LOCUS MAP
NOT TO SCALE

LEGEND

SUBJECT PROPERTY LINE		EXISTING WELL	
ABUTTER LINE		PROPOSED WELL	
STONEWALL		SILT SOCK	
IRON PIN		LIMIT OF DISTURBANCE	
BOUND		PRO. CONTOUR	
DRILL HOLE		PRO. ELECTRIC CONDUIT	
UTILITY POLE		APPROX.	APPROXIMATE
EX. CONTOUR		CONC.	CONCRETE
WETLAND EDGE		ELEV.	ELEVATION
50'PERIMETER WETLANDS		EX.	EXISTING
SOIL EVALUATION HOLE		MAX.	MAXIMUM
EDGE OF VEGETATION		MIN.	MINIMUM
EX. SEWER/SEPTIC LINE		PRO.	PROPOSED
PRO. SEWER/SEPTIC LINE		R&D	REMOVE & DISPOSE
PRO. STORMWATER DRAIN		R&R	REMOVE & REUSE
50'WELL RADIUS		REQ'D	REQUIRED
100'WELL RADIUS		RET.	RETAINING
		RISDISM	"RHODE ISLAND STORMWATER DESIGN & INSTALLATION STANDARDS MANUAL"
		SF	SQUARE FEET
		T.O.F.	TOP OF FOUNDATION

GENERAL NOTES:

1. THE LOCATION AND ELEVATION FOR ALL EXISTING UTILITIES SHALL BE CONSIDERED APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ANY CROSSINGS OF PROPOSED UTILITIES AND EXISTING UTILITIES. ANY DISCREPANCIES IN THE LOCATION OF ANY UTILITY SHOWN OR ENCOUNTERED DURING CONSTRUCTION SHALL BE REPORTED TO GROUNDBREAKING DESIGNS, LLC (401) 622-2932.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY DIG-SAFE (1-800-344-7233) A MINIMUM OF 72 WORKING HOURS, EXCLUDING WEEKENDS AND HOLIDAYS, PRIOR TO THE START OF ANY EXCAVATION WORK. THE NAME OF THE COMPANY PERFORMING THE EXCAVATION MUST BE SUPPLIED TO DIG-SAFE, IF IT IS DIFFERENT FROM THE CALLER.
3. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF ALL EXISTING UTILITIES, STRUCTURES, AND ABUTTING PROPERTIES. THE COST OF ANY REPAIR OR REPLACEMENT OF DAMAGED ITEMS SHALL BE BORNE BY THE CONTRACTOR.

REFERENCES

1. PROPERTY LINE INFORMATION AND SITE CONTOURS OBTAINED FROM SURVEY PERFORMED BY NATIONAL LAND-SURVEYORS, INC.
2. OFF-SITE CONTOURS OBTAINED FROM RIGIS LIDAR DATA.
3. AERIAL IMAGERY OBTAINED FROM RIGIS AERIAL IMAGERY DATA.
4. FRESHWATER WETLAND PERMIT APPLICATION #95-0322.
5. OWTS PERMIT APPLICATION #9313-1282.

PREVIOUS VIOLATION NOTE

1. AS PER FILE NO: C99-0495, A NOTICE OF INTENT TO ENFORCE WAS ISSUED ON THE SUBJECT SITE IN THE YEAR 2000. THE VIOLATION HAS SINCE BEEN ADDRESSED AND CORRECTED. SEE THE LIST OF PLANTINGS ADJACENT TO THIS NOTE.

PLANTINGS

1.	TREES	
1.1.	AMERICAN BEECH TREES:	5
1.2.	BLACK BIRCH:	5
1.3.	NORTHERN WHITE CEDAR:	5
2.	SHRUBS/BUSHES	
2.1.	SWEET PEPPER BUSH:	9
2.2.	BLUE MUFFIN BUSH:	8
2.3.	INKBERRY:	9
2.4.	BLACK CHOKEBERRY:	8
2.5.	WITCH HAZEL:	8
2.6.	AMERICAN CRANBERRY BUSH:	8
2.7.	WINTERBERRY:	8

NORBERT A. THERIEN
STATE OF RHODE ISLAND
No. 1739
HOPE
PROFESSIONAL LAND SURVEYOR

NATIONAL
Surveyors-Developers
Inc.
42 Hamlet Ave., Woonsocket, R.I.
(401) 769-7779

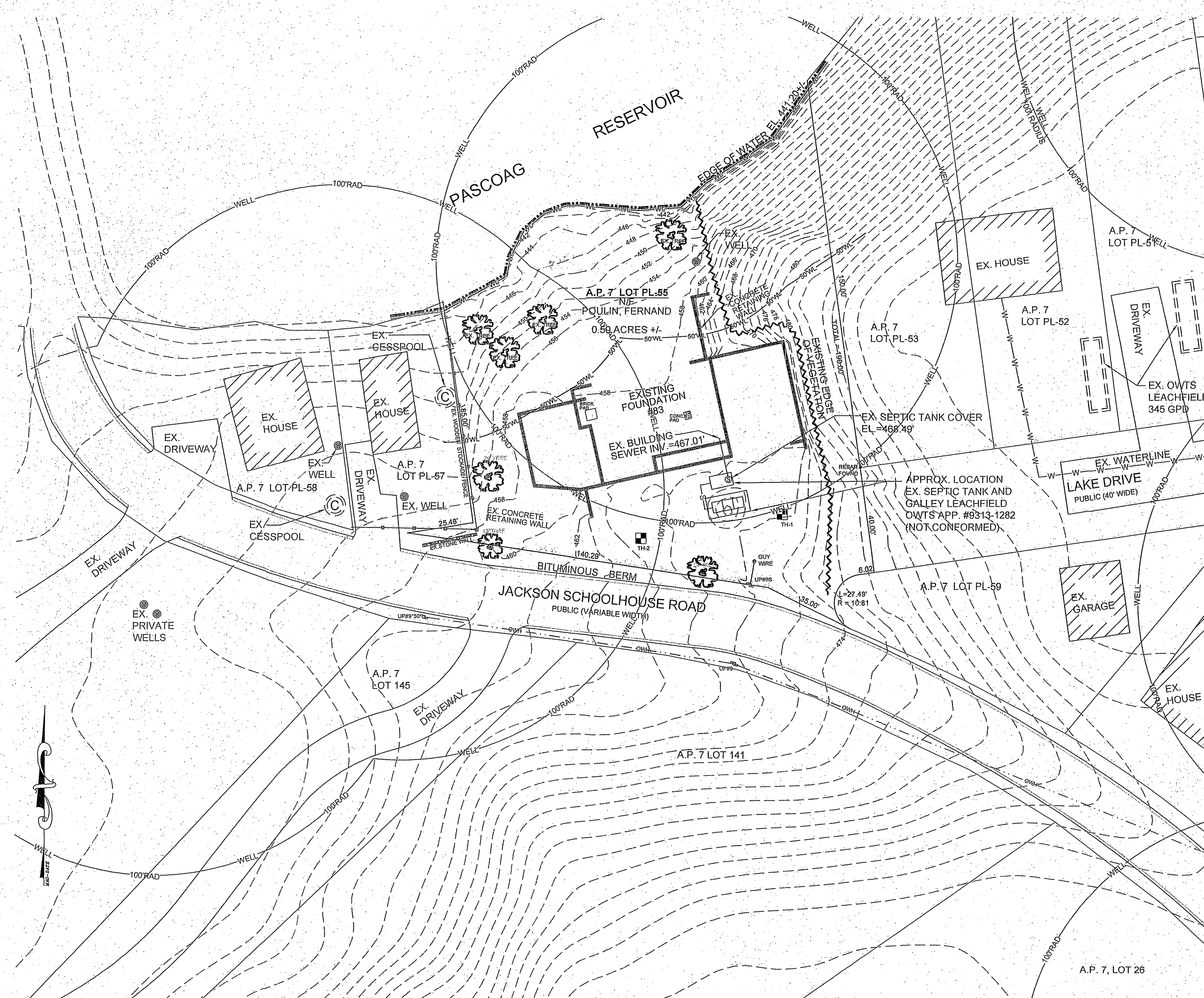
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

TYPE OF SURVEY: CLASS I & III

PURPOSE OF SURVEY: PROPERTY LINE AND TOPOGRAPHY

BY: Norbert A. Therien
NORBERT A. THERIEN P.L.S.

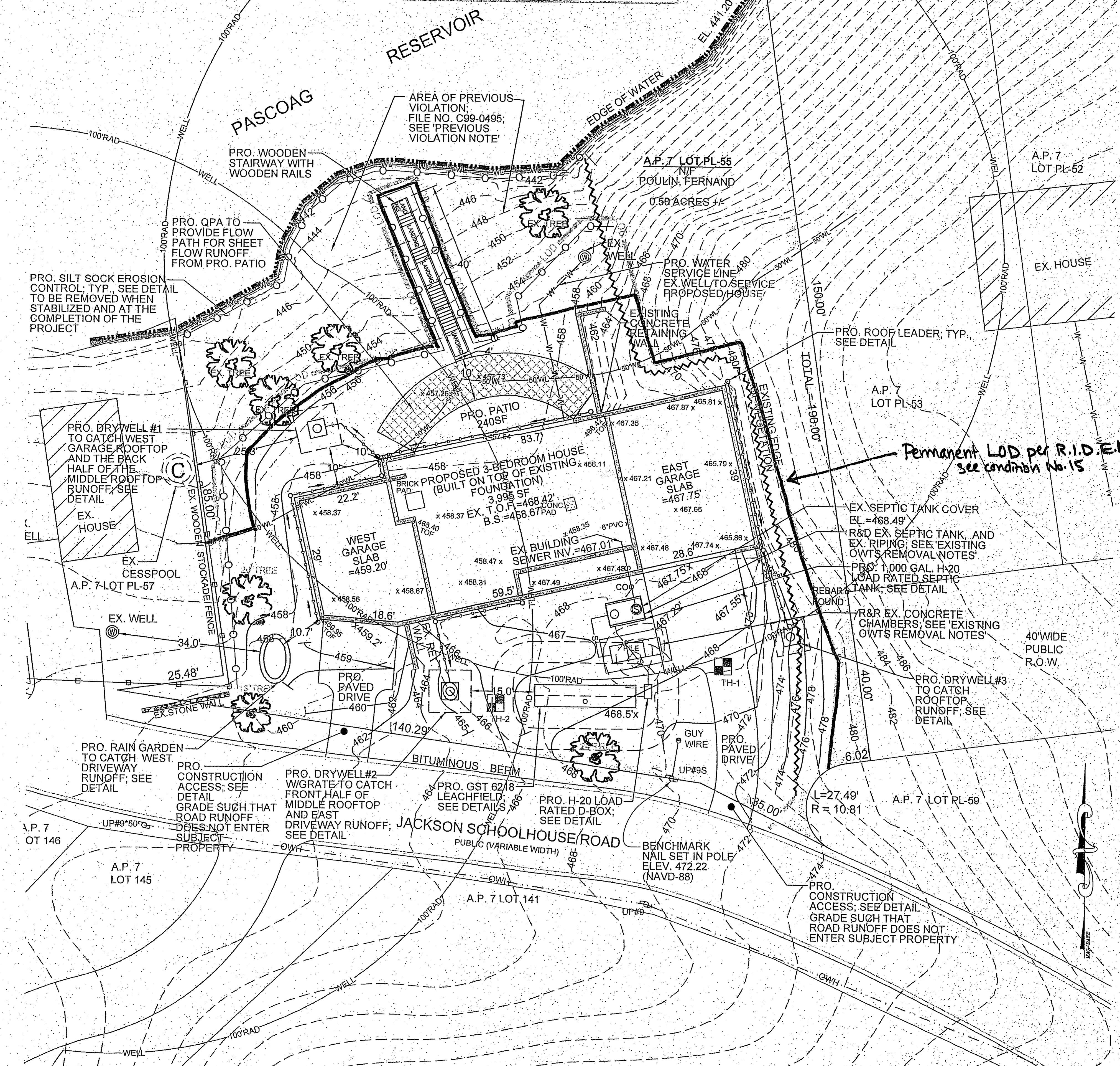
OWNER/APPLICANT
FERNAND POULIN
61 HARKNESS RD.
MILLVILLE, MA 01529



EXISTING CONDITIONS PLAN
SCALE: 1"=30'

GRAPHIC SCALE
30 0 15 30 60
1" = 30 FEET

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
OWTS & FRESHWATER WETLANDS
JOINT PERMIT APPROVAL
OWTS# 9313-1282 FWW# 21-0218
APPROVED [signature] DATE 4/18/22
No Changes Allowed Without RIDEM Approval
Approved Plans/Permit Must Be Kept at Construction Site



PROPOSED SITE PLAN
SCALE: 1"=20'

GRAPHIC SCALE
20 0 10 20 40
1" = 20 FEET

RI DEM JOINT WETLANDS/OWTS APPLICATION PLAN

83 JACKSON SCHOOLHOUSE ROAD

PROPOSED SITE PLAN

A.P. 7, LOT PL-55
GLOCESTER, RHODE ISLAND 02814
SCALE: AS SHOWN DATE: 07/20/21 SHEET 1 of 2

Environmental Management
MAR 17 2022
Office of Water

REVISIONS:

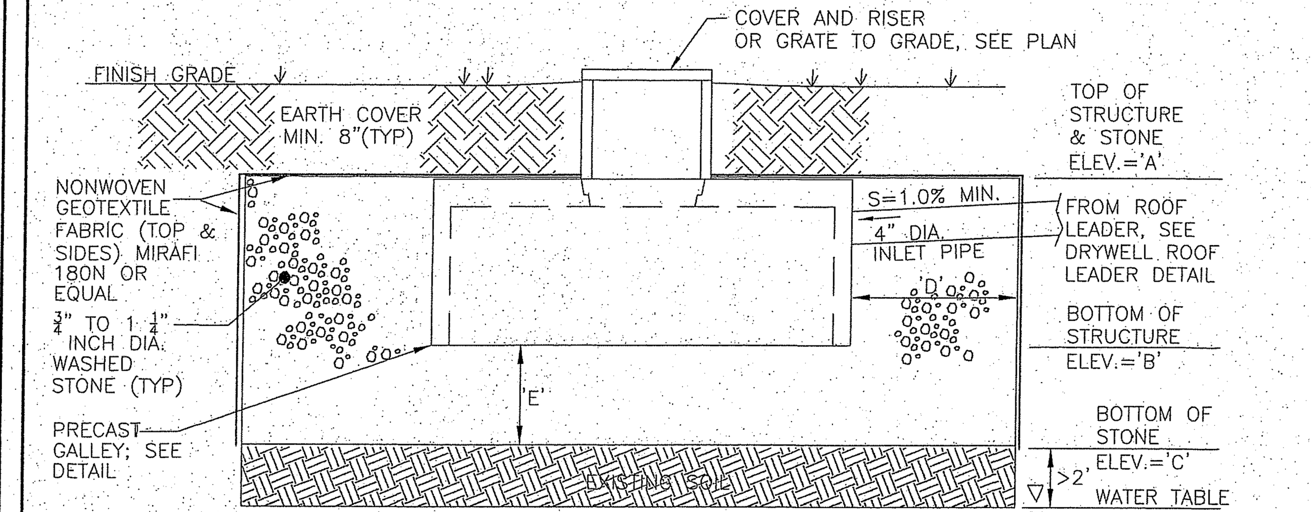
NO.	DATE	DESCRIPTION	BY
1.	3-16-22	DEM COMMENTS	DKM

JOB NO.: 21.16

REGISTRATION:

DAVID KENNETH MANONI
REGISTERED PROFESSIONAL ENGINEER (Civil)

GROUNDBREAKING DESIGNS, LLC
CIVIL ENGINEERING SOLUTIONS
90 HIGHLAND AVE., SOUTH KINGSTOWN, RI 02879 PHONE: (401) 622-2932



ROOF DRYWELL DETAIL

NOT TO SCALE

DIMENSION/ELEVATION SCHEDULE:

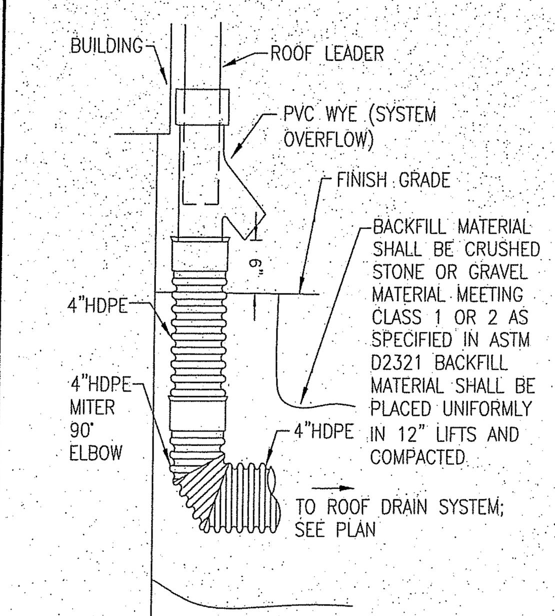
DRYWELL #1	DRYWELL #2 (W/GRATE)	DRYWELL #3
'A' = 454.0'	'A' = 463.5'	'A' = 471.33'
'B' = 450.0'	'B' = 459.5'	'B' = 467.33'
'C' = 449.0'	'C' = 458.5'	'C' = 466.33'
'D' = 36"	'D' = 36"	'D' = 24"
'E' = 12"	'E' = 12"	'E' = 12"

TYPICAL NOTES:

1. CRUSHED STONE SHALL BE CLEAN WITH NO FINES.
2. CRUSHED STONE SHALL BE WRAPPED WITH FABRIC ON TOP & SIDES.
3. SCARIFY BOTTOM PRIOR TO PLACEMENT OF STONE.
4. PIPE ROOF RUNOFF FROM DOWNSPOUTS (WHERE INDICATED) TO DRYWELL TO MAXIMUM EXTENT POSSIBLE.
5. DO NOT ALLOW SEDIMENT LAIDEN RUNOFF TO ENTER DRYWELL.
6. 4" PIPE SHALL BE HDPE OR APPROVED EQUAL, MINIMUM SLOPE = 1.0% (1/8" PER FOOT).

DRYWELL MAINTENANCE:

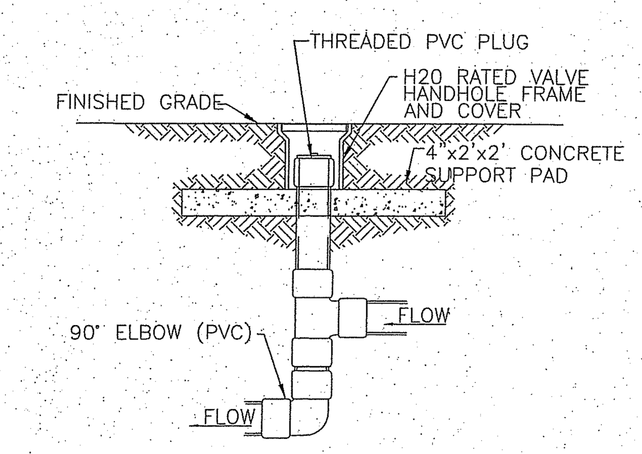
1. MATERIALS DEPOSITED ON THE SURFACE (E.G., TRASH AND LITTER) SHALL BE REMOVED MANUALLY. ENSURE DRYWELL GRATE IS NOT BLOCKED OR COVERED.
2. INSPECT THE DRYWELLS ANNUALLY AND AFTER STORM EVENTS OF GREATER THAN OR EQUAL TO THE 1-YEAR, 24-HOUR TYPE III PRECIPITATION EVENT (2.7"/24HR).
3. IF SEDIMENT BUILDUP IS GREATER THAN 6"WITHIN THE DRYWELL; IT SHALL BE REMOVED.
4. IF SEDIMENT OR ORGANIC DEBRIS BUILD-UP HAS LIMITED THE INFILTRATION CAPABILITIES TO BELOW THE DESIGN RATE, THE STONE BELOW THE DRYWELL STRUCTURE SHALL BE REMOVED AND REPLACED WITH NEW 3/4"-1 1/2" WASHED STONE AND THE DRYWELL SHALL BE RESTORED TO ITS ORIGINAL DESIGN SPECIFICATIONS.
5. THE REMOVED MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL AND LOCAL REGULATIONS.



NOTE:
FOR PIPE BELOW A PAVED SURFACE: A MIN. OF 12" OF BACKFILL MATERIAL IS REQUIRED OVER THE TOP OF THE PIPE CROWN MEASURED FROM THE BOTTOM OF THE PAVEMENT.

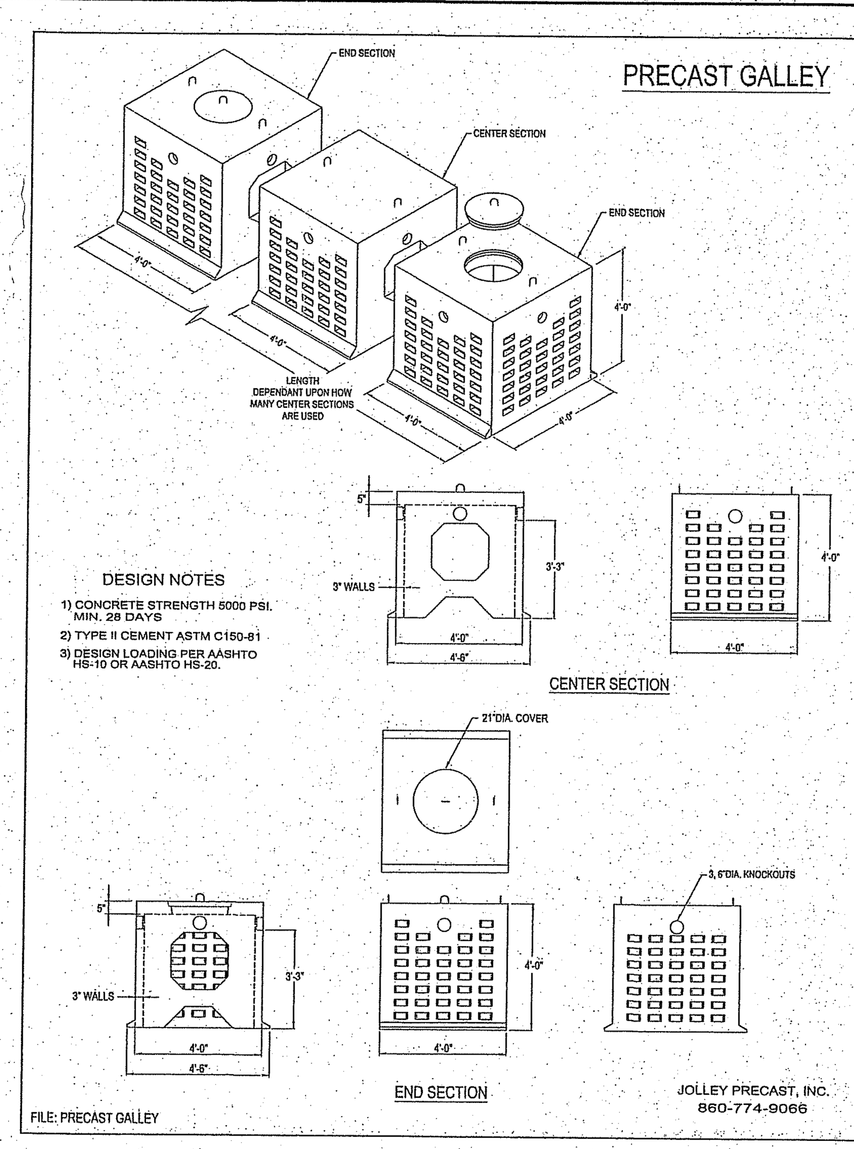
DRYWELL ROOF LEADER DETAIL

NOT TO SCALE



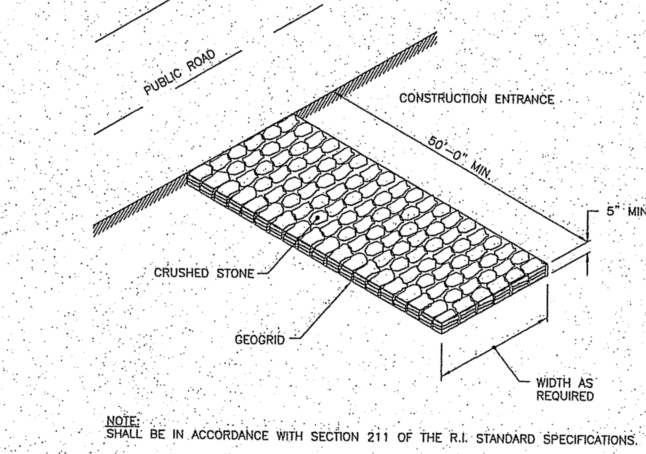
CLEANOUT DETAIL

NOT TO SCALE



PRECAST GALLEY DETAIL

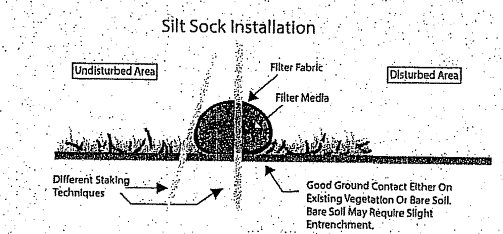
NOT TO SCALE



NOTE:
SHALL BE IN ACCORDANCE WITH SECTION 211 OF THE R.I. STANDARD SPECIFICATIONS.

CONSTRUCTION ACCESS (R.I. STANDARD 9.9.0)

Silt Sock Installation



SILT SOCK DETAIL

NOT TO SCALE

QPA NOTES:

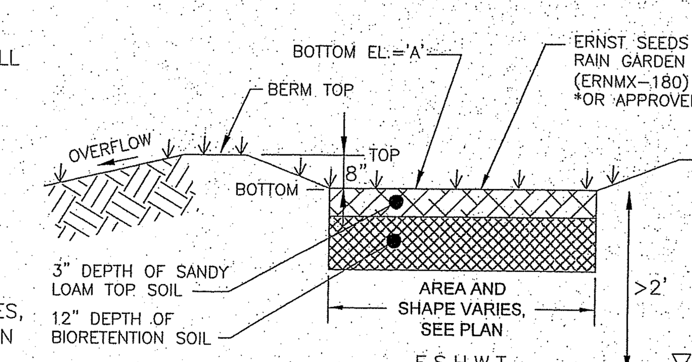
1. CONSTRUCTION VEHICLES SHALL AVOID DRIVING OVER QPA AREAS TO THE MAXIMUM EXTENT POSSIBLE.
2. IF QPA SOILS ARE COMPACTED, THEN THE SOIL MUST BE AMENDED, TILLED, AND RE-VEGETATED ONCE CONSTRUCTION IS COMPLETE TO RESTORE INFILTRATION CAPACITY.
3. THE SLOPE OF THE QPA MUST BE LESS THAN OR EQUAL TO 5.0%
4. THE QPA MUST BE INSPECTED YEARLY TO ENSURE NO BUILD-UP OF SEDIMENT. IF THERE IS ACCUMULATION OF SEDIMENT, THEN THE SEDIMENT SHALL BE REMOVED AND THE QPA SHALL BE RESTORED.

RAIN GARDEN NOTES:

1. DO NOT COMPACT SOILS IN RAIN GARDEN AREA. TILL BOTTOM OF RAIN GARDEN PRIOR TO PLACEMENT OF SANDY LOAM TOPSOIL AND BIORETENTION SOIL TO PROMOTE GOOD INFILTRATION RATES.
2. FINE GRADE RAIN GARDEN SO IT HOLDS REQUIRED DEPTH OF RUNOFF PRIOR TO OVERFLOWING.
3. BIORETENTION SOIL MIX (BY VOLUME):

SAND	85 TO 88%
SILT	0 TO 12%
CLAY	0 TO 2%
ORGANIC MATTER	3 TO 5%

4. THE BIORETENTION SOIL SHOULD BE FREE OF STONES, STUMPS, ROOTS, OTHER WOODY MATERIAL OVER 1" IN DIAMETER, OR BRUSH/SEEDS FROM NOXIOUS WEEDS. PLACEMENT OF THE SOIL SHOULD BE IN LIFTS OF 6 INCHES, LOOSELY COMPACTED (TAMPED LIGHTLY WITH A BACKHOE BUCKET).

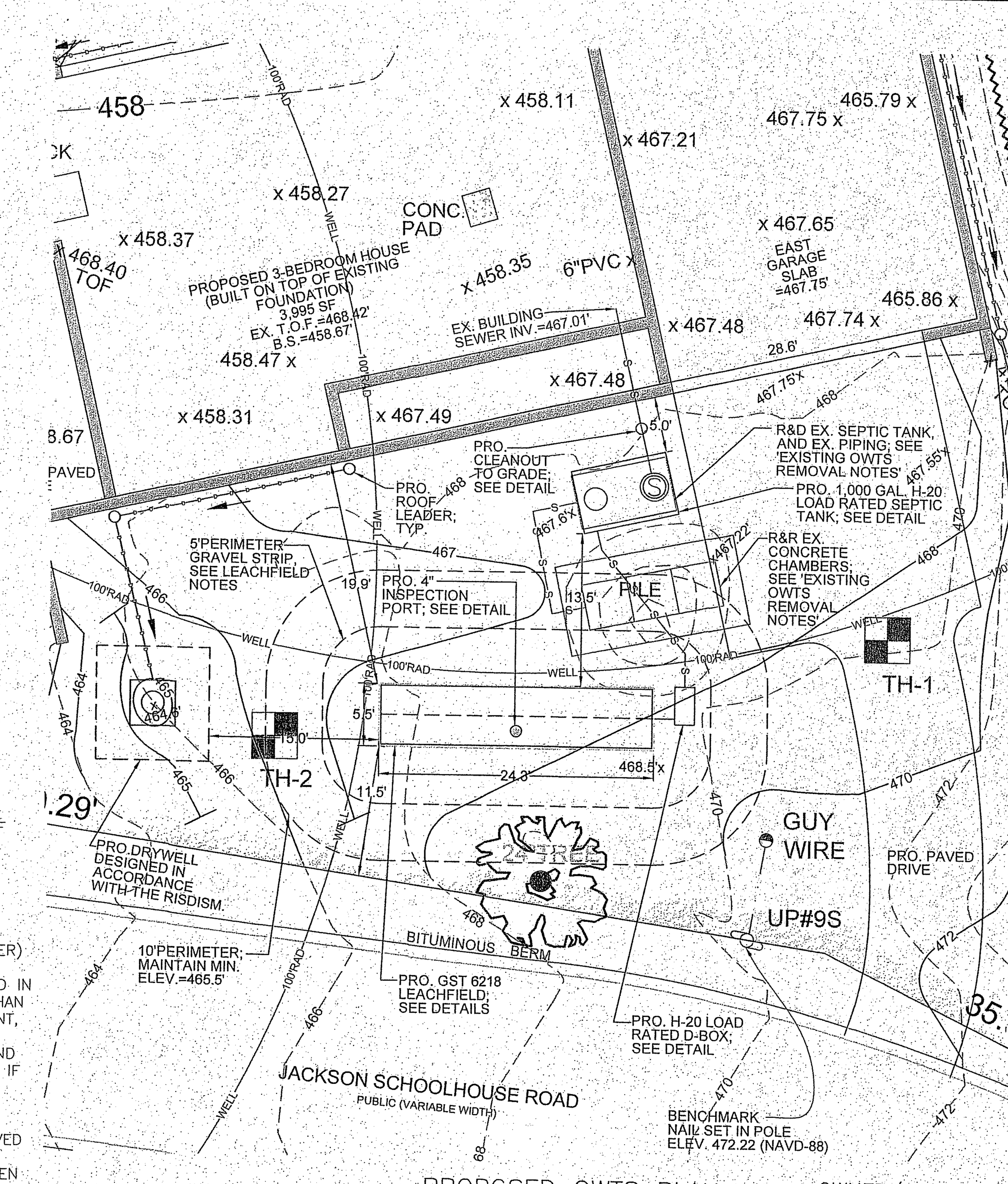


RAIN GARDEN DETAIL

NOT TO SCALE

RAIN GARDEN MAINTENANCE:

1. MATERIALS DEPOSITED ON THE SURFACE (E.G., TRASH AND LITTER) SHALL BE REMOVED MANUALLY.
2. IF STANDING WATER IS OBSERVED IN THE RAIN GARDEN FOR MORE THAN 48 HOURS AFTER A STORM EVENT, THEN THE TOP 6 INCHES OF MATERIAL SHALL BE REMOVED AND REPLACED WITH NEW MATERIAL. IF DISCOLORED OR CONTAMINATED MATERIAL IS FOUND BELOW THIS REMOVED SURFACE THEN THAT MATERIAL SHALL ALSO BE REMOVED AND REPLACED UNTIL ALL CONTAMINATED MATERIAL HAS BEEN REMOVED FROM THE RAIN GARDEN. THE REMOVED MATERIAL SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL AND LOCAL REGULATIONS.

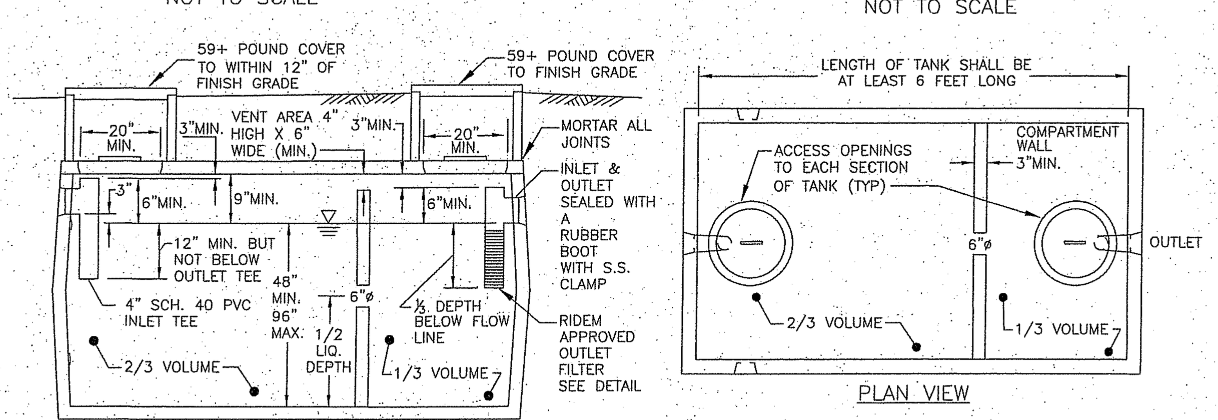


PROPOSED OWTS PLAN

SCALE: 1"=10'

OWNER/APPLICANT

FERNAND POULIN
61 HARKNESS RD.
MILLVILLE, MA 01529



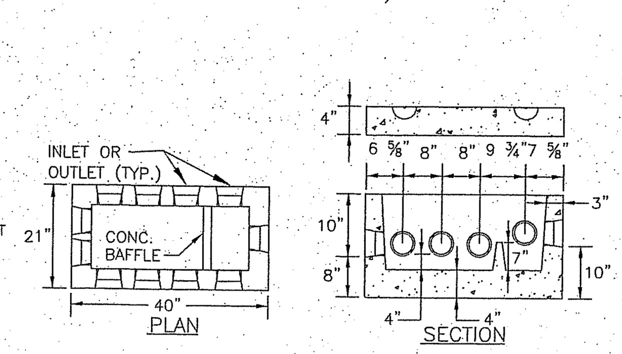
SECTION **SEPTIC TANK, RISERS, AND COVERS SHALL BE H-20 LOAD RATED**

SEPTIC TANK NOTES:

1. SEPTIC TANK, RISERS, AND COVERS SHALL H-20 LOAD RATED
2. SEPTIC TANK SHALL BE WATER TIGHT AND CONSTRUCTED OF PRECAST REINFORCED CONCRETE.
3. PRECAST REINFORCED CONCRETE TANKS SHALL CONFORM WITH ASTM C-1227-02, LATEST EDITION,
4. TANKS SHALL BE PERMANENTLY MARKED AT THE INLET END OF THE TANK WITH DATE OF MANUFACTURER; NAME OF MANUFACTURER; CAPACITY; AN EXTERNAL LOADS FOR WHICH TANK IS DESIGNED TO RESIST.
5. A WARNING LABEL AT ALL OPENINGS SHALL BE PROVIDED WHICH READS "ENTRANCE INTO THE TANK COULD BE FATAL".
6. TANK SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
7. TANK SHALL BE INSTALLED ON A LEVEL, STABLE BASE THAT WILL NOT SETTLE.
8. SURFACE WATER SHALL BE DIVERTED AWAY FROM THE TANK OPENINGS.
9. TANK SHALL NOT BE DAMAGED DURING BACKFILLING. BACKFILL MATERIAL SHALL BE FREE OF LARGE STONES, STUMPS, WASTE, CONSTRUCTION MATERIAL, RUBBISH, ORGANIC MATERIAL, AND FROZEN SOILS.
10. TANK AND RISERS SHALL BE TESTED FOR WATER TIGHTNESS BY EITHER VACUUM TESTING OR WATER PRESSURE TEST AS SPECIFIED IN THE 'RULES'. CONTRACTOR SHALL PROVIDE WRITTEN CERTIFICATION THAT THE TEST PASSED PRIOR TO C.O.C.
11. JOINTS OF ALL CONCRETE TANKS SHALL BE SEALED WITH A 1" DIA. BUTYL RUBBER SEALANT OR APPROVED EQUAL.

SEPTIC TANK (SEE PLAN FOR SIZE)

NOT TO SCALE

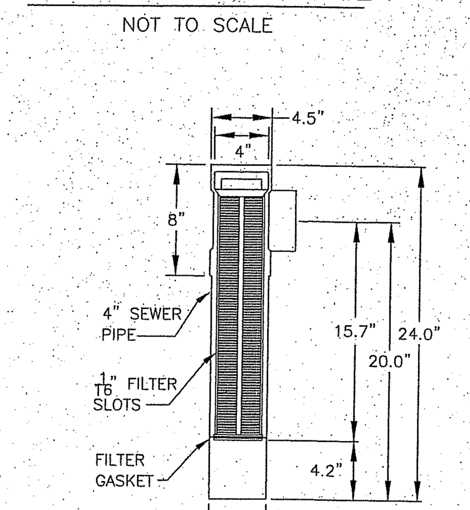


DISTRIBUTION BOX

NOT TO SCALE

DISTRIBUTION BOX NOTES:

1. D-BOX SHALL BE CONSTRUCTED OF 4,000 PSI (MIN.) CONCRETE; BE CAPABLE OF WITHSTANDING H-20 LOADINGS & A TOP LOAD CARRYING CAPACITY OF 300 LBS/ SQ. INCH.
2. INLET SHALL ACCEPT 4" SCH 40 OR SDR 35 PVC PIPE.
3. OUTLETS SHALL HAVE STATE APPROVED SEALS THAT ACCEPT 4" SCH 40 OR 4" SDR 35 PVC PIPE.
4. EXTEND COVER TO WITHIN 12" OF FINISHED GRADE WITH CONCRETE RISERS AND PLACE A MARKER TO FINISH GRADE OVER THE COVER.
5. D-BOX SHALL BE PLACED ON A LEVEL AND COMPACTED BASE.
6. D-BOX SHALL HAVE A MINIMUM AREA OF 3 SQUARE FEET.
7. PROVIDE AN INLET TEE IF A CONCRETE BAFFLE IS NOT PROVIDED.
8. PIIPES SHALL EXTEND INTO THE DISTRIBUTION BOX ONE (1) INCH.
9. D-BOX AND ALL PIPE PENETRATIONS SHALL BE MADE WATER TIGHT.



EFFLUENT FILTER

NOT TO SCALE

GST LEACHFIELD DESIGN

3 BEDROOM DWELLING
115 GAL/BR/DAY = 345 GAL/DAY /
0.61 GAL/SF/DAY = 566 SF REQUIRED
GST 6218 LEACHFIELD
24.8 SF/LF
PROPOSED ONE 24' TRENCH = 24 LF PROPOSED
TOTAL AREA OF SYSTEM = 595.2 SF > 566 SF REQUIRED

TH-1

HORIZON	DEPTH	TEXTURE	SOIL CATEGORY
Ap	0-8"	SL	3
Bw	8-18"	G,LS	1M
C	18-120"	G,S	1M

E.S.H.G.W.T. = 120"
DESIGN LOADING RATE = 0.61 GAL/SF/DAY

TH-2

HORIZON	DEPTH	TEXTURE	SOIL CATEGORY
C	24"-0	FILL/HTM	
Ap	0-5"	SL	3
Bw	5-14"	G,LS	1M
C	14-120"	G,S	1M

E.S.H.G.W.T. = 120"
DESIGN LOADING RATE = 0.61 GAL/SF/DAY

OWNER'S NOTES:

1. FOOD/GARBAGE GRINDERS ARE PROHIBITED FROM BEING CONNECTED TO THE SEPTIC SYSTEM.
2. VEHICLE PARKING OR TRAFFIC OVER THE SEPTIC TANK IS PROHIBITED.
3. BACKWASH WATER FROM WATER TREATMENT SYSTEMS (IF INSTALLED) SHALL NOT BE DISCHARGED INTO THE SEPTIC SYSTEM.
4. SEPTIC TANKS SHALL BE PUMPED OUT EVERY 24 MONTHS AND EFFLUENT FILTERS WASHED ANNUALLY UNLESS MORE FREQUENT MAINTENANCE IS DETERMINED TO BE REQUIRED BY OPERATION AND MAINTENANCE PROVIDER OF THE OWTS SYSTEM.
5. ONLY WASTEWATER AS DEFINED IN THE RIDEM OWTS REGULATIONS IS ALLOWED TO BE DISCHARGED INTO THE SEPTIC SYSTEM. ABSOLUTELY NO CHEMICALS, OILS, FATS, GREASE, OR PAINTS ARE ALLOWED. THIS IS NOT A GARBAGE DISPOSAL SYSTEM.
6. BATHTUBS GREATER THAN 100 GALLONS ARE NOT ALLOWED IN THE HOUSE.
7. NO TREES OR LARGE SHRUBS SHALL BE PLANTED WITHIN 10 FEET OF THE LEACHFIELD.
8. NO SUBSURFACE DRAINS OR SUBDRAINS SHALL BE INSTALLED WITHIN 50 FEET OF THE OWTS UNLESS IN ACCORDANCE WITH OWTS REGULATIONS.
9. THE DESIGN INTENT IS TO MEET THE STATE STANDARDS. THE SYSTEM OPERATION IS DEPENDENT ON PROPER USAGE; AND IT'S OPERATION IS NOT GUARANTEED BY THIS PLAN.

CONTRACTOR'S NOTES - CONSTRUCTION:

1. NOTIFY ENGINEER 5 DAYS PRIOR TO START OF CONSTRUCTION.
2. ENGINEER TO APPROVE BOTTOM OF LEACHFIELD BED PRIOR TO PLACEMENT OF SAND.
3. SCARIFY LEACHFIELD BOTTOM IMMEDIATELY PRIOR TO PLACEMENT OF SAND, NOT THE DAY BEFORE.
4. ENGINEER TO INSPECT SEPTIC TANK PRIOR TO BACKFILLING. CONTRACTOR SHALL PROVIDE VACUUM TEST REPORT FROM TANK MANUFACTURER.
5. ENGINEER TO INSPECT COMPLETED SYSTEM PRIOR TO BACKFILLING. FINE GRADE LEACHFIELD AND SEPTIC TANK AREA SO RUNOFF DOES NOT FLOW ONTO AREA FROM UPLAND AREAS DURING & AFTER CONSTRUCTION.
6. ALL CONCRETE RISER SECTIONS SHALL BE MORTARED/SEALED WATERTIGHT TO TANK.
7. CONTRACTOR TO VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES BETWEEN FIELD AND DESIGN DATA SHOWN HEREON TO BE REPORTED TO THE ENGINEER.
8. ANY DAMAGE OR DISTURBANCE OF LAND DUE TO CONSTRUCTION ACTIVITIES TO ABUTTING PROPERTIES SHALL BE REPAIRED BY THE CONTRACTOR.

LEACHFIELD NOTES:

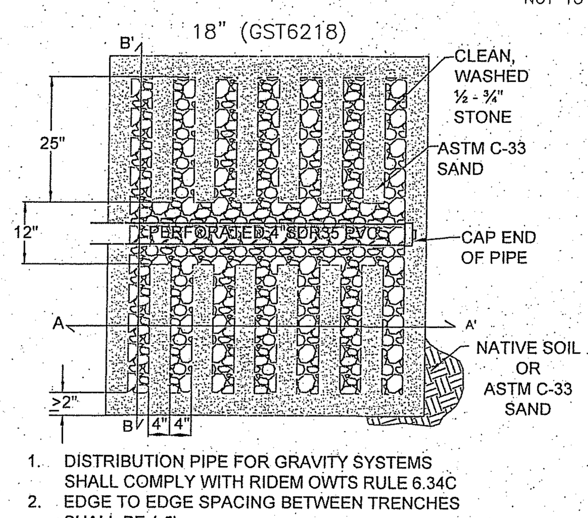
1. 5'PERIMETER STRIP: ALL ORGANIC HORIZONS, A-HORIZONS, AND FILL LOCATED BELOW THE SYSTEM AND WITHIN A 5' PERIMETER SHALL BE REMOVED AND REPLACED WITH SEPTIC GRAVEL. THE SEPTIC GRAVEL SHALL BE PLACED THROUGHOUT THE EXCAVATION AND COMPACTED TO AN ELEVATION 2" ABOVE THE DISTRIBUTION LINES (EL.=466.0'). THE TRENCHES SHALL BE EXCAVATED OUT OF THE COMPACTED GRAVEL.

EXISTING OWTS REMOVAL NOTES

1. REMOVE & PROPERLY DISPOSE OF EXISTING SEPTIC TANK, D-BOX, AND PIPING.
2. REMOVE THE EXISTING GALLEYS, IF THEY ARE IN SATISFACTORY CONDITION, THEY MAY BE REUSED FOR THE PROPOSED DRYWELL SYSTEMS. IF THE STRUCTURES ARE COMPROMISED, THEN PROPERLY REMOVE OFF SITE.

GENERAL NOTES:

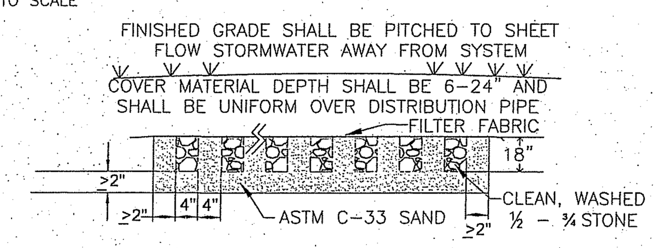
1. THIS PLAN WAS PREPARED FOR RIDEM SEPTIC SYSTEM PERMIT ONLY AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER. THIS IS NOT THE BUILDING PERMIT PLOT PLAN.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE "RULES ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ONSITE WASTEWATER TREATMENT SYSTEMS", LATEST REVISION, AS REGULATED THROUGH THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (THESE ARE REFERRED TO AS THE 'RULES').
3. THE PROPOSED ACTIVITIES (ARE ___) OR (ARE NOT _X_) UNDER THE RHODE ISLAND COASTAL RESOURCE MANAGEMENT COUNCIL'S JURISDICTION.
4. PUBLIC SEWERS (ARE ___) OR (ARE NOT _X_) LOCATED WITHIN 200 FEET OF THE PROPERTY LINE.
5. DRINKING WATER LINES (ARE _X_) OR (ARE NOT ___) LOCATED WITHIN 50 FEET OF THE PROPOSED OWTS. ALL DRINKING WATER LINES WITHIN 50 FEET OF THE PROPOSED OWTS HAVE BEEN SHOWN, IF PRESENT.
6. WATER SUPPLY IS BY (PUBLIC WATER SYSTEM ___) OR (PRIVATE WELL _X_).
7. THERE (ARE _X_) OR (ARE NOT ___) EXISTING AND PROPOSED PRIVATE DRINKING WATER WELLS LOCATED WITHIN THE SPECIFIED SETBACK DETAILED IN TABLE 22.5 OF THE 'RULES' + 100 FEET. IF WELL(S) ARE PRESENT, THEY HAVE BEEN SHOWN ON THE PLAN.
8. THERE (ARE ___) OR (ARE NOT _X_) EXISTING AND PROPOSED WELLS SERVING NON-POTABLE USES WITHIN 100' OF THE OWTS. IF WELL(S) ARE PRESENT, THEY HAVE BEEN SHOWN ON THE PLAN.
9. THERE (ARE ___) OR (ARE NOT _X_) EXISTING AND PROPOSED PUBLIC DRINKING WATER SUPPLY WELLS WITHIN 500 FEET OF THE PROPOSED OWTS. IF WELL(S) ARE PRESENT, THEY HAVE BEEN SHOWN ON THE PLAN. THE TYPE OF PUBLIC WELL, IF PRESENT, IS NOTED NEXT TO THE WELL.
10. THERE (ARE _X_) OR (ARE NOT ___) WATERCOURSES AND/OR WETLANDS WITHIN 200 FEET OF THE PROPOSED OWTS. IF PRESENT, THE LOCATIONS ARE SHOWN ON THE PLAN.
11. THERE (ARE _X_) OR (ARE NOT ___) STORM AND SUBSURFACE DRAINS WITHIN 200 FEET OF THE PROPOSED OWTS. SAID DRAINS (DO ___) OR (DO NOT _X_) DISCHARGE DIRECTLY OR INDIRECTLY INTO A CRITICAL RESOURCE AREA AS IDENTIFIED IN RULE 38 OF THE 'RULES'.
12. THE PROPOSED OWTS (IS ___) OR (IS NOT _X_) LOCATED WITHIN THE WATERSHED OF A PUBLIC WATER SUPPLY.
13. THE PROPOSED OWTS (IS ___) OR (IS NOT _X_) LOCATED WITHIN A CRITICAL RESOURCE AREA AS IDENTIFIED IN RULE 38 OF THE 'RULES'. THE DISTANCE TO THE NEAREST CRITICAL RESOURCE OF CONCERN IS ___N/A___ FEET.
14. THERE (ARE N/A) OR (ARE NOT N/A) EXISTING OWTS'S WITHIN 200 FEET OF ANY PROPOSED WELL. IF PRESENT, THE LOCATION AND SIZE HAS BEEN SHOWN ON THE PLAN.
15. EXISTING OWTS'S WITH A DESIGN FLOW GREATER THAN 1,000 GAL/DAY (ARE ___) OR (ARE NOT _X_) LOCATED WITHIN 400 FEET OF THE PROPOSED WELL. IF PRESENT, THE LOCATION AND SIZE HAS BEEN SHOWN ON THE PLAN.
16. THERE (ARE _X_) OR (ARE NOT ___) AREAS ON SUBJECT PROPERTY WHERE SOIL HAS BEEN EXCAVATED AND/OR WHERE STORM DEPOSITED SAND IN THE BACKDUNE ENVIRONMENT OR WHERE HUMAN TRANSPORTED MATERIAL HAS BEEN DEPOSITED.
17. THE POTENTIAL FOR FLOODING WITHIN 100 FEET OF THE PROPOSED OWTS DOES NOT EXIST.
18. THE PROPOSED WELL, IF APPLICABLE, (DOES ___) OR (DOES NOT _X_) REQUIRE A VARIANCE FROM RIDEM'S "RULES AND REGULATIONS GOVERNING THE ENFORCEMENT OF CHAPTER 46-13.2 RELATING TO THE DRILLING OF DRINKING WATER WELLS".
19. THIS APPLICATION (IS ___) OR (IS NOT _X_) PART OF A SUBDIVISION OF FIVE (5) LOTS OR LESS WITH EXISTING ROAD FRONTAGE.
20. THE SUBJECT PROPERTY (IS _X_) OR (IS NOT ___) SERVED WITH AN OWTS & PRIVATE WELL. THE NITROGEN LOADING RATE SHALL NOT AND DOES NOT EXCEED 345 GAL/DAY PER 20,000 SQUARE FEET OF PROPERTY WHEN SERVED WITH AN OWTS & PRIVATE WELL.
21. THE CONTRACTOR SHALL STAKE AND FLAG TO PROTECT THE LEACHFIELD FROM VEHICLE TRAFFIC AND EXCESSIVE WEIGHT LOADS BEFORE AND DURING CONSTRUCTION OF THE OWTS AND THE STRUCTURE. FLAGGING SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES AT THE SITE ARE COMPLETE.



1. DISTRIBUTION PIPE FOR GRAVITY SYSTEMS SHALL COMPLY WITH RIDEM OWTS RULE 6.34C
2. EDGE TO EDGE SPACING BETWEEN TRENCHES SHALL BE 1.5'.

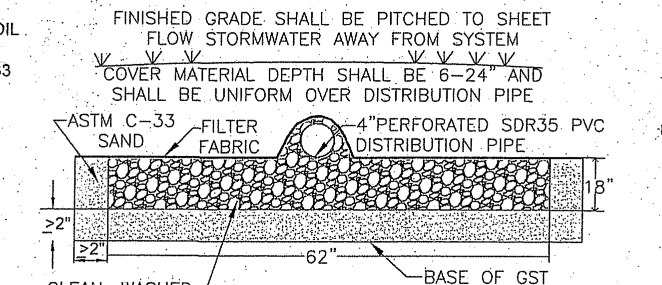
GST LEACHING SYSTEM PLAN VIEW

NOT TO SCALE



GST 6218 A-A' CROSS SECTION

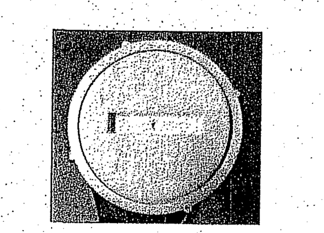
NOT TO SCALE

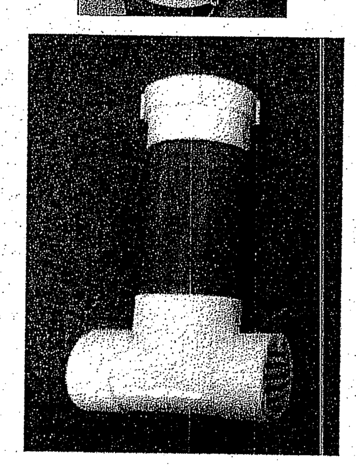


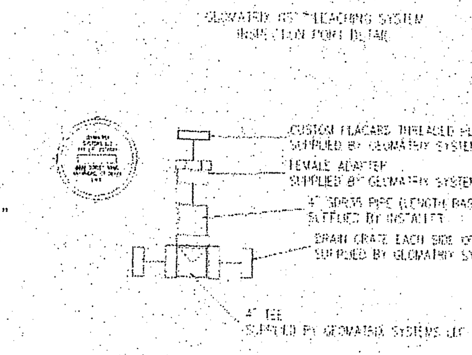
* DISTRIBUTION PIPE FOR GRAVITY APPLICATIONS SHALL COMPLY WITH RIDEM OWTS RULE 6.34C

GST 6218 B-B' CROSS SECTION

NOT TO SCALE

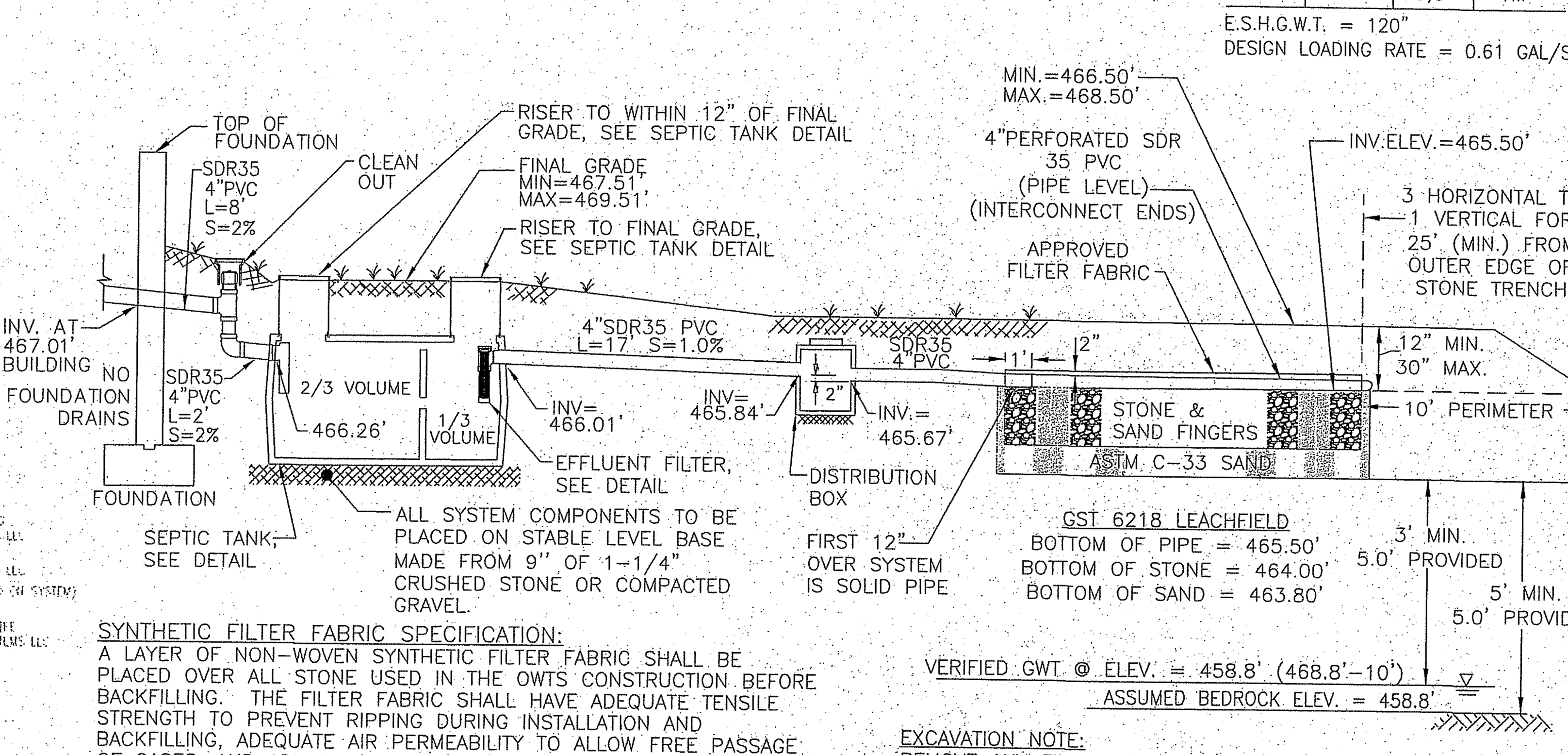






4" INSPECTION PORT DETAIL

NOT TO SCALE



SYNTHETIC FILTER FABRIC SPECIFICATION:

A LAYER OF NON-WOVEN SYNTHETIC FILTER FABRIC SHALL BE PLACED OVER ALL STONE USED IN THE OWTS CONSTRUCTION BEFORE BACKFILLING. THE FILTER FABRIC SHALL HAVE ADEQUATE TENSILE STRENGTH TO PREVENT RIPPING DURING INSTALLATION AND BACKFILLING, ADEQUATE AIR PERMEABILITY TO ALLOW FREE PASSAGE OF GASES, AND ADEQUATE PARTICLE RETENTION TO PREVENT DOWNWARD MIGRATION OF SOIL PARTICLES, MIRAFI 180N OR EQUAL.

EXCAVATION NOTE:
REMOVE ANY FILL, A-HORIZONS, BOULDERS, COMPACTED SOILS, ROOTS, OR STUMPS WITHIN THE BOTTOM OF THE LEACHFIELD.

SYSTEM PROFILE

NOT TO SCALE

REVISIONS:

NO.	DATE	DESCRIPTION	BY
1.	3-16-22	DEM COMMENTS	DKM

REGISTRATION:
DAVID KENNETH MANONI
No. 12484
REGISTERED PROFESSIONAL ENGINEER (Civil)

GROUNDBREAKING DESIGNS, LLC
CIVIL ENGINEERING SOLUTIONS
90 HIGHLAND AVE., SOUTH KINGSTOWN, RI 02879 PHONE: (401) 622-2932

RI DEM JOINT WETLANDS/OWTS APPLICATION PLAN
83 JACKSON SCHOOLHOUSE ROAD
DETAIL SHEET
A.P. 7, LOT PL-55
GLOCESTER, RHODE ISLAND 02814
SCALE: AS SHOWN DATE: 07/20/21

JOB NO.: 21.16