

OWTS NOTES

- ALL DESIGN, CONSTRUCTION, AND MAINTENANCE REQUIREMENTS, WHETHER NOTED HEREON OR NOT, SHALL BE IN CONFORMANCE WITH RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ONSITE WASTEWATER TREATMENT SYSTEMS, JULY, 2012 AND ALL AMENDMENTS, BY THE RHODE ISLAND DEPT. OF ENVIRONMENTAL MANAGEMENT.
- ALL TREES, STUMPS, AND BRUSH SHALL BE REMOVED WITHIN 10 FEET OF THE SYSTEM.
- THERE ARE NO KNOWN PRIVATE WELLS OR DRAINS EXIST, OR PROPOSED LOCATED WITHIN 200 FEET OF THE OWTS EXCEPT AS SHOWN AND NO KNOWN PUBLIC WELLS (EXIST. & PROP.) LOCATED WITHIN 500 FEET OF THE PROPOSED ISDS.
- THERE ARE NO KNOWN SUBSURFACE DRAINS, EXISTING OR PROPOSED, WITHIN 50 FEET OF THE PROPOSED OWTS.
- NO VEHICULAR TRAFFIC IS ALLOWED OVER THE LEACHFIELD.

DESIGN CRITERIA

- PEAK FLOW = 3 BEDROOMS @ 115 GALLONS PER DAY / BEDROOM = 345 GPD
- CATEGORY 1 SYSTEM SOIL CAT B USE 1.9 GAL/SF/DAY LOADING RATE
- SIZE A BOTTOMLESS SAND FILTER:
 - 345 GPD / 1.9 GAL/SF/DAY = 182 S.F.
 - USE A 10' X 19' BOTTOMLESS SAND FILTER

INVERT SCHEDULE

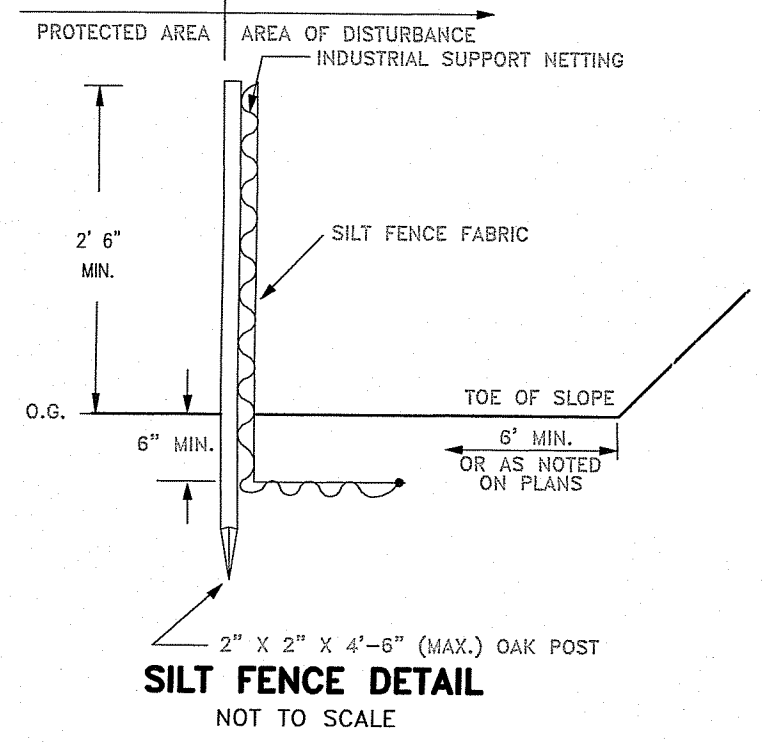
OUT OF DWELLING	EL. 407.00
DESIGN G.W.T. BSF/TANK	EL. 408.50
SEPTIC TANK IN	EL. 406.90
TOP OF SEPTIC TANK	EL. 407.73
R.S.V. TO PUMP CHAMBER	EL. 407.98
AX20 FILTER POD INLET	EL. 410.50
TOP OF ADVANTEX FILTER	EL. 411.00
PUMP CHAMBER INLET	EL. 407.70
PUMP CHAMBER OUT	EL. 408.20
BOTTOM OF SAND	EL. 411.50
BOTTOM OF PEA GRAVEL	EL. 413.50
FLUSHING VALVE	EL. 414.00
BSF MANIFOLD	EL. 414.00
TOP OF PEA GRAVEL	EL. 414.20

PUMP CHAMBER

BOTTOM OF CHAMBER	EL. 405.00
REDUNDANT OFF	EL. 406.28
PUMP ON	EL. 407.00
HIGH WATER ALARM	EL. 407.50

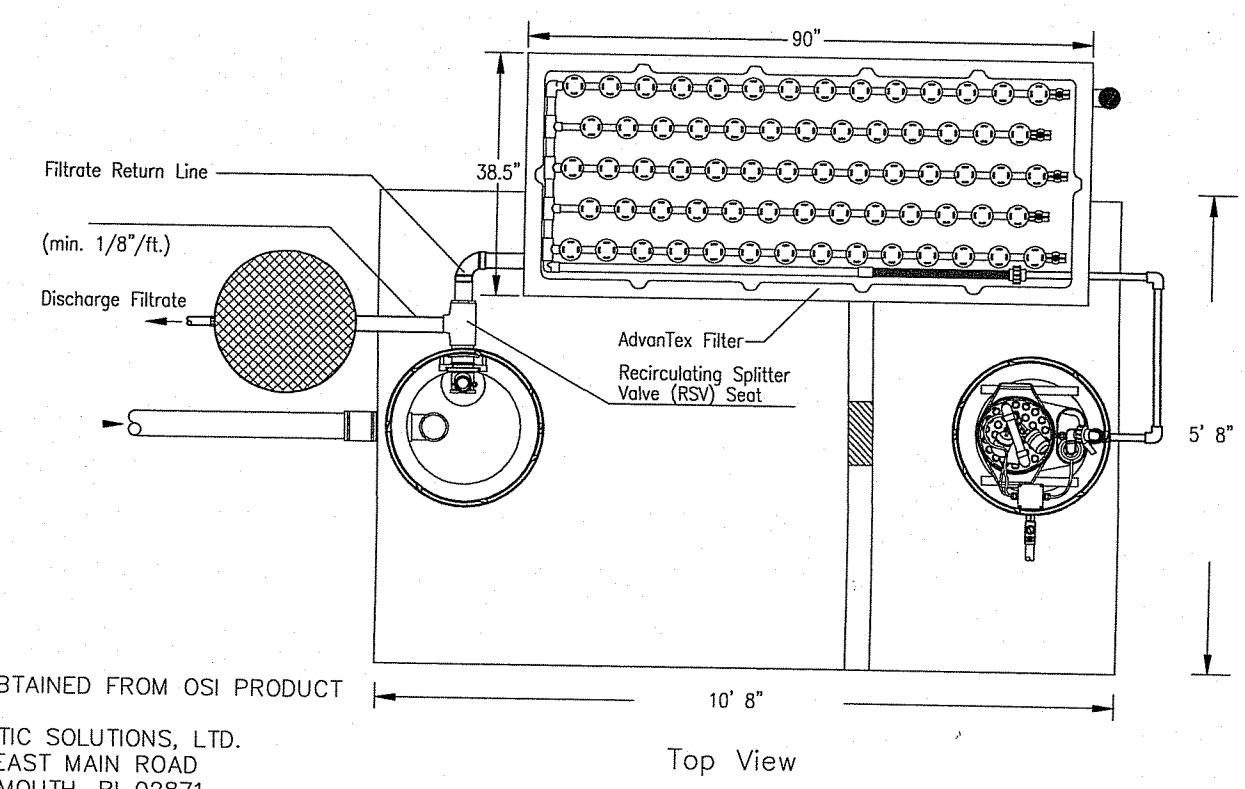
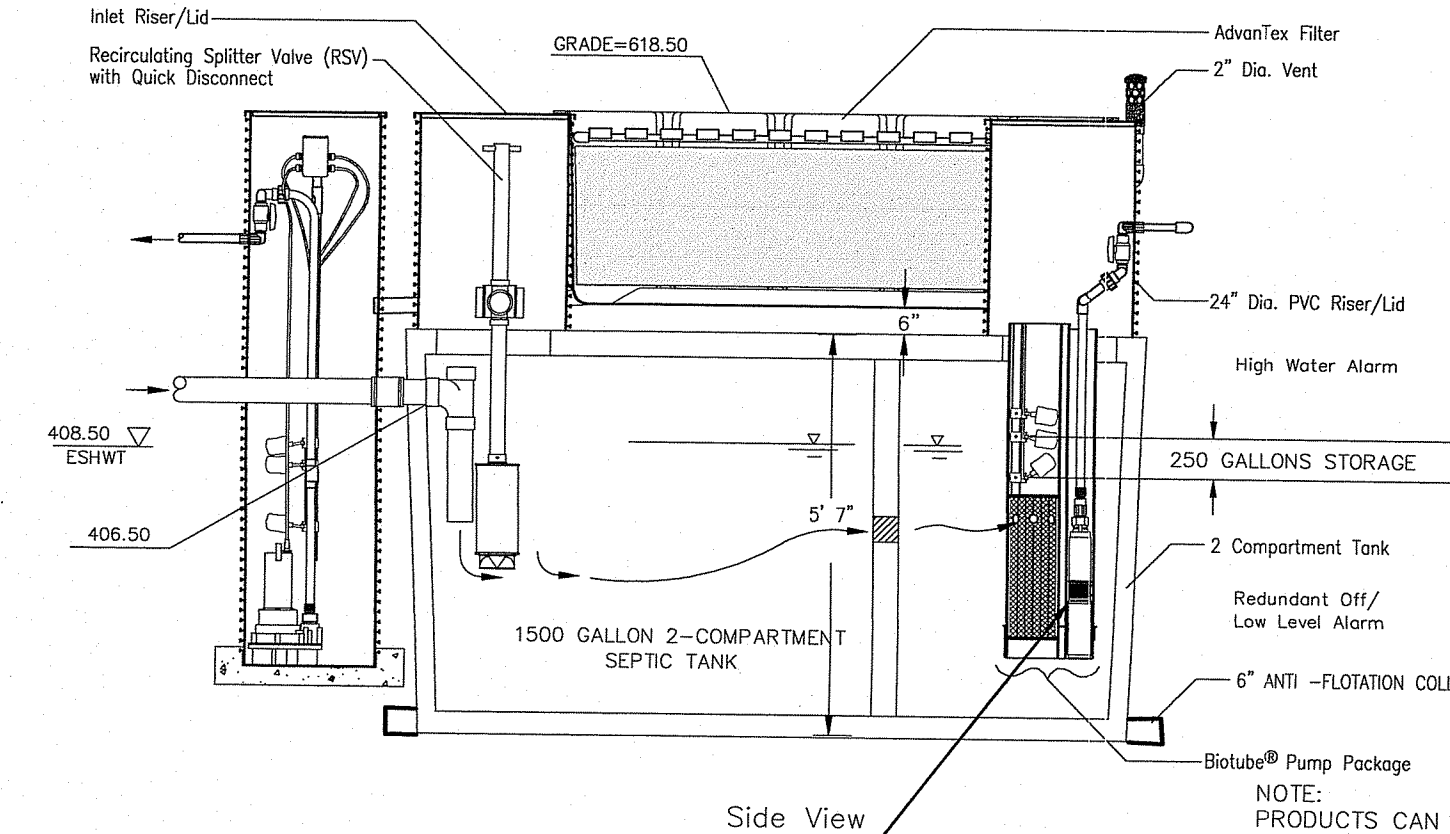
ADVANTEX AX20 SYSTEM FLOAT LEVELS

HIGH WATER ALARM	EL. 406.81
TOP OF RSV CASE	EL. 407.95
NORMAL LOW LIQUID LEVEL	EL. 407.48
LOW WATER ALARM/REDUNDANT OFF	EL. 405.69



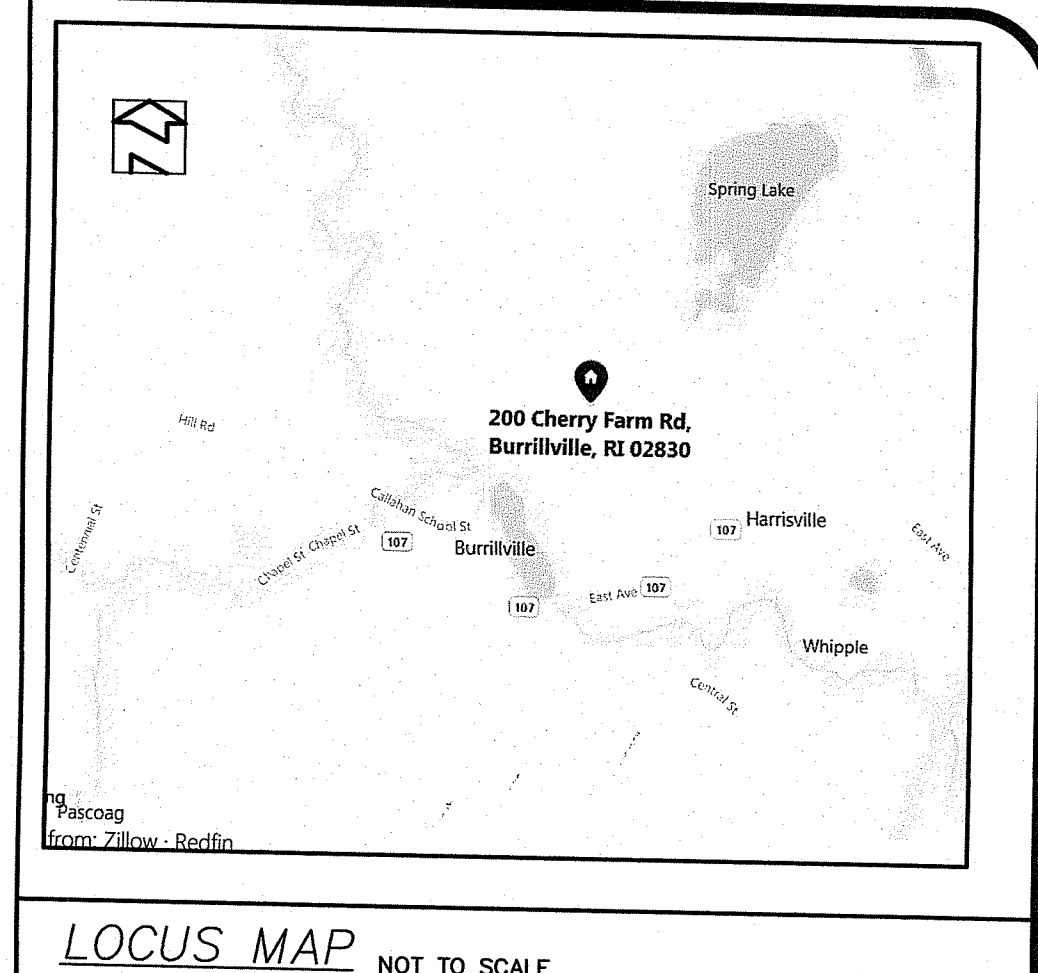
SCHEDULE OF PIPE SIZES

BUILDING TO SEPTIC TANK	4" SCH 35 OR GREATER
SEPTIC TANK TO TEXTILE FILTER	1" CLASS 200
TEXTILE FILTER MANIFOLD	1" CLASS 200
TEXTILE FILTER LATERALS	3/4" CLASS 200
TEXTILE FILTER TO PUMP BASIN	2" SCH 35 OR GREATER
PUMP BASIN TO DRAINFIELD	2" CLASS 200
DRAINFIELD MANIFOLD	1 1/4" CLASS 200
DRAINFIELD LATERALS	3/4" CLASS 200



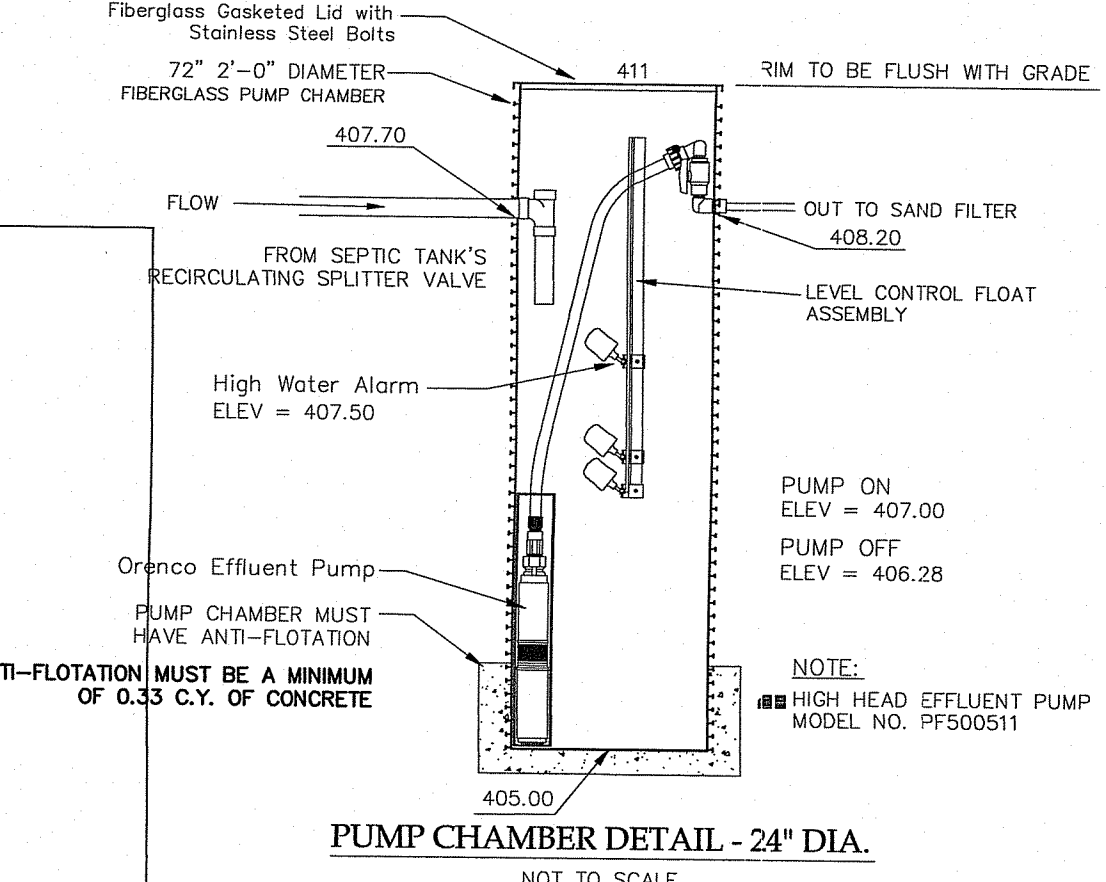
ADVANTEX TREATMENT SYSTEM AX20 SERIES - MODE 3b

NOTE: PRODUCTS CAN BE OBTAINED FROM OSI PRODUCT DISTRIBUTOR:
ATLANTIC SOLUTIONS, LTD.
2417 EAST MAIN ROAD
PORTSMOUTH, RI 02871
PHONE (401) 293-0176
FAX (401) 293-0178



BOTTOMLESS SAND FILTER (BSF) NOTES

- THE PROPOSED BOTTOMLESS SAND FILTER (BSF) SHALL BE STAKED OUT AND PROTECTED PRIOR TO ANY SITE PREPARATION ACTIVITIES. OVER DIGGING THE SAND FILTER SHOULD BE AVOIDED; MINIMAL BACKFILLING ON BOTTOM AND SIDES PROVIDES A MORE STABLE ENCLOSURE.
- SOIL, VEGETATION AND DEAD OR DECAYING ORGANIC LITTER SHALL BE REMOVED FROM THE AREA PLANNED FOR THE BSF INSTALLATION. THREE (3) INCHES OF THE NATIVE SOIL SHALL BE SCARIFIED AND MIXED WITH 3 INCHES OF SAND MEDIA. PERIMETER STRIPPING AND EXCAVATION OF SOIL BENEATH THE NATIVE SOIL/FILTER SAND INTERFACE IS PROHIBITED.
- A PERIMETER SUPPORT FRAME OF PLYWOOD AND 2x4 CONSTRUCTION IS USED TO HOLD THE LINER IN PLACE DURING INSTALLATION. TREATED WOOD IS NOT NECESSARY DURING CONSTRUCTION OF THE SAND FILTER. IT IS IMPORTANT THAT SAND BE PLACED DURING THE EXCAVATED SOIL AND THE SUPPORT FRAME. ALL NAILS OR STAPLES USED MUST HAVE THEIR SHARP ENDS POINTED AWAY FROM THE LINER.
- A PERMANENT TOP FRAME STRUCTURE (SUCH AS DECAY RESISTANT LANDSCAPE TIMBERS) MUST BE PROVIDED ON ANY PORTION OF A BSF THAT IS INSTALLED ABOVE GRADE. BELOW GRADE USE OF TIMBERS IS PROHIBITED TO PREVENT SOIL SLUMPING AFTER TIMBERS HAVE ROTTEN.
- MAINTAIN 5 FOOT LEVEL PERIMETER AROUND BSF.
- THE 30 MIL PVC LINER IS UNFOLDED FROM THE CENTER OF THE EXCAVATION AND GRADED OVER THE TOP EDGES OF THE PERIMETER SUPPORT FRAME. CARE MUST BE TAKEN TO ENSURE THAT THE LINER IS IN FULL CONTACT WITH SIDES AND THAT NO BRIDGING OCCURS.
- FILTER SAND IS PLACED AND COMPACTED WHILE IT IS DAMP. IF THE SAND IS NOT DAMP, IT WILL NOT COMPACT WELL AND SETTLEMENT MAY CAUSE DISLOCATION AND BREAKAGE OF THE DISTRIBUTION LATERALS. THE SAND SURFACE MUST BE FLAT. SEE THE APPROPRIATE SAND GRADATION GRAPH FOR SPECIFICATIONS.
- THREE INCHES OF 3/8 INCH PEA STONE IS PLACED ON TOP OF THE COMPACTED SAND, DISTURBING THE SAND AS LITTLE AS POSSIBLE. SEE PEA STONE SPECS. AFTER THE LATERALS ARE INSTALLED AND PRESSURE TEST IS PERFORMED, PLACE PEA STONE OVER THE DISTRIBUTION LATERALS SHIELDS. NO FILTER FABRIC OF ANY KIND SHOULD BE PLACED BETWEEN THE SAND AND OVERLYING PEA STONE.
- THE LINER'S PVC BOOT PERMITS A WATER TIGHT PENETRATION OF THE LINER FOR THE TRANSPORT PIPE DELIVERING EFFLUENT TO THE SAND FILTER'S DISTRIBUTION SYSTEM. IN THE EVENT THE GROUND WATER REACHES THAT ELEVATION, THE BOOT WILL PREVENT INFILTRATION. THE MANUFACTURER'S GUIDE MUST BE FOLLOWED EXACTLY WHEN INSTALLING THE PVC BOOTS.
- THE 1/8 INCH DIAMETER ORIFICES SHOULD BE DRILLED WITH A DRILL PRESS OR DRILL GUIDE USING A NEW 1/8 INCH DRILL BIT AND SHOULD NOT HAVE ANY VISIBLE BURRS. ALL PVC JOINTS SHOULD BE GLUED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.
- ORIFICE SHIELDS ARE PLACED ON THE LATERALS TO PREVENT THE PEA GRAVEL FROM BLOCKING THE FLOW OUT OF THE ORIFICES AND TO OBTAIN BETTER EFFLUENT DISTRIBUTION OVER THE SAND. COLD WEATHER ORIFICE SHIELDS SHOULD BE USED IN COLD WEATHER CLIMATES TO PREVENT THE FREEZING OF THE LATERALS.
- AS PART OF THE COLD WEATHER REQUIREMENT, TWO (2) OF THE ORIFICES IN EACH DISTRIBUTION LATERAL MUST BE DRILLED POINTING UPWARD AND THE REST ARE DRILLED POINTING DOWNWARD. UP-POINTING ORIFICES SHALL BE LOCATED AT POINTS APPROXIMATELY 1/3 AND 2/3 ALONG THE LENGTH OF EACH DISTRIBUTION LATERAL. INSTALL COLD WEATHER ORIFICE SHIELDS AT ALL ORIFICES UPWARD AND DOWNWARD POINTING.
- THE ELECTRICAL SPICE BOX MUST BE UL OR CSA LISTED AND CORROSION-PROOF WITH THE PROPER NUMBER OF CORD GRIPS INSTALLED. HEAT SHRINK AND OR WATER TIGHT WIRE NUTS MUST BE USED ON THE INDIVIDUAL WIRE SPICES. WITHIN THE BOX TO ENSURE THE INTEGRITY OF THE SPICES IF THE BOX BECOMES FLOODED SUFFICIENT LENGTH OF WIRES MUST BE PROVIDED IN THE BOX TO ALLOW FOR FUTURE REPAIRS.
- THE CONDUIT SEAL MUST BE UL OR CSA LISTED AND MUST BE INSTALLED USING PROPER CONDUIT SEALANT AS RECOMMENDED BY THE MANUFACTURER. SILICONE IS NOT ALLOWED. THE SEAL PREVENTS WATER FROM DRAINING INTO THE SPICE BOX AND GASES FROM ESCAPING THE TANK.
- THE ELECTRICAL CONDUIT MUST BE UL OR CSA LISTED. THERE ARE ELECTRICAL CODE RULES RESTRICTING THE NUMBER OF BENDS BETWEEN PANELS AND JUNCTION BOXES. REFER TO NEC 1993 SECTION 347-14.
- INSTALL INSULATION ON ALL LIDS TO PREVENT FREEZING.
- THE CLASS 200 TRANSPORT PIPE SHALL BE ALLOWED TO DRAIN BACK COMPLETELY TO PUMP CHAMBER. MAXIMIZE PITCH OF TRANSPORT PIPE TO ACHIEVE DRAINBACK AND PROVIDE FURTHER FREEZE PROTECTION AS CONDITIONS WARRANT.
- IN AREAS WHERE THE BSF MAY BE ACCESSIBLE TO CHILDREN, THE PEA STONE SURFACE MAY BE COVERED WITH A BROAD WEAVE FILTER FABRIC GREATER THAN 2" IN THICKNESS, TO DISCOURAGE PHYSICAL DISTURBANCE TO OR CONTACT WITH THE TREATMENT ZONE.
- PROVIDE A PERMANENT 10' MINIMUM BUFFER BETWEEN BSF AND ANY TREES OR SHRUBS.

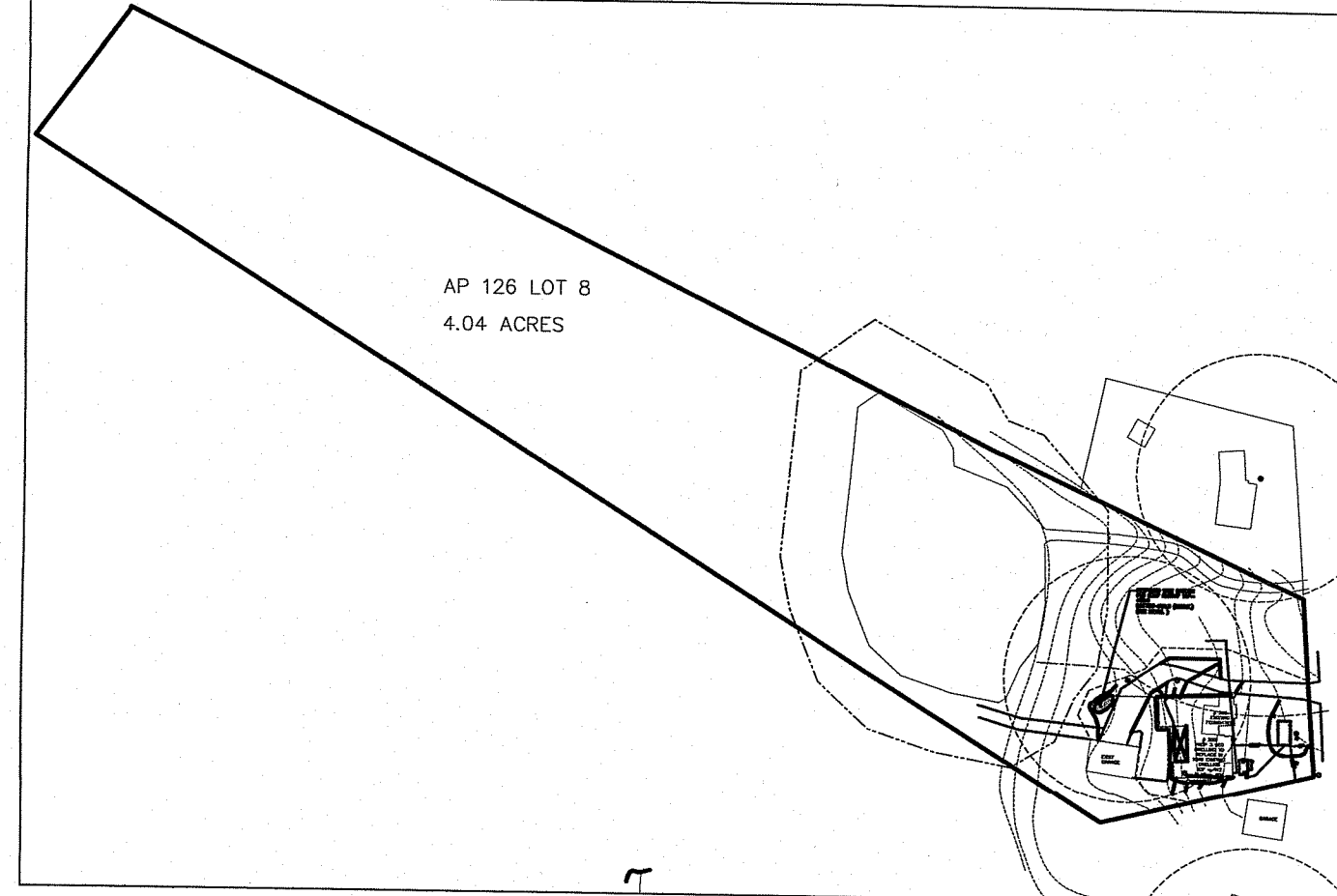


SOIL EROSION AND SEDIMENT CONTROL NOTES:

- SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.
- ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDED OR PROTECTED.
- PLANTABLE SOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS, AND SHALL CONFORM WITH RHODE ISLAND'S STANDARD SPECIFICATIONS, AS AMENDED.
- THE DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING:
TYPE: CREEPING RED FESCUE 75 LBS/ACRE, KENTUCKY BLUE GRASS 5, COLONIAL BENT GRASS 5, PERENNIAL RUE GRASS 5
- EARLY SPRING OR LATE SUMMER SEEDING IS RECOMMENDED. LIME AND FERTILIZER AS REQUIRED BY SOIL TESTING TO COMPLY WITH SPECIFIC NUTRIENT REQUIREMENTS. THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS BEFORE MIXING AND PLANTING WITH APPROPRIATE INOCULUM FOR EACH VARIETY. THE RECOMMENDED SEEDING DATES ARE APRIL 1ST THROUGH JUNE 15TH AND AUGUST 15TH THROUGH SEPTEMBER 30TH.
- TEMPORARY TREATMENTS SHALL CONSIST OF NORTH AMERICAN GREEN SISU EROSION CONTROL BLANKET OR EQUAL. THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
- ALL TEMPORARY EROSION PROTECTION SHALL REMAIN IN PLACE UNTIL AS ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
- ALL FILL SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH THE RHODE ISLAND STANDARD SPECIFICATION'S FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR ANY WATERWAYS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 2:1 AND SHALL BE TEMPORARILY SEEDED OR STABILIZED.
- THE CONSTRUCTION SUPERINTENDENT SHALL HAVE THE OVERALL RESPONSIBILITY FOR PLAN IMPLEMENTATION AND FOR SEEING THAT THE APPROPRIATE WORKERS ARE AWARE OF THE PROVISIONS OF THE PLAN. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP 3/8" WASHED PEA STONE WITHIN A PERIOD OF SIX (6) MONTHS AND SHALL DO SO AT NO ADDITIONAL EXPENSE.
- MAXIMUM GRADED SLOPE TO BE 3:1 UNLESS NOTED OTHERWISE ON THE PLANS.
- REFERENCE THE "RHODE ISLAND EROSION AND SEDIMENTATION CONTROL HANDBOOK" PREPARED BY USDA SOIL CONSERVATION SERVICE AS A GUIDE.

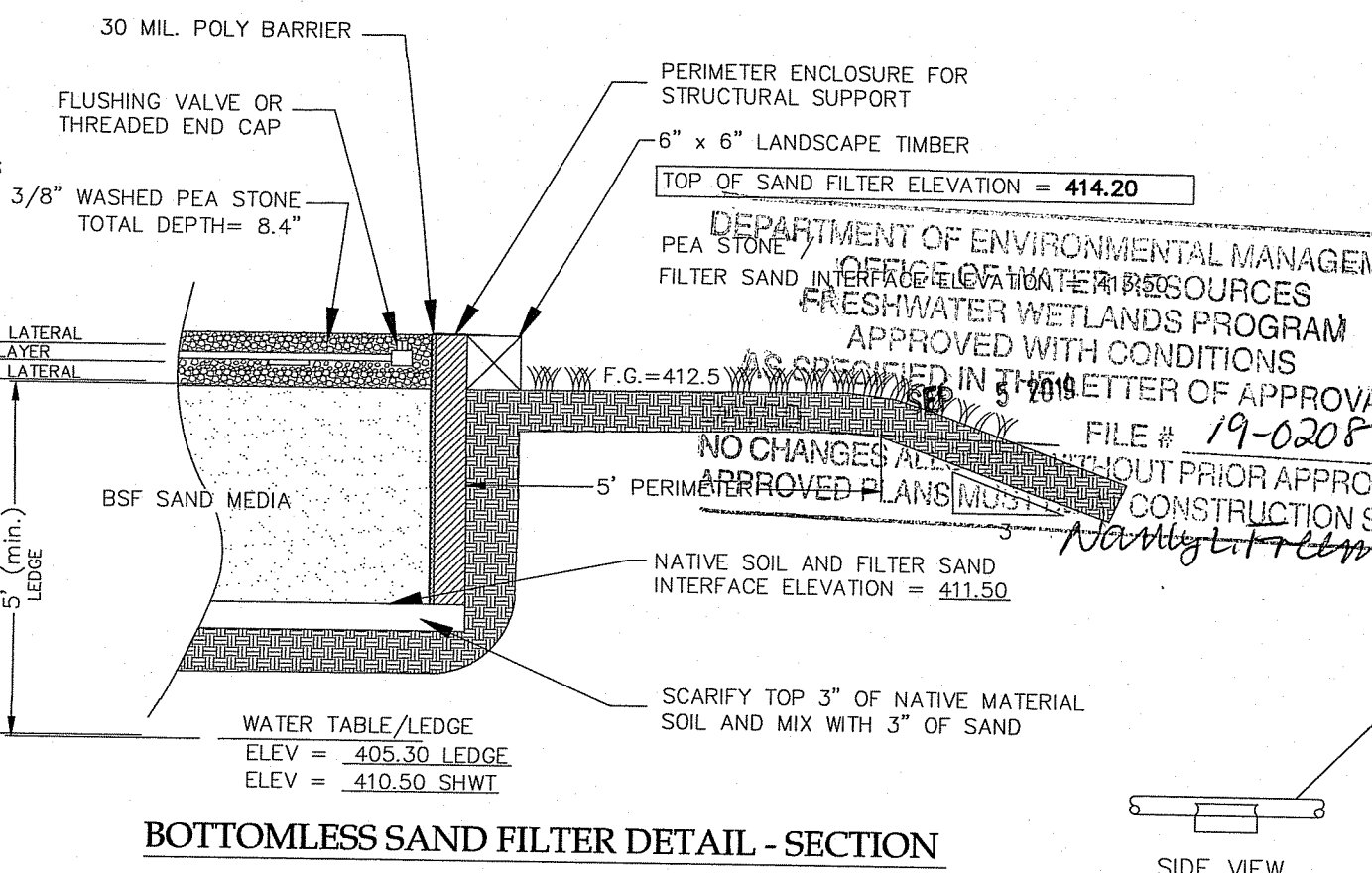
BSF SAND MEDIA SPECIFICATIONS
All media within the enclosure and below the cover stone shall have an effective size (D10) of 0.3 mm (1/64") and uniformity coefficient (U) of 2.0 to 4.0. The maximum allowable percentage of fines passing through a Number 200 sieve shall be one percent (1%). Other than the gradation and fine content specified above, the sand media shall meet the other ASTM C-33 sand specifications.

B.S.F. Demand Dosing
45 ORIFICE @ 0.24 GAL PER ORIFICE = 10.8 GALLONS
26 LF 2" TRANSPORT LINE VOLUME = 6.46 GALLONS
TOTAL DOSE = 17.26 GALLONS PER DOSE
PUMP BASIN DRAINDOWN:
17.26 GAL PER DOSE / 2 GAL PER INCH = 8.63" = 0.72'
DESIGN CHECK:
345 GAL PER DAY / 17.26 GAL PER DOSE = 20 DOSE PER DAY

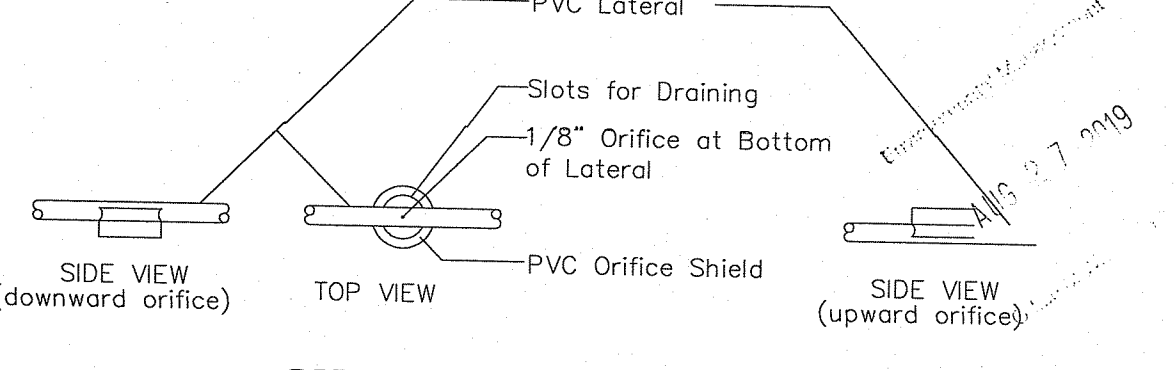


GENERAL NOTES

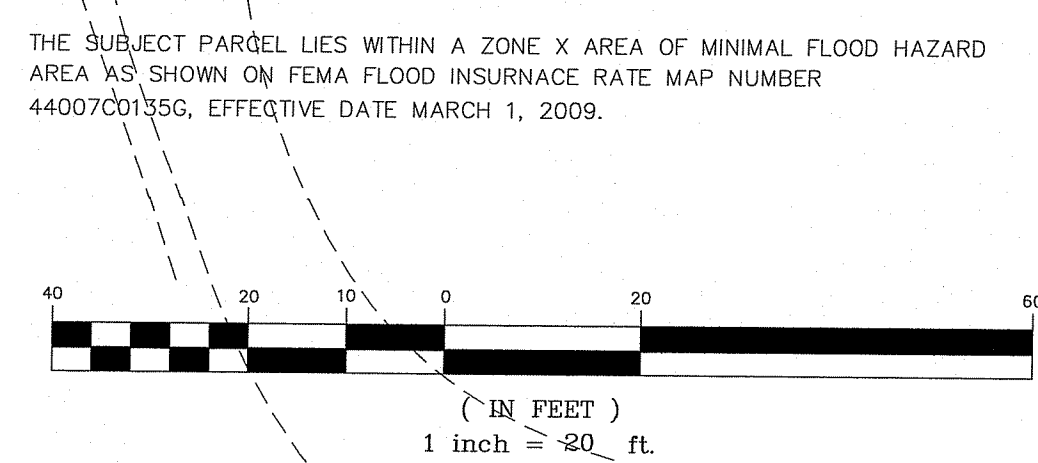
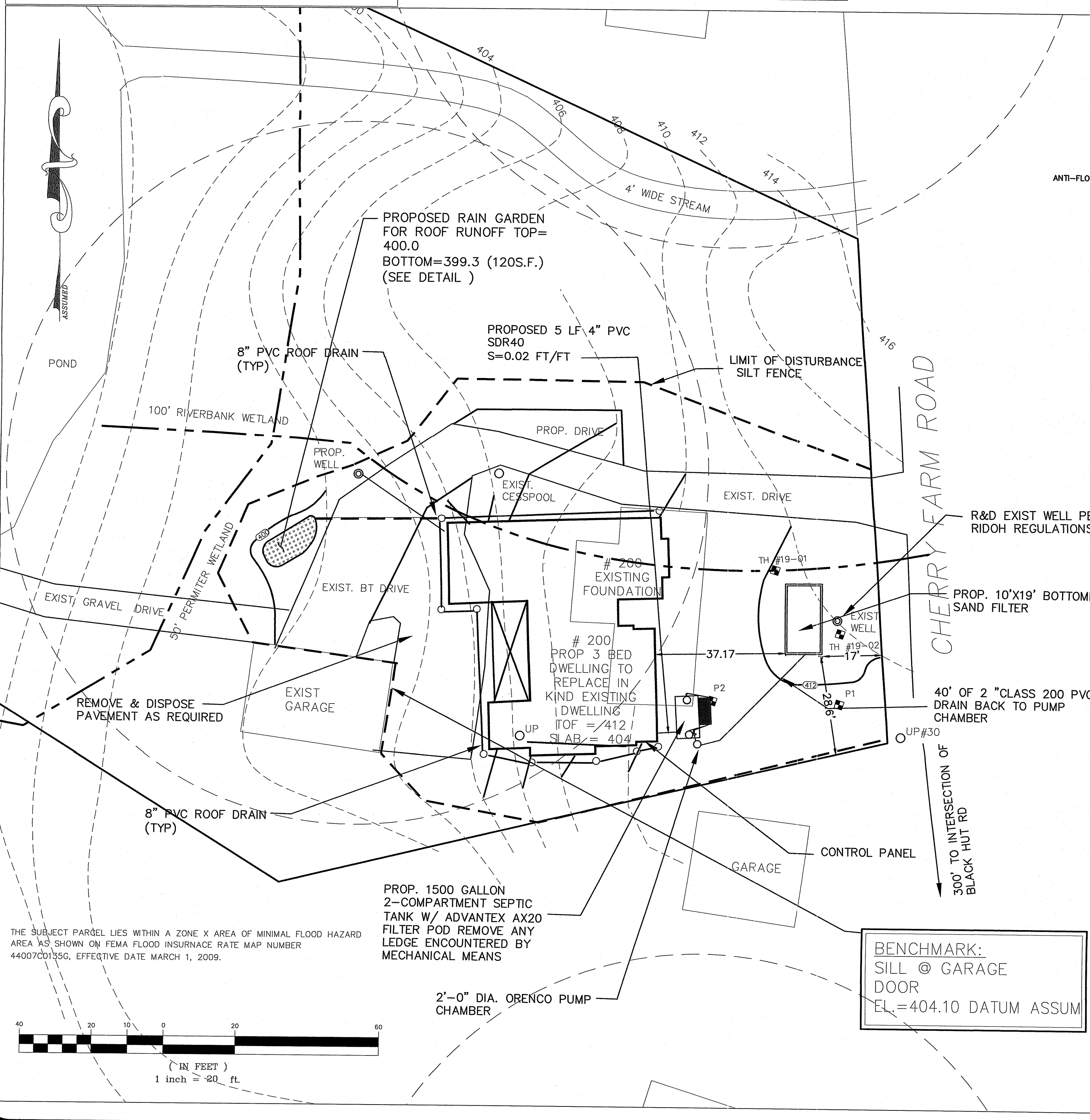
- THE OWTS INSTALLER SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES DEPICTED ON THIS PLAN.
- THE INSTALLER SHALL NOTIFY THIS DESIGNER 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- THE DESIGNER SHALL BE CONTACTED IF ANY DISCREPANCIES ARE FOUND IN THE FIELD.
- THE INSTALLER SHALL CONTACT THE DESIGNER AT LEAST 24 HOURS IN ADVANCE FOR BOTTOM AND COVER INSPECTIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR DEWATERING DURING EXCAVATION OF ALL COMPONENTS OF THE OWTS.



BOTTOMLESS SAND FILTER DETAIL - SECTION

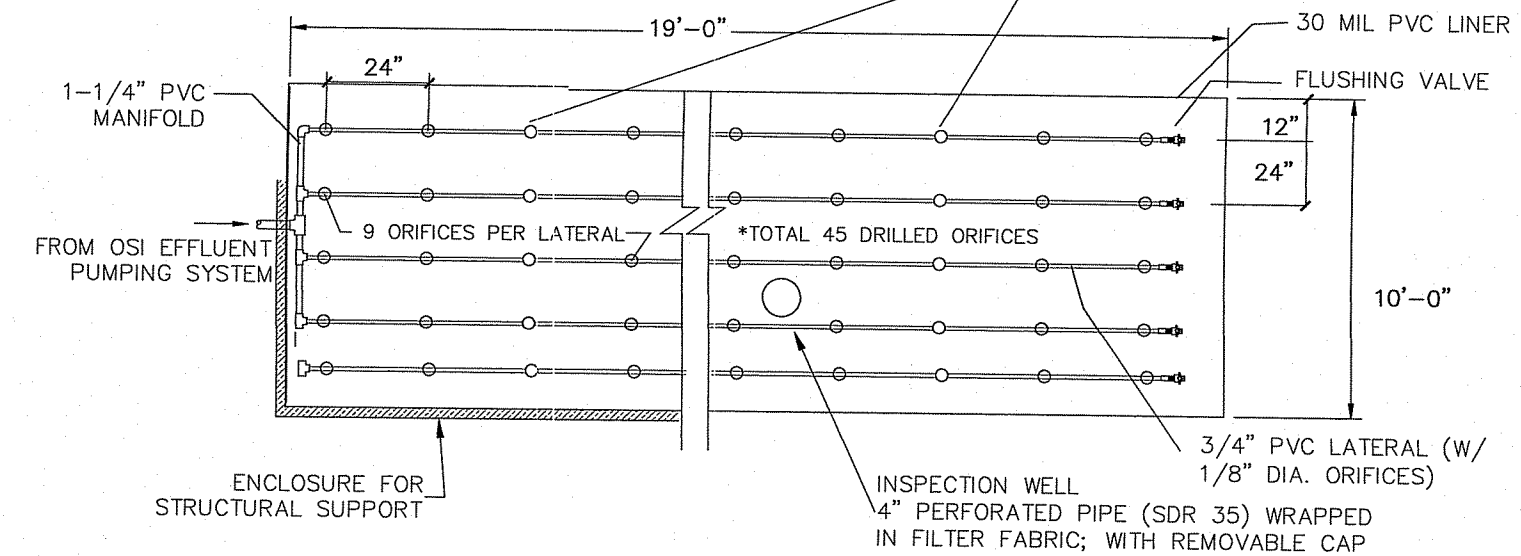


COLD WEATHER ORIFICE DETAIL



BENCHMARK:
SILL @ GARAGE DOOR
EL. = 404.10 DATUM ASSUM

BOTTOMLESS SAND FILTER - PLAN VIEW



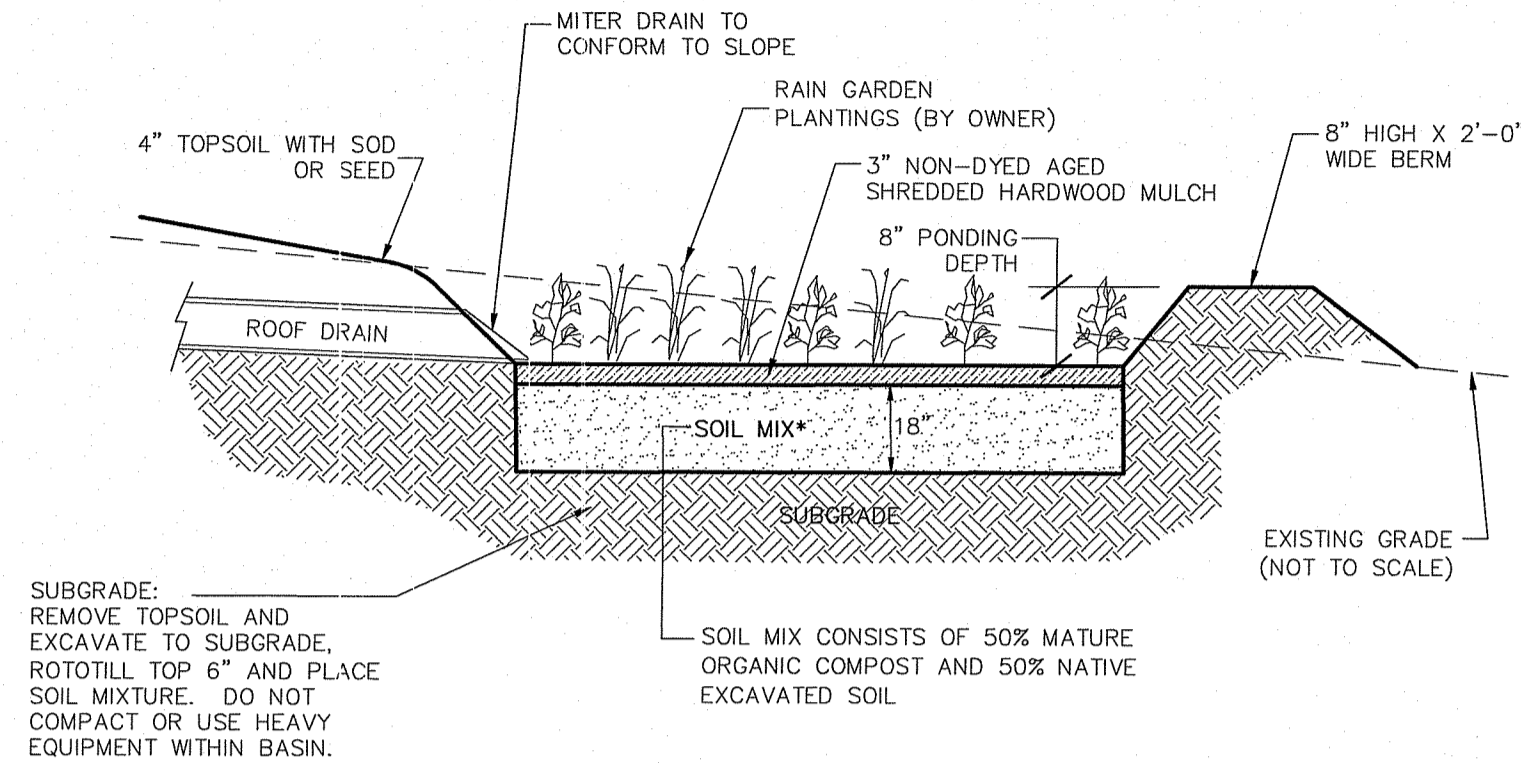
OWTS SITE PLAN & DETAILS
OWTS DESIGN
A.P. 126 LOT 8
200 CHERRY FARM ROAD BURRILLVILLE, RI
PREPARED FOR:
NATHAN PERRY
75 ROOSEVELT AVE PASCOAG, RI 02859
ADVANCED CIVIL DESIGN, INC.
CIVIL ENGINEERS
88 PEEPTOAD ROAD
SCITUATE, RI 02857

NICHOLAS J. PIAMPANO		
No. 6512		
REGISTERED PROFESSIONAL ENGINEER (CIVIL)		
NO.	DATE	DESCRIPTION
1	8/24/19	per RIDFM
DATE: JUNE, 2019		
SCALE: AS NOTED		
DESIGN/CHECK BY: D.P.J./N.J.P.		
SHEET NO.		

Rain Garden Plantings:

LATIN NAME	COMMON NAME	SIZE	SPACING
GRASSES / PERENNIALS			
FESTUCA OVINE GLAUCA	BLUE FESCUE	1 GAL	18" O.C.
PANICUM VIRGATUM	SWITCHGRASS	1 GAL	18" O.C.
PENNISETUM ALOPUROIDES	FOUNTAIN GRASS	1 GAL	18" O.C.
RUDEBECKIA HIRTA	BLACK EYED SUSAN	1 GAL	18" O.C.
SHRUBS			
CEPHALANTHUS OCCIDENTALIS	COMMON BUTTONBUSH		
COMPTONIA PEREGRINA	SWEET FERN		
LEDUM GROENLANDICUM	LABRADOR TEA		
PHOTINIA MELANOCARPA	BLACK CHOKEBERRY		

* FINAL PLANTINGS TO BE CHOSEN AND INSTALLED BY OWNER OR OWNER REPRESENTATIVE. REFERENCE THE RHODE ISLAND COASTAL PLANT GUIDE AT www.uri.edu/cels/ceoc/coastalPlants/CoastalPlantGuide.



SUBGRADE:
REMOVE TOPSOIL AND EXCAVATE TO SUBGRADE. ROTOTILL TOP 6" AND PLACE SOIL MIXTURE. DO NOT COMPACT OR USE HEAVY EQUIPMENT WITHIN BASIN.

SOIL MIX CONSISTS OF 50% MATURE ORGANIC COMPOST AND 50% NATIVE EXCAVATED SOIL.

RAIN GARDEN SECTION DETAIL

ROOF RAIN GARDEN SIZING CALCULATIONS

- Impervious Roof & Driveway Area = 5,700 s.f.
- Soil type: Sand
- Design Coefficient of Permeability = 3.5 ft/day
- Intensity = 1-inch
- Water Quality Volume Needed: 5,700 s.f. x 0.083 (1") = 473 c.f.
- Proposed Rain Garden Depth = 8-inches or 0.7-feet

Surface Area at Bottom of the Garden:

$$A(f) = (WQv)(dt) / [(k)(hf + dt)(f)]$$

- Where:
- A(f) = surface area of the filter bed (ft²)
 - dt = Filter bed depth (ft) = 1.5 ft
 - K = coefficient of permeability of the filter media (use 3.5 ft/day)
 - h(f) = Average height of water above the dry swale (ft) (use 0.7 ft)
 - tf = design filter bed drain time (assume 1 day for design purposes)

$$A(f) = (473)(1.5) / [(3.5)(0.7 + 1.0)(1.0)]$$

$$A(f) = 119.24 \text{ s.f. use } 120 \text{ s.f.}$$

NOT TO SCALE

STORMWATER TREATMENT PRACTICE				
IMPERVIOUS SURFACE	AREA	METHOD	AREA REQ'D	AREA PROVIDED
ROOF TOP & DRIVEWAY	5,700 S.F.	RAIN GARDEN	119 S.F.	120 S.F.
		* PER SOIL EVALS FSL		

Maintenance Notes:

1. THE RAIN GARDEN SHALL BE INSPECTED FOLLOWING AT LEAST THE FIRST TWO 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 ACCUMULATION EXCEEDS ONE INCH, OR WHEN WATER PONDS ON THE SURFACE OF THE RAIN GARDEN FOR MORE THAN 48 HOURS. THE TOP FEW INCHES OF MATERIAL SHALL BE REMOVED AND SHALL BE REPLACED WITH FRESH SOIL MIXTURE AND MULCH.
3. PRUNING OR REPLACEMENT OF VEGETATION SHALL OCCUR WHEN DEAD OR DYING VEGETATION IS OBSERVED.
4. GULLIES SHALL BE REPAIRED WHEN THEY OCCUR.
5. FERTILIZER OR PESTICIDES SHALL NOT BE APPLIED TO PLANTS WITHIN RAIN GARDENS.
6. SWALES SHALL BE INSPECTED ANNUALLY AND SHOULD BE INSPECTED AFTER LARGE STORM EVENTS.
7. ERODED SIDE SLOPES AND CHANNEL BOTTOMS SHALL BE STABILIZED AS NECESSARY.

SOIL EROSION AND SEDIMENT CONTROL NOTES:

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2. ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDED OR PROTECTED.
3. PLANTABLE SOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LIMBS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS, AND SHALL CONFORM WITH RHODE ISLAND'S STANDARD SPECIFICATIONS, AS AMENDED.
4. THE DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING:

TYPE	LBS/ACRE
CREeping RED FESCUE	75
KENTUCKY BLUE GRASS	15
COLONIAL BENT GRASS	5
PERENNIAL RUE GRASS	5
5. EARLY SPRING OR LATE SUMMER SEEDING IS RECOMMENDED. LIME AND FERTILIZER AS REQUIRED BY SOIL TESTING TO COMPLY WITH OR UPGRADE EXISTING CONDITIONS. THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS BEFORE MIXING AND PLANTING WITH APPROPRIATE INOCULUM FOR EACH VARIETY. THE RECOMMENDED SEEDING DATES ARE APRIL 1ST THROUGH JUNE 15TH AND AUGUST 15TH THROUGH SEPTEMBER 30TH.
6. TEMPORARY TREATMENTS SHALL CONSIST OF NORTH AMERICAN GREEN S150 EROSION CONTROL BLANKET OR EQUAL. THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
7. ALL TEMPORARY EROSION PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
8. ALL FILL SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH THE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
9. STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR ANY WATERWAYS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 2:1 AND SHALL BE TEMPORARILY SEEDED OR STABILIZED.
10. THE CONSTRUCTION SUPERINTENDENT SHALL HAVE THE OVERALL RESPONSIBILITY FOR PLAN IMPLEMENTATION AND FOR SEEING THAT THE APPROPRIATE WORKERS ARE AWARE OF THE PROVISIONS OF THE PLAN. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN A PERIOD OF SIX (6) MONTHS AND SHALL DO SO AT NO ADDITIONAL EXPENSE.
11. MAXIMUM GRADED SLOPE TO BE 3:1 UNLESS NOTED OTHERWISE ON THE PLANS.
12. REFERENCE THE "RHODE ISLAND EROSION AND SEDIMENTATION CONTROL HANDBOOK" PREPARED BY USDA SOIL CONSERVATION SERVICE AS A GUIDE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED SEP 5 2018 FILE # 19-0208
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

Environmental Management
MIG 2.7 5/10/18

OWTS SITE PLAN & DETAILS OWTS DESIGN A.P. 126 LOT 8 200 CHERRY FARM ROAD BURRILLVILLE, RI			NO. DATE DESCRIPTION 1 18/24/19 per RIDFW
PREPARED FOR: NATHAN PERRY 75 ROOSEVELT AVE PASCOAG, RI 02859			DATE: JUNE, 2019 SCALE: AS NOTED DESIGN/CHECK BY: D.P.J./N.J.P.
ADVANCED CIVIL DESIGN, INC. CIVIL ENGINEERS 88 PEEPTOAD ROAD SCITUATE, RI 02857			SHEET NO. 2 2 OF 2