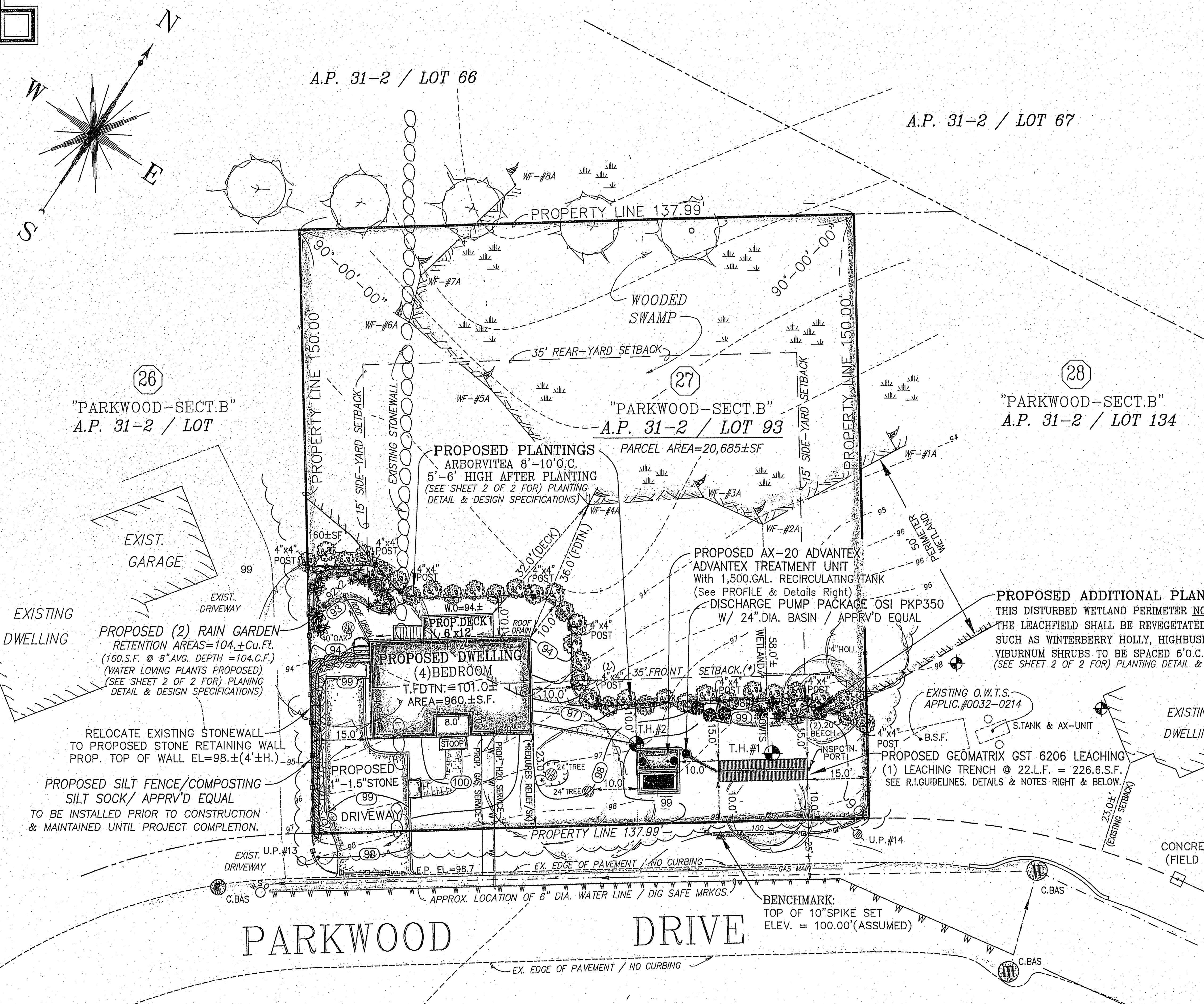
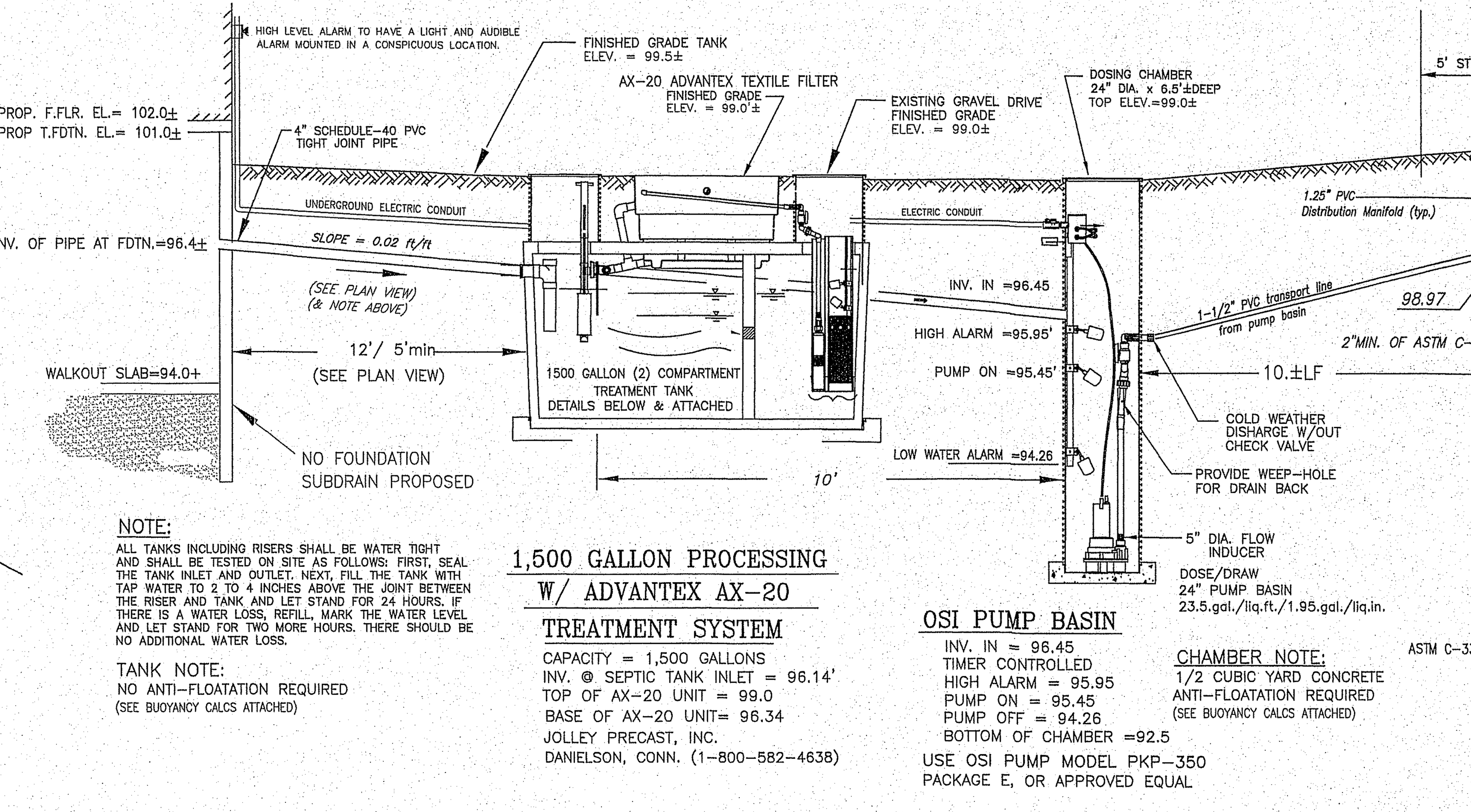


-PLAN VIEW-

(1 Inch = 20 ft.)

NOTE: TO OBTAIN METERS, MULTIPLY FEET BY 0.3048.



NOTE:
ALL TANKS INCLUDING RISERS SHALL BE WATER TIGHT AND SHALL BE TESTED ON SITE AS FOLLOWS: FIRST, SEAL THE TANK INLET AND OUTLET. NEXT, FILL THE TANK WITH TAP WATER TO 2 TO 4 INCHES ABOVE THE JOINT BETWEEN THE RISER AND TANK AND LET STAND FOR 24 HOURS. IF THERE IS A WATER LOSS, REFILL, MARK THE WATER LEVEL AND LET STAND FOR TWO MORE HOURS. THERE SHOULD BE NO ADDITIONAL WATER LOSS.

TANK NOTE:
NO ANTI-FLOATATION REQUIRED
(SEE BUOYANCY CALCS ATTACHED)

1,500 GALLON PROCESSING W/ ADVANTEX AX-20 TREATMENT SYSTEM

CAPACITY = 1,500 GALLONS
INV. @ SEPTIC TANK INLET = 96.14'
TOP OF AX-20 UNIT = 99.0
BASE OF AX-20 UNIT= 96.34
JOLLEY PRECAST, INC.
DANIELSON, CONN. (1-800-582-4638)

OSI PUMP BASIN

INV. IN = 96.45
TIMER CONTROLLED
HIGH ALARM = 95.95
PUMP ON = 95.45
PUMP OFF = 94.26
BOTTOM OF CHAMBER =92.5
USE OSI PUMP MODEL PKP-350
PACKAGE E, OR APPROVED EQUAL

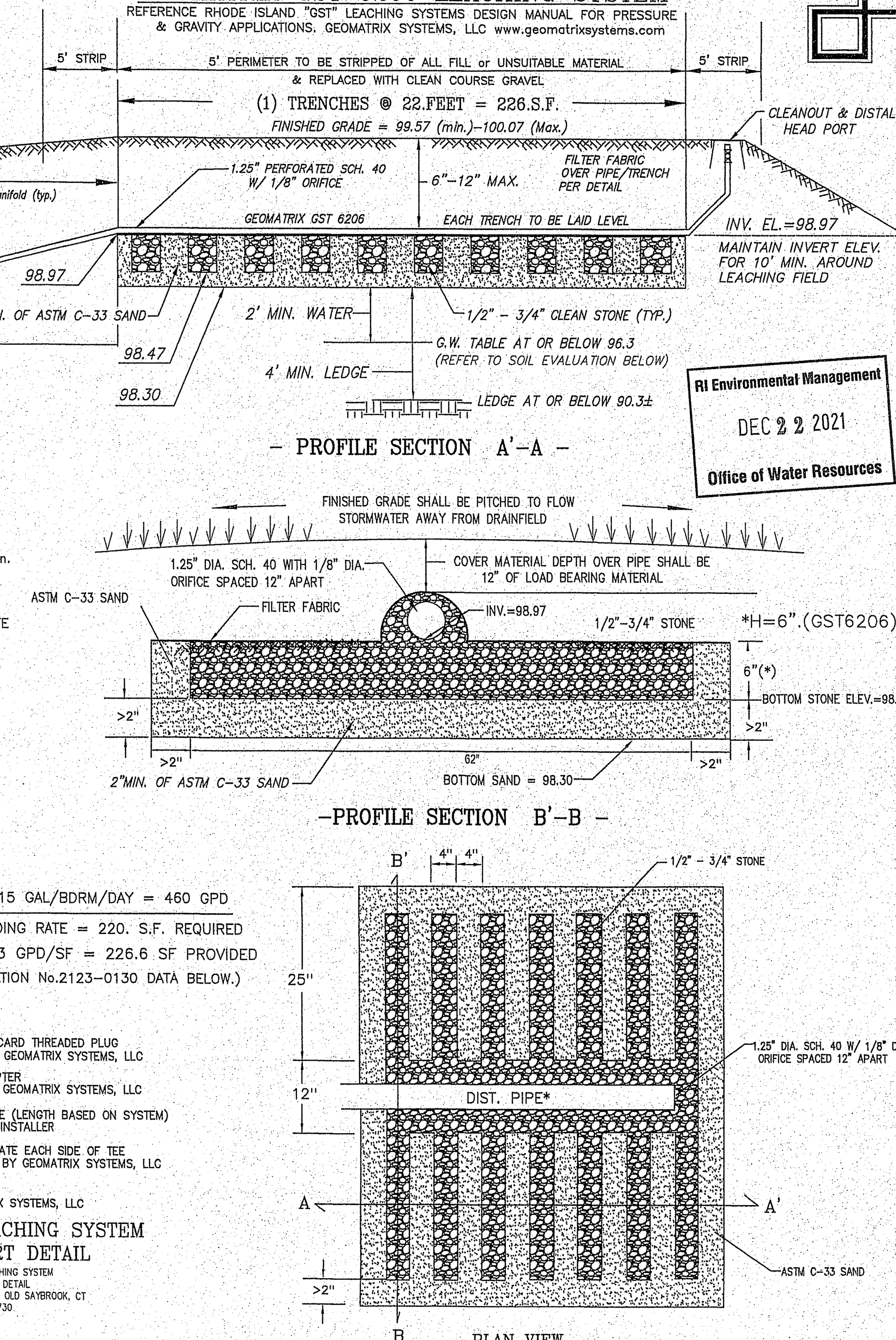
CHAMBER NOTE:
1/2 CUBIC YARD CONCRETE
ANTI-FLOATATION REQUIRED
(SEE BUOYANCY CALCS ATTACHED)

-PROFILE OF SYSTEM-

(NOT TO SCALE)

GEOMATRIX GST 6206 LEACHING SYSTEM

REFERENCE RHODE ISLAND "GST" LEACHING SYSTEMS DESIGN MANUAL FOR PRESSURE & GRAVITY APPLICATIONS. GEOMATRIX SYSTEMS, LLC www.geomatrixsystems.com



GEOMATRIX GST 6206 LEACHING SYSTEM

(Not To Scale)

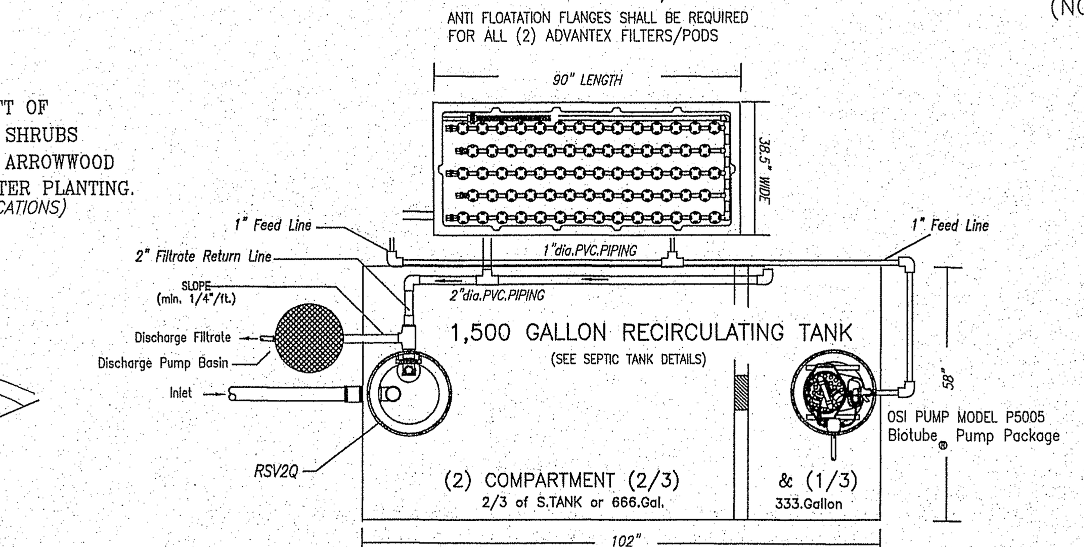
LEACHING DESIGN DATA

PROP. NUMBER OF BEDROOMS = 4 x 115 GAL/BDRM/DAY = 460 GPD

(460 GAL/DAY 2.1 GAL./S.F./DAY. LOADING RATE = 220. S.F. REQUIRED
22LF OF GEOMATRIX GST 6206 @ 10.3 GPD/SF = 226.6 SF PROVIDED
(REF. R.I.D.E.M. SOIL EVALUATIONS APPLICATION No.2123-0130 DATA BELOW.)

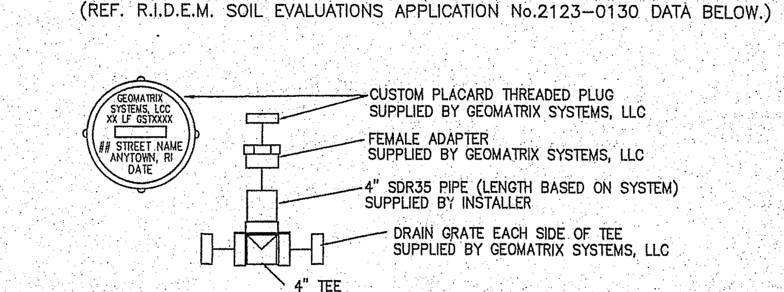
AX20 Filters / POD

ANTI FLOATATION FLANGES SHALL BE REQUIRED FOR ALL (2) ADVANTEX FILTERS/PODS

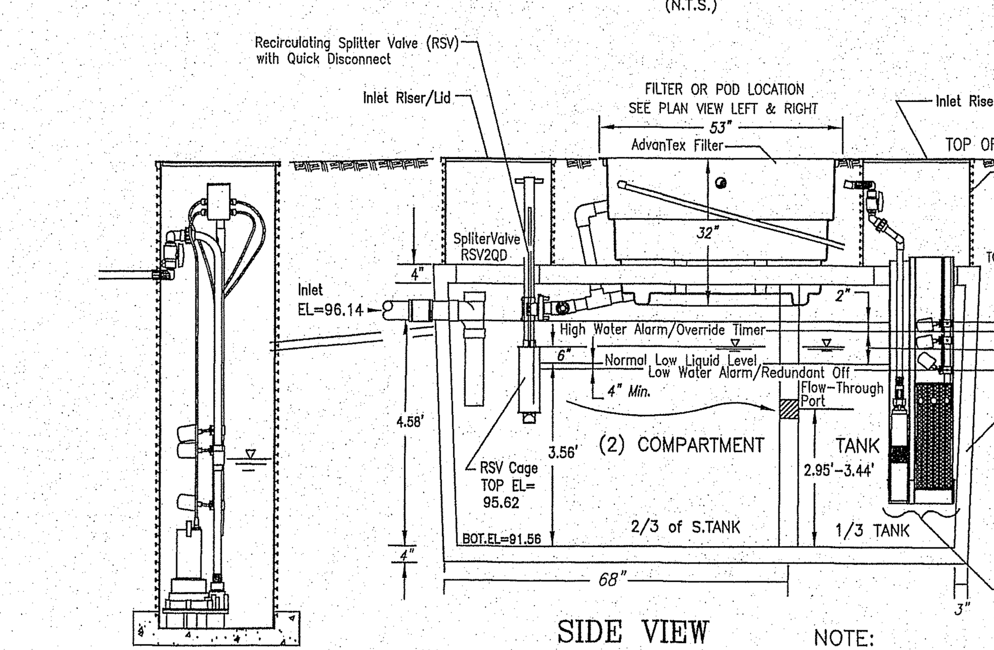


TOP VIEW

(N.T.S.)



GEOMATRIX GST LEACHING SYSTEM INSPECTION PORT DETAIL



SIDE VIEW

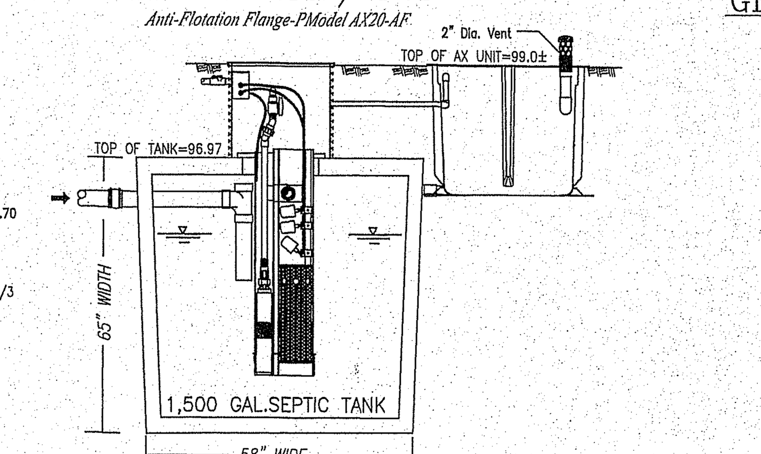
(N.T.S.)

PUMP CHAMBER 24"DIA. WITH
USE OSI PUMP MODEL PKP350
PACKAGE E, OR APPROVED EQUAL

NOTE:
1/2 CUBIC YARD CONCRETE
ANTI-FLOATATION REQUIRED
(SEE BUOYANCY CALCS ATTACHED)

NOTE:
NO ANTI-FLOATATION REQUIRED
(SEE BUOYANCY CALCS ATTACHED)

AX20 Filters / POD



END VIEW

(N.T.S.)

AdvanTex Treatment System

AX20 Series - Mode 3b

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 3 1 2021 FILE # 21-0333
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

RI Environmental Management
DEC 2 2 2021
Office of Water Resources

ZONING DISTRICT: R-20

MIN. PARCEL AREA=20,000±Sq.Ft.
SUBJECT PARCEL AREA=20,685.±Sq.Ft.
MINIMUM BUILDING SETBACKS:
PRIMARY STRUCTURE - (ACCESSORY BUILDING 2-STORY)
FRONT YARD.......35 FEET (ACCESSORY 2 STORY = 35.FT.)
SIDE YARD..........15 FEET (ACCESSORY 2 STORY = 10.FT.)
REAR YARD.........35 FEET (ACCESSORY 2 STORY = 10.FT.)
MAXIMUM BUILDING HEIGHT=35 FT. (15' ACCESSORY)
(*) BUILDING NOTE:
THE PROPOSED STRUCTURE AS SHOWN, REQUIRED RELIEF PER S.K. ORDINANCE

GENERAL NOTES

(ONLY CIRCLED NOTES APPLY.)

1. DISTRIBUTION BOX TO BE 3 SQ.FT. MIN. & BE PROVIDED A SUITABLE BAFFLE.
2. SEPTIC TANK(S) TO BE TWO COMPARTMENT AND PROVIDED WITH AN INLET TEE & EFFLUENT FILTER.
3. MAINTAIN ELEV. 98.97 FOR 10.FT. AROUND THE PERIMETER OF GEOMATRIX LEACH/DRAINDFIELD AND ELEVATION 96.14 FOR 10 FT. AROUND THE SEPTIC TANK, UNLESS OTHERWISE NOTED.
4. THERE ARE NO WELLS WITHIN 200 FT. OF THE PROPOSED SEPTIC SYSTEM, UNLESS SHOWN ON PLAN.
5. THERE AREA NO SEPTIC SYSTEMS WITHIN 100 FT. OF THE PROPOSED WELL, UNLESS SHOWN ON PLAN.
6. THERE ARE NO DRAINS EXISTING OR PROPOSED WITHIN 25 FT. OF THE PROPOSED SEPTIC SYSTEM, UNLESS SHOWN ON PLAN.
7. SCHEDULE 35-SDR P.V.C. PIPE FOR ALL OWTS PIPING, UNLESS OTHERWISE NOTED.
8. A MINIMUM OF 10 FT. SHOULD BE MAINTAINED BETWEEN GEOMATRIX/LEACHFIELD AND NEIGHBORING TREES AND SHRUBS. THE ROOT SYSTEMS OF WATER-LOVING TREES AND SHRUBS CAN CAUSE DAMAGE TO P.S.N.D. REMOVE PERIMETER ROOTS & MAINTAIN A ROOT FABRIC BARRIER BETWEEN WATER-LOVING TREES (I.E. WILLOW) AND THE LEACHFIELD.
9. HEAVY MACHINERY SHALL NOT BE PERMITTED TO DRIVE OVER THE LEACH FIELD.
10. FOR PROPER PERFORMANCE, THE SEPTIC TANK(S) AND EFFLUENT FILTER(S) SHOULD BE INSPECTED AT LEAST ONCE A YEAR & WHEN THE TOTAL DEPTH OF SCUM AND SOLIDS EXCEED 1/3 THE LIQUID DEPTH OF THE TANK, THE TANK SHOULD BE PUMPED.
11. THE DESIGNER SHALL NOT BE RESPONSIBLE FOR THE PERFORMANCE OF THIS SYSTEM UNLESS COSTRUCTED AS SHOWN. ANY OTHER ALTERATIONS MUST BE APPROVED IN WRITING BY THE DESIGNER.
12. PROPERTY LINES, UNLESS OTHERWISE INDICATED CONFORM TO A CLASS III STANDARD, AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.
13. THERE ARE NO PUBLIC WELLS WITHIN 500 FT. OF THE PROPOSED OWTS, EXCEPT AS SHOWN.
14. THERE ARE NO COASTAL PONDS OR TRIBUTARIES THERETO INCLUDING STORM AND SUBSURFACE DRAINS DIRECTLY DISCHARGING THERETO WITHIN 200 FT. OF THE PROPOSDED OWTS, EXCEPT AS SHOWN.
15. SUBJECT PARCEL IS NOT SITUATED IN THE COASTAL POND CRITICAL RESOURCE AREA.
16. RE-PLUMB EXISTING STRUCTURE AS NECESSARY TO MATCH THE INVERTS OF THE PROPOSED SEPTIC SYSTEM.
17. BENCHMARK TO BE SET WITHIN 150 FT. OF THE PROPOSED OWTS LOCATION. PRIOR TO CONSTRUCTION.
18. THE LEACHFIELD & (5) FEET BEYOND THE LEACHFIELD SHALL BE STRIPPED OF ALL TOPSOIL & UNSUITABLE MATERIAL & BACKFILLED WITH CLEAN COURSE GRAVEL PER RULE: 6.34(F)(1)(2).
19. ALL OTHER DESIGN, CONSTRUCTION AND MAINTENANCE REQUIREMENTS, WHETHER NOTED HEREON, OR NOT SHALL CONFORM WITH THE RULES & REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ONSITE WASTEWATER TREATMENT SYSTEMS, NOV. 25, 2018 BY R.I.D.E.M., AUTHORITY: CHAPTER 42-35 PURSUANT TO CHAPTERS 42-17.1, 5-56, 5-56.1, 23-19.5, AND 23-24.3, OF THE RHODE ISLAND GENERAL LAWS OF 1956, AS AMENDED.

LICENSED DESIGNER SYSTEM REQUIREMENTS:

NOTICE TO OWNER & INSTALLER - THE EXACT LOCATION OF THE PROPOSED LEACHING SYSTEM SHALL BE FIELD STAKED BY THE LICENSED DESIGNER AS PART OF HIS CONSTRUCTION OBSERVATION CONTRACT WITH THE OWNER. A 72 HOUR NOTICE IS HEREBY REQUIRED PRIOR TO THE START OF ANY CONSTRUCTION. A PRE-CONSTRUCTION MEETING BETWEEN THE LICENSED DESIGNER & LICENSED INSTALLER AT THE SITE IS REQUIRED FOLLOWING THE FIELD STAKING OF THE SYSTEM LOCATION.

A. THE DESIGNER MUST AT A MINIMUM, INSPECT AND MAKE MEASUREMENTS, WHERE APPROPRIATE, OF THE FOLLOWING COMPONENTS AND STEPS IN THE INSTALLATION OF THE OWTS; STAKING OF THE LEACHING SYSTEM .
   (1) THE EXPOSED BOTTOM OF THE EXCAVATION FOR THE LEACH FIELD;
   (2) THE SIZE AND CONDITION OF ALL STRUCTURES SUCH AS THE SEPTIC TANK, D-BOX,
   (3) THE ELEVATIONS OF ALL PIPE INVERTS;
   (4) ALL SAND MEDIA, PEA STONE AND AGGREGATE IS IN ACCORDANCE WITH SPECIFICATIONS.
   (5) COMPLETED INSTALLATION PRIOR TO COVERING;
   (6) THE TYPE OF BACKFILL AND THAT THE BACKFILL IS PROPERLY PLACED AND COMPACTED. PLACED IN ACCORDANCE WITH THE DESIGN PLAN;
   (7) FINAL SOIL COVER INCLUDING 10 FT PERIMETER; AND
   (8) ALL HORIZONTAL SET-BACKS, INCLUDING FROM THE BUILDING AND ANY WELLS ON-SITE OR ON ABUTTING LOTS.

B. IF CONDITIONS ARE ENCOUNTERED DURING CONSTRUCTION WHICH INDICATE THAT THE SYSTEM CANNOT BE INSTALLED OR IS NOT INSTALLED IN ACCORDANCE WITH THE PERMIT, OR ANY TERMS AND CONDITIONS CONTAINED THEREIN, THE DESIGNER SHALL NOTIFY THE DIRECTOR AS SOON AS POSSIBLE, BUT NO LATER THAN 24 HOURS AFTER DISCOVERY. THE DEPARTMENT SHALL ISSUE WRITTEN GUIDANCE ON SPECIFICATIONS FOR CONSTRUCTION TOLERANCES AS WELL AS CONDITIONS UNDER WHICH AS-BUILT PLANS AND REDESIGNED PLANS ARE REQUIRED. THE INSTALLER SHALL STOP CONSTRUCTION IF CONDITIONS ARE SUCH THAT A REDESIGN IS REQUIRED. NOTIFICATION IS NOT REQUIRED IF ALL DESIGN ELEMENTS ARE WITHIN THE TOLERANCES ESTABLISHED BY THE DEPARTMENT THROUGH WRITTEN GUIDANCE.

C. THE INSTALLER SHALL PROVIDE THE LICENSED DESIGNER AT MINIMUM THE INFORMATION BELOW THAT THAT CAN BE USED TO VERIFY THAT THE INSTALLATION OF THE OWTS WAS PERFORMED AS SPECIFIED:
   (1) LIST OF ALL MATERIALS USED, THEIR SOURCE, AND THE DATES DELIVERED TO THE SITE; AND
   (2) PRODUCT SPECIFICATION SHEETS, IF DIFFERENT FROM THOSE SPECIFIED IN THE APPROVED DESIGN.
   (3) A MINIMUM OF TWO PHOTOGRAPHS OF THE SYSTEM BEING INSTALLED;

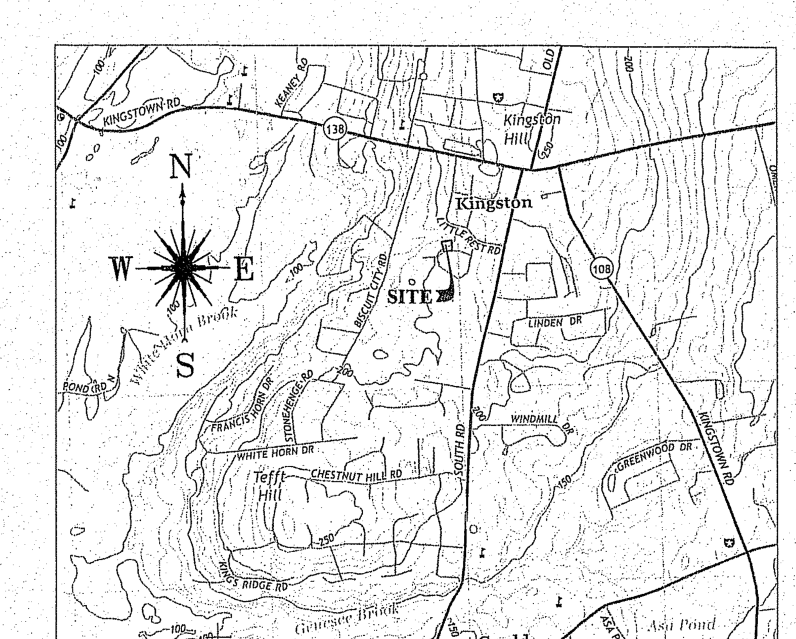
D. CERTIFICATE OF CONSTRUCTION
   (1) THE DESIGNER THAT IS RESPONSIBLE FOR THE SYSTEM INSTALLATION IN ACCORDANCE WITH RULE 43.3. SHALL COMPLETE A CERTIFICATE OF CONSTRUCTION THAT CERTIFIES THAT THE OWTS WAS INSTALLED IN CONFORMANCE WITH THE APPROVED APPLICATION, PLANS, SPECIFICATIONS, APPLICABLE STATUTES AND REGULATIONS AND THAT HE OR SHE IS RESPONSIBLE FOR HAVING OBSERVED THE INSTALLATION. THE CERTIFICATE OF CONSTRUCTION SHALL BE ON FORMS PROVIDED BY THE DIRECTOR.
   (2) THE CERTIFICATE OF CONSTRUCTION SHALL BE SUBMITTED TO THE DIRECTOR AFTER THE OWTS, BUILDING FOUNDATION, DRINKING WATER WELL, AND OTHER APPURTENANCES, AS MAY BE SPECIFIED IN WRITTEN DEPARTMENT GUIDANCE AND HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN PLAN.
   (3) IN ADDITION TO THE CERTIFICATION IN RULE 43.10, THE CERTIFICATE OF CONSTRUCTION SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
      (A) NAME AND LICENSE NUMBER OF THE DESIGNER;
      (B) NAME AND LICENSE NUMBER OF THE INSTALLER;
      (C) DISTANCES FROM TWO BUILDING FOUNDATION CORNERS TO THE SEPTIC TANK

E. ONCE THE DESIGNER HAS CERTIFIED THAT THE OWTS HAS BEEN PROPERLY INSTALLED, THE DESIGNER SHALL PROVIDE INFORMATION AND RECOMMENDATIONS TO THE OWNER OF THE OWTS ON SYSTEM SPECIFIC OPERATION AND MAINTENANCE PRACTICES TO PREVENT AGAINST PREMATURE SYSTEM FAILURE AND POLLUTION OF THE WATERS OF THE STATE.

F. THE DESIGNER IS NOT RESPONSIBLE FOR ANY NEGLIGENT ACT OR OMISSION OF A USER OF AN OWTS, INCLUDING BUT NOT LIMITED TO, FAILURE TO PROPERLY USE AND MAINTAIN THE SYSTEM, WHICH CAUSES DAMAGE TO THE OWTS.

G. THE OWNER OF THIS SEPTIC SYSTEM SHALL CONTINUOUSLY MAINTAIN A SERVICE CONTRACT WITH A QUALIFIED AND CERTIFIED SERVICE PROVIDER, FOR THE LIFE OF THE SEPTIC SYSTEM. THIS APPLIES TO ALL POSSIBLE FUTURE OWNER'S OF THIS SEPTIC AS WELL, A COPY OF THIS SERVICE CONTRACT SHALL BE FILED IN THE TOWN LAND EVIDENCE RECORDS.

G. REFERENCE RHODE ISLAND "GST" LEACHING SYSTEMS DESIGN MANUAL FOR PRESSURE & GRAVITY APPLICATIONS. GEOMATRIX SYSTEMS, LLC www.geomatrixsystems.com



LOCATION MAP

(Not To Scale)

SOIL TEST DATA

TEST HOLE #1; EXCAVATION DATE: 2/11/2021

DEPTH/SOIL	SOIL DESCRIPTION
0"-7"	Ap, sil, 1fgr, Fr, (5)
7"-24"	Bw1, sil, 1fsbk Fr, (5)
24"-32"	Bw2, sil, 1msbk, Fr, (5)
32"-38"	Bw3, sil, 1fsbk, Fr, (5)
38"-42"	CBg, vfsl, 0-m, fr, (7)
42"-96"	Cg, st,vgls, 0-m, vfr, (6m)

ESTIMATED SEASONAL HIGH WATER TABLE @ DEPTH=24"
DEPTH OF HOLE & NO REFUSAL @ 96"

TEST HOLE #2; EXCAVATION DATE: 2/11/2021

DEPTH/SOIL	SOIL DESCRIPTION
0"-7"	Ap, sil, 1fgr, Fr, (5)
7"-12"	Bw1, sil, 1fsbk Fr, (5)
12"-24"	Bw2, sil, 1msbk, Fr, (5)
24"-29"	Bw3, sil, 1fsbk, Fr, (5)
29"-52"	Cg, sil, 0-m, fr, (7)
52"-96"	2Cg, st,vgls, 0-m, vfr, (6m)

ESTIMATED SEASONAL HIGH WATER TABLE @ DEPTH=24"
DEPTH OF HOLE & NO REFUSAL @ 96"
REF. R.I.D.E.M. SOIL EVALUATIONS APPLICATION No.2123-0130
PREPARED BY: KATHLEEN P MANGAN DEM LIC.-4025

SONDER
No. 1912
Dec. 20, 2021
PROFESSIONAL LAND SURVEYOR
RIDEM-DESIGNER LIC.#D2055
VALID ONLY WITH SIGNATURE & DATE

PROPOSED ONSITE WASTEWATER TREATMENT SYSTEM DESIGN & DETAILS

FOR PARCEL OF LAND BELONGING TO

EARLE S. & BRENNA E. SHARPE

LAND SITUATED AT PARKWOOD DRIVE & ALSO KNOWN AS

ASSESSOR'S PLAT 31-2 LOT 93

SITUATED IN THE TOWN OF

SOUTH KINGSTOWN, RHODE ISLAND

DATE: JULY. 16, 2021; SCALE:1"=20'

REVISED: SEPT. 17, 2021 / L.O.D. - SHEET 2 DETAILS & SPECS.
DEC. 20, 2021 / REDUCE HOUSE, DECK L.O.D., ADD PLANTINGS PER RIDEM

PREPARED BY:

EASTERBROOKS & ASSOCIATES, LLC

2497 BOSTON NECK ROAD SAUNDERSTOWN, R.I. 02874 TEL.401.667-7770

SHEET 1 OF 2 SHEETS

Environmental Management
DEC 2 2 2021
Office of Water Resources

BIORETENTION AREA CONTRUCTION NOTES:

BIORETENTION SOIL

BIORETENTION SOIL SHALL CONSIST OF USDA LOAMY SAND TO SANDY LOAM CLASSIFICATION AND MEET THE FOLLOWING GRADATION: SAND (85–88%), SILT (8–12%), CLAY (0–2%), AND ORGANIC MATTER IN THE FORM OF LEAF COMPOST (3–5%). THE BIORETENTION SOIL SHALL BE MIXED SO THAT A COEFFICIENT OF PERMEABILITY OF 1.0 FT/DAY IS ACHIEVED. SINCE THE SOIL PLANTING BED DEPTH IS 12", RATHER THAN THE RECOMMENDED 24–48", 20% BY VOLUME OF WELL AGED (6–12 MONTHS), WELL AERATED LEAF COMPOST (OR EQUIVALENT) SHALL BE ADDED TO THE BIORETENTION SOIL MIXTURE. FOR A 110 SF X 12" DEEP BIORETENTION AREA, THIS AMOUNTS TO 22 CF OF LEAF COMPOST.

MULCH

THE MULCH LAYER SHALL CONSIST OF WELL AGED (OVER 6 MONTHS) SHREDDED HARDWOOD THAT IS UNIFORM IN COLOR AND FREE OF OTHER MATERIALS (SUCH AS WEED SEEDS, SOIL, ROOTS, ETC.). GRASS CLIPPINGS SHOULD NOT BE USED AS MULCH MATERIAL. THE MAXIMUM DEPTH OF THE MULCH LAYER SHALL BE 3 INCHES.

BIORETENTION AREA PLANTING

1. LAYOUT PLANTS IN THE DESIRED PATTERN KEEPING THEM IN CONTAINERS UNTIL PLANTING.

2. DIG HOLE APPROXIMATELY TWICE THE WIDTH OF THE CONTAINER AND DEEP ENOUGH FOR THE CROWN OF THE PLANT TO BE LEVEL WITH GRADE AFTER PLANTING. TAMP LIGHTLY AROUND ROOTS TO ELIMINATE AIR VOIDS.

3. PLACE 3" OF MULCH, EVENLY SPREAD, OVER PLANTED AREA TAKING CARE NOT TO BURY THE CROWN OF THE NEW PLANTS.

4. LABEL PLANT GROUPS TO HELP IDENTIFY WEEDS DURING MAINTENANCE OF THE VEGETATED AREA.

5. WATER IMMEDIATELY AFTER PLANTING. CONTINUE TO WATER UNTIL PLANTS ARE ESTABLISHED. PLANTS NEED APPROXIMATELY 1" OF WATER PER WEEK. MONITOR RAINFALL AND SUPPLEMENT WITH MANUAL WATERING AS NEEDED. ONCE ESTABLISHED, THE BIORETENTION AREA WILL NORMALLY NOT REQUIRE MANUAL WATERING.

6. GENERALLY, PLANTING SHOULD BE CONDUCTED IN EARLY SPRING OR FALL, HOWEVER PLANTING MAY OCCUR ANYTIME DURING THE GROWING SEASON AS LONG AS THE PLANTS ARE PROVIDED SUFFICIENT WATERING.

BIORETENTION AREA MAINTENANCE

1. REMOVE WEEDS (BY HAND) FOR THE FIRST TWO GROWING SEASONS OR UNTIL VEGETATION IS WELL ESTABLISHED. CONTINUE TO REMOVE ISOLATED WEED PATCHES AS NEEDED.

2. LEAVE STEMS AND SEED HEADS THROUGH WINTER AS A FOOD SOURCE FOR BIRDS AND COVER FOR WILDLIFE.

3. CUT BACK PLANTS IN SPRING TIME AFTER NEW GROWTH REACHES 4–6". REMOVE DEAD PLANT MATERIAL AND COMPOST IF DESIRED.

4. BIORETENTION AREA SHOULD BE INSPECTED FREQUENTLY UNTIL PLANTS ARE ESTABLISHED. PLANTS THAT DO NOT SURVIVE SHOULD BE REPLACED.

5. BIORETENTION AREA SHOULD BE RE–MULCHED ANNUALLY.

STONE DRIVEWAY CONSTRUCTION:

FOR CRUSHED STONE DRIVEWAY CONSTRUCTION, THE CRUSHED STONE USED MUST BE 3/4" TO 1–1/2" DIAMETER, WASHED, ANGULAR CRUSHED STONE INSTALLED TO A MINIMUM DEPTH OF 3 INCHES.

EROSION CONTROL PROGRAM

PRIOR TO START OF CONSTRUCTION, SILT SOCK, OR APPROVED EQUAL AND ALL OTHER SPECIFIED EROSION CONTROL FENCES SHALL BE IN PLACE.

CRITICAL AREAS SUCH AS WETLAND AREAS, SLOPES AND STREAMS SHALL BE PROTECTED AS PER PLAN AND, IN THE PRESENCE OF WETLANDS, THE CONDITIONS OF ANY ISSUED PERMIT SHALL BE ADHERED TO.

THE CONTRACTOR SHALL BE REQUIRED TO ESTABLISH AND FULLY MAINTAIN ALL REQUIRED EROSION AND SEDIMENTATION CONTROLS.

SEDIMENTATION CONTROL PROGRAM

ALL EXPOSED SLOPES, INCLUDING STOCKPILES OF MATERIAL, SHALL RECEIVE TEMPORARY SEDIMENTATION AND EROSION CONTROLS. THIS WILL INCLUDE LOAMING AND SEEDING, MULCHING, HAYMATS, ETC., TO STABILIZE THE AREA.

ANY DRAINAGE STRUCTURES SHALL BE SURROUNDED BY HAYBALES TO PREVENT INFILTRATION OF SEDIMENTS.

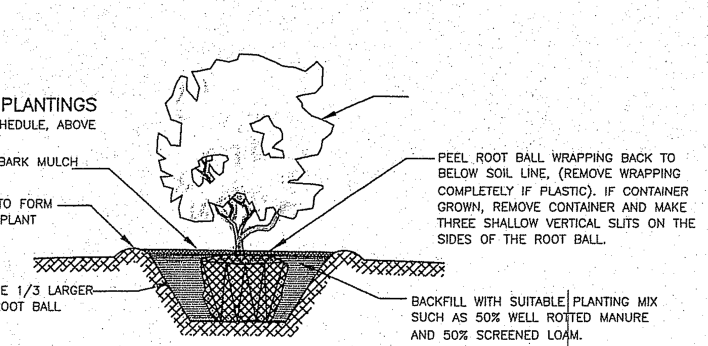
SHOULD SEDIMENTS ENTER A CRITICAL AREA (WETLAND, BUFFER ZONE, ABUTTING PROPERTY) THE CONTRACTOR SHALL IMMEDIATELY CLEAN AND RESTORE THE AFFECTED AREA.

SLOPE PROTECTION TO BE INSTALLED ON ANY DISTURBED AREAS SUBJECT TO EROSION.

EXTREME CARE SHALL BE TAKEN TO PREVENT SEDIMENT OR UNSUITABLE MATERIAL FROM ENTERING WETLANDS, ROADWAYS AND/OR DRAINAGE STRUCTURES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTING AND MAINTANING ALL EROSION CONTROL MEASURES PROMPTLY AFTER EACH RAINFALL AND TO ENSURE THAT RUNOFF FLOW PATTERNS ARE NOT INHIBITED DURING RAINFALL AND/OR SNOWMELT.

ACCUMULATED SEDIMENTS SHALL BE REMOVED AS DIRECTED BY THE OWNER, ENGINEER, BIOLOGIST, APPLICANT, LOCAL OR STATE OFFICIALS.

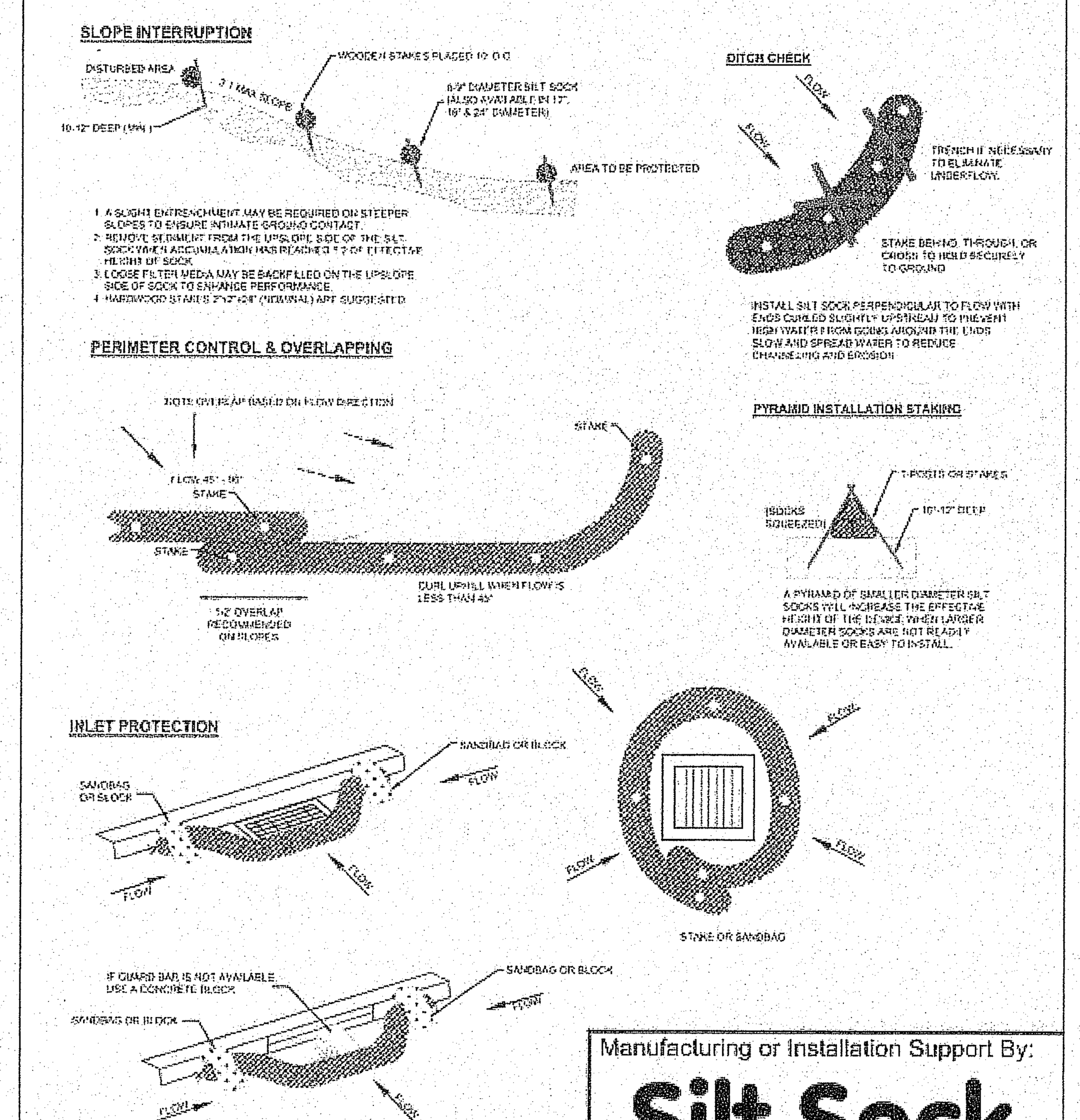


SHRUB PLANTING DETAIL
Not To Scale

PLANTING NOTES:

1. THE SHRUBS ARE TO BE PLANTED IN MASSES OF 3min. AND TO BE SPACED 4'+ ON CENTER. UNLESS OTHERWISE NOTED.
2. THE PLANTS ARE TO BE PLANTED AS SPECIFIED IN THE PLANTING DETAIL. ADEQUATE WATER IS TO BE SUPPLIED IN ORDER TO ESTABLISH HEALTHY AND VIGOROUS PLANTS.
3. ANY PLANT WHICH IS UNHEALTHY OR DEAD AFTER ONE YEAR SHALL BE REPLANTED.

SILT SOCK INSTALLATION GUIDELINES



1. THESE GUIDELINES ARE BASED UPON MANUFACTURERS RECOMMENDATIONS. PROJECT SPECIFICATIONS MAY SUPERSEDE THESE GUIDELINES.
2. REFER TO REGULATORY AUTHORITY OR PROJECT ENGINEER FOR DETAILED INSTALLATION PROCEDURES.
3. WOOD FILLER MATERIAL IS PROPERLY SIZED, BIODEGRADABLE, WEED, SEED & DISEASE FREE AND ENVIRONMENTALLY SOUND.

Manufacturing or Installation Support By:
Silt Sock
EROSION CONTROL PRODUCTS
info@siltsock.net
608-438-7625

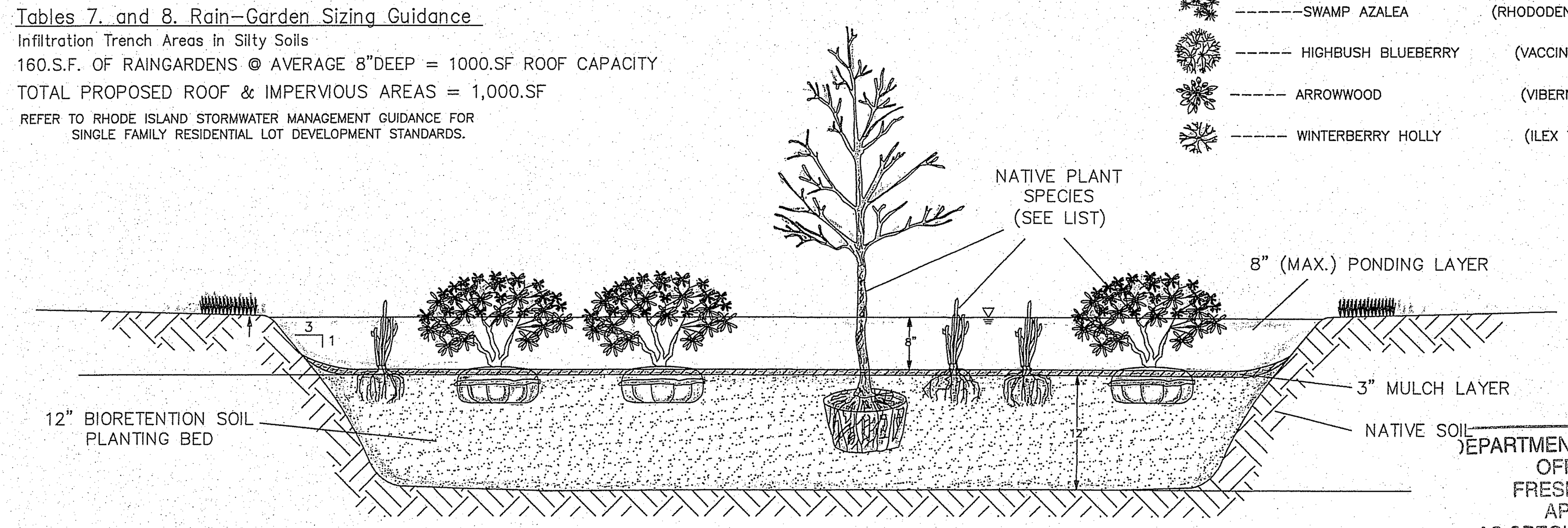
STORMWATER MANAGMENT FOR SINGLE FAMILY RESIDENTIAL LOT DEVELOPEMENT RAINGARDEN SIZING

DESIGN CALCULATIONS

Tables 7. and 8. Rain–Garden Sizing Guidance
Infiltration Trench Areas in Silty Soils
160.S.F. OF RAINGARDENS @ AVERAGE 8"DEEP = 1000.SF ROOF CAPACITY
TOTAL PROPOSED ROOF & IMPERVIOUS AREAS = 1,000.SF
REFER TO RHODE ISLAND STORMWATER MANAGEMENT GUIDANCE FOR SINGLE FAMILY RESIDENTIAL LOT DEVELOPMENT STANDARDS.

PLANT SCHEDULE

SYMBOL	COMMON NAME	BOTANICAL NAME
	CAROLINA ROSE	(ROSA CAROLINA)
	SWAMP AZALEA	(RHODODENDRON VISCOSUM)
	HIGHBUSH BLUEBERRY	(VACCINIUM CORYBOSUM)
	ARROWWOOD	(VIBERNUM DENTANUM)
	WINTERBERRY HOLLY	(ILEX VERTICILLATA)



"RAINGARDEN"
BIORETENTION AREA – TYPICAL CROSS–SECTION
NOT TO SCALE

RI Environmental Management
DEC 2 2 2021
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 3 1 2021 FILE # 21-0333
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

R.I.D.E.M. DETAILS & NOTES FOR NEW DWELLING & SEPTIC DESIGN

ON PARCEL OF LAND BELONGING TO
EARLE S. & BRENNA E. SHARPE
LAND SITUATED ON PARKWOOD DRIVE & ALSO KNOWN AS
ASSESSOR'S PLAT 31–2 LOT 93
SITUATED IN THE TOWN OF
SOUTH KINGSTOWN, RHODE ISLAND
DATE: JULY. 16, 2021; SCALE:1"=20'
REVISED: DEC. 20, 2021; PLANTING SCHEDULE

PREPARED BY:
EASTERBROOKS & ASSOCIATES, LLC
2497 BOSTON NECK ROAD SAUNDERSTOWN, R.I. 02874 TEL.401.667–7770

Environmental Management
DEC 2 2 2021
Office of Water Resources