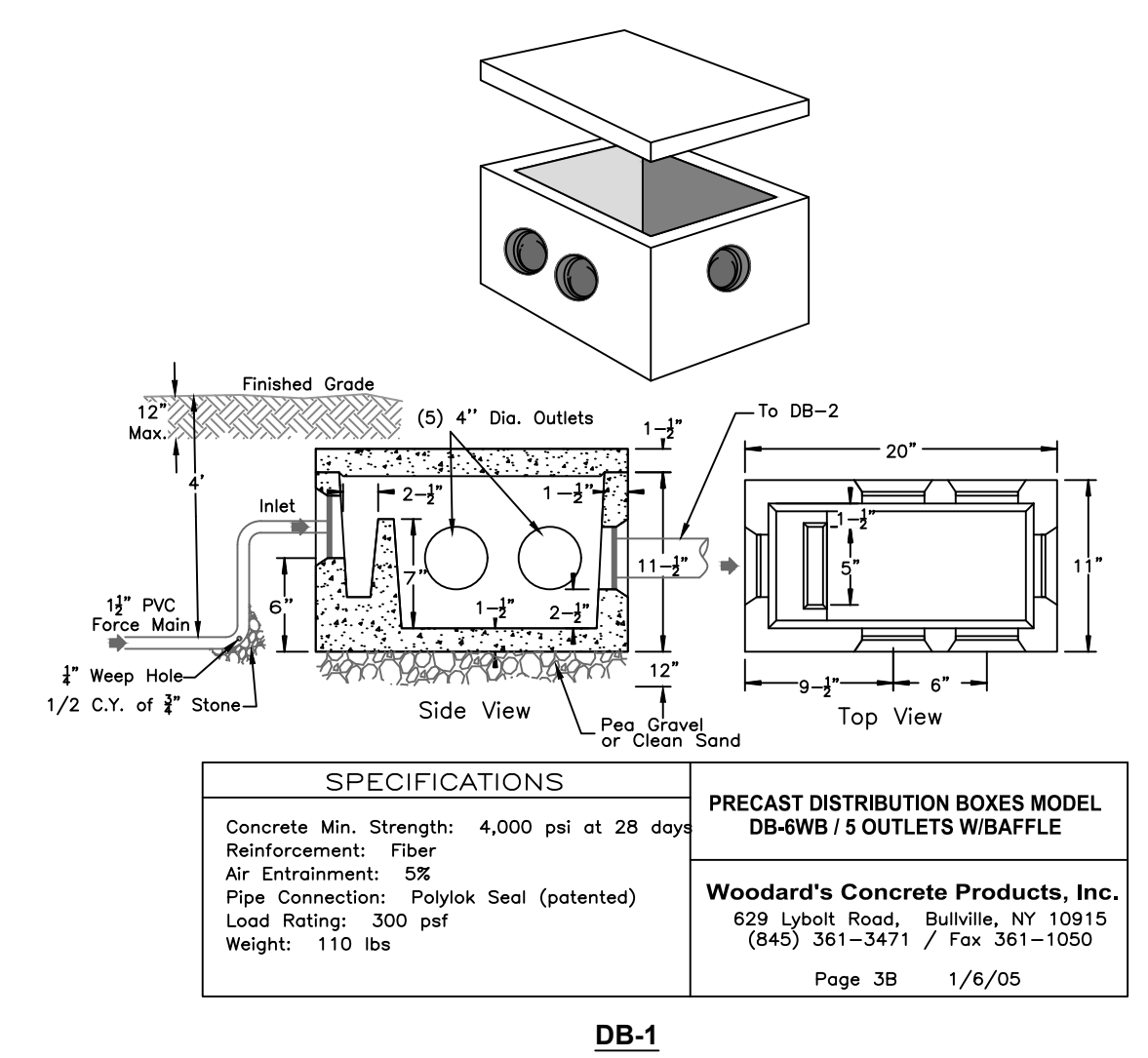
- THE PROPOSED SEWAGE DISPOSAL SYSTEM SHOWN IS DESIGNED IN ACCORDANCE WITH THE LATEST STANDARDS AND REQUIREMENTS OF THE NEW YORK STATE DEPARTMENT OF HEALTH AND THE EPA FOR RESIDENTIAL LOTS.
- THE DESIGN FOR THE SEWAGE DISPOSAL SYSTEM IS BASED ON ACTUAL SOIL AND PERCOLATION TESTS WHERE SHOWN ON DRAWINGS.
- THE CONSTRUCTION OF THE SEWAGE DISPOSAL SYSTEM SHALL BE IN CONFORMANCE WITH ALL APPLICABLE CODES, INCLUDING N.Y.S. DEPT. OF HEALTH, EPA, NYSDEC, ORANGE COUNTY DEPARTMENT OF HEALTH AND MUNICIPAL PUBLIC HEALTH LAWS.
- CONSTRUCTION OF THE SANITARY FACILITIES SHALL BE PERFORMED UNDER THE GUIDANCE OF A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN NEW YORK STATE. CERTIFICATION THAT THE INSTALLATION WAS MADE IN ACCORDANCE WITH APPROVED PLANS WILL BE MADE TO THE LOCAL CODE ENFORCEMENT OFFICER. THIS CERTIFICATION SHALL INCLUDE THAT THE SEPTIC TANK JOINTS HAVE BEEN SEALED AND TESTED FOR WATER TIGHTNESS AND THAT THE TANK WAS INSTALLED IN ACCORDANCE WITH APPENDIX 75-A.
- THERE SHALL BE NO SEPTIC SYSTEMS WITHIN 200' UPSTREAM OR 100' DOWNSTREAM OF ANY WELL.
- THERE SHALL BE NO WELLS WITHIN 100' UPSTREAM OR 200' DOWNSTREAM OF ANY SEPTIC SYSTEMS.
- DO NOT INSTALL TRENCHES IN WET SOIL.
- RAKE SIDES AND BOTTOM OF TRENCH PRIOR TO PLACING SAND.
- END OF ALL DISTRIBUTION PIPES MUST BE PLUGGED.
- ALL UNUSED OUTLETS SHALL BE PLUGGED AND SEALED WITH AN ASPHALTIC MATERIAL OR EQUAL.
- THERE SHALL BE NO REGRADING OR COMPACTING IN THE AREA OF THE PROPOSED TILE FIELD, EXCEPT AS SHOWN ON THE PLAN. HEAVY EQUIPMENT SHALL BE KEPT OFF THE AREA OF THE TILE FIELD EXCEPT FOR THE ACTUAL CONSTRUCTION OF THE FIELD. THERE SHALL BE NO UNNECESSARY MOVEMENT OF CONSTRUCTION EQUIPMENT DURING OR AFTER CONSTRUCTION.
- SANITARY FACILITIES ARE NOT TO BE RELOCATED OR REDESIGNED WITHOUT REVIEW BY THE DESIGN ENGINEER AND THE TOWN OF DEERPARK.
- CELLAR, ROOF AND FOOTING DRAINS SHALL NOT BE DISCHARGED INTO THE SEPTIC SYSTEM OR IN THE VICINITY OF THE TILE FIELD.
- ANY CHANGE IN DIRECTION OF SOLID TILE SEWAGE PIPE WILL REQUIRE A CLEANOUT. MAXIMUM DISTANCE BETWEEN CLEAN OUTS SHALL BE 75 FT..
- NO DRIVEWAYS, POOLS, STRUCTURES OR OTHER ITEMS THAT MAY COMPACT THE SOIL SHALL BE PLACED OVER ANY PORTION OF THE TILE FIELD.
- A MINIMUM OF 4' OF UNDISTURBED SOIL MUST BE AVAILABLE BETWEEN TRENCHES.
- TRENCHES SHALL BE INSTALLED PARALLEL TO CONTOURS. TRENCHES SHALL BE INSTALLED AS SHALLOW AS POSSIBLE WHILE STILL CONFORMING TO THE DIMENSIONAL REQUIREMENTS SHOWN IN THE CONSTRUCTION DETAILS.
- IN THE EVENT THAT TREES AND/OR HEAVY BRUSH MUST BE REMOVED, IT SHALL BE ACCOMPLISHED WITH A BRUSH HOE AND MANUAL TREE CUTTING AT GRADE ONLY. ONLY STUMPS DIRECTLY IN-LINE WITH TRENCHES SHALL BE REMOVED.

PERCOLATION TEST DATA & SYSTEM DESIGN

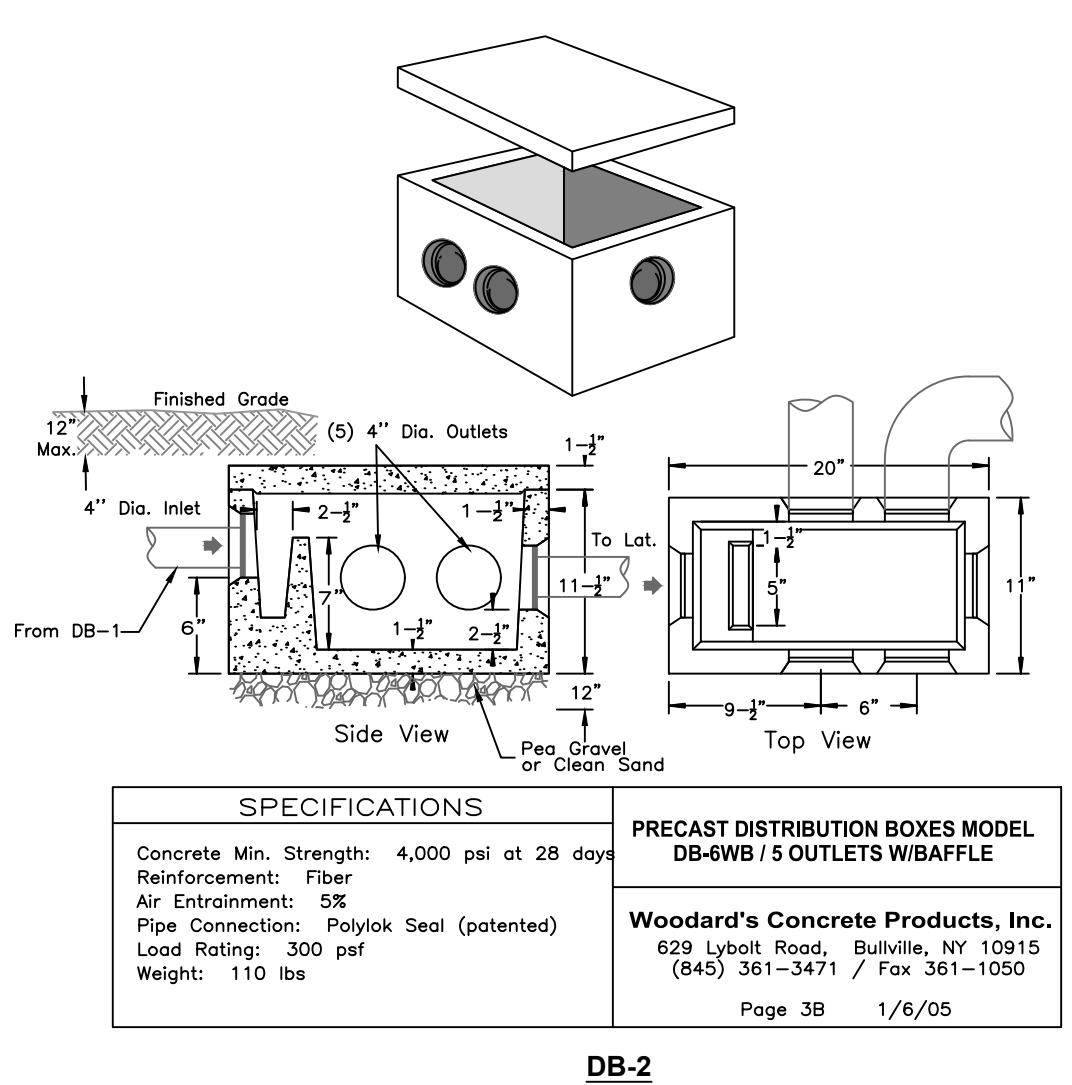
HOLE #	DATE	DEPTH OF HOLE	PERC RATE (MIN. SEC)	DESIGN RATE	LENGTH OF ELJEN-IN-DRAIN	
					1 BDRM (130 GAL/BR.) REQUIRED	DESIGN
PA	08/03/19	24"	34:53	46-60	48	48
PB	08/03/19	24"	42:36			



1,000 GALLON PRECAST SEPTIC TANK  
WOODARDS MODEL ST-1000 OR APPROVED EQUAL. NOT TO SCALE



SPECIFICATIONS	PRECAST DISTRIBUTION BOXES MODEL DB-6WB / 5 OUTLETS W/BAFFLE
Concrete Min. Strength: 4,000 psi at 28 days	Woodard's Concrete Products, Inc. 629 Lyell Road, Bulville, NY 10915 (845) 361-3471 / Fax 361-1050
Reinforcement: Fiber	
Air Entrainment: 5%	
Pipe Connection: Polylok Seal (patented)	
Load Rating: 300 psf	
Weight: 110 lbs	



SPECIFICATIONS	PRECAST DISTRIBUTION BOXES MODEL DB-6WB / 5 OUTLETS W/BAFFLE
Concrete Min. Strength: 4,000 psi at 28 days	Woodard's Concrete Products, Inc. 629 Lyell Road, Bulville, NY 10915 (845) 361-3471 / Fax 361-1050
Reinforcement: Fiber	
Air Entrainment: 5%	
Pipe Connection: Polylok Seal (patented)	
Load Rating: 300 psf	
Weight: 110 lbs	

PRECAST DISTRIBUTION BOXES  
MODEL DB-6WB  
NOT TO SCALE

DEEP TEST DATA Δ

HOLE #	DATE	DEPTH OF HOLE	SOIL TYPE	COMMENTS
DTA	08/21/19	0"-8"	OVERBURDEN	
		8"-45"	LT. BROWN CLAY, SANDY LOAM W/GRAVEL & ROCKS	
		45"	LEDGE ROCK	ROCK @ 45" - NO WATER
DTB	08/21/19	0"-8"	OVERBURDEN	
		8"-45"	LT. BROWN CLAY, SANDY LOAM W/GRAVEL & ROCKS	
		45"	LEDGE ROCK	ROCK @ 45" - NO WATER

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**SEWAGE DISPOSAL SYSTEM DETAILS FOR LANDS OF OWEN WRIGHT**

TOWN OF MAMAKATING SULLIVAN COUNTY, NY

**DeWINTER ENGINEERING P.C.**  
170 Sullivan Street  
P.O. Box 909  
Wurtsboro, New York 12790  
Phone No. (845) 888-2722 Fax No. (845) 888-2735  
dewintereng@frontiernet.net

DATE 10/26/19	SCALE AS NOTED	DESIGNED BY J.T.D.	DRAWN BY D.L.	CHECKED BY	FILE No. 19 0154	3 OF 3
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