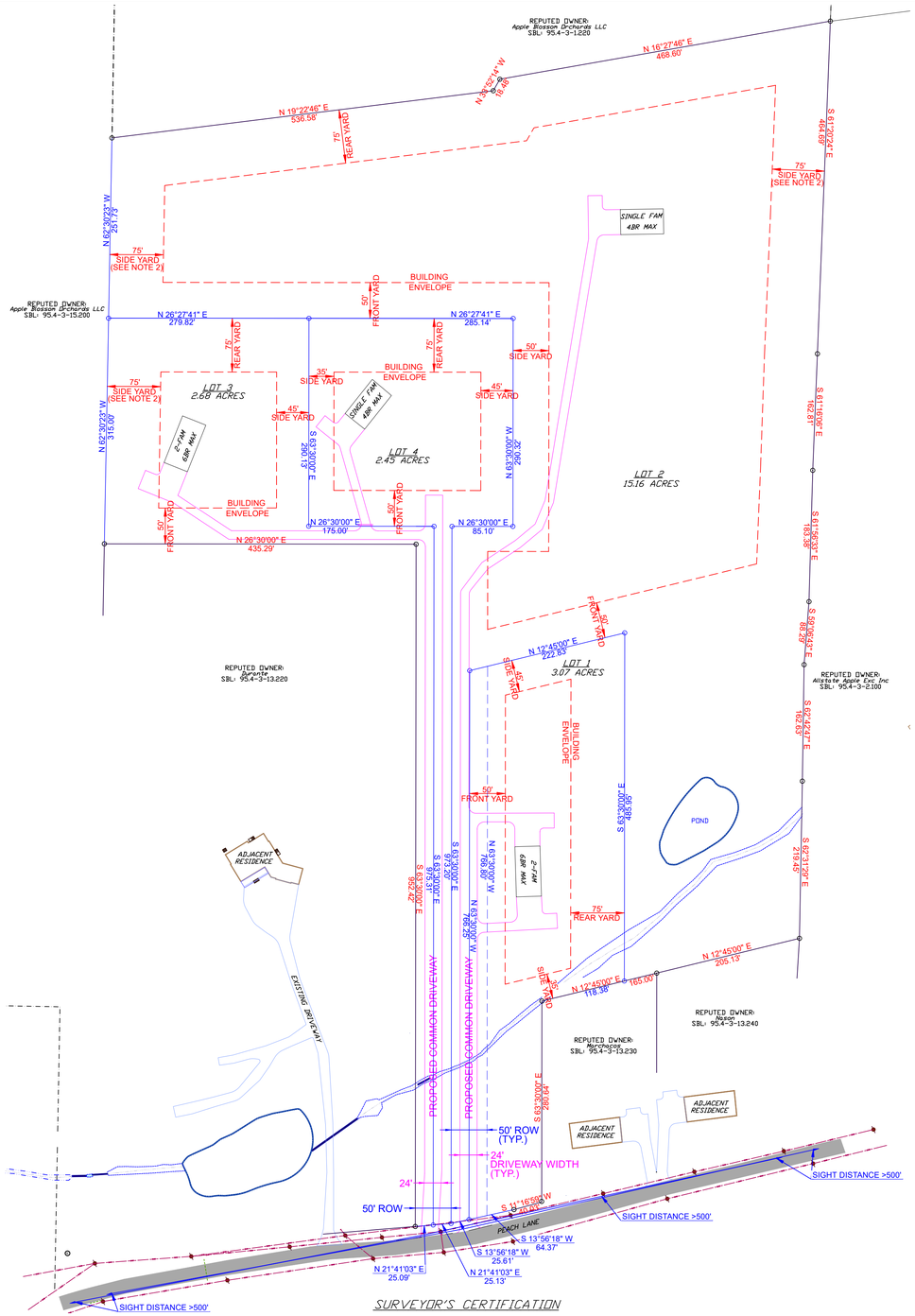
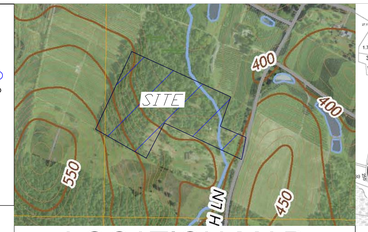
NORTH



LEGEND

- CLEANOUT
- TEMPORARY SILT FENCE — SF — SF
- PROPOSED CONTOUR
- PROPOSED PROPERTY LINE
- EXISTING PROPERTY LINE
- BUILDING ENVELOPE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- DEEP TEST — DT
- PERCOLATION TEST — PT
- SWALE — SW->
- DISTURBANCE BOUNDARY



LOCATION MAP
1"=2000'

TAX MAP
1"=2000'

PLANNING BOARD ENDORSEMENT

APPROVED BY RESOLUTION OF THE PLANNING BOARD OF THE TOWN OF MARLBOROUGH SUBJECT TO ALL CONDITIONS AND REQUIREMENTS OF SAID RESOLUTION. ANY CHANGE, ERASURE, MODIFICATION OR REVISION OF THIS PLAT AS APPROVED SHALL VOID THIS APPROVAL.

PLANNING BOARD CHAIRMAN DATE

OWNER'S ENDORSEMENT

THE UNDERSIGNED OWNERS OF THE PROPERTY SHOWN ON THIS PLAT ARE FAMILIAR WITH ITS CONTENTS AND HEREBY CONSENT TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON AND AGREE TO FILE THIS MAP WITH THE ULSTER COUNTY CLERK'S OFFICE.

OWNER DATE

TOWN OF MARLBOROUGH R-AG-1 ZONING SCHEDULE

	MINIMUM REQUIRED	LOT #1 PROPOSED	LOT #2 PROPOSED	LOT #3 PROPOSED	LOT #4 PROPOSED
LOT AREA	1 ACRE (43,560 SF)	3.06 ACRES (133,696 SF)	15.16 ACRES (660,505 SF)	2.68 ACRES (117,174 SF)	2.45 ACRES (107,153 SF)
YARDS (feet)					
FRONT	50'	63'±	541'±	100'±	160'±
REAR	75'	115'±	208'±	136'±	85'±
SIDE					
ONE	35'	142'±	220'±	83'±	50'±
BOTH	80'	395'±	932'±	226'±	219'±
LOT WIDTH (feet)	150'	485'±	993'±	315'±	285'±
LOT DEPTH (feet)	200'	216'±	791'±	279'±	290'±

NOTES:

1. THE PREMISES SHOWN HEREON IS LOT 1 OF THE NASON SUBDIVISION FILED MAP 21-67A GENERALLY DESCRIBED AS DEED LIBER 6886 PAGE 256 AS RECORDED IN THE ULSTER COUNTY CLERK'S OFFICE.
2. MINIMUM SETBACK NEXT TO ACTIVE AGRICULTURAL LANDS PER SECTION 155-52.
3. LOTS 1 & 2 SHALL BE SUBJECT TO A COMMON DRIVEWAY MAINTENANCE AGREEMENT FILED WITH THE ULSTER COUNTY CLERK.
4. LOTS 3 & 4 SHALL BE SUBJECT TO A COMMON DRIVEWAY MAINTENANCE AGREEMENT FILED WITH THE ULSTER COUNTY CLERK.

AGRICULTURAL DATA STATEMENT::

THIS SUBDIVISION IS LOCATED IN AN AGRICULTURE DISTRICT. IT HAS ACTIVE FARMING OPERATIONS IN THE VICINITY. BE ADVISED OF THE FOLLOWING:

1. FARMING DOES NOT OCCUR ONLY BETWEEN 8:00 AM AND 5:00 PM AND IS DEPENDENT ON MOTHER NATURE. RESIDENTS SHOULD BE AWARE OF NOISE FROM AGRICULTURE MACHINERY BEING OPERATED IN NEARBY FIELDS IN EARLY MORNING AND EVENING HOURS AND NOISE FROM CROP DRYING FANS WHICH ARE ON 24 HOURS A DAY DURING THE HARVESTING SEASON.

2. THE ROADS LEADING TO AND FROM THE SUBDIVISION ARE FREQUENTLY TRAVELED BY FARMERS AND THEIR SLOW MOVING FARM VEHICLES AND EQUIPMENT.

3. FARMERS VERY OFTEN SPRAY THEIR CROPS WITH PESTICIDES IN ACCORDANCE WITH ACCEPTED PRACTICES REGULATED BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC NOTIFICATION LAW NO. 325, OCTOBER 1988).

4. EXISTING AGRICULTURAL OPERATIONS MAY CREATE BOTH UNAVOIDABLE ODORS AND UNSIGHTLINESS COMMONLY ASSOCIATED WITH FARMING OPERATIONS IN THE AREA.

5. THERE ARE DANGERS IN LETTING CHILDREN AND PETS ROAM INTO ANY ADJACENT AGRICULTURAL FIELD, WHICH IS PRIVATE PROPERTY.

RECORD OWNER:

KATRINA NASON
129 PEACH LANE
MILTON, NY 12547

CERTIFIED TO:

I HEREBY CERTIFY TO:
KATRINA NASON
THE TOWN OF MARLBOROUGH

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY TO THE HEREON LISTED PARTIES THAT THIS MAP REPRESENTS THE RESULTS OF AN ACTUAL ON THE GROUND FIELD SURVEY, PER RECORD DESCRIPTION, OF THE LAND SHOWN HEREON, LOCATED AT 99 PEACH LANE IN THE TOWN OF MARLBOROUGH, COUNTY OF ULSTER, STATE OF NEW YORK COMPLETED ON XXX XX, 20XX PERFORMED IN ACCORDANCE WITH THE CURRENT EXISTING CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS, INC., AND IS TO THE BEST OF MY KNOWLEDGE, BELIEF AND INFORMATION, ACCURATE AND CORRECT. EXCEPT AS SHOWN HEREON: "THERE ARE NO ENCROACHMENTS EITHER WAY ACROSS PROPERTY LINES; TITLE LINES AND ACTUAL LINES OF ACTUAL POSSESSION ARE THE SAME."

SIGNATURE DATE

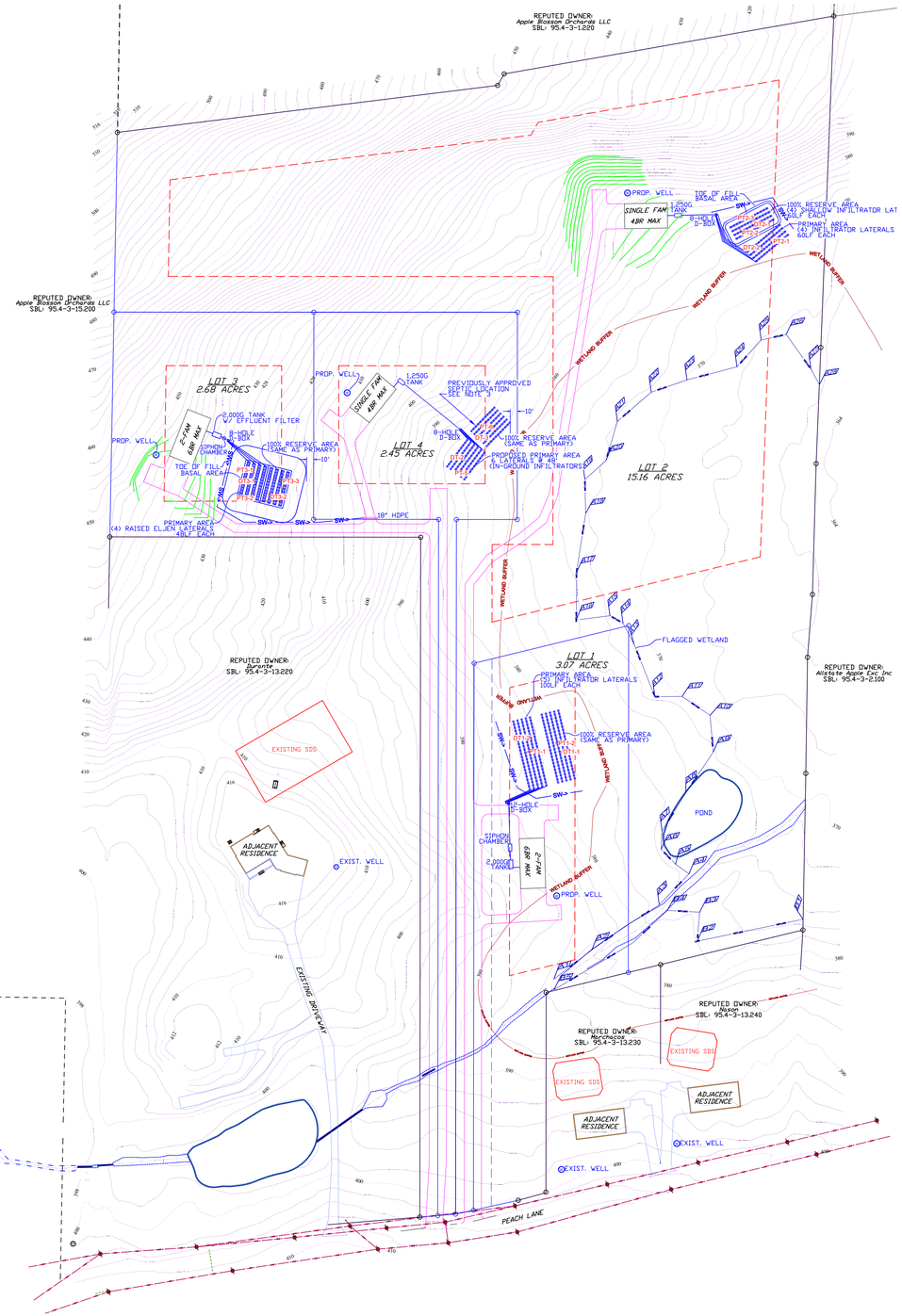
SURVEYOR	ENGINEER	C.M. TERRIZZI ENGINEERING, PLLC 11 TERRIZZI DR. WALLKILL, N.Y. 12589 (845) 239-2020

PROPOSED LAYOUT

SUBDIVISION FOR:
NASON
S.B.L.: 95.4-3-13.210 / 99 PEACH LANE / 23.38 ACRES
TOWN OF MARLBOROUGH, ULSTER COUNTY, NY

DATE	SCALE	SHEET NUMBER
3/29/2025	1" = 100'	1 OF 5

NORTH

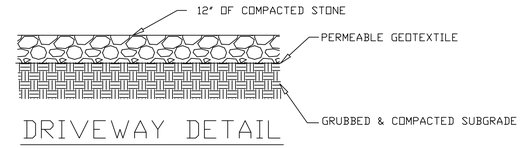


LEGEND

- CLEANOUT
- TEMPORARY SILT FENCE — SF — SF —
- PROPOSED CONTOUR
- PROPOSED PROPERTY LINE
- EXISTING PROPERTY LINE
- BUILDING ENVELOPE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- DEEP TEST — DT
- PERCOLATION TEST — PT
- SWALE — SW>
- DISTURBANCE BOUNDARY

INVERT ELEVATIONS TABLE

	STRUCTURE	INV. IN	INV. OUT	PIPE LENGTH	PIPE ROUTE	PIPE SLOPE
LOT 1	BUILDING LINE	–	385.77' (MIN. RAW)	10'	TO 2000G TANK	-2.0%
	2000G TANK	385.57'	385.32'	12.0'	TO SIPHON CHAMBER	-2.0%
	SIPHON CHAMBER	385.08'	383.33'	55.0'	TO D-BOX	-1.0%
	D-BOX	382.78'	382.57'	VARIES	TO TRENCHES	-1.0% MIN.
	TRENCHES	18" BELOW ORIGINAL GRADE				0%
	STRUCTURE	INV. IN	INV. OUT	PIPE LENGTH	PIPE ROUTE	PIPE SLOPE
LOT 2	BUILDING LINE	–	377.79' (MIN. RAW)	10'	TO 1250G TANK	-2.0%
	1250G TANK	377.35'	376.99'	47.0'	TO D-BOX	-2.0%
	D-BOX	376.29'	376.08'	VARIES	TO TRENCHES	-1.0% MIN.
	TRENCHES	18" BELOW ORIGINAL GRADE				0%
	STRUCTURE	INV. IN	INV. OUT	PIPE LENGTH	PIPE ROUTE	PIPE SLOPE
LOT 3	BUILDING LINE	–	433.20' (MIN. RAW)	10'	TO 2000G TANK	-2.0%
	2000G TANK	433.00'	432.75'	3.0'	TO SIPHON CHAMBER	-2.0%
	SIPHON CHAMBER	432.69'	430.85'	3.0'	TO D-BOX	-1.0%
	D-BOX	430.82'	430.62'	VARIES	TO TRENCHES	-1.0% MIN.
	TRENCHES	24" ABOVE ORIGINAL GRADE				0%



DRIVEWAY DETAIL

(NOT TO SCALE)

NOTES:

1. NO EXISTING WELLS WITHIN 200' DOWNHILL OF PROPOSED SANITARY FACILITIES AND NO EXISTING SEPTICS WITHIN 200' UPHILL OF PROPOSED WELLS.
2. NYSDEC FRESHWATER WETLAND BOUNDARY PD-4 DELINEATED ON 4/24/2020 AND EXPIRES ON 7/31/2025 PER FM#21-67C.
3. SEE EXISTING ULSTER COUNTY HEALTH DEPARTMENT APPROVAL DATED NOVEMBER 2020.

ENGINEER

C.M. TERRIZZI ENGINEERING, PLLC

11 TERRIZZI DR.
WALLKILL, N.Y. 12589
(845) 239-2020

PROPOSED GRADING & SEPTICS

SUBDIVISION FOR:
NASON
S.B.L.: 95.4-3-13.210 / 99 PEACH LANE / 23.38 ACRES
TOWN OF MARLBOROUGH, ULSTER COUNTY, NY

DATE	SCALE	SHEET NUMBER
3/29/2025	1" = 100'	2 OF 5

NORTH

LEGEND

- CLEANOUT
- TEMPORARY SILT FENCE — SF — SF —
- PROPOSED CONTOUR
- PROPOSED PROPERTY LINE
- EXISTING PROPERTY LINE
- BUILDING ENVELOPE
- EXISTING MAJOR CONTOUR
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- DEEP TEST DT
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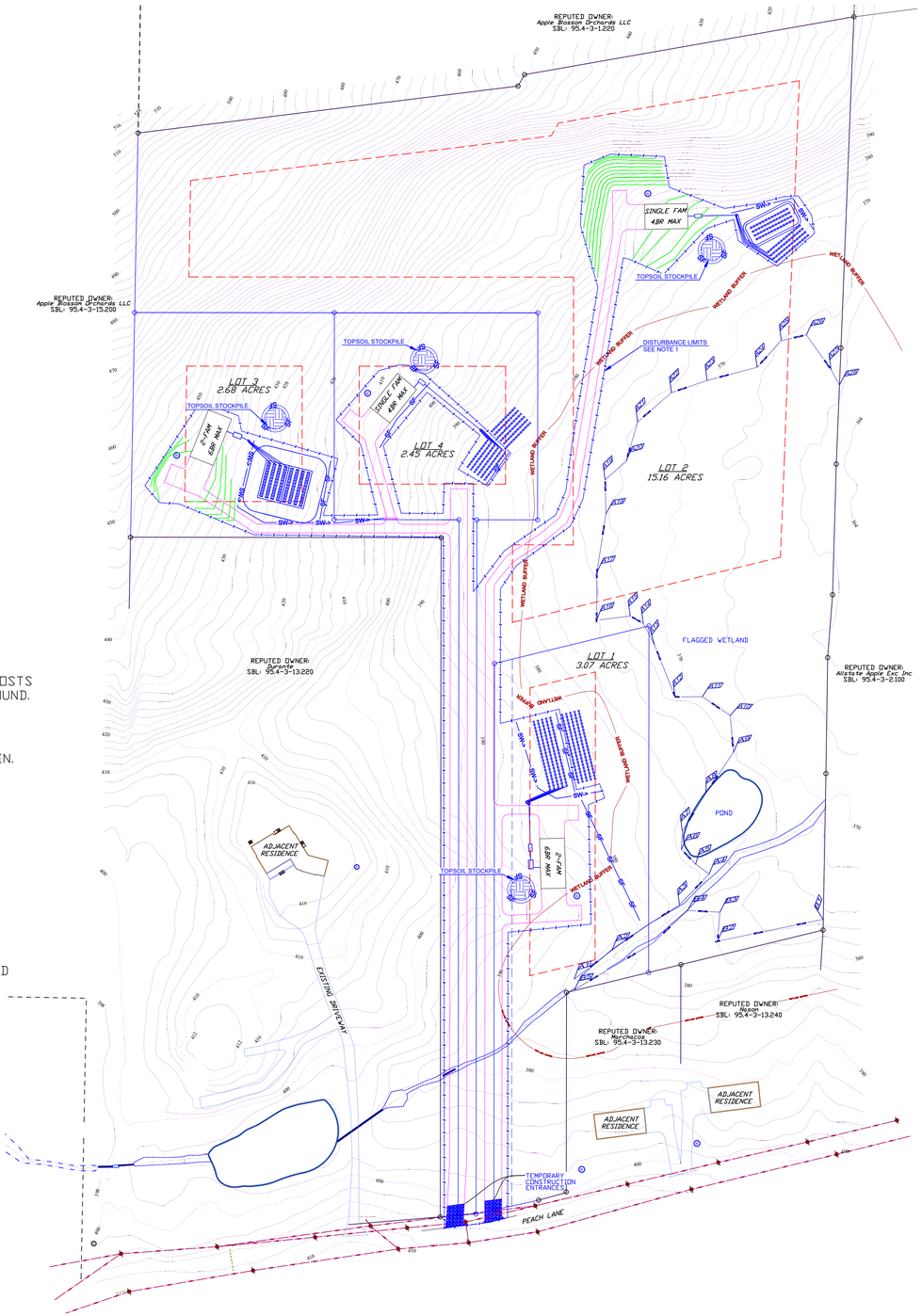
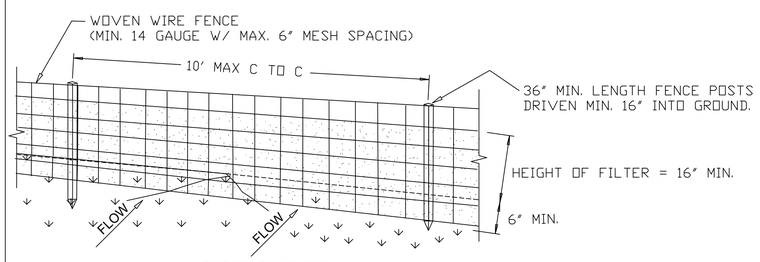
- SWALE — SW> —
- DISTURBANCE BOUNDARY

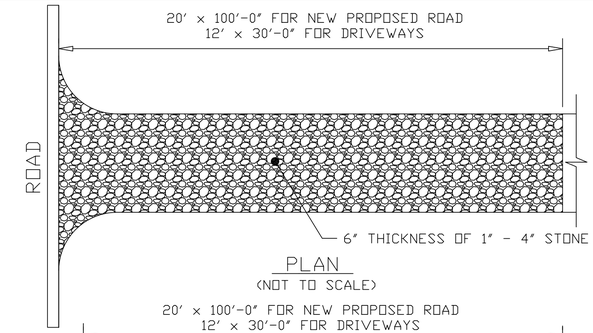




SILT FENCE DETAIL
SECTION
(NOT TO SCALE)

NOTES:

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



STABILIZED CONSTRUCTION ENTRANCE DETAIL
SECTION
(NOT TO SCALE)

NOTES:

1. ENTRANCE SHALL BE MAINTAINED AS CONDITIONS DEMAND TO PREVENT TRACKING OF SEDIMENT INTO PUBLIC RIGHTS OF WAY.

EROSION CONTROL SEQUENCE NOTES:

MEASURES SHALL BE TAKEN TO PREVENT SOIL EROSION DURING PROJECT CONSTRUCTION. ALL FRESHLY DISTURBED AREAS THAT WILL REMAIN DISTURBED FOR MORE THAN A PERIOD OF TWO WEEKS (14) DAYS SHALL BE STABILIZED BY TEMPORARY SEEDING.

1. PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, THE LIMITS OF CLEARING AND GRADING SHALL BE MARKED. FILTER FABRIC SEDIMENT BARRIERS (SILT FENCE) SHALL BE PLACED ALONG THE DOWN GRADE PERIMETER OF THE SITE (OR PHASE) AND ANY OTHER AREAS WHERE SILT FENCE IS INDICATED AS TO BE INSTALLED AS SHOWN ON THE APPROVED PLANS. INSTALLATION SHALL BEGIN AT DOWN GRADE AREAS WORKING UPGRADE.
2. STABILIZED CONSTRUCTION ENTRANCES SHALL BE BUILT IN THE AREAS SHOWN AND WHEREVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PUBLIC THOROUGHFARE.
3. SEED AND MULCH IS REQUIRED TO STABILIZE FINAL GRADES.
4. UPON COMPLETION OF CLEARING AND GRUBBING ACTIVITIES, TOPSOIL SHALL BE STRIPPED AND STOCKPILED FROM ALL AREAS TO BE DISTURBED. STOCKPILED TOPSOIL SHALL BE STABILIZED BY TEMPORARY SEEDING AND SURROUNDED WITH A SILT FENCE INSTALLED AROUND THE PERIMETER OF THE STOCKPILE.
5. TEMPORARY EROSION CONTROL DEVICES SHALL BE REMOVED ONCE AREAS UPGRADE OF SUCH DEVICES HAVE BEEN PERMANENTLY STABILIZED. REMOVAL OF TEMPORARY EROSION CONTROL DEVICES SHALL BEGIN WITH THE MOST UPGRADE DEVICES WORKING TOWARD THE MOST DOWN GRADE DEVICES.

NOTES:

1. THE PROPOSED DEVELOPMENT WILL DISTURB A TOTAL OF 4.90 ACRES AND THEREFORE REQUIRES A SWPPP THAT INCLUDES EROSION AND SEDIMENT CONTROLS AS PER NYSDEC SPDES GP-0-25-001.

ENGINEER

C.M. TERRIZZI ENGINEERING, PLLC
11 TERRIZZI DR.
WALLKILL, N.Y. 12589
(845) 239-2020

EROSION & SEDIMENT CONTROL PLAN AND DETAILS

SUBDIVISION FOR:
NASON
S.B.L.: 95.4-3-13.210 / 99 PEACH LANE / 23.38 ACRES
TOWN OF MARLBOROUGH, ULSTER COUNTY, NY

DATE	SCALE	SHEET NUMBER
3/29/2025	1" = 100'	3 OF 5

DEEP HOLE TESTS

LOT #1 TEST HOLE #: DT1-1	
DEPTH	SOIL TYPE
0'-6'	TOPSOIL
6'-52'	GRAVELLY SILTY CLAY LOAM

MOTTLING OBSERVED AT: N/A
WATER OBSERVED AT: N/A
BEDROCK OBSERVED AT: N/A

LOT #1 TEST HOLE #: DT1-2	
DEPTH	SOIL TYPE
0'-6'	TOPSOIL
6'-40'	SILTY CLAY LOAM
40'-60'	GRAVELLY SILT LOAM

MOTTLING OBSERVED AT: N/A
WATER OBSERVED AT: N/A
BEDROCK OBSERVED AT: N/A

LOT #2 TEST HOLE #: DT2-1	
DEPTH	SOIL TYPE
0'-5'	TOPSOIL
5'-32'	SILTY LOAM
32'-52'	MOTTLED CLAY

MOTTLING OBSERVED AT: 32'
WATER OBSERVED AT: N/A
BEDROCK OBSERVED AT: N/A

LOT #2 TEST HOLE #: DT2-2	
DEPTH	SOIL TYPE
0'-8'	TOPSOIL
8'-24'	GRAVELLY SILT LOAM
24'-56'	SANDY GRAVEL

MOTTLING OBSERVED AT: N/A
WATER OBSERVED AT: N/A
BEDROCK OBSERVED AT: N/A

LOT #3 TEST HOLE #: DT3-1	
DEPTH	SOIL TYPE
0'-5'	TOPSOIL
5'-14'	CLAY LOAM
14'-24'	MOTTLED CLAY

MOTTLING OBSERVED AT: 14'
WATER OBSERVED AT: N/A
BEDROCK OBSERVED AT: N/A

LOT #3 TEST HOLE #: DT3-2	
DEPTH	SOIL TYPE
0'-6'	TOPSOIL
6'-12'	CLAY LOAM
12'-20'	MOTTLED CLAY

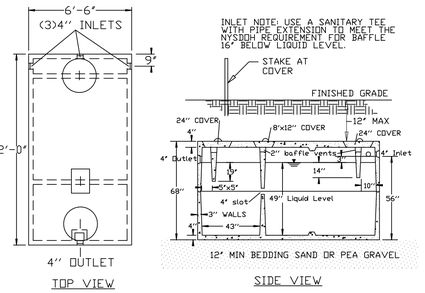
MOTTLING OBSERVED AT: 12'
WATER OBSERVED AT: N/A
BEDROCK OBSERVED AT: N/A

ALL DEEP SOILS TESTS PERFORMED AND WITNESSED BY UCDOH ON JANUARY 13, 2025

WASTEWATER TREATMENT DESIGN CRITERIA

LOCATION	PERC NO.	DEPTH OF PERC HOLE	STABILIZED PERC RATE	DESIGN PERC RATE	SYSTEM TYPE	DEPTH BELOW ORIGINAL GRADE TO TRENCH BOTTOM	DESIGN MINIMUM TRENCH LENGTH AT 110 GPD PER BEDROOM	
							REQUIRED	PROVIDED
PROPOSED LOT 1	PT1-1	24"	30 MINUTES	31-45 MINUTES	OPEN BOTTOM GRAVELLESS CHAMBERS*	24"	6 BEDROOMS MAX 496 LF*	500 LF
	PT1-2		40 MINUTES					
PROPOSED LOT 2	PT2-1	24"	8 MINUTES	16-20 MINUTES	OPEN BOTTOM GRAVELLESS CHAMBERS*	24" (PRIMARY)	4 BEDROOMS MAX 236 LF*	240 LF
	PT2-2	8"	15 MINUTES			8" (SHALLOW RESERVE)		
	PT2-3		19 MINUTES					
PROPOSED LOT 3	PT3-1	12"	50 MINUTES	21-30 MINUTES (22 MINUTE STABILIZED BORROW MATERIAL)	RAISED ELJEN GSF	12"	6 BEDROOMS MAX 188 LF	192 LF
	PT3-2		44 MINUTES					
	PT3-3		46 MINUTES					
PROPOSED LOT 4	SEE EXISTING ULSTER COUNTY HEALTH DEPARTMENT APPROVAL DATED NOVEMBER 2020.							

PROPOSED LOTS 1 & 2 PERC TESTS PERFORMED ON FEBRUARY 4, 2025.
PROPOSED LOT 3 PERC TESTS PERFORMED ON MARCH 22, 2025.
*QUALIFIES FOR 25% TRENCH LENGTH REDUCTION PER APPENDIX 75-A.



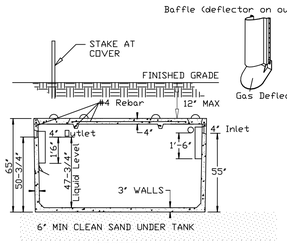
TOP VIEW

SIDE VIEW

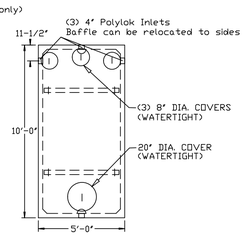
2,000 GAL SEPTIC TANK DETAIL

(NOT TO SCALE)

NOTES:
1. SEPTIC TANK SHALL BE PRECAST WOODDARDS CONCRETE PRODUCTS MODEL ST-2000 OR EQUAL.
2. CONCRETE MINIMUM STRENGTH: 4,000 P.S.I. AT 28 DAYS.
3. STEEL REINFORCEMENT: 6x6x10GA WWM.
4. CONSTRUCTION JOINT: SEALED WITH BUTYL RUBBER SEALANT.
5. POLYLOK SEAL TO BE USED AT ALL PIPE CONNECTIONS.
6. 12" MAX COVER WITHOUT RISER TO GRADE
7. USE SANITARY TEE AT INLET WITH PIPE EXTENSION TO MEET NYSDOH REQUIREMENT FOR BAFFLE 16" BELOW LIQUID LEVEL.
8. POLYLOK PL-68 EFFLUENT FILTER SHALL BE INSTALLED ON OUTLET AT LOT 3.



SECTION

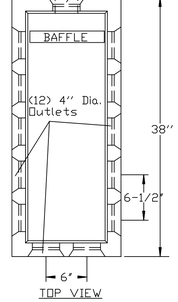


TOP VIEW

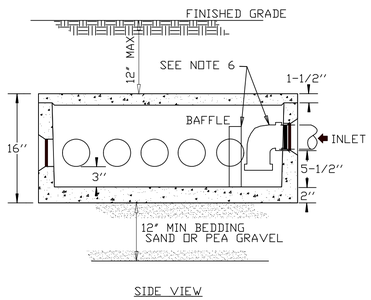
1,250 GAL SEPTIC TANK DETAIL

(NOT TO SCALE)

NOTES:
1. SEPTIC TANK SHALL BE PRECAST WOODDARDS CONCRETE PRODUCTS MODEL ST-1250 OR EQUAL.
2. CONCRETE MINIMUM STRENGTH: 4,000 P.S.I. AT 28 DAYS.
3. STEEL REINFORCEMENT: #4 BAR GR.60, FORTA FERRO 5LB/CY.
4. CONSTRUCTION JOINT: SEALED WITH BUTYL RUBBER SEALANT.
5. POLYLOK SEAL TO BE USED AT ALL PIPE CONNECTIONS.
6. 12" MAX COVER WITHOUT RISER TO GRADE



TOP VIEW

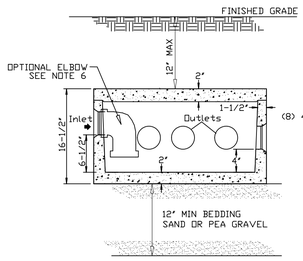


SIDE VIEW

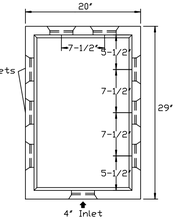
12 HOLE DISTRIBUTION BOX DETAIL

(NOTE TO SCALE)

NOTES:
1. DISTRIBUTION BOX SHALL BE PRECAST WOODDARDS CONCRETE PRODUCTS MODEL NO. DB-12 OR APPROVED EQUAL.
2. POLYLOK SEAL TO BE USED AT INLET AND ALL OUTLETS.
3. INVERT ELEVATIONS OF ALL OUTLETS TO LATERALS MUST BE EQUAL. FLOW EQUALIZERS ARE REQUIRED ON ALL OUTLETS. TUF-TITE SPEED LEVELERS OR EQUIVALENT.
4. ALL UNUSED OUTLETS SHALL BE SEALED AND ALL LATERAL ENDS SHALL BE CAPPED.
5. THE DISTRIBUTION BOX SHALL BE PLACED ON A 12" BED OF SAND OR PEA GRAVEL AND SHALL HAVE A MAXIMUM COVER OF 12".
6. PROVIDE 2" 90-DEGREE ELBOW & BAFFLE.



SIDE VIEW

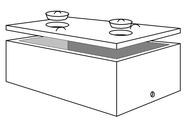


TOP VIEW

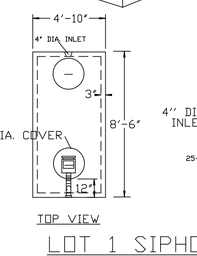
8 HOLE DISTRIBUTION BOX DETAIL

(NOT TO SCALE)

NOTES:
1. DISTRIBUTION BOX SHALL BE PRECAST WOODDARDS CONCRETE PRODUCTS MODEL NO. DB-9 OR EQUAL.
2. POLYLOK SEAL TO BE USED AT INLET AND ALL OUTLETS.
3. INVERT ELEVATIONS OF ALL OUTLETS TO LATERALS MUST BE EQUAL.
4. THE DISTRIBUTION BOX SHALL BE PLACED ON A 12" BED OF SAND OR PEA GRAVEL AND SHALL HAVE A MINIMUM COVER OF 12".
5. ALL UNUSED OUTLETS SHALL BE SEALED AND ALL LATERAL ENDS SHALL BE CAPPED.
6. BAFFLE TEE OR ELBOW REQUIRED WHEN INLET PIPE SLOPE EXCEEDS 1/2" PER FOOT.

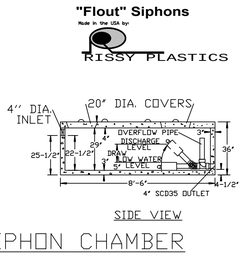


LOT 1 SIPHON CHAMBER CALCULATIONS			
80% LATERAL VOLUME	GAL PER INCH LL	DRAW	DOSING VOLUME
262 GAL	21.6 GAL	12"	259 GAL



TOP VIEW

"Flout" Siphons
Made in the USA by
RISSY PLASTICS

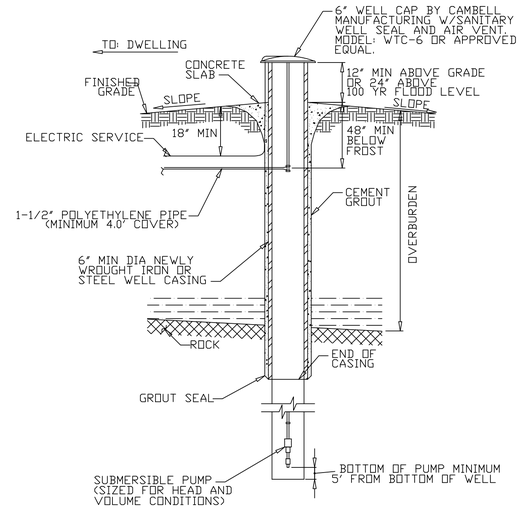


SIDE VIEW

LOT 1 SIPHON CHAMBER

(NOT TO SCALE)

NOTES:
1. SIPHON CHAMBER SHALL BE PRECAST WOODDARDS CONCRETE PRODUCTS MODEL SC-5x9 OR EQUAL.
2. CONCRETE MINIMUM STRENGTH: 4,000 P.S.I. AT 28 DAYS.
3. STEEL REINFORCEMENT: 6x6x10GA WWM.
4. CONSTRUCTION JOINT: SEALED WITH BUTYL RUBBER SEALANT.
5. POLYLOK SEAL TO BE USED AT ALL PIPE CONNECTIONS.
6. 12" MAX COVER WITHOUT RISER TO GRADE
7. SIPHON SHALL BE RISSY PLASTICS MODEL 313 SHORTENED TO A 12" DRAW.

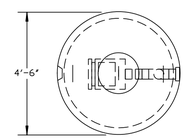


WELL DETAIL

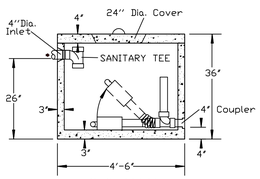
(NOT TO SCALE)

NOTES:
1. WELL SHALL BE CONSTRUCTED PER NYSDOH APPPENDIX 5-B, "STANDARDS FOR WATER WELLS, LATEST EDITION."
2. DRILL HOLE SHALL BE THE DIAMETER OF THE CASE PLUS 4", WITH 20' MINIMUM OF GROUT AND CASING INTO ROCK. GROUT MIXTURE SHALL BE 5.5 GALS OF WATER TO 1 BAG OF NEAT CEMENT
3. DRIVE CASING AT LEAST 10' IN ROCK.
4. WELL YIELD MUST BE AT LEAST 5 GPM
5. WELLS ARE TO BE INSTALLED IN THE LOCATIONS SHOWN ON THE APPROVED PLAN. MINIMUM
6. SEPARATIONS FROM WELLS MUST BE STRICTLY ADHERED TO.
   WELL CASING SHALL BE IN COMPLIANCE WITH "10 STATE STANDARDS" AND AWWA STANDARD
7. A-100, LATEST EDITION. A MINIMUM OF 40' OF WELL CASING SHALL BE USED.
   WELL CAP SHALL BE A MINIMUM OF 24" ABOVE THE 100 YR FLOOD ELEVATION.

LOT 3 SIPHON CHAMBER CALCULATIONS			
80% LATERAL VOLUME	GAL PER INCH LL	DRAW	DOSING VOLUME
100 GAL	7.82 GAL	13"	101 GAL



TOP VIEW



SIDE VIEW

LOT 3 SIPHON CHAMBER

(NOT TO SCALE)

NOTES:
1. SIPHON CHAMBER SHALL BE PRECAST WOODDARDS CONCRETE PRODUCTS MODEL SC-4x3 OR EQUAL.
2. CONCRETE MINIMUM STRENGTH: 4,000 P.S.I. AT 28 DAYS.
3. STEEL REINFORCEMENT: 6x6x10GA WWM.
4. CONSTRUCTION JOINT: SEALED WITH BUTYL RUBBER SEALANT.
5. POLYLOK SEAL TO BE USED AT ALL PIPE CONNECTIONS.
6. 12" MAX COVER WITHOUT RISER TO GRADE
7. SIPHON SHALL BE RISSY PLASTICS MODEL 313 WITH A 13" DRAW.

ENGINEER

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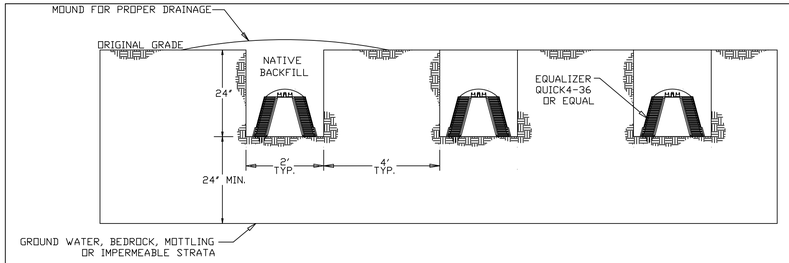
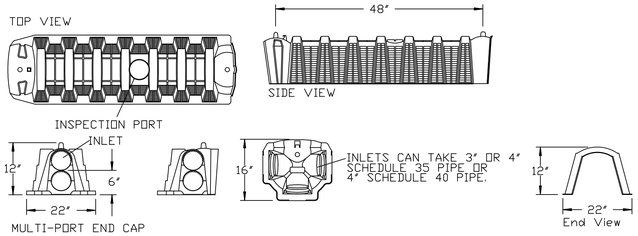
SEPTIC SYSTEM DESIGN CRITERIA & DETAILS

SUBDIVISION FOR:
NASON
S.B.L.: 95.4-3-13.210 / 99 PEACH LANE / 23.38 ACRES
TOWN OF MARLBOROUGH, ULSTER COUNTY, NY

DATE	SCALE	SHEET NUMBER
3/29/2025	N.T.S.	4 OF 5



LOT 1 & LOT 2 PRIMARY OPEN-BOTTOM GRAVELLESS CHAMBER SYSTEM



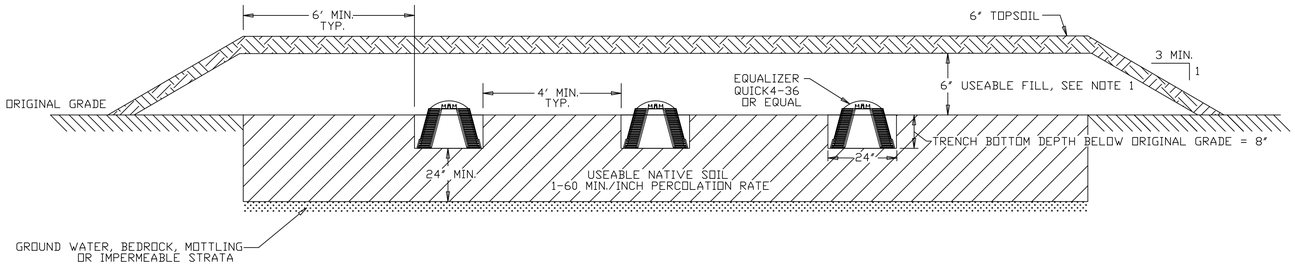
INFILTRATOR CHAMBER DETAILS

EQUALIZER QUICK4-36 OR EQUAL

NOTES:
1. END CAPS SHALL BE INSTALLED AT EACH TRENCH END.

TRENCH DETAIL
END VIEW
(NOT TO SCALE)

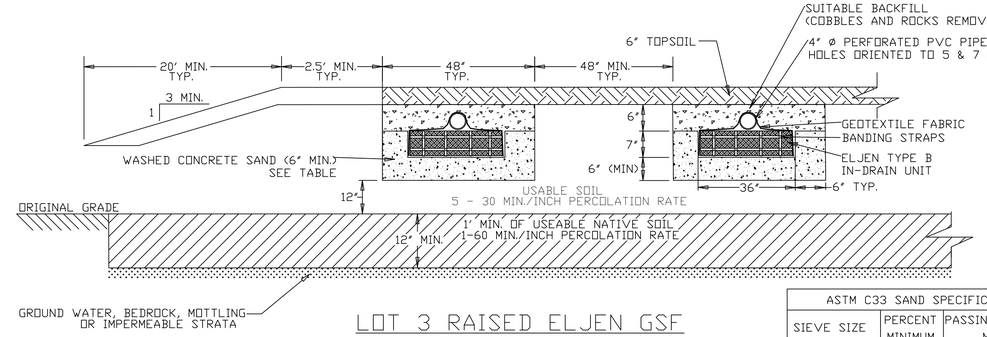
NOTES:
1. TRENCHES SHALL NOT BE INSTALLED IN WET SOIL.
2. SIDES AND BOTTOMS OF TRENCHES SHALL BE RAKED IMMEDIATELY PRIOR TO INSTALLATION.
3. TRENCHES SHALL BE PARALLEL TO GROUND CONTOURS AND TRENCH BOTTOMS SHALL BE LEVEL.



LOT 2 SHALLOW RESERVE OPEN-BOTTOM GRAVELLESS CHAMBER SYSTEM

END VIEW
(NOT TO SCALE)

NOTES:
1. USEABLE FILL SHALL HAVE A PERC RATE SIMILAR TO BUT NOT FASTER THAN THAT OF THE USEABLE SOIL.



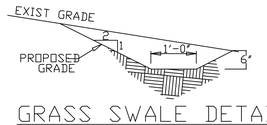
LOT 3 RAISED ELJEN GSF

END VIEW
(NOT TO SCALE)

ASTM C33 SAND SPECIFICATIONS		
SIEVE SIZE	PERCENT MINIMUM	PASSING BY WEIGHT MAXIMUM
3/8"	100	
NO. 4	95	100
NO. 8	80	100
NO. 16	50	85
NO. 30	25	60
NO. 50	5	30
NO. 100	1	10
NO. 200 (WET)	0	5

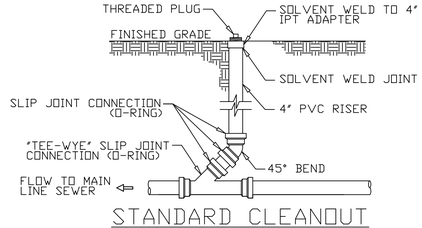
SEPTIC SYSTEM GENERAL NOTES:

1. ALL SEWAGE DISPOSAL SYSTEMS ARE TO BE LOCATED AT LEAST 100 FEET FROM STREAMS AND AT LEAST 35 FEET FROM DRAINAGE EASEMENTS.
2. NO MORE THAN ONE (1) SINGLE FAMILY DWELLING PER LOT.
3. NO SWIMMING POOLS, DRIVEWAYS OR STRUCTURES THAT MAY COMPACT THE SOIL SHALL BE LOCATED OVER ANY PORTION OF THE ABSORPTION FIELD.
4. ALL TREES ARE TO BE CUT AND REMOVED FROM THE AREA OF THE SEWAGE DISPOSAL SYSTEM IN A MANNER THAT WILL NOT SIGNIFICANTLY DISTURB THE VIRGIN SOIL.
5. NO ROOF, CELLAR, OR FOOTING DRAINS ARE TO BE DISCHARGED INTO THE AREA OF THE SEWAGE DISPOSAL SYSTEM, OR TOWARD THE WELL.
6. THE PERIMETER OF THE ABSORPTION FIELD SHALL BE GRADED TO DIVERT SURFACE RUNOFF.
7. ALL TRENCHES SHALL BE EQUAL LENGTH.
8. SEPTIC TANKS SHALL BE PRECAST CONCRETE AND SHALL BE MANUFACTURED TO WOODARDS CONCRETE PRODUCTS SPECIFICATIONS, OR AN APPROVED EQUAL.
9. A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER (OR OTHER DESIGN PROFESSIONAL AS ALLOWED BY THE NYS EDUCATION DEPT) SHALL INSPECT THE SANITARY FACILITIES AT THE TIME OF CONSTRUCTION. THE ENGINEER SHALL CERTIFY TO THE ULSTER 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 & TESTED FOR WATER TIGHTNESS.
10. THIS SEPTIC DISPOSAL SYSTEM WAS NOT DESIGNED TO ACCOMMODATE GARBAGE GRINDERS JACUZZI TYPE SPA TUBS (OVER 100 GAL.) OR WATER SOFTENERS. AS SUCH THESE ITEMS SHALL NOT BE INSTALLED UNLESS THE SEPTIC DISPOSAL SYSTEM IS REDESIGNED TO ACCOUNT FOR THEM AND APPROVED BY THE ORANGE COUNTY HEALTH DEPARTMENT.
11. NO GRADING CUTS ARE TO BE MADE IN THE AREA OF THE SEWAGE DISPOSAL SYSTEM NO FILL IS TO BE PLACED IN THE AREA OF THE SEWAGE DISPOSAL SYSTEM, UNLESS SO INDICATED ON THE PLANS.
12. PROPOSED SEWER LATERALS ARE TO BE LAID OUT AND CONSTRUCTED PARALLEL WITH EXISTING GROUND CONTOURS.
13. 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. 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.
14. THE DESIGN AND LOCATION OF THE SANITARY FACILITIES SHOWN SHALL NOT BE CHANGED WITHOUT REVIEW AND APPROVAL OF THE ORANGE COUNTY DEPARTMENT OF HEALTH.
15. SEPTIC TANKS SHOULD BE INSPECTED PERIODICALLY AND PUMPED EVERY 2-3 YEARS. DISTRIBUTION BOXES SHOULD BE INSPECTED ANNUALLY TO ASSURE THEY ARE LEVEL AND OPERATING PROPERLY. PUMP CHAMBERS SHOULD BE INSPECTED PERIODICALLY BY A TRAINED PERSON FOR PROPER OPERATION, INCLUDING HIGH WATER ALARMS, VENTING AND PHYSICAL DAMAGE.
16. THERE MUST BE AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC TANK (OR ANY PUMPING OR DOSING CHAMBER) TO THE BUILDING, ALLOWING SEPTIC GASES TO DISCHARGE THROUGH THE STACK VENT.
17. THE OWNER/APPLICANT SHALL BE PROVIDED WITH A COPY OF THE APPROVED PLANS AND AN ACCURATE AS-BUILT DRAWING OF ANY EXISTING SANITARY FACILITIES.
18. DISCHARGING BRINE BACKWASH FROM WATER SOFTENING EQUIPMENT TO THE SEPTIC SYSTEM MAY SHORTEN THE LIFE OF THE ABSORPTION FIELD.



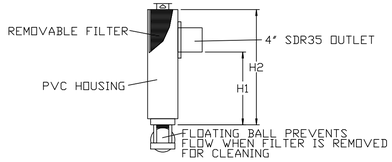
GRASS SWALE DETAIL

(NOT TO SCALE)



STANDARD CLEANOUT CONNECTION DETAIL

(NOT TO SCALE)

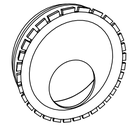


SEPTIC TANK EFFLUENT FILTER

(NOT TO SCALE)

POLYLOK PL-68	GPD FLOW	SLOT SIZE	LF FILTRATION	PIPE SIZE	H1/H2 (in)
	800	1/16"	68	3 OR 4	16/22

NOTES:
1. EFFLUENT FILTER SHALL BE POLYLOK PL-68 OR APPROVED EQUAL.
2. INSTALL BY GLUEING FILTER HOUSING TO SDR35 OUTLET PIPE WITHIN TANK.



TUF-TITE SPEED LEVELER DETAIL

(NOT TO SCALE)

INSERT LEVELER IN THE END OF ALL OUTLET PIPES IN THE D-BOX. ROTATE UNTIL EFFLUENT ENTERS ALL OUTLETS EQUALLY. FITS ALL 4" SMOOTH WALL AND CORRUGATED PIPES.

ELJEN SYSTEM NOTES:

1. THIS DESIGN AND CONSTRUCTION REQUIREMENT COMPLIES WITH APPENDIX 75-A AND LOCAL HEALTH DEPARTMENT REGULATIONS.
2. THIS DESIGN COMPLIES WITH AND MUST BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT ELJEN 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 BACKWASH FROM A WATER SOFTENER.
5. ORGANIC MATERIAL THAT CAN RESTRICT FLOW MUST BE REMOVED FOR RAISED BEDS. THE SOIL MUST BE SCARIFIED TO PROVIDE DEEP CHANNELS FOR THE SAND. A PLOWED INTERFACE ON CONTOUR IS RECOMMENDED TO PREPARE THE SOIL FOR FILL PLACEMENT.
6. SCARIFY ANY SMEARED SUBSOIL PRIOR TO FILL PLACEMENT.
7. FILL MATERIAL SHALL MEET OR EXCEED STATE OF NEW YORK CODE REQUIREMENTS. ALL FILL MATERIAL SHALL BE CLEAN BANK RUN SAND, 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 PLACE BELOW AND AROUND THE GSF MODULES, WITH 6 INCHES MINIMUM UNDERNEATH AND 6 INCHES MINIMUM SURROUNDING THE GSF MODULES IN TRENCH CONFIGURATIONS. IN BED SYSTEMS, USE 6 INCHES MINIMUM UNDERNEATH THE MODULES WITH 12 INCHES MINIMUM BETWEEN MODULE ROWS AND 12 INCHES MINIMUM AROUND THE PERIMETER OF THE MODULES.
9. ELJEN PROVIDED GEOTEXTILE COVER FABRIC SHALL PROVIDE PROPER TENSION AND ORIENTATION OF THE FABRIC AROUND THE SIDES OF THE PERFORATED PIPE ON TOP OF OF THE GSF MODULES. FABRIC SHOULD BE NEITHER TOO LOOSE, NOR TOO TIGHT. THE CORRECT TENSION OF THE COVER FABRIC IS SET BY:
   - SPREADING THE COVER FABRIC OVER THE TOP OF THE MODULE AND DOWN BOTH SIDES OF THE MODULE WITH THE COVER FABRIC TENTED OVER THE TOP OF THE PERFORATED DISTRIBUTION PIPE.
   - PLACE SHOVEL FULL?S 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.
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 OVER THE GSF MODULES AND FINAL COVER FOR VEGETATION OF 4 INCHES TO 6 INCHES OF CLEAN LOAM.
11. ANY SYSTEM WHICH IS MORE THAN 18 INCHES BELOW FINISH GRADE AS MEASURED FROM THE TOP OF THE MODULE SHALL BE VENTED.

ENGINEER

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SEPTIC SYSTEM DETAILS CONT.

SUBDIVISION FOR:

NASON

S.B.L.: 95.4-3-13.210 / 99 PEACH LANE / 23.38 ACRES

TOWN OF MARLBOROUGH, ULSTER COUNTY, NY

DATE	SCALE	SHEET NUMBER
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