

LOCUS  
NOT TO SCALE

O.W.T.S. APP.#9215-2703 SOIL EVALUATIONS:

GROUND AT TH#2.....	95.3
WATER TABLE AT TH#2.....	93.0
LEDGE AT TH#2.....	87.3
GROUND AT LT#4.....	96.1
LEDGE AT LT#4.....	91.1
GROUND AT LT#5.....	94.2
LEDGE AT LT#5.....	87.7
GROUND AT LT#6.....	94.9
LEDGE AT LT#6.....	89.4

TABLE OF ELEVATIONS:

GROUND AT TH#1.....	93.2
WATER TABLE AT TH#1.....	91.2
GROUND AT TH#2.....	95.5
WATER TABLE AT TH#2.....	93.5
LEDGE AT TH#2.....	90.3
GROUND AT LT#1.....	92.6
LEDGE AT LT#1.....	NONE AT 84.6
GROUND AT LT#2.....	93.5
LEDGE AT LT#2.....	NONE AT 85.3
GROUND AT LT#3.....	96.0
ORIGINAL GRADE AT LT#3.....	94.5
LEDGE AT LT#3.....	90.0
INV. OUT DWELLING.....	91.65
INV. IN SEPTIC TANK.....	91.50
INV. OUT SEPTIC TANK.....	91.25
FINISH GRADE OVER SEPTIC TANK.....	93.67
INV. IN SEPTITECH.....	91.00
FINISH GRADE OVER SEPTITECH.....	93.33

GEOMAT LEACH FIELD ELEVATIONS:

TRENCH "A":	
BOTTOM OF GEOMAT.....	94.00
FINISH GRADE OVER GEOMAT.....	94.58-94.75
5' AWAY MIN. BREAKOUT ELEVATION.....	94.10
TRENCH "B":	
BOTTOM OF GEOMAT.....	94.50
FINISH GRADE OVER GEOMAT.....	95.08-95.25
5' AWAY MIN. BREAKOUT ELEVATION.....	94.60
TRENCH "C":	
BOTTOM OF GEOMAT.....	95.00
FINISH GRADE OVER GEOMAT.....	95.58-95.75
5' AWAY MIN. BREAKOUT ELEVATION.....	95.10

GENERAL O.W.T.S. NOTES:

- THE SLOPE OF BUILDING SEWER FROM DWELLING TO SEPTIC TANK SHALL NOT BE LESS THAN 1 PERCENT AND NOT GREATER THAN 5 PERCENT.
- 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.
- SURFACE WATER SHALL BE DIVERTED AWAY FROM THE SEPTIC TANK OPENING.
- ACCESSIBILITY TO SEPTIC TANKS SHALL BE LOCATED ON THE LOT AS TO BE ACCESSIBLE FOR SERVICING AND CLEANING.
- 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.
- 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.
- USE SCHED 40 PVC PIPING OR EQUIVALENT THROUGHOUT SEWAGE SYSTEM, EXCEPT AS NOTED.
- NO WELL EXISTS WITHIN 200 FEET OF THE PROPOSED SEWAGE SYSTEM EXCEPT AS SHOWN.
- IF A WELL IS PROPOSED, NO SEWAGE SYSTEM EXISTS WITHIN 200 FEET OF THE PROPOSED WELL EXCEPT AS SHOWN.
- 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.
- 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.
- INSTALLER TO MEET ALL O.W.T.S. SPECIFICATIONS AND REQUIREMENTS.
- NO DRAINS OF ANY KIND SHALL BE LOCATED WITHIN 25 FEET OF THE PROPOSED SEWAGE SYSTEM.
- THE FINISH GRADE AT 5 FEET FROM ALL SIDES OF LEACHING FIELD SHALL NOT BE LOWER THAN ELEVATION OF 94.1 WITH 3:1 SLOPE.
- OWNER AND/OR BUILDER IS RESPONSIBLE FOR BUILDING AND LEACHING FIELD MEETING LOCAL ZONING SETBACK REQUIREMENTS.
- NO WETLANDS WERE LOCATED WITHIN 100-FEET OF THE PROPOSED O.W.T.S. AT THE TIME OF SURVEY.
- NO WELLS WERE OBSERVED WITHIN 100-FEET OF THE PROPOSED O.W.T.S. AT THE TIME OF SURVEY.
- THERE WERE NO OBSERVED DRINKING WATER SUPPLIES, INCLUDING TRIBUTARIES OR STORM/SUBSURFACE DRAINS DISCHARGING INTO THE DRINKING WATER SUPPLY, WITHIN 200-FEET OF THE PROPOSED O.W.T.S. AT THE TIME OF SURVEY.

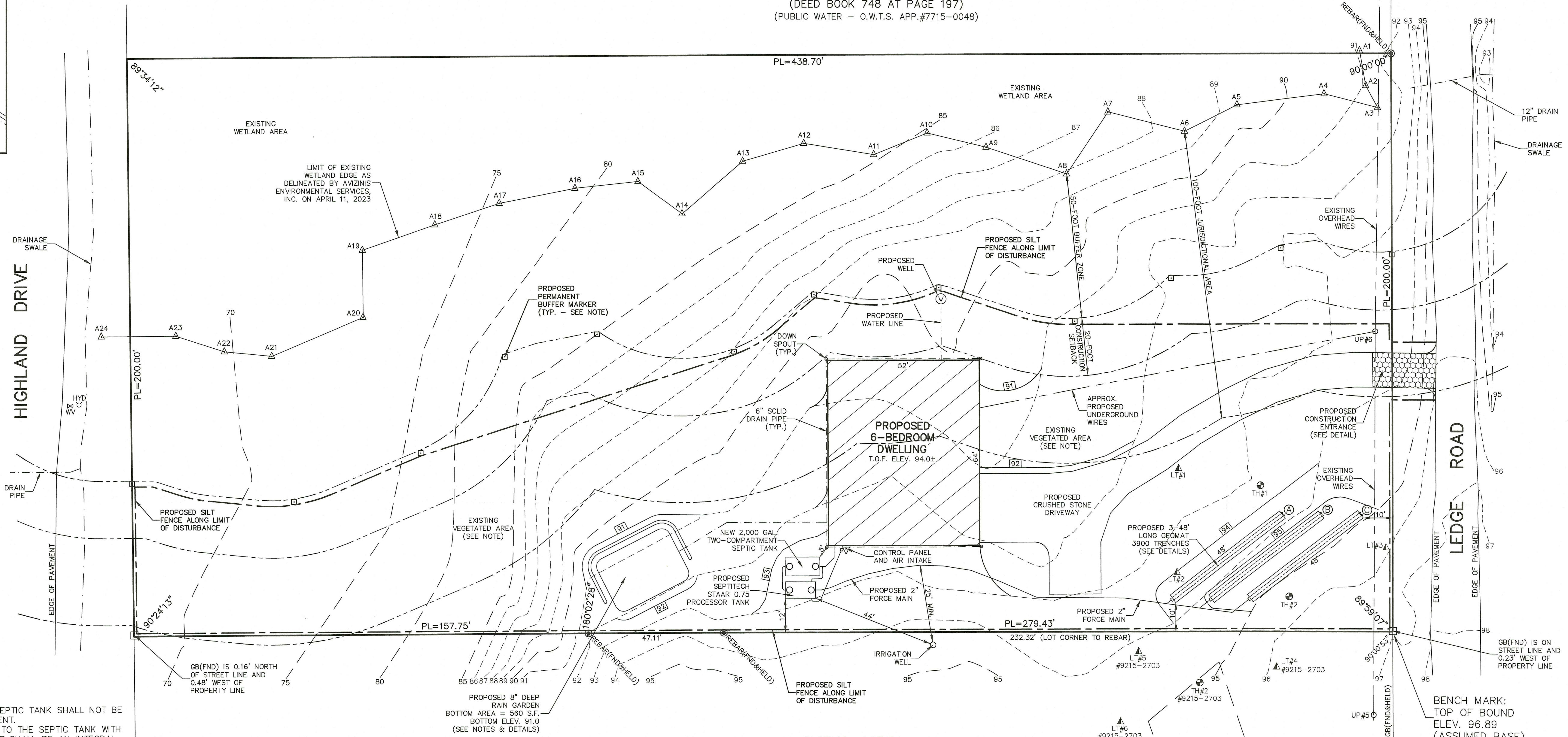
GENERAL NOTES:

- THE PARCEL IS PLAT 10, LOT 156.
- THE TOTAL PARCEL AREA IS 87,570± S.F. OR 2.01± ACRES.
- SEE DEED BOOK 954 AT PAGE 138 FOR TITLE REFERENCE.
- THE PARCEL IS ZONED: RR-80.
- BY GRAPHIC PLOTTING ONLY, THE PARCEL IS LOCATED IN FLOOD ZONE X (AREA OF MINIMAL FLOOD HAZARD) AS SHOWN ON FEMA FLOOD MAP 44005C0176J FOR THE TOWN OF JAMESTOWN, EFFECTIVE DATE: 9/4/2013.
- ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE TO BE CONSIDERED APPROXIMATE. "DIG-SAFE" AND/OR ALL APPROPRIATE UTILITY COMPANIES MUST BE CONTACTED PRIOR TO THE START OF ANY CONSTRUCTION AND THEIR EXACT LOCATIONS MARKED ON THE SITE.
- THE WETLAND AREA WAS DELINEATED BY AMZINIS ENVIRONMENTAL SERVICES, INC. ON APRIL 11, 2023.
- THERE WERE NO SOIL EVALUATION TEST HOLES OR WATER TABLE DETERMINATIONS PERFORMED ON THE SITE TO DETERMINE THE WATER TABLE AT THE PROPOSED DWELLING. THE BASEMENT SLAB ELEVATION IS TO BE DETERMINED BY OTHERS.

THE TOTAL AREA WITHIN THE LIMIT OF DISTURBANCE IS 38,170 S.F.

PLAT 10, LOT 86  
N/F 45 LEDGE ROAD, LLC  
(DEED BOOK 748 AT PAGE 197)  
(PUBLIC WATER - O.W.T.S. APP.#7715-0048)

VEGETATION NOTE:  
THE PARCEL IS CURRENTLY VEGETATED. WITHIN THE LIMIT OF DISTURBANCE, THE PARCEL IS TO BE CLEARED AND GRUBBED, AND LOAM AND SEEDED WITH A CONSERVATIVE GRASS SEED MIXTURE.



LEGEND

PL	PROPERTY LINE
GB	GRANITE BOUND
FND	FOUND
N/F	NOW OR FORMERLY
S.F.	SQUARE FEET
ELEV.	ELEVATION
O.W.T.S.	ON-SITE WASTEWATER TREATMENT SYSTEM
T.O.F.	TOP OF FOUNDATION
TH	TEST HOLE
LT	LEDGE TEST HOLE
UP	UTILITY POLE
O.G.	ORIGINAL GRADE
TYP.	TYPICAL
A#	WETLAND FLAG

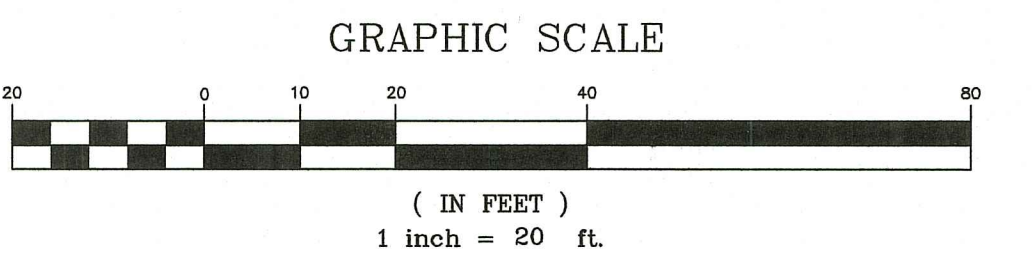
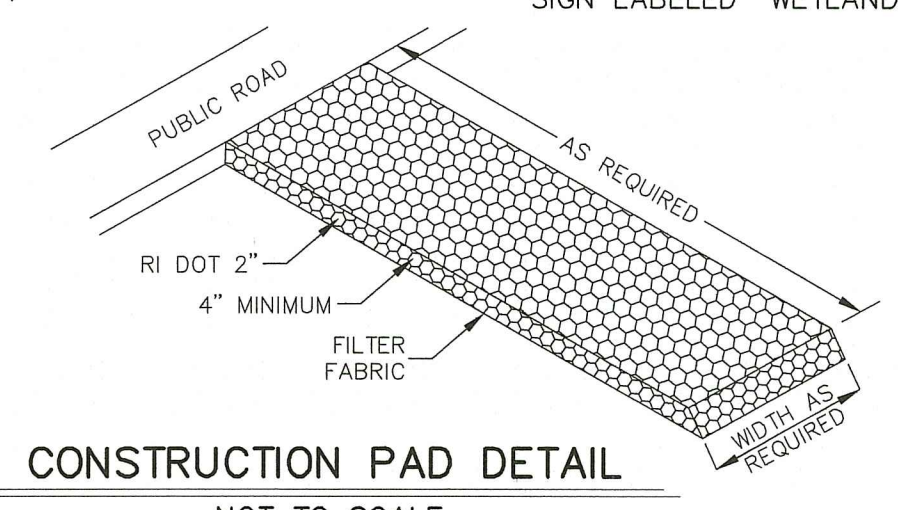
TEST HOLE DATA:

DATE DUG -	4-20-23
TEST HOLE - TH#1	WATER TABLE DEPTH = 24"
TEST HOLE - TH#2	WATER TABLE DEPTH = 24"

GROUND WATER TABLE DATA: 2315-0330  
PERFORMED BY: MATTHEW COITTA

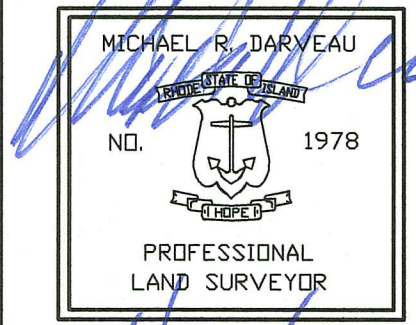
REQUIRED CAPACITY OF LEACHING SYSTEM:  
6 BEDROOMS X 115 GALLONS PER BEDROOM = 690 GALLONS PER DAY

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: 3 - 48' LONG GEOMAT TRENCHES  
GEOMAT SIZE PROPOSED: 19.5' WIDE BY 48' LONG  
GEOMAT AREA PROPOSED: 468 SQUARE FEET



PLAT 10, LOT 64  
N/F JOHNATHAN W. & SARAH G. FRANK  
(DEED BOOK 954 AT PAGE 165)  
(PUBLIC WATER)

BUFFER MARKER NOTE:  
1. THE PROPOSED PERMANENT BUFFER ZONE MARKERS ARE TO BE PLACED AS SHOWN ON THE PROPOSED SITE PLAN BEFORE THE START OF ANY CONSTRUCTION AND ARE TO BE 4"x4" (MIN.) PRESSURE TREATED TIMBER POSTS SET AT LEAST 24-INCHES ABOVE GRADE. A PERMANENT-TYPE TAG OR SIGN LABELED "WETLAND BUFFER ZONE" MUST BE PLACED ON EACH MARKER.



THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO 435-RICR-00-00-1.9 OF THE RULES AND REGULATIONS ADOPTED BY THE STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 26, 2015.

TYPE OF SURVEY: LIMITED CONTENT BOUNDARY SURVEY  
DATA ACCUMULATION SURVEY  
TOPOGRAPHIC ACCURACY

MEASUREMENT SPECIFICATION: CLASS I  
CLASS III  
T-2

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.

BY: MICHAEL R. DARVEAU, PLS#1978  
PRESIDENT, DARVEAU LAND SURVEYING, INC.

DATE: 4/27/23  
COA #LS-A497

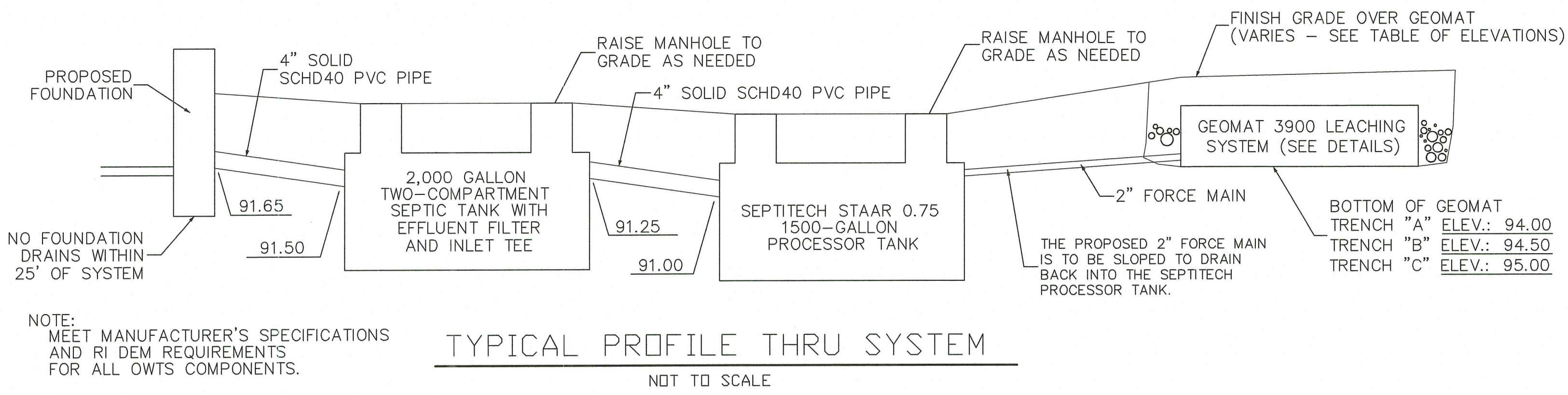
DARVEAU LAND SURVEYING, INC.  
P.O. BOX 7918  
CUMBERLAND, R.I. 02864  
PHONE 401-475-5700  
E-MAIL: MIKE@DARVEAUSURVEY.COM

PROPOSED O.W.T.S. PLAN FOR  
THE SPINDRIFT IRREVOCABLE TRUST  
PLAT 10, LOT 156  
LEDGE ROAD  
JAMESTOWN, RHODE ISLAND

SCALE: 1" = 20'  
DRAWN BY: S.A.K.  
PROJECT NO: 2021\_030  
SHEET NO: 1 OF 2

APPROVED IN THE INTEREST OF ENVIRONMENTAL MANAGEMENT AND FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS AS SPECIFIED IN THE ORDER OF APPROVAL  
DATED: JUN 08 2023  
NO CHANGES ALLOWED WITHOUT PROPER APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

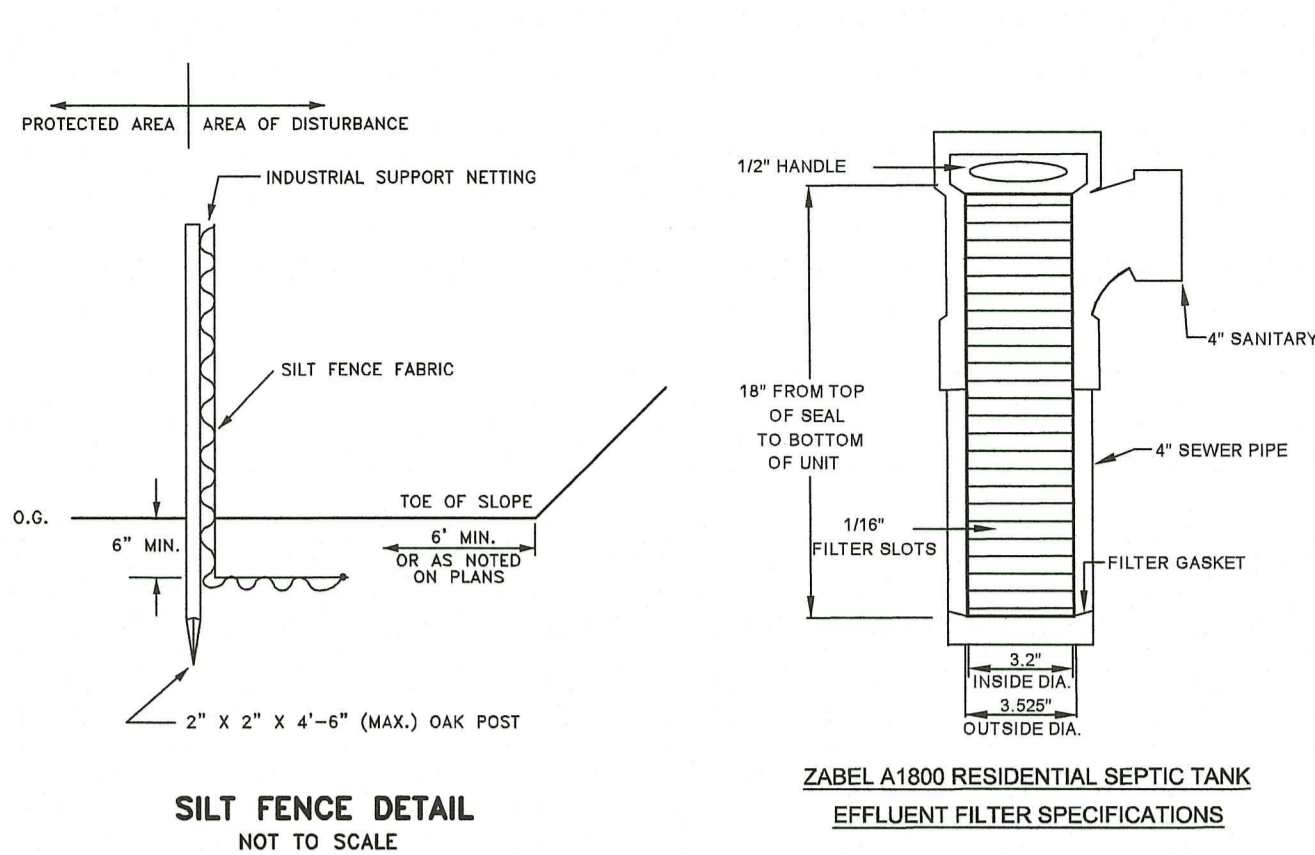
APPROVED: [Signature]  
DATE: 4/27/23



NOTE: MEET MANUFACTURER'S SPECIFICATIONS AND R.D.E.M. REQUIREMENTS FOR ALL OWTS COMPONENTS.

TYPICAL PROFILE THRU SYSTEM  
NOT TO SCALE

SEPTITECH NOTES:  
 1. 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.  
 2. TANK(S) SHALL BE INSTALLED WITH A MINIMUM OF 12-INCHES OF COMPACTED CRUSHED STONE BEDDING. SELECT FILL SHALL BE USED FOR BACK FILLING AROUND TANKS. NATIVE MATERIAL MAY BE USED IF APPROVED BY THE DESIGN ENGINEER.  
 3. 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 D1227.9.2. INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CLEAN WATER FOR THE TESTING, FILLING THE TANKS, AND PUMPING THE TANKS DRY ONCE TESTING IS COMPLETED.  
 4. EXTERIOR PIPING: CONTRACTOR IS RESPONSIBLE FOR SUPPLYING AND INSTALLING ALL EXTERIOR PIPING PER SEPTITECH INSTALLATION DRAWINGS.  
 5. 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.  
 6. 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.  
 7. 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) INSULATION AND THEN COMPLETE BACKFILLING. CONTRACTOR IS ALSO RESPONSIBLE FOR INSTALLING INSULATION OVER THE TOP OF THE FORCE MAIN 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.  
 8. ELECTRICAL: ALL ELECTRICAL WORK IS THE RESPONSIBILITY OF THE CONTRACTOR'S LICENSED ELECTRICIAN AND IS NOT PROVIDED BY SEPTITECH.  
 9. 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.

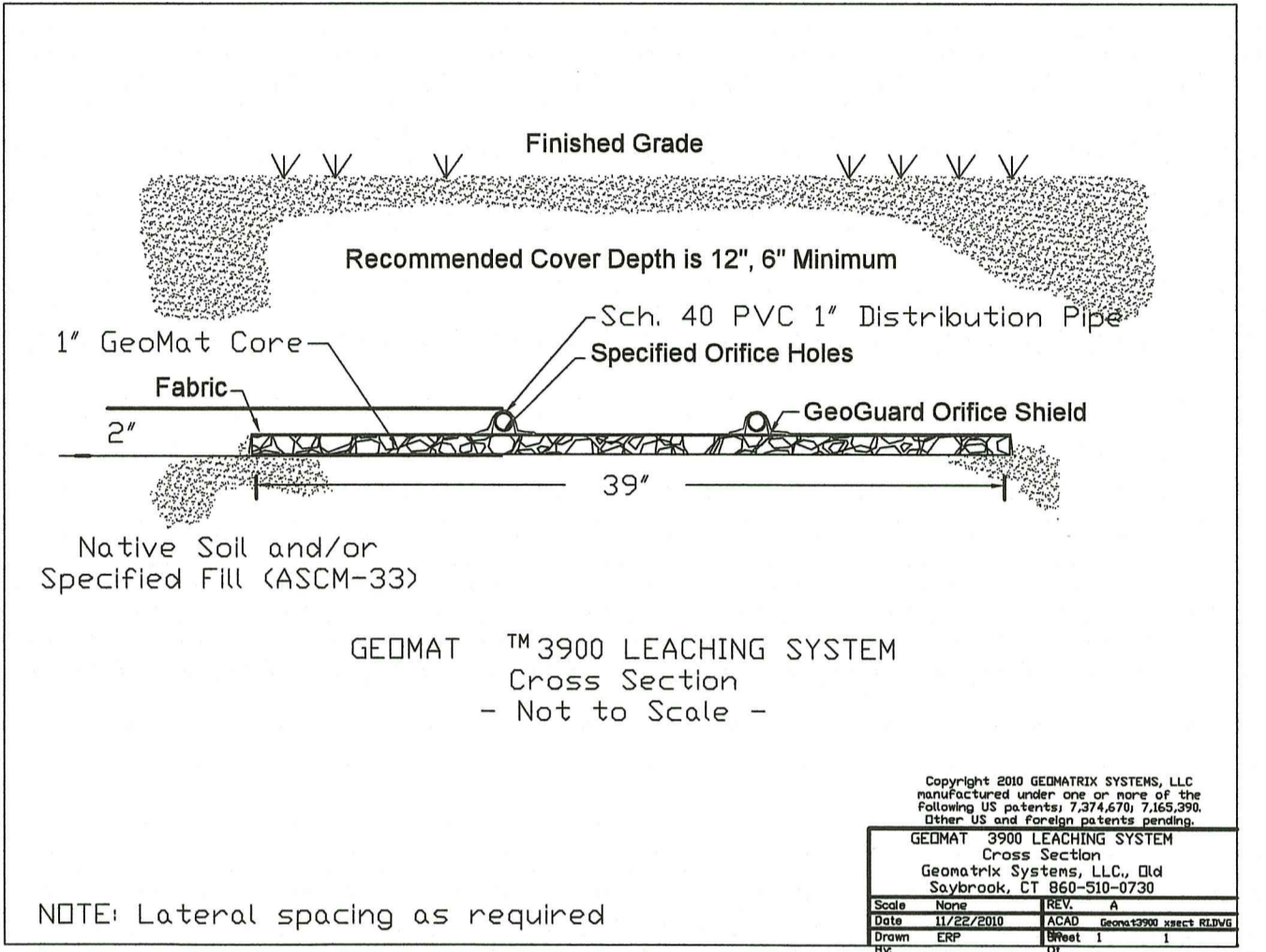
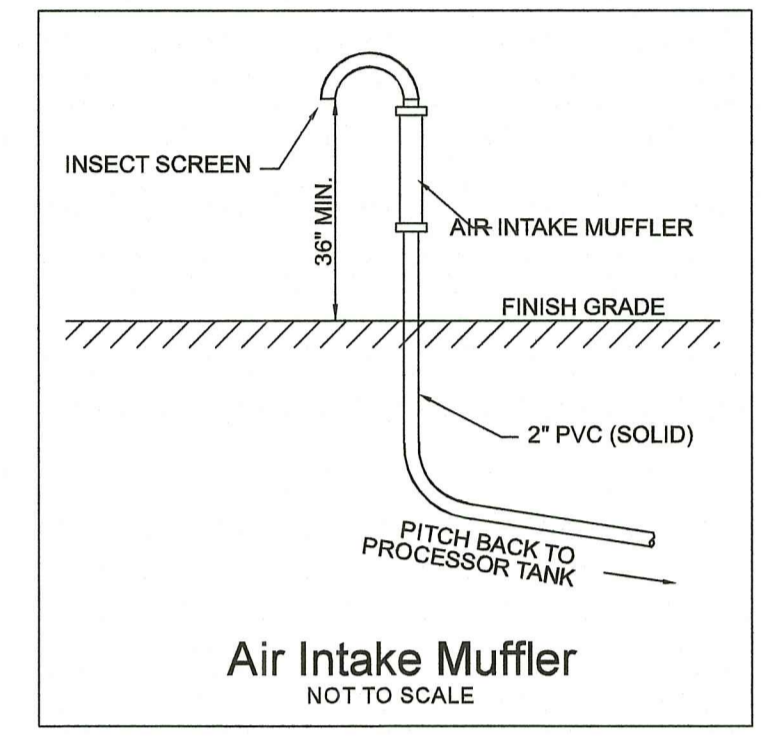


SEDIMENTATION AND EROSION CONTROL:  
 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION & EROSION CONTROL.  
 2. EMBANKMENT SLOPES & ALL DISTURBED AREAS ARE TO RECEIVE A LAYER OF TOPSOIL (LOAM) AND SEED.  
 3. IMMEDIATELY UPON COMPLETION OF THE CLEARING 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 RIDFW STANDARD SPECIFICATION SECTION 202.

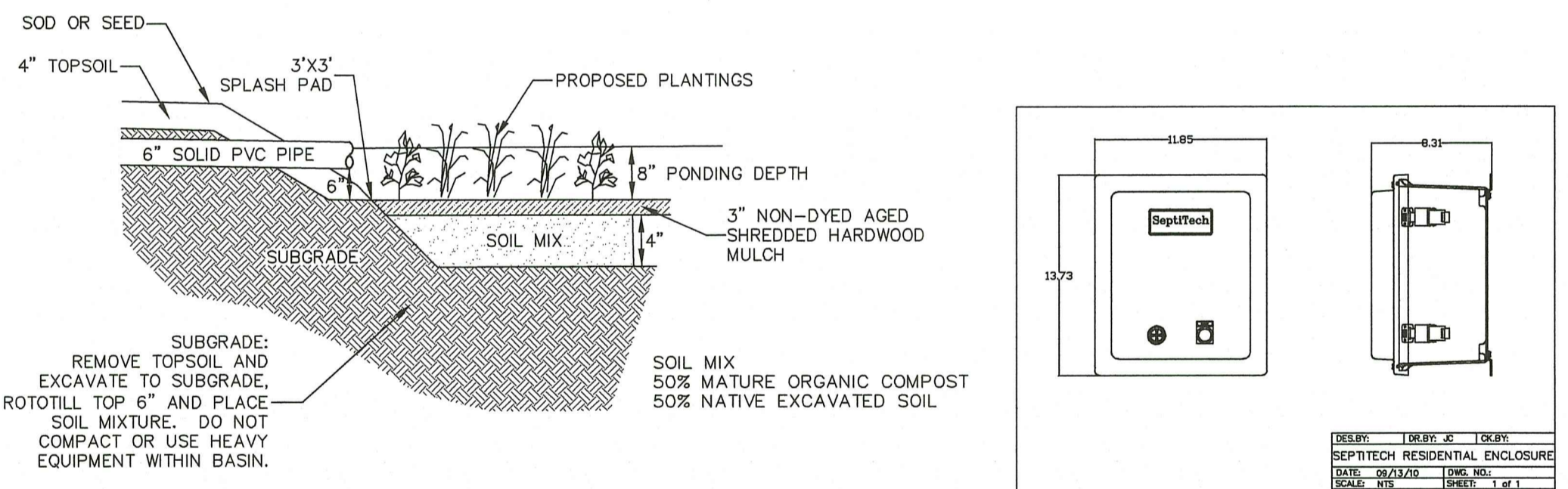
SEDIMENTATION CONTROL PROGRAM:  
 1. A TEMPORARY SILT FENCE, HAY BALES OR PROTECTIVE COVER SHALL BE INSTALLED PRIOR TO CONSTRUCTION & SHALL BE MAINTAINED ON A DAILY BASIS. IN ADDITION TO THE LINE OF THE SILT FENCE AT THE LIMIT OF PERMANENT DISTURBANCE, TEMPORARY BARRIERS SHALL BE CONSTRUCTED AT THE TOE 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'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.

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 WATER TIGHT 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 WATER TIGHT.  
 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 WEIGH 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 FLOATION SHALL BE DETERMINED, AND PROVISIONS SHALL BE MADE TO PREVENT FLOATION, WHERE NECESSARY AS DETERMINED BY THE FLOATION CALCULATIONS.  
 18. WHENEVER MORE THAN 25 PERCENT OF THE DAILY DESIGN FLOW IS PUMPED INTO A TANK, THE TANK CAPACITY SHALL BE INCREASED BY 40 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.

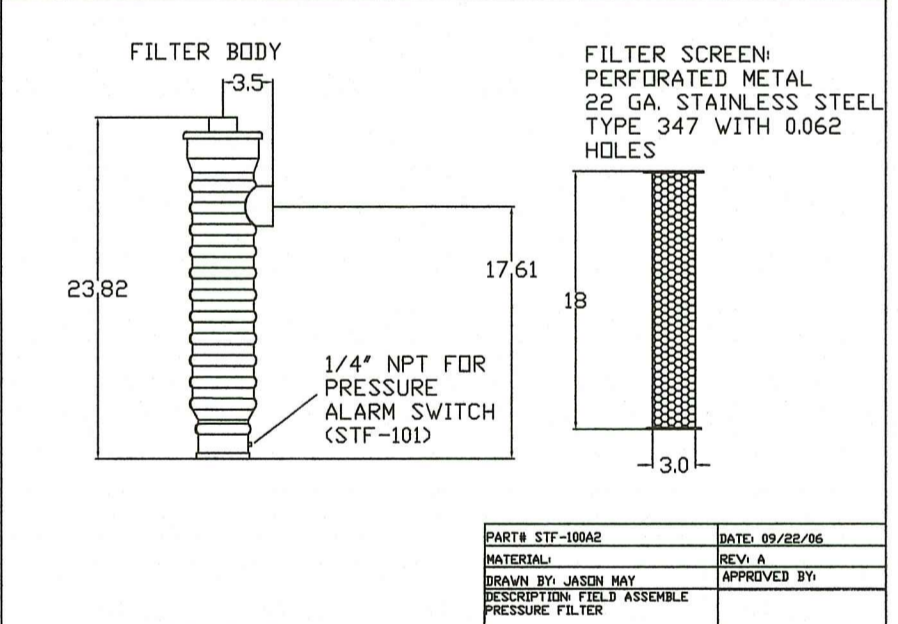
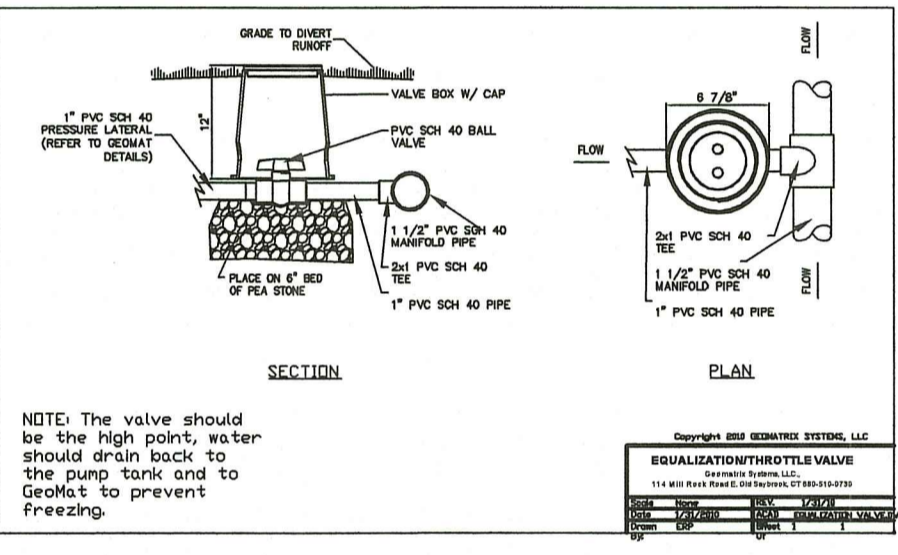


SLOPE STABILIZATION AND VEGETATION:  
 1. THE SILT FENCE OR HAY BALES SHALL BE PLACED AT THE TOE OF ALL DISTURBED SLOPES. THIS SHALL BE MAINTAINED AS A SEDIMENT BARRIER UNTIL THE SLOPES ARE STABILIZED WITH GRASS.  
 2. THE DISTURBED SLOPES (CUT OR FILL) SHALL BE IMMEDIATELY MULCHED AS AN EROSION PROTECTION 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.

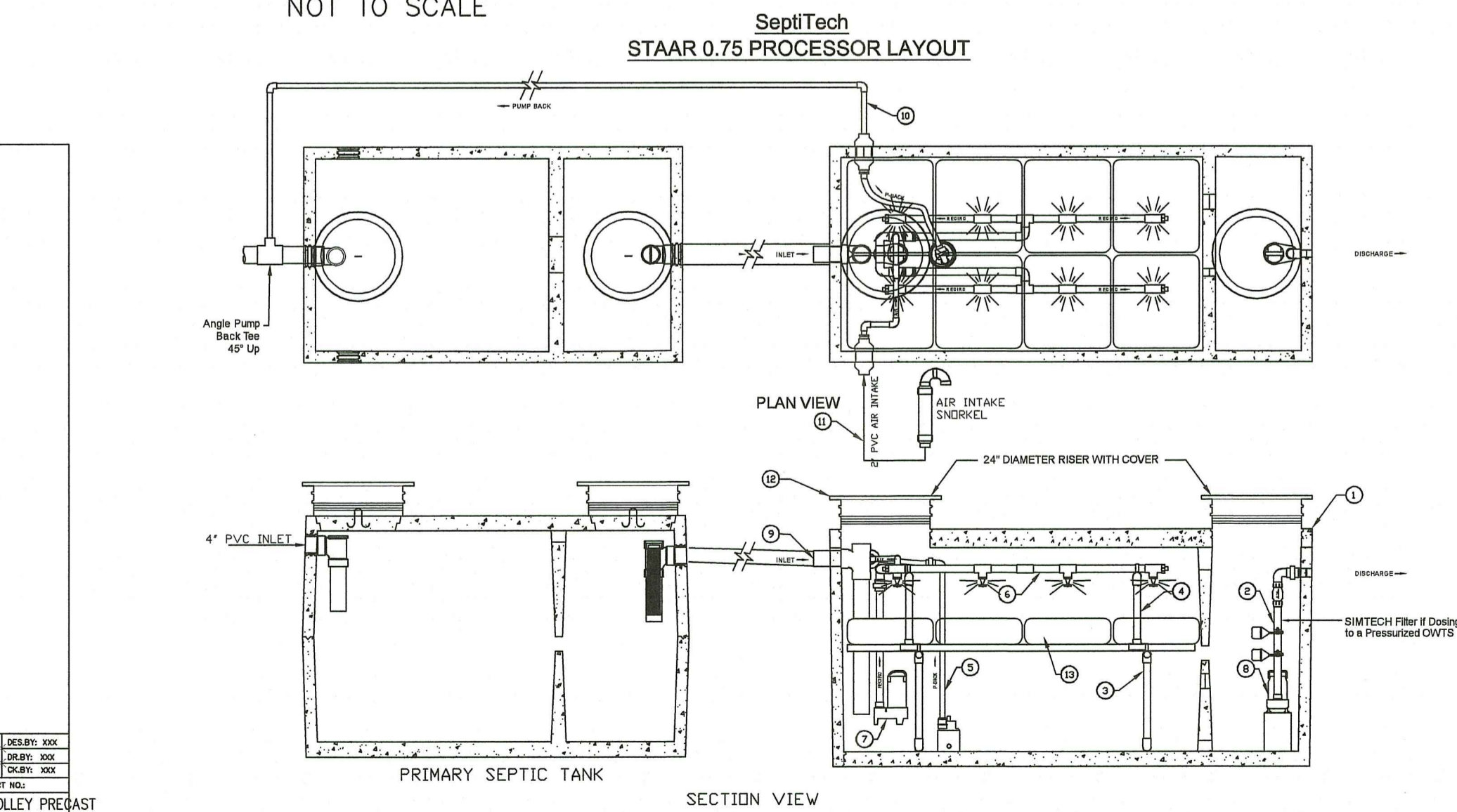
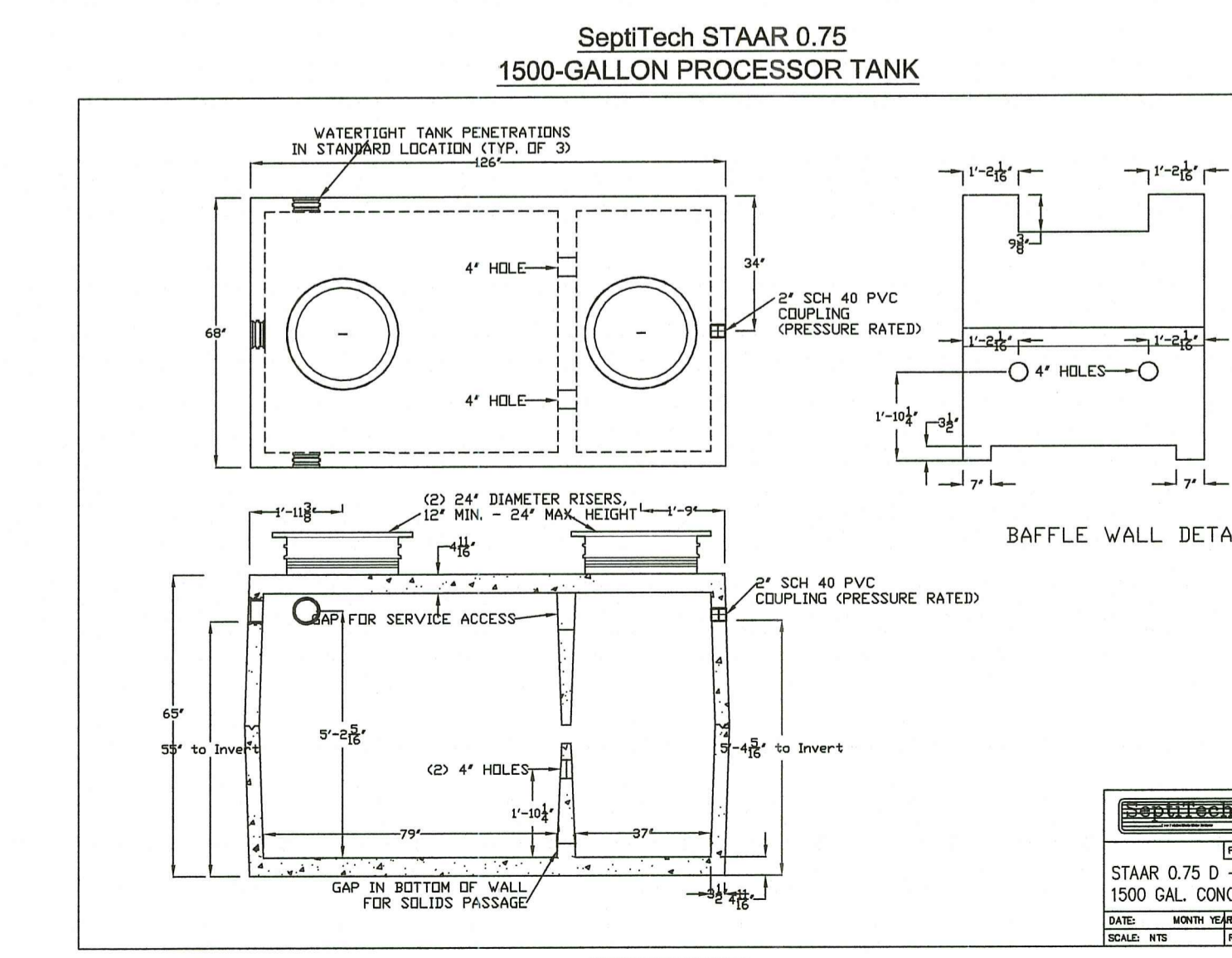
SIZING CALCULATION FOR RAIN GARDEN PER RHODE ISLAND STORMWATER MANAGEMENT GUIDANCE DOCUMENT FOR INDIVIDUAL SINGLE-FAMILY RESIDENTIAL LOT DEVELOPMENT - TABLE B: RAIN GARDEN SIZING GUIDANCE  
 \* RAIN GARDEN IS FOR RUN-OFF FROM THE PROPOSED DWELLING.  
 \* PROPOSED IMPERVIOUS AREA = 3,328 S.F.  
 \* RAIN GARDEN DEPTH = 8 INCHES  
 \* SOIL TYPE: SILTY SOILS = 0.16 SIZING FACTOR (1-INCH STORM EVENT)  
 \* 3,328 S.F. X 0.16 = 533 S.F. RAIN GARDEN REQUIRED  
 \* PROPOSED RAIN GARDEN BOTTOM AREA = 560 S.F.



RAIN GARDEN CROSS-SECTION  
NOT TO SCALE

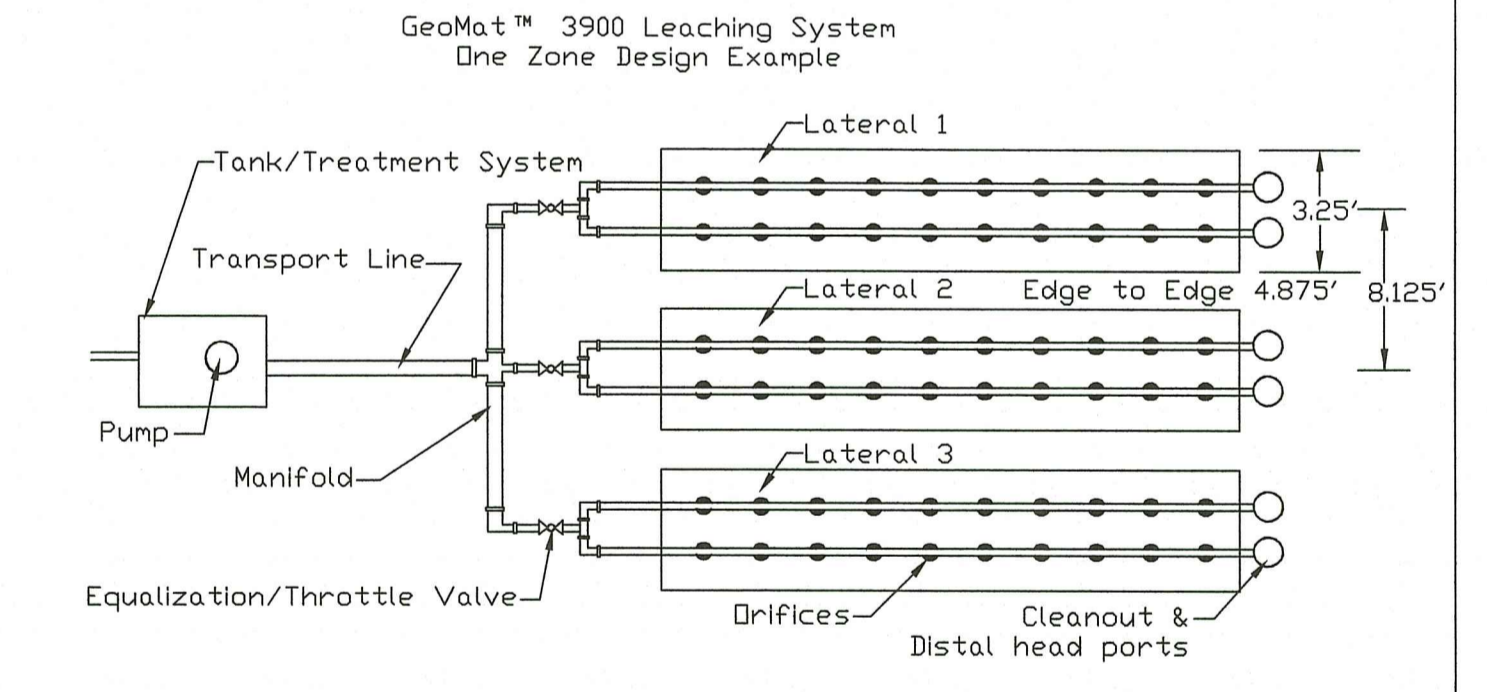
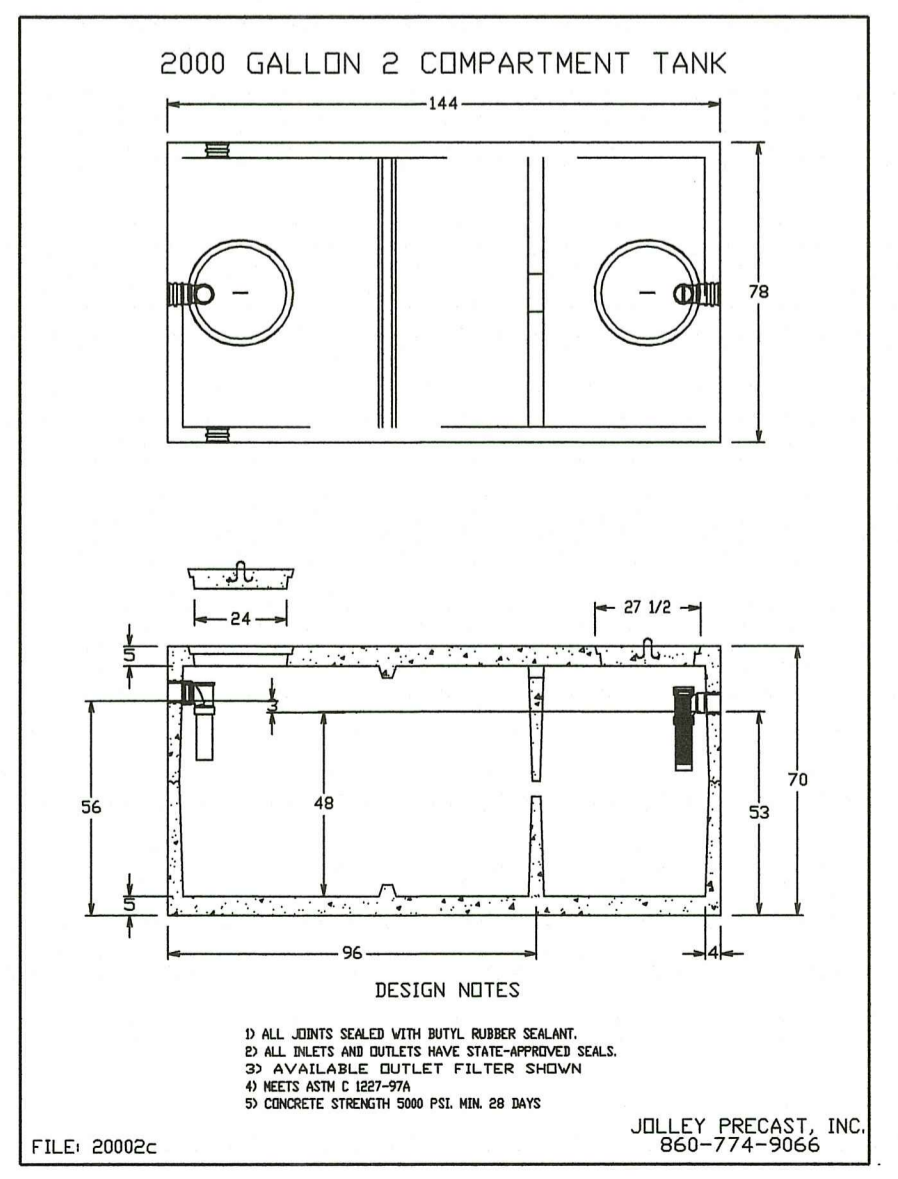


RAIN GARDEN NOTES:  
 1. RAIN GARDEN SHALL BE INSPECTED FOLLOWING AT LEAST THE FIRST TWO (2) PRECIPITATION EVENTS OF AT LEAST 1.0 INCH TO ENSURE THAT THE SYSTEM IS FUNCTIONING PROPERLY. THEREAFTER, THE RAIN GARDEN SHALL BE MONITORED AND MAINTAINED TO ASSURE PROPER FUNCTIONING PLANT GROWTH AND SURVIVAL. 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 POUNDS 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 GARDEN SHALL BE SUITABLE NATIVE PLANTS USED IN ACCORDANCE WITH THE RHODE ISLAND COASTAL PLANT GUIDE, WHICH IS LOCATED AT CELSURLIEDU/TESTSITE/COASTALPLANTS/COASTALPLANTGUIDE.HTM.  
 8. THE RAIN GARDEN SHALL BE PHYSICALLY DELINEATED PRIOR TO THE START OF CONSTRUCTION TO PREVENT ADDITIONAL COMPACTON.



ITEM	DESCRIPTION	ITEM	DESCRIPTION
1	1500 Gal. CONCRETE Tank	8	Discharge Pump
2	Discharge Assembly w/ SHIMTECH 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	Reirculation Pump		

NOTE TO INSTALLER  
 The SeptiTech processor tank needs to be 1/2 filled with clean water prior to startup.



Copyright 2008 GEOWATERS SYSTEMS, LLC  
 Manufactured under one or more of the following US patents: 7,314,470; 7,526,296; 7,526,297; 7,526,298; 7,526,299; 7,526,300; 7,526,301; 7,526,302; 7,526,303; 7,526,304; 7,526,305; 7,526,306; 7,526,307; 7,526,308; 7,526,309; 7,526,310; 7,526,311; 7,526,312; 7,526,313; 7,526,314; 7,526,315; 7,526,316; 7,526,317; 7,526,318; 7,526,319; 7,526,320; 7,526,321; 7,526,322; 7,526,323; 7,526,324; 7,526,325; 7,526,326; 7,526,327; 7,526,328; 7,526,329; 7,526,330; 7,526,331; 7,526,332; 7,526,333; 7,526,334; 7,526,335; 7,526,336; 7,526,337; 7,526,338; 7,526,339; 7,526,340; 7,526,341; 7,526,342; 7,526,343; 7,526,344; 7,526,345; 7,526,346; 7,526,347; 7,526,348; 7,526,349; 7,526,350; 7,526,351; 7,526,352; 7,526,353; 7,526,354; 7,526,355; 7,526,356; 7,526,357; 7,526,358; 7,526,359; 7,526,360; 7,526,361; 7,526,362; 7,526,363; 7,526,364; 7,526,365; 7,526,366; 7,526,367; 7,526,368; 7,526,369; 7,526,370; 7,526,371; 7,526,372; 7,526,373; 7,526,374; 7,526,375; 7,526,376; 7,526,377; 7,526,378; 7,526,379; 7,526,380; 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