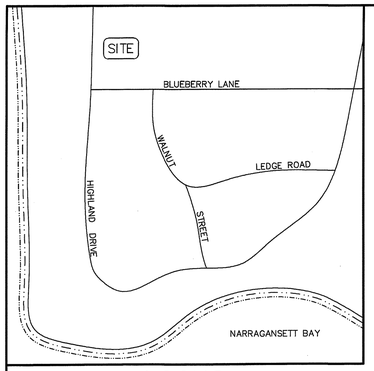


LOCUS
NOT TO SCALE

LEGEND

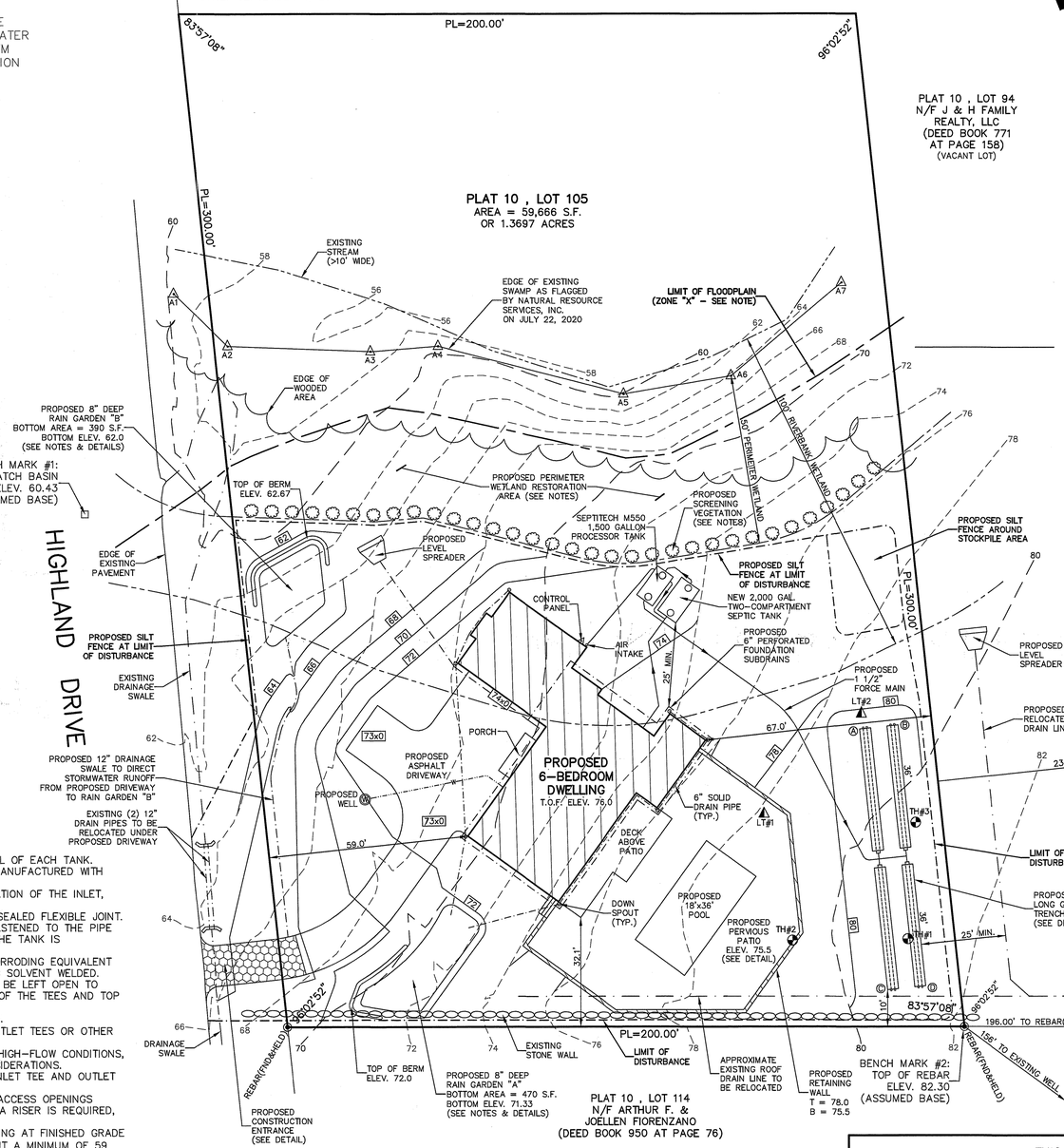
PL	PROPERTY LINE
FND	FOUND
N/F	NOW OR FORMERLY
S.F.	SQUARE FEET
TH	TEST HOLE
LT	LEDGE TEST HOLE
O.W.T.S.	ON-SITE WASTEWATER TREATMENT SYSTEM
T.O.F.	TOP OF FOUNDATION
ELEV.	ELEVATION
T	TOP OF WALL
B	BOTTOM OF WALL
TYP.	TYPICAL
MIN.	MINIMUM

GENERAL NOTES:
1. THE SLOPE OF BUILDING SEWER FROM DWELLING TO SEPTIC TANK SHALL NOT BE LESS THAN 1 PERCENT AND NOT GREATER THAN 5 PERCENT.
2. THE OUTLET AND INLET PIPES SHALL BE CONNECTED TO THE SEPTIC TANK WITH A WATERTIGHT SEALED FLEXIBLE JOINT. THE PIPE GASKET SHALL BE AN INTEGRAL PART OF ALL TANKS AND THE PIPE GASKET SHALL BE FASTENED TO THE PIPE WITH A STAINLESS STEEL RETRACTABLE CLAMP. A FRICTION FIT CONNECTION IS ONLY ALLOWED IF THE TANK IS PERFORMANCE TESTED.
3. SURFACE WATER SHALL BE DIVERTED AWAY FROM THE SEPTIC TANK OPENING.
4. ACCESSIBILITY TO SEPTIC TANKS SHALL BE LOCATED ON THE LOT AS TO BE ACCESSIBLE FOR SERVICING AND CLEANING.
5. INSTALLATION OF ALL SEPTIC TANKS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S MINIMUM REQUIREMENTS. IN ADDITION, ALL SEPTIC TANKS MUST MEET THE INSTALLATION REQUIREMENTS SPECIFIED.
6. BACKFILL SHALL BE PLACED AROUND THE SEPTIC TANK IN SUCH A MANNER AS TO AVOID DAMAGE TO IT. ALL BACKFILL PLACED AROUND THE SEPTIC TANK SHALL BE FREE OF LARGE STONES, STUMPS, WASTE, CONSTRUCTION MATERIAL AND RUBBISH.
7. USE SCHD 40 PVC PIPING OR EQUIVALENT THROUGHOUT SEWAGE SYSTEM, EXCEPT AS NOTED.
8. NO WELL EXISTS WITHIN 200 FEET OF THE PROPOSED SEWAGE SYSTEM EXCEPT AS SHOWN.
9. IF A WELL IS PROPOSED, NO SEWAGE SYSTEM EXISTS WITHIN 200 FEET OF THE PROPOSED WELL EXCEPT AS SHOWN.
10. ALL WELLS, EXISTING AND PROPOSED, WITHIN 200 FEET OF THE SEWAGE SYSTEM ARE SHOWN. ALL PUBLIC WELLS, EXISTING AND PROPOSED, WITHIN 500 FEET OF THE SEWAGE SYSTEM AREA ARE SHOWN.
11. IF A DRIVEWAY OR PAVEMENT IS TO BE NEAR THE SEWAGE SYSTEM, A PROTECTIVE BERM IS TO BE PLACED AROUND THE SEWAGE SYSTEM IN THE AREA OF THE DRIVEWAY OR PAVEMENT TO PREVENT VEHICULAR TRAFFIC TRAVELING OVER THE SEWAGE SYSTEM.
12. INSTALLER TO MEET ALL O.W.T.S. SPECIFICATIONS AND REQUIREMENTS.
13. NO DRAINS OF ANY KIND SHALL BE LOCATED WITHIN 25 FEET OF THE PROPOSED SEWAGE SYSTEM.
14. THE FINISH GRADE AT 5 FEET FROM ALL SIDES OF LEACHING FIELD SHALL NOT BE LOWER THAN ELEVATION OF 80.25 WITH 3:1 SLOPE.
15. OWNER AND/OR BUILDER IS RESPONSIBLE FOR BUILDING AND LEACHING FIELD MEETING LOCAL ZONING SETBACK REQUIREMENTS.
16. ALL UNDERGROUND UTILITIES AND STRUCTURES ARE APPROXIMATE AND MUST BE FIELD VERIFIED BEFORE THE START OF ANY CONSTRUCTION OR EXCAVATION.
17. THE PROPOSED SILT FENCE IS TO BE INSTALLED BEFORE THE START OF ANY CONSTRUCTION AND REMAIN IN PLACE UNTIL ALL DISTURBED AREAS ARE REVEGETATED.
18. THE SILT FENCE IS TO BE INSPECTED ONCE A MONTH OR AFTER ALL STORM EVENTS AND REPAIRED AS NEEDED.
19. THE PARCEL IS PLAT 10, LOT 105.
20. THE TOTAL PARCEL AREA IS 59,666 S.F. OR 1.3697 ACRES.
21. THERE WERE NO SOIL EVALUATION TEST HOLES OR WATER TABLE DETERMINATIONS PERFORMED FOR THE DWELLING AT THE TIME OF PLAN PREPARATION. THE BASEMENT SLAB ELEVATION IS TO BE DETERMINED BY OTHERS.

SEPTIC TANK NOTES:
1. ONE INLET AND ONE OUTLET SHALL BE PROVIDED THROUGH THE APPROPRIATE END OR SIDE WALL OF EACH TANK. WHERE MORE THAN ONE INLET IS REQUIRED FOR MULTIPLE BUILDING SEWERS, THE TANK SHALL BE MANUFACTURED WITH THE APPROPRIATE NUMBER OF INLETS.
2. THE INVERT ELEVATION OF THE OUTLET SHALL BE AT LEAST 3 INCHES BELOW THE INVERT ELEVATION OF THE INLET, AND ABOVE THE SEASONAL HIGH GROUNDWATER TABLE.
3. THE OUTLET AND INLET PIPES SHALL BE CONNECTED TO THE SEPTIC TANK WITH A WATERTIGHT SEALED FLEXIBLE JOINT. THE PIPE GASKET SHALL BE AN INTEGRAL PART OF ALL TANKS AND THE PIPE GASKET SHALL BE FASTENED TO THE PIPE WITH A STAINLESS STEEL RETRACTABLE CLAMP. A FRICTION FIT CONNECTION IS ONLY ALLOWED IF THE TANK IS PERFORMANCE TESTED.
4. TANKS SHALL BE PROVIDED WITH AN INLET SANITARY TEE AND OUTLET TEES OR OTHER NON-CORRODING EQUIVALENT DEVICE APPROVED BY THE DIRECTOR. THE INLET AND OUTLET TEES SHALL BE MINIMUM SDR 35 PVC SOLVENT WELDED. THE TOPS OF THE TEES SHALL EXTEND A MINIMUM OF 6 INCHES ABOVE THE FLOW LINE, AND SHALL BE LEFT OPEN TO PROVIDE VENTILATION. THERE SHALL BE AN AIR SPACE OF AT LEAST 3 INCHES BETWEEN THE TOP OF THE TEES AND TOP INTERIOR OF THE TANK.
5. THE INLET SANITARY TEE SHALL EXTEND DOWNWARD AT LEAST 12 INCHES BELOW THE FLOW LINE.
6. THE OUTLET TEE SHALL EXTEND DOWNWARD 1/3 OF THE DEPTH BELOW THE FLOW LINE. ALL OUTLET TEES OR OTHER APPROVED OUTLET DEVICES SHALL BE EQUIPPED WITH AN EFFLUENT SCREEN.
7. SPECIFICATIONS FOR INLET TEES AND OUTLET TEES ARE FOR NORMAL, LOW-FLOW CONDITIONS. HIGH-FLOW CONDITIONS, CREATED WITH LIQUID IS PUMPED FROM ANOTHER TANK, MAY REQUIRE OTHER DIMENSIONS AND CONSIDERATIONS.
8. A MINIMUM 20 INCHES INSIDE DIAMETER ACCESS OPENING SHALL BE LOCATED OVER BOTH THE INLET TEE AND OUTLET TEE. ALL TANK OPENINGS SHALL MEET THE FOLLOWING REQUIREMENTS.
9. THE ACCESS OPENING OVER THE OUTLET TEE SHALL BE BROUGHT TO FINISHED GRADE. OTHER ACCESS OPENINGS SHALL EITHER BE BROUGHT TO FINISHED GRADE OR WITHIN 12 INCHES OF FINISHED GRADE. WHERE A RISER IS REQUIRED, IT SHALL BE WATERTIGHT.
10. LIDS ON TOP OF THE TANK SHOULD REMAIN IN PLACE WHERE PRACTICAL. LIDS FOR THE OPENING AT FINISHED GRADE SHALL PREVENT UNAUTHORIZED ENTRY BY MEETING EITHER OF THE FOLLOWING: (A) LID SHALL WEIGHT A MINIMUM OF 59 POUNDS AND FIT TIGHTLY ONTO THE RISER OR (B) LID SHALL BE TAMPER RESISTANT AND MECHANICALLY FASTENED.
11. THE TANK MANUFACTURERS SHALL PROVIDE AND LICENSED OWTS INSTALLERS SHALL ATTACH A LABEL OF NON-CORROSIVE MATERIAL IN A PROMINENT LOCATION AT EACH ACCESS OPENING TO WARN THAT "ENTRANCE INTO THE TANK COULD BE FATAL."
12. SURFACE WATER SHALL BE DIVERTED AWAY FROM THE TANK OPENING.
13. ACCESSIBILITY TO TANKS SHALL BE LOCATED ON THE LOT AS TO BE ACCESSIBLE FOR SERVICING AND CLEANING.
14. INSTALLATION OF ALL TANKS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S MINIMUM REQUIREMENTS. IN ADDITION, ALL TANKS MUST MEET THE INSTALLATION REQUIREMENTS SPECIFIED.
15. THE TANK SHALL BE INSTALLED ON A LEVEL, STABLE BASE THAT WILL NOT SETTLE.
16. BACKFILL SHALL BE PLACED AROUND THE TANK IN SUCH A MANNER AS TO AVOID DAMAGE TO IT. ALL BACKFILL PLACED AROUND THE TANK SHALL BE FREE OF LARGE STONES, STUMPS, WASTE, CONSTRUCTION MATERIAL AND RUBBISH.
17. WHERE ANY PORTION OF A TANK IS INSTALLED BELOW THE SEASONAL HIGH GROUNDWATER TABLE, THE TANK'S SUSCEPTIBILITY TO FLOATATION SHALL BE DETERMINED, AND PROVISIONS SHALL BE MADE TO PREVENT FLOATATION, WHERE NECESSARY AS DETERMINED BY THE FLOATATION CALCULATIONS.
18. WHENEVER MORE THAN 25 PERCENT OF THE DAILY DESIGN FLOW IS PUMPED INTO A TANK, THE TANK CAPACITY SHALL BE INCREASED BY 50 PERCENT BEYOND THE MINIMUM CAPACITIES.
19. THE MINIMUM COVER OVER THE INVERT OF THE OUTLET SHALL BE 18 INCHES. IF THE DEPTH OF COVER EXCEEDS 42 INCHES, THE OWTS APPLICATION SHALL INCLUDE DOCUMENTATION OF THE TANK'S ABILITY TO STRUCTURALLY WITHSTAND THE LOADING, AND THE TANK'S DESIGN SHALL ALLOW FOR PROPER MAINTENANCE AND ACCESS.
20. THE TANK SHALL BE A MINIMUM OF 75 FEET FROM ALL WELLS.

FLOODPLAIN NOTE:
THE FLOODPLAIN SHOWN ON THIS PLAN IS THE LIMIT OF FLOOD ZONE "X" (AREAS OF 0.2% ANNUAL CHANCE FLOOD HAZARD). THE LOCATION OF THE FLOODPLAIN LIMIT SHOWN WAS DETERMINED BY SITE ELEVATIONS AND/OR GRAPHIC PLOTTING OF THE NATIONAL FLOOD MAP FOR THE TOWN OF JAMESTOWN, MAP NUMBER 44005C0157J, EFFECTIVE DATE: SEPTEMBER 4, 2013.

FORCE MAIN NOTES:
1. THE PROPOSED 1 1/2" FORCE MAIN MUST BE BURIED A MINIMUM OF 4 FEET.
2. ALL FORCE MAIN SECTIONS NOT MEETING THE 4-FOOT DEPTH REQUIREMENT MUST HAVE A 2" THICK BY 24" WIDE EXPANDED RIGID POLYSTYRENE PLASTIC INSULATION ABOVE THE PIPE TO PREVENT FREEZING.



SOIL EVALUATION TEST HOLE ELEVATIONS:	
GROUND AT TH#1	81.0
WATER TABLE AT TH#1	78.5
LEDGE AT TH#1	76.5
GROUND AT TH#2	79.5
WATER TABLE AT TH#2	77.0
LEDGE AT TH#2	74.5
GROUND AT TH#3	80.75
WATER TABLE AT TH#3	78.25
LEDGE AT TH#3	76.25
GROUND AT LT#1	78.1
LEDGE AT LT#1	74.1
GROUND AT LT#2	79.0
LEDGE AT LT#2	75.0

TABLE OF O.W.T.S. ELEVATIONS:	
INV. OUT HOUSE	72.00
SEPTIC TANK ELEVATIONS:	
INV. IN SEPTIC TANK	71.50
INV. OUT SEPTIC TANK	71.25
TOP OF SEPTIC TANK RISER	73.33
SEPTITECH M-550 ELEVATIONS:	
INV. IN SEPTITECH	71.10
TOP OF SEPTITECH TANK RISER	72.93
GEOMAT LEACH FIELD ELEVATIONS:	
TRENCHES "A" & "B":	
BOTTOM OF GEOMAT	80.25
FINISH GRADE OVER GEOMAT	81.00
5' AWAY BREAKOUT ELEVATION	80.25
TRENCHES "C" & "D":	
BOTTOM OF GEOMAT	80.50
FINISH GRADE OVER GEOMAT	81.25
5' AWAY BREAKOUT ELEVATION	80.50

TEST HOLE DATA: GROUND WATER TABLE DATA: 2015-0944
DATE DUG - 7-8-20 PERFORMED BY: MATTHEW COTTA
TEST HOLE - TH#1 WATER TABLE DEPTH = 30"
TEST HOLE - TH#3 WATER TABLE DEPTH = 30"

REQUIRED CAPACITY OF LEACHING SYSTEM:
6 BEDROOMS X 115 GALLONS PER BEDROOM = 690 GALLONS PER DAY

DESIGN GEOMAT ON CATEGORY 9 SOILS
GEOMAT DESIGN RATE = 1.5 GAL/S.F./DAY
GEOMAT AREA REQUIRED: 460 SQUARE FEET
460 SQUARE FEET / 3.25 = 142 LINEAR FEET REQUIRED
GEOMAT SIZE PROPOSED: 4 - 36' LONG GEOMAT TRENCHES
GEOMAT SIZE PROPOSED: 11.38' WIDE BY 77' LONG
GEOMAT AREA PROPOSED: 468 SQUARE FEET

PROPOSED SCREENING VEGETATION NOTES:
1. THE PROPOSED SCREENING VEGETATION ARE TO BE PLANTED ALONG THE 50-FOOT PERIMETER WETLAND.
2. THE PROPOSED SCREENING VEGETATION PLANTS ARE TO BE ROSEBAY RHODODENDRON OR AN EQUIVALENT NATIVE EVERGREEN. ALL SHRUBS SHALL BE 3-4 FEET TALL AFTER PLANTING AND SHALL BE SPACED A DISTANCE OF 6-FEET ON CENTER.

PROPOSED PERIMETER WETLAND RESTORATION NOTES:
1. THE PROPOSED PERIMETER WETLAND RESTORATION AREA IS TO BE PLANTED AS FOLLOWS:
   - 25 - HIGHBUSH BLUEBERRY (VACCINIUM CORYMBOSUM)
   - 25 - ARROWWOOD (VIBURNUM DENTATUM)
   - 25 - PEPPERBUSH (CLETHRA ALNIFOLIA)
2. ALL PLANTS SHALL BE SPACED 6-FEET ON CENTER.
3. ALL SHRUBS SHALL BE 3-4 FEET TALL AFTER PLANTING.
4. THE ENTIRE 50-FOOT PERIMETER WETLAND SHALL BE ALLOWED TO REVEGETATE TO A NATURAL CONDITION WITHOUT MOWING OR MANICURING.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 9 2020 FILE # 20-0218
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L Freeman
Environmental Management
NOV 25 2020
Office of Water Resources

GENERAL NOTES:
1. THE PARCEL IS PLAT 10, LOT 105.
2. THE TOTAL PARCEL AREA IS 59,666 S.F. OR 1.3697 ACRES.
3. THE PARCEL IS ZONED: R-80.
4. SEE DEED BOOK 638 AT PAGE 101 FOR TITLE REFERENCE.
5. THE BASIS OF BEARING IS A MAGNETIC READING TAKEN DURING SURVEY FIELD WORK PERFORMED ON SEPT. 16, 2019.
6. NO UNDERGROUND UTILITIES ARE SHOWN ON THE SITE PLAN. "DIG-SAFE" AND/OR ANY APPROPRIATE UTILITY COMPANIES ARE TO BE CONTACTED PRIOR TO THE START OF ANY CONSTRUCTION.

PLAN REFERENCES:
1. PLAN ENTITLED "OCEAN HIGHLANDS, JAMESTOWN, R.I., BY R.J. EASTON AND SON, C.E., NEWPORT, R.I., JULY 12, 1919," WHICH IS RECORDED IN THE TOWN OF JAMESTOWN REGISTRY OF DEEDS AT HPF#7B.
2. PLAN ENTITLED "BENEVILLE RESIDENCE, BOUNDARY SURVEY AND SITE PLAN, 104 BLUEBERRY LANE, JAMESTOWN, R.I. 02835, BY KIRBY PERKINS CONSTRUCTION, INC., DATED: 2-17-2014," WHICH IS RECORDED IN THE TOWN OF JAMESTOWN REGISTRY OF DEEDS IN DEED BOOK 928 AT PAGE 146.

GRAPHIC SCALE
20 0 10 20 40 80
SCALE: 1" = 20'

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:
LIMITED CONTENT BOUNDARY SURVEY
DATA ACCUMULATION SURVEY

MEASUREMENT SPECIFICATION:
CLASS I
CLASS III

STATEMENT OF PURPOSE:
THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:
1) PREPARE A PROPOSED O.W.T.S. PLAN.

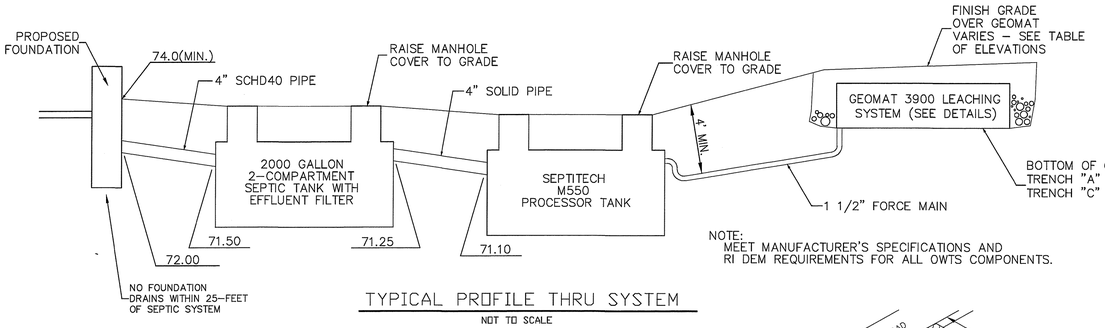
MICHAEL R. DARVEAU
No. 1978
PROFESSIONAL LAND SURVEYOR
11/13/20

BY: _____ 11/13/20
MICHAEL R. DARVEAU, PLS#1978 — DATE
PRESIDENT, DARVEAU LAND SURVEYING, INC. — COA #LS-A497

DARVEAU LAND SURVEYING, INC.
P.O. BOX 7918
CUMBERLAND, R.I. 02864
PHONE 401-475-5700
E-MAIL: MIKE@DARVEAUSURVEY.COM

PROPOSED O.W.T.S. PLAN FOR
MATTHEW DAVITT
PLAT 10 , LOT 105
HIGHLAND DRIVE
JAMESTOWN , RHODE ISLAND

SCALE:	1" = 20'
DRAWN BY:	S.A.K.
REVISED	NOV. 13, 2020
DATE:	AUG. 17, 2020
PROJECT NO:	2019_027
SHEET NO:	1 OF 2



NOTE:
MEET MANUFACTURER'S SPECIFICATIONS AND
RI DEM REQUIREMENTS FOR ALL OWTS COMPONENTS.

TYPICAL PROFILE THRU SYSTEM

NOT TO SCALE

SEDIMENTATION AND EROSION CONTROL:
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION & EROSION CONTROL.
2. EMBANKMENT SLOPES & ALL DISTURBED AREAS ARE TO RECEIVE A LAYER OF TOPSOIL (LOAM) AND SEED.
3. IMMEDIATELY UPON COMPLETION OF THE CLEARING AND GRUBBING AND PRIOR TO ANY ROUGH GRADING, A TEMPORARY SILT FENCE OR HAY BALES SHALL BE PLACED AT THE LIMIT OF PERMANENT DISTURBANCE PER PLAN.
4. ALL EROSION & SEDIMENTATION CONTROL SHALL BE PERIODICALLY MAINTAINED DURING BUILDING CONSTRUCTION BY THE CONTRACTOR.

EROSION & SOIL STABILIZATION PROGRAM:
1. TEMPORARY TREATMENTS SHALL CONSIST OF A SILT FENCE, HAY BALES OR PROTECTIVE COVERS SUCH AS FABRIC MATS.
2. THE SILT FENCE OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED COVER IS ESTABLISHED.
3. NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1 – OCT. 15.
4. ALL FILL, IF REQUIRED, SHALL BE CLEAN AND THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH RIDPW STANDARD SPECIFICATION SECTION 202.

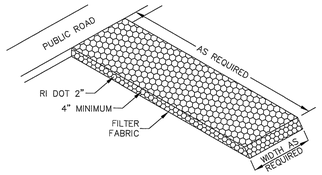
SEDIMENTATION CONTROL PROGRAM:
1. A TEMPORARY SILT FENCE, HAY BALES OR PROTECTIVE COVER SHALL BE INSTALLED PRIOR TO CONSTRUCTION & SHALL BE MAINTAINED ON A DAILY BASIS. IN ADDITION TO THE LINE OF THE SILT FENCE AT THE LIMIT OF PERMANENT DISTURBANCE, TEMPORARY BARRIERS SHALL BE CONSTRUCTED AT THE TOE OF THE DISTURBED (CUT OR FILL) SLOPES UNTIL VEGETATIVE COVER HAS BEEN ESTABLISHED.
2. ALL HAY BALES USED WITH THE SILT FENCE ARE TO HAVE TWO STAKES DRIVEN INTO EACH HAY BALE.
3. THE SILT FENCE AND HAY BALES ARE TO BE INSPECTED DAILY AND REPLACED AS NEEDED.
4. ALL SEDIMENTATION AND EROSION CONTROLS MUST BE INSTALLED AND PASS THE TOWN OF JAMESTOWN'S INSPECTION PRIOR TO ANY CONSTRUCTION WORK.
5. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE FLOW DURING STORMS AND PERIODS OF RAINFALL.
6. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL.

SLOPE STABILIZATION AND VEGETATION:
1. THE SILT FENCE OR HAY BALES SHALL BE PLACED AT THE TOE OF ALL DISTURBED SLOPES. THIS SHALL BE MAINTAINED AS A SEDIMENT BARRIER UNTIL THE SLOPES ARE STABILIZED WITH GRASS.
2. THE DISTURBED SLOPES (CUT OR FILL) SHALL BE IMMEDIATELY MULCHED AS AN EROSION PROTECTION MEASURE.
3. MAINTAIN MULCH UNTIL THE SLOPES ARE STABILIZED WITH A SATISFACTORY GROWTH OF GRASS.
4. VEGETATION REMOVED MAY BE SHREDDED AND CHIPPED ON SITE FOR USE AS MULCH, OR IT MAY BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
5. THE RESEEDING OF THE DISTURBED SLOPES SHALL BE CONDUCTED WITH SEED MATERIALS SELECTED FOR PRODUCTION OF A QUICK COVER AND HARDY STAND. PARTICULARLY A CONSERVATION GRASS SEED OR COMPARABLE. THE SEEDING SHALL BE IN ACCORDANCE WITH COMMON NURSERY PRACTICE IN THE RHODE ISLAND AREA.
6. PROVIDED THAT THE PROVISIONS OF THE SEDIMENTATION & EROSION CONTROL PLAN ARE IMPLEMENTED, THERE WILL BE NO ADVERSE ENVIRONMENTAL EFFECTS FROM THE PROPOSED CONSTRUCTION.

SIZING CALCULATION FOR RAIN GARDEN "A" PER RHODE ISLAND STORMWATER MANAGEMENT GUIDANCE DOCUMENT FOR INDIVIDUAL SINGLE–FAMILY RESIDENTIAL LOT DEVELOPMENT – TABLE 8: RAIN GARDEN SIZING GUIDANCE
* RAIN GARDEN "A" IS FOR RUN–OFF FROM THE PROPOSED DWELLING.
* PROPOSED IMPERVIOUS AREA = 2,908 S.F.
* RAIN GARDEN "A" DEPTH = 8 INCHES
* SOIL TYPE: SILTY SOILS = 0.16 SIZING FACTOR (1–INCH STORM EVENT)
* 2,908 S.F. X 0.16 = 466 S.F. RAIN GARDEN NEEDED
* PROPOSED RAIN GARDEN "A" BOTTOM AREA = 470 S.F.

SIZING CALCULATION FOR RAIN GARDEN "B" PER RHODE ISLAND STORMWATER MANAGEMENT GUIDANCE DOCUMENT FOR INDIVIDUAL SINGLE–FAMILY RESIDENTIAL LOT DEVELOPMENT – TABLE 8: RAIN GARDEN SIZING GUIDANCE
* RAIN GARDEN "B" IS FOR RUN–OFF FROM THE PROPOSED ASPHALT DRIVEWAY.
* PROPOSED IMPERVIOUS AREA = 2,430 S.F.
* RAIN GARDEN "B" DEPTH = 8 INCHES
* SOIL TYPE: SILTY SOILS = 0.16 SIZING FACTOR (1–INCH STORM EVENT)
* 2,430 S.F. X 0.16 = 389 S.F. RAIN GARDEN NEEDED
* PROPOSED RAIN GARDEN "B" BOTTOM AREA = 390 S.F.

RAIN GARDEN NOTES:
1. RAIN GARDENS SHALL BE INSPECTED FOLLOWING AT LEAST THE FIRST TWO (2) PRECIPITATION EVENTS OF AT LEAST 1.0 INCH TO ENSURE THAT THE SYSTEM IS FUNCTIONING PROPERLY. THEREAFTER, THE RAIN GARDEN SHALL BE MONITORED AND MAINTAINED TO ASSURE PROPER FUNCTIONING PLANT GROWTH AND SURVIVAL. PLANTS SHALL BE REPLACED ON AN AS–NEEDED BASIS DURING THE GROWING SEASON.
2. SILT/SEDIMENT SHALL BE REMOVED FROM THE RAIN GARDEN WHEN THE ACCUMULATED SEDIMENT EXCEEDS ONE (1) INCH, OR WHEN WATER PONDS FOR MORE THAN 48 HOURS. THE TOP FEW INCHES OF MATERIAL SHALL BE REMOVED AND REPLACED WITH FRESH SOIL MIXTURE AND MULCH.
3. PRUNING OR REPLACEMENT OF WOODY VEGETATION SHALL OCCUR WHEN DEAD OR DYING VEGETATION IS OBSERVED.
4. SOIL EROSION GULLIES SHALL BE REPAIRED WHEN THEY OCCUR.
5. FERTILIZER OR PESTICIDES SHALL NOT BE APPLIED TO PLANTS WITHIN RAIN GARDENS.
6. PERENNIAL PLANTS AND GROUND COVERS SHALL BE REPLACED AS NECESSARY TO MAINTAIN AN ADEQUATE VEGETATED GROUND COVER. ANNUAL PLANTS MAY ALSO BE USED TO MAINTAIN GROUND COVER.
7. THE PROPOSED PLANTINGS FOR THE RAIN GARDENS SHALL BE SUITABLE NATIVE PLANTS USED IN ACCORDANCE WITH THE RHODE ISLAND COASTAL PLANT GUIDE, WHICH IS LOCATED AT CELS.URI.EDU/TESTSITE/COASTALPLANTS/COASTALPLANTGUIDE.HTM.
8. THE RAIN GARDENS SHALL BE PHYSICALLY DELINEATED PRIOR TO THE START OF CONSTRUCTION TO PREVENT ADDITIONAL COMPACTION.



CONSTRUCTION PAD DETAIL

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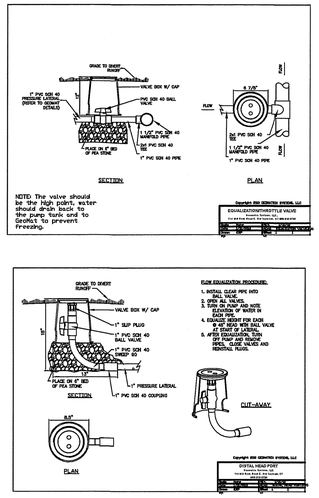
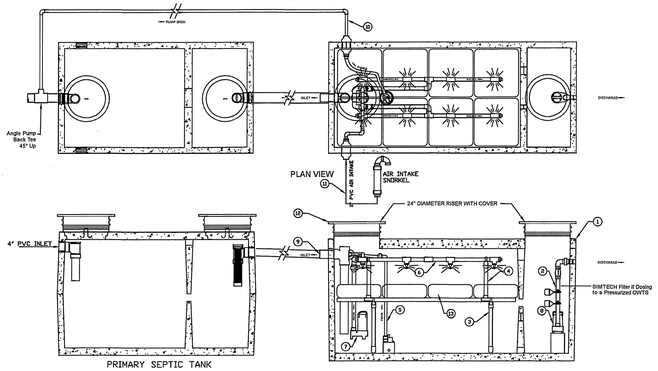


SeptiTech M550 PROCESSOR LAYOUT



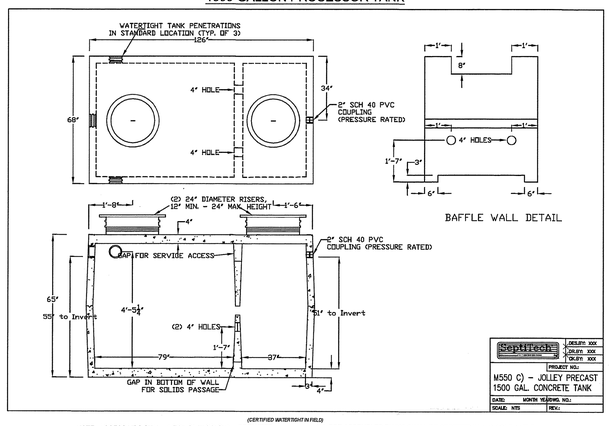
SECTION VIEW

ITEM	DESCRIPTION	ITEM	DESCRIPTION
1	1500 Gal. CONCRETE Tank	8	Discharge Pump
2	Discharge Assembly w/ SIMTECH Filter (if required)	9	Inlet Pipe
3	Support Structure	10	Pump Back Line
4	Spray Header Support Structure	11	Air Intake Line
5	Pump Back Assembly	12	Riser with Cover
6	Spray Header Assembly	13	Bio Media
7	Recirculation Pump		

NOTE TO INSTALLER

The primary septic tank needs to be filled with clean water to the level of the outlet. The SeptiTech processor tank needs to be 1/2 filled with clean water prior to startup.

SeptiTech M-550 1500-GALLON PROCESSOR TANK

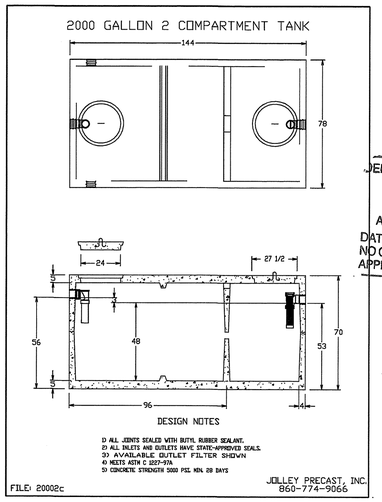


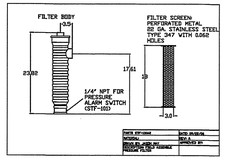
(CERTIFIED WATERTIGHT IN FIELD)

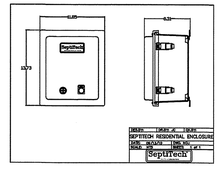
NOTE: ACCESS LIDS SHALL WEIGH 59 lbs OR: SHALL BE TAMPER RESISTANT AND MECHANICALLY FASTENED. EACH ACCESS OPENING SHALL HAVE A LABEL STATING "ENTRANCE INTO THE TANK COULD BE FATAL".

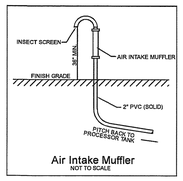
ALL PRE–ASSEMBLED TANKS SHALL BE CERTIFIED WATER TIGHT BY THE MANUFACTURER. ALL TANKS ASSEMBLED ON–SITE SHALL BE CERTIFIED WATERTIGHT IN THE FIELD. CERTIFICATE BY MANUFACTURER OR FROM ON–SITE TESTING SHALL BE INCLUDED WITH BILL OF LADEN.

GENERAL SEPTITECH NOTES:
* Tank(s) shall not be installed at a depth any greater than 24–inches. Tank installations requiring a depth greater than 24–inches shall do so with prior approval by SeptiTech only.
* Tank(s) shall be installed with a minimum of 12–inches of compacted crushed stone bedding. Select fill shall be used for backfilling around tanks. Native material may be used if approved by the design engineer.
* Water Testing: Contractor is responsible for water testing the concrete tank(s) once the tank(s) installation has been completed and allowed to set overnight. Water testing shall be conducted in accordance with ASTM C1227.9.2. Installing contractor shall be responsible for providing clean water for the testing, filling the tanks, and pumping the tanks dry once testing is completed.
* Exterior Piping: Contractor is responsible for supplying and installing all exterior piping per SeptiTech installation drawings.
* Air Intake Piping: Air intake snorkel shall be installed within 100 feet of the processor tank. Air intake piping shall be installed such that a positive pitch is provided back towards the processor tank such that any condensation build up is free to drain.
* Pipe Insulation: Contractor is responsible for insulating all piping exterior to the SeptiTech processor including the discharge line from the processor to the disposal field.
* Tank Insulation: After concrete tanks have been installed and water testing is completed, contractor shall insulate the top and sides of the processor tank below frost depth (4–feet minimum) down the sides of the tank with 2" rigid foam (blue) board insulation and then complete backfilling. Contractor is also responsible for installing insulation over the top of the forcemain from the SeptiTech system to the disposal field if not buried below frost level in order to prevent freezing. The Contractor is also responsible for installing insulation over the top of the return line from the processor tank back to the septic tank in order to prevent freezing.
* Electrical: All electrical work is the responsibility of the contractor's licensed electrician and is not provided by SeptiTech.
* SeptiTech processors can also be built to 3–phase power requirements. If 3–phase is required, please notify SeptiTech at the time of contract signing.



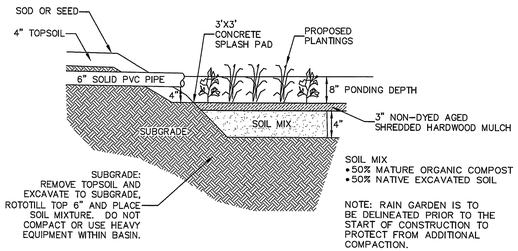






Air Intake Muffler

NOT TO SCALE



RAIN GARDEN CROSS–SECTION

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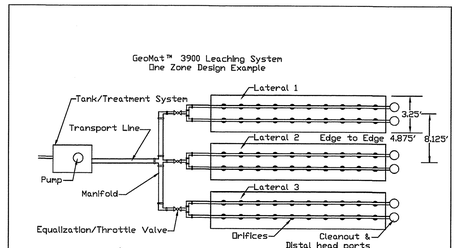
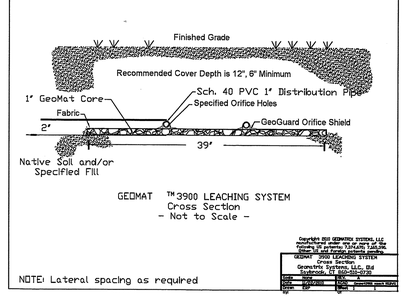
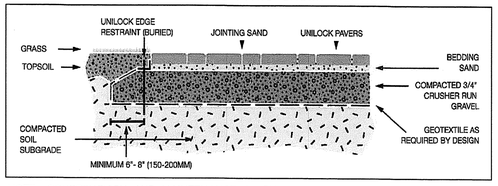


DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 9 2020 FILE # 20-0218
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

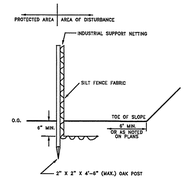


NOTE: Lateral spacing as required

TYPICAL PERVIOUS PATIO CROSS–SECTION

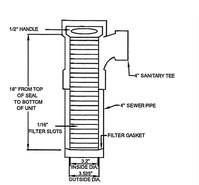


NOTE: CONSTRUCTION AND MAINTENANCE OF THE PROPOSED PERVIOUS PATIO IS TO MEET MANUFACTURER'S REQUIREMENTS. SEE UNILOCK BRAND "ADVANCED TECH GUIDE FOR PAVING STONES AND RETAINING WALLS" AND "PERMEABLE PAVER MAINTENANCE GUIDE" LOCATED AT WWW.UNILOCK.COM, OR EQUIVALENT.

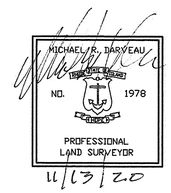


SILT FENCE DETAIL

NOT TO SCALE



ZABELL A1800 RESIDENTIAL SEPTIC TANK EFFLUENT FILTER SPECIFICATIONS



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E–MAIL: MIKE@DARVEAUSURVEY.COM

P.O.T.S. PLAN FOR
DAVITT
MATTHEW
PLAT 10 , LOT 105
HIGHLAND DRIVE
JAMESTOWN , RHODE ISLAND

PROJECT NO:	REVISED	SCALE:	DRAWN BY:
2019_027	NOV. 13, 2020	AS NOTED	S.A.K.
SHEET NO:	DATE:		
2 OF 2	AUG. 17, 2020		