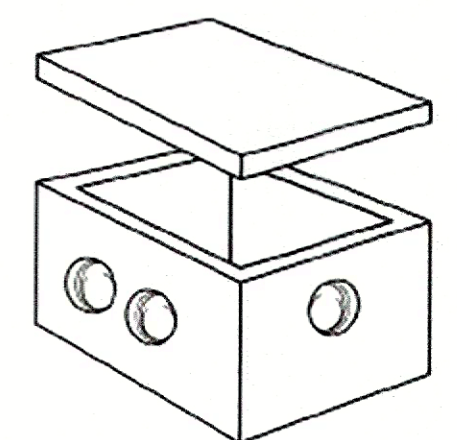


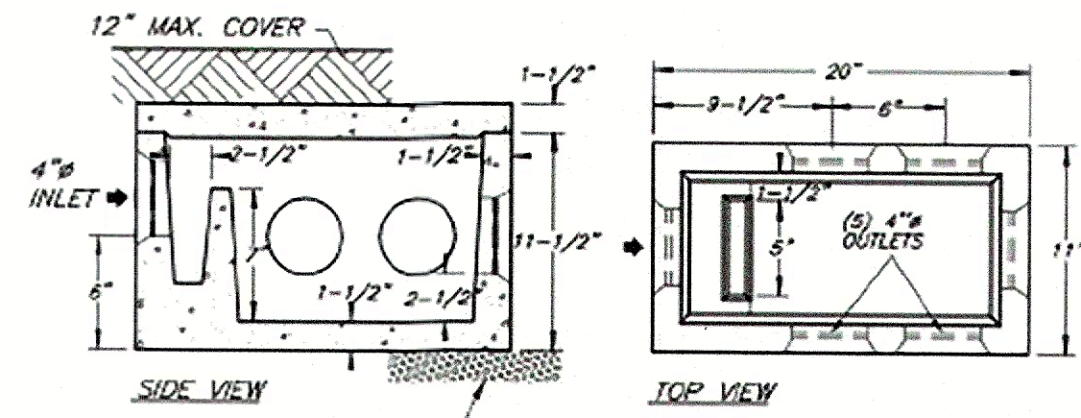
TOWN: NEWBURGH
R-1
TOTAL ACREAGE: 27,000 SF

	REQUIRED	PROPOSED
MINIMUM LOT AREA	40,000 SF	*27,000 SF
MINIMUM YARDS		
FRONT	50'	50'+
REAR	40'	40'+
SIDE 1	30'	*20.5'
SIDE 2	30'	80'+
MINIMUM LOT WIDTH	150'	225'
DEPTH	150'	*120'
MAXIMUM BUILD. COVERAGE	10%	6%
MAXIMUM HEIGHT	35'	<35'

*VARANCES NEEDED

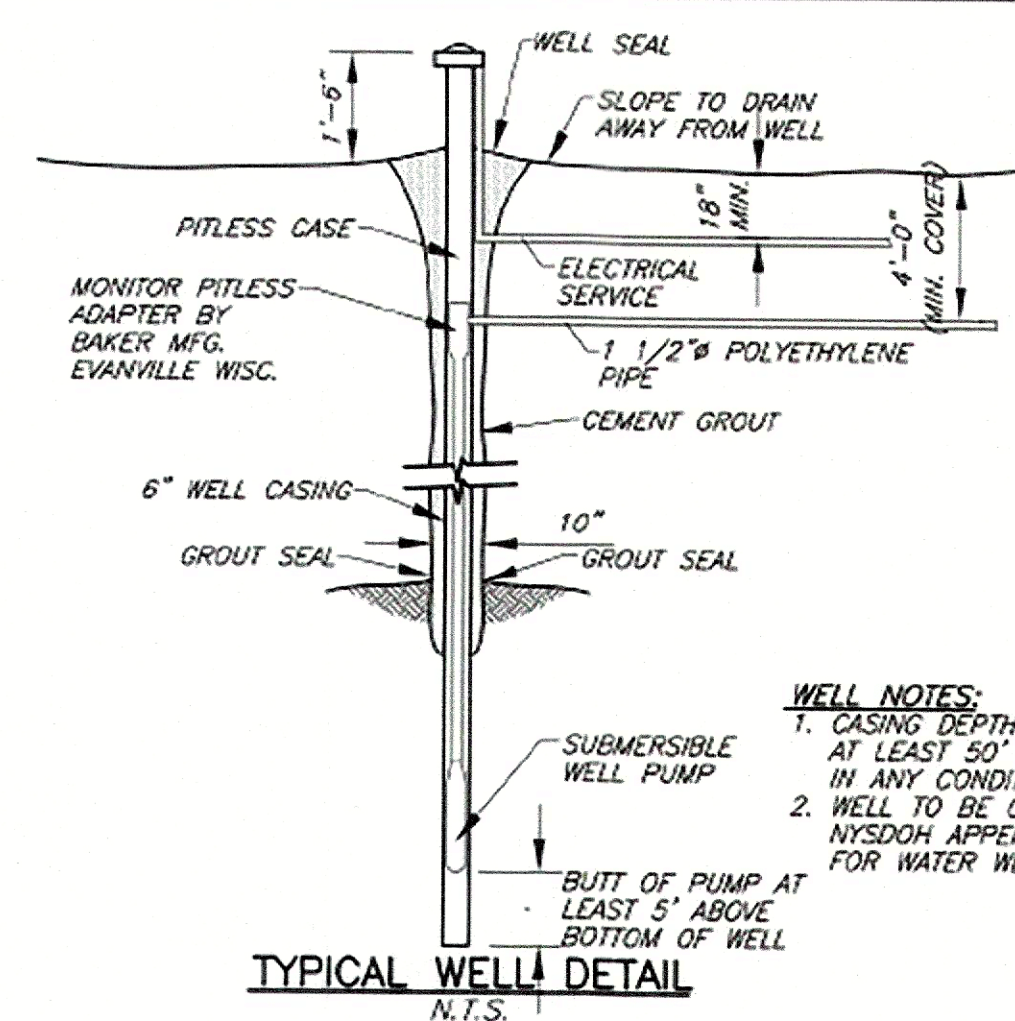


- NOTES:
1. OUTLETS ARE TO BE SET AT THE SAME ELEVATION AND FLOW EQUALIZERS ARE REQUIRED
 2. OUTLETS MUST BE USED IN A MANNER THAT WILL ALLOW ACCESS TO THE EXPANSION AREA WITHOUT DISTURBING EXISTING PIPING

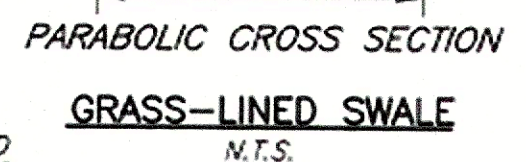


SPECIFICATIONS

CONCRETE MINIMUM STRENGTH- 4,000 PSI AT 28 DAYS
REINFORCEMENT- 6"x6" TOGA W/WF. #4 REBAR
AIR ENTRAPMENT- 5%
CONSTRUCTION JOINT- BUTYL RUBBER - BASE CEMENT
PIPE CONNECTION- POLYLOC SEAL (PATENTED)
LOAD RATING- 300PSF WEIGHT = 110LBS



- WELL NOTES:**
1. CASING DEPTH SHALL EXTEND AT LEAST 50' BELOW GROUND IN ANY CONDITION
 2. WELL TO BE CONSTRUCTED PER NYSDOH APPENDIX 5-5 SIDS FOR WATER WELLS, LATEST EDITION



- SEPTIC SYSTEM GENERAL NOTES:**
1. ALL PORTIONS OF THE SEPTIC FIELD WILL BE A MINIMUM DISTANCE OF 200 FEET UP SLOPE AND 100 FEET DOWN SLOPE FROM ANY WELL.
 2. SEPTIC TANK TO BE LOCATED A MINIMUM DISTANCE OF 10 FEET FROM ANY BUILDING OR PROPERTY LINE.
 3. CELLAR DRAINS, ROOF DRAINS OR FOOTING DRAINS SHALL NOT BE DISCHARGED IN THE VICINITY OF ABSORPTION FIELD.
 4. SHALL NOT BE CONSTRUCTED OVER ANY PORTION OF THE ABSORPTION FIELD.
 5. NO TRENCHES TO BE INSTALLED IN WET SOIL.
 6. PAKE SIDES AND BOTTOM OF TRENCH PRIOR TO PLACING GRAVEL IN ABSORPTION TRENCH.
 7. GROUT ALL PENETRATIONS TO CONC. SEPTIC TANK & DISTRIBUTION BOX.
 8. DISTRIBUTION LINE ARE TO BE CAPPED.
 9. THE PERIMETER OF THE ABSORPTION FIELD SHOULD BE GRADED TO DIVERT SURFACE WATER.
 10. ALL NEWLY DISTURBED AREAS SHALL BE IMMEDIATELY STABILIZED UPON COMPLETION USING GRASS SEED & MULCH.
 11. NO SEWAGE SYSTEM SHALL BE PLACED WITH IN 35' OF ANY WATER COURSE DRAINAGE DITCH.
 12. ALL LAUNDRY AND KITCHEN WASTES SHALL BE DISCHARGED INTO SEWAGE SYSTEM.
 13. BENDS SHALL BE USED WHEN ENTRANCE OR EXIT FROM SEPTIC TANK IS NOT APPROXIMATELY STRAIGHT. IF BENDS ARE USED AT POINTS OTHER THAN ENTRANCE OR EXIT POINTS, THEN A CLEANOUT IS REQUIRED.
 14. THE DESIGN AND LOCATION OF THE SANITARY FACILITIES SHALL NOT BE CHANGED WITHOUT SUBMISSION FOR APPROVAL.
 15. HEAVY EQUIPMENT SHALL BE KEPT OFF THE AREA OF THE ABSORPTION FIELDS EXCEPT DURING THE ACTUAL CONSTRUCTION. THERE SHALL BE NO UNNECESSARY MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE ABSORPTION FIELD AREA BEFORE, DURING, OR AFTER CONSTRUCTION.
 16. THIS SYSTEM WAS NOT DESIGNED TO ACCOMMODATE GARBAGE GRINDERS, JACUZZI TYPE SPA TUBS OVER 100 GALLONS, OR WATER CONDITIONERS. AS SUCH, THESE ITEMS SHALL NOT BE INSTALLED UNLESS THE SYSTEM IS REDESIGNED TO ACCOUNT FOR THESE.
 17. 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.
 18. THE OWNER/APPLICANT SHALL BE PROVIDED WITH A COPY OF THE APPROVED PLANS AND AN ACCURATE AS-BUILT DRAWING OF ANY EXISTING SANITARY FACILITIES.
 19. THE DESIGN ENGINEER WILL BE REQUIRED TO CERTIFY THE COMPLETED DISPOSAL FACILITY WITH AN AS-BUILT DRAWING SUBMITTED TO THE TOWN PRIOR TO CERTIFICATE OF OCCUPANCY BEING ISSUED.
 20. THERE SHALL BE NO REGRADING, EXCEPT AS SHOWN ON THE APPROVED PLANS, IN THE AREA OF ABSORPTION FIELDS.
 21. SEPTIC TANKS SHALL BE INSPECTED PERIODICALLY PUMPED EVERY 2-3 YEARS.
 22. DISTRIBUTION BOXES/DROP BOXES SHOULD BE INSPECTED PERIODICALLY TO ASSURE THAT THEY ARE LEVEL AND OPERATING PROPERLY.
 23. A NYS LICENSED PROFESSIONAL ENGINEER SHALL INSPECT THE SANITARY FACILITIES AT THE TIME OF CONSTRUCTION. THE ENGINEER SHALL CERTIFY TO THE ORANGE COUNTY DEPARTMENT OF HEALTH AND THE LOCAL CODE ENFORCEMENT OFFICER THAT THE FACILITIES HAVE BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND THAT ANY SEPTIC TANK JOINTS HAVE BEEN SEALED AND TESTED FOR WATER TIGHTNESS.

STANDARD NOTES:

THE DESIGN, CONSTRUCTION AND INSTALLATION SHALL BE IN ACCORDANCE WITH THIS PLAN AND GENERALLY ACCEPTED STANDARDS IN EFFECT AT THE TIME OF CONSTRUCTION WHICH INCLUDE:

"RURAL WATER SUPPLY, NEW YORK STATE DEPARTMENT OF HEALTH"
"PLANNING THE SUBDIVISION AS PART OF THE TOTAL ENVIRONMENT, NEW YORK STATE DEPARTMENT OF HEALTH."
"DESIGN STANDARDS FOR WASTE TREATMENT WATER WORKS- 1988"
"NEW YORK STATE DEPARTMENT OF HEALTH AND ORANGE COUNTY DEPARTMENT OF HEALTH POLICIES, PROCEDURES AND STANDARDS."

"THIS PLAN IS APPROVED AS MEETING THE APPROPRIATE AND APPLIED TECHNICAL STANDARDS, GUIDELINES, POLICIES AND PROCEDURES FOR ARRANGEMENT OF SEWAGE DISPOSAL AND TREATMENT AND WATER SUPPLY FACILITIES.

ALL WELLS AND S.D.S. EXISTING OR APPROVED WITHIN 200' OF THE PROPOSED WELLS AND S.D.S. ARE SHOWN ON THIS PLAN ALONG WITH ANY OTHER ENVIRONMENTAL HAZARDS IN THE AREA THAT MAY AFFECT THE DESIGN AND FUNCTIONAL ABILITY OF THE S.D.S. AND WELL. IT SHALL BE DEMONSTRATED BY THE CONTRACTOR TO THE CERTIFYING ENGINEER THAT THE SEPTIC TANK IS SEALED, WATER TIGHT AND ACCEPTABLE FOR USE. THIS SHALL REQUIRE, AS A MINIMUM, THE FILLING OF THE TANK WITH WATER TO OBSERVE IF IT IS IN FACT SEALED, WATERTIGHT AND ACCEPTABLE FOR USE.

ALL PROPOSED WELLS AND SERVICE LINES ON THIS PLAN ARE ACCESSIBLE FOR INSTALLATION AND REACEMENT.

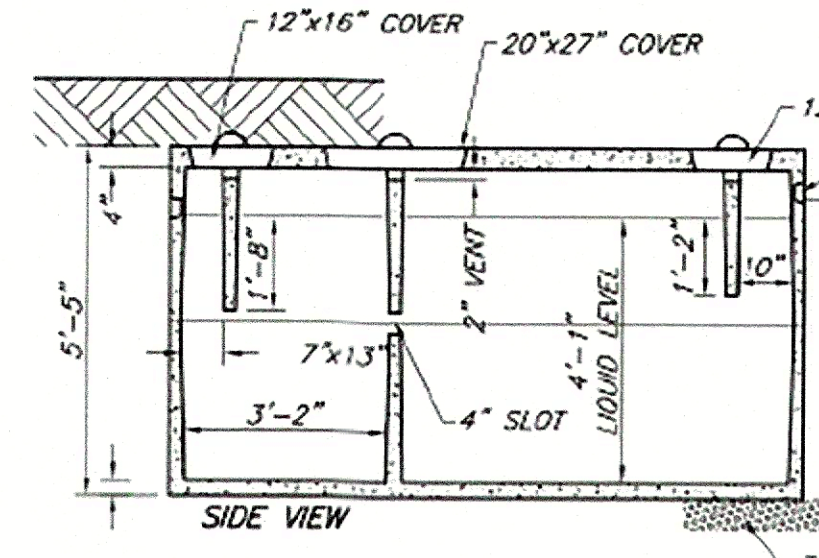
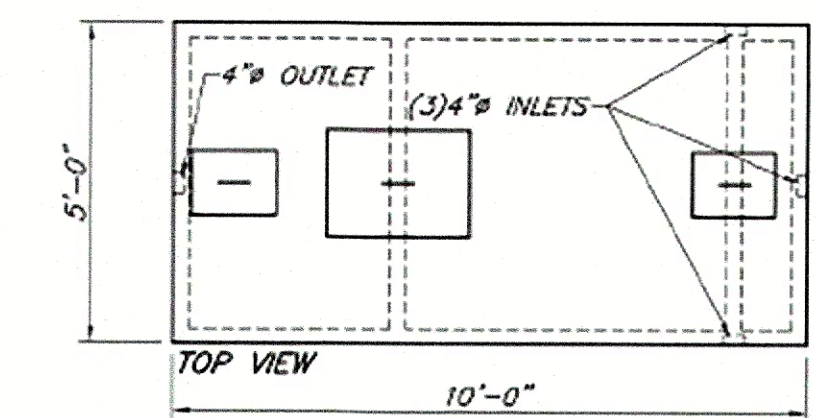
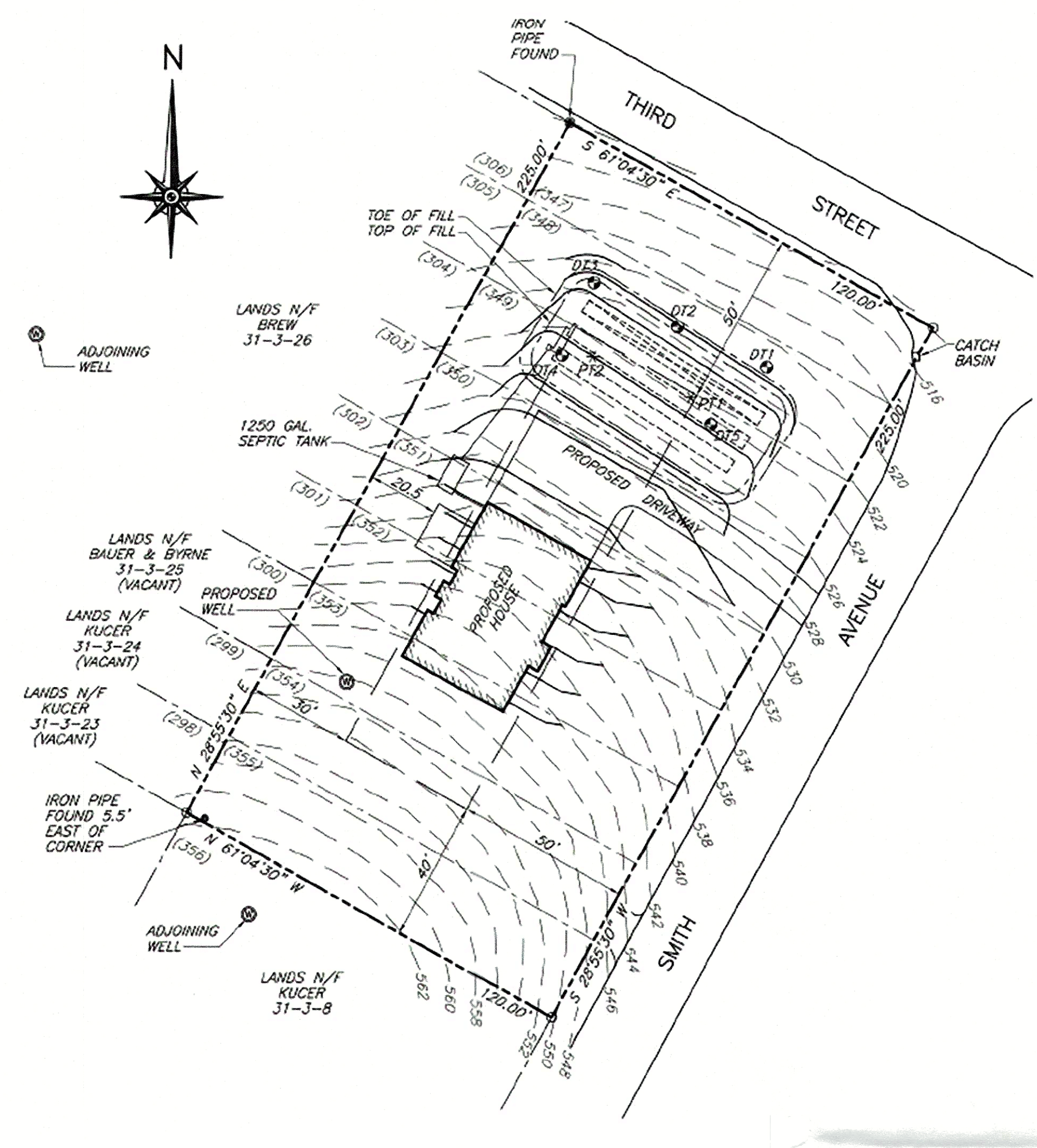
TRENCH BOTTOMS TO BE SET PARALLEL TO EXISTING CONTOURS.

- NOTES:**
1. INDIVIDUAL SEWAGE DISPOSAL SYSTEMS SHALL NO LONGER BE CONSTRUCTED OR USED WHEN PUBLIC FACILITIES BECOME AVAILABLE. CONNECTION TO THE PUBLIC SYSTEM IS REQUIRED WITHIN 1 YEAR OF AVAILABILITY.
 2. SEPTIC TANKS SHOULD BE INSPECTED PERIODICALLY AND PUMPED EVERY 2-3 YEARS.
 3. DISTRIBUTION BOXES / DROP BOXES SHOULD BE INSPECTED PERIODICALLY TO ASSURE THAT THEY ARE LEVEL AND OPERATING PROPERLY.

SEPTIC SYSTEM DESIGN DATA:

PERCOLATION DATA *	PT1 12" DEEP 12/23/2024	STABILIZED RATE - 12 MIN/INCH
	PT2 12" DEEP 12/23/2024	STABILIZED RATE - 20 MIN/INCH
DEEP PIT DATA	DT1 18" DEEP 12/23/2024	0'-3" TOP SOIL 3'-18" LOAM W/ SHALE SHALE @ 18" NO WATER
	DT2 36" DEEP 12/23/2024	0'-3" TOP SOIL 3'-36" GRAVELLY CLAY LOAM SHALE @ 36" NO WATER
	DT3 30" DEEP 12/23/2024	0'-3" TOP SOIL 3'-30" LOAM W/ SHALE SHALE @ 30" NO WATER
	DT4 36" DEEP 12/23/2024	0'-6" TOP SOIL 6'-36" CLAY LOAM SHALE @ 36" NO WATER
	DT5 36" DEEP 12/23/2024	0'-6" TOP SOIL 6'-30" CLAY LOAM 30'-30" LOAM W/ SHALE SHALE @ 36" NO WATER
DESIGN DATA	1. NO OF BEDROOMS - 4(MAX) 2. DAILY FLOW - 440 GPD (4) BED**110 GPD/BED = 440 GPD 3. SEPTIC TANK CAPACITY - 1,250 GAL 4. STABILIZED PERCOLATION RATE- 20 MIN/INCH 5. ABSORPTION FIELD LENGTH- 30 ELJEN UNITS (120 LF) 6. FILL REQUIRED - 18"	

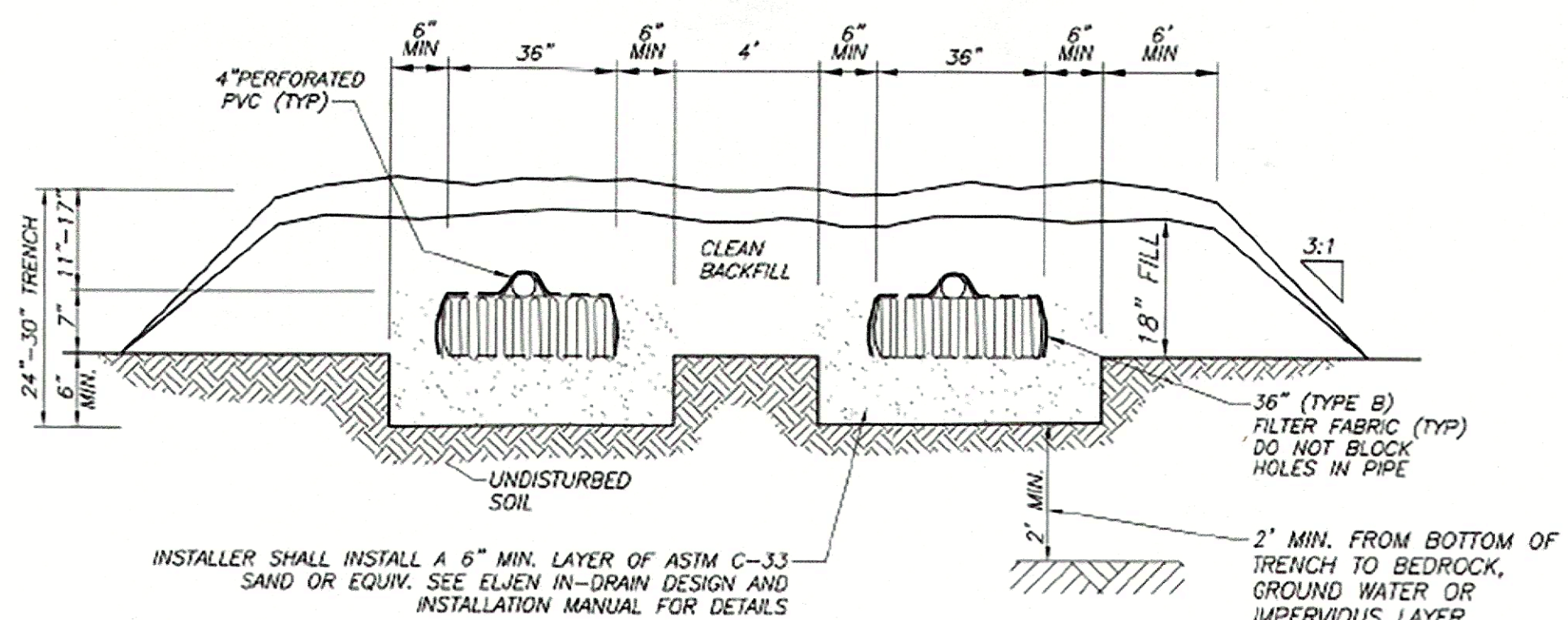
*LOW FLOW FIXTURES TO BE USED PER O.C.H.D. REGULATIONS.



SPECIFICATIONS

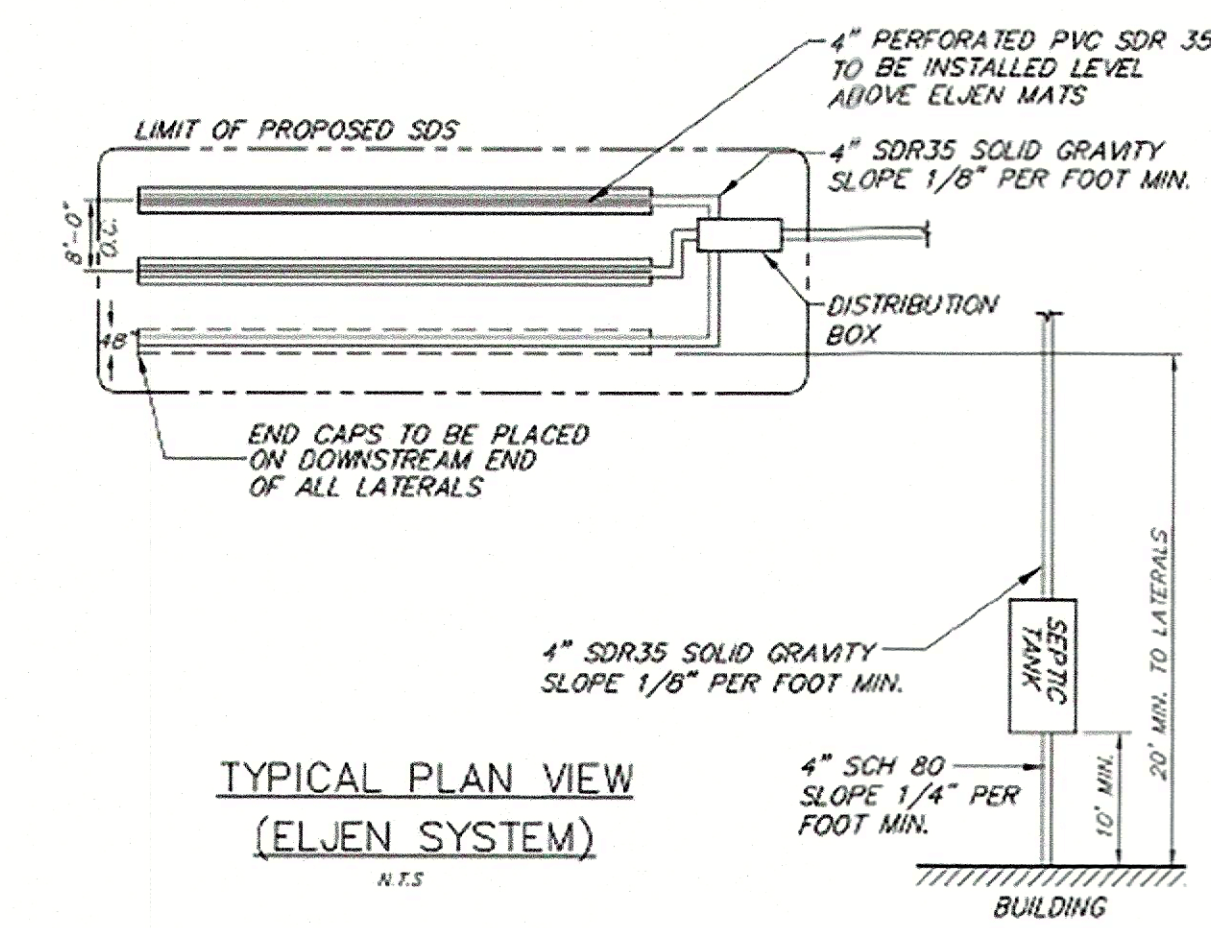
CONCRETE MINIMUM STRENGTH- 4,000 PSI AT 28 DAYS
REINFORCEMENT- 6"x6" TOGA W/WF. #3 REBAR
AIR ENTRAPMENT- 5%
CONSTRUCTION JOINT- BUTYL RUBBER - BASE CEMENT
PIPE CONNECTION- POLYLOC SEAL (PATENTED)
H2O LOADING ON REQUEST

WOODARD 1250gal. SEPTIC TANK OR EQUAL
N.T.S.



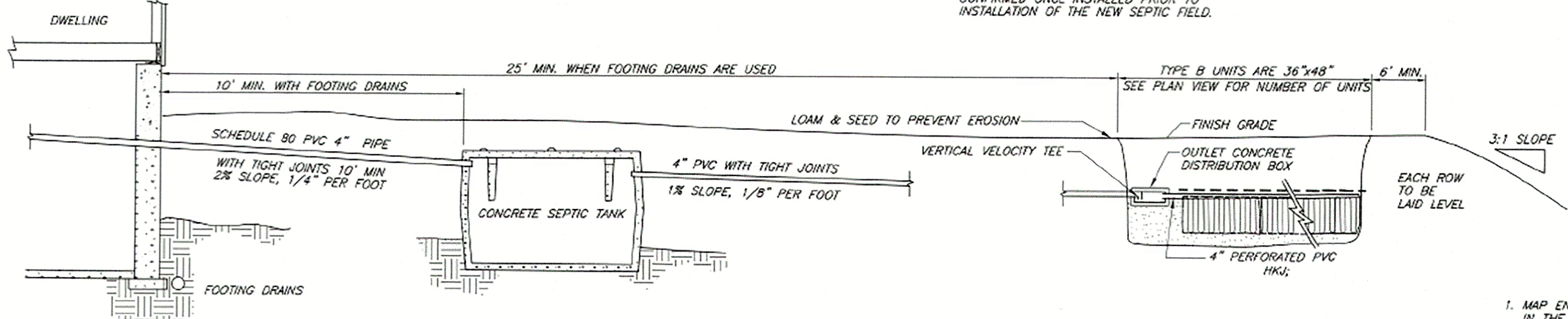
SOIL NOTE:

18" OF NEW SOIL TO HAVE A PERCOLATION RATE 16-20 MIN/IN. THIS SHOULD BE CONFIRMED ONCE INSTALLED PRIOR TO INSTALLATION OF THE NEW SEPTIC FIELD.



ASTM C33 SAND SPECIFICATION

SIEVE SIZE	SIEVE SO. OPNG. SIZE	SPEC. % PASSING (WET SIEVE)
0.375"	9.5 mm	100.0-100.0
#4	4.75 mm	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 mm	< 10.0
#200	75 um	< 5.0



- NOTES:**
1. INLET AND OUTLET JOINTS TO SEPTIC TANK ARE TO BE SEALED WITH A NON-SHRINK MORTAR.
 2. DESIGNER SHALL BE NOTIFIED OF ANY CONDITIONS CONTRARY TO THOSE DEPICTED ON THIS PLAN.

MAP REFERENCE:

1. MAP ENTITLED "SECTION 1. MAP OF ORANGE LAKE ESTATES", FILED IN THE ORANGE COUNTY CLERK'S OFFICE AS MAP #975, ON 04/10/1928.
2. MAP ENTITLED "SURVEY PREPARED FOR CERONE ENTERPRISES, INC.", PREPARED BY W.E. JAMES ENGINEERING & SURVEYING, PLLC, DATED DECEMBER 27, 2024.

WILLIAM J. MOREAU, P.E. ENGINEER	SEPTIC DESIGN FOR: CERONE ENTERPRISES, INC. 31-3-1.2, SMITH AVENUE TOWN OF NEWBURGH ORANGE COUNTY, NEW YORK
DATE: 12/29/2024	SCALE: 1"=30'
JOB NUMBER: 24-060-CMR	SHEET NUMBER: 1 OF 1