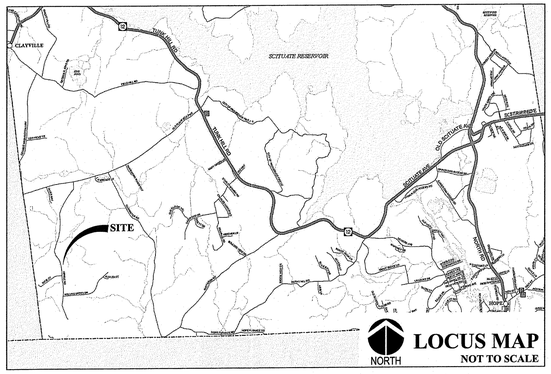
SITE PLANS
FOR A PROPOSED
3-BEDROOM SINGLE FAMILY HOME
AP 50, LOT 35
NIPMUC ROAD
SCITUATE, RI

ZONING DISTRICT: RR-120



GENERAL NOTES:

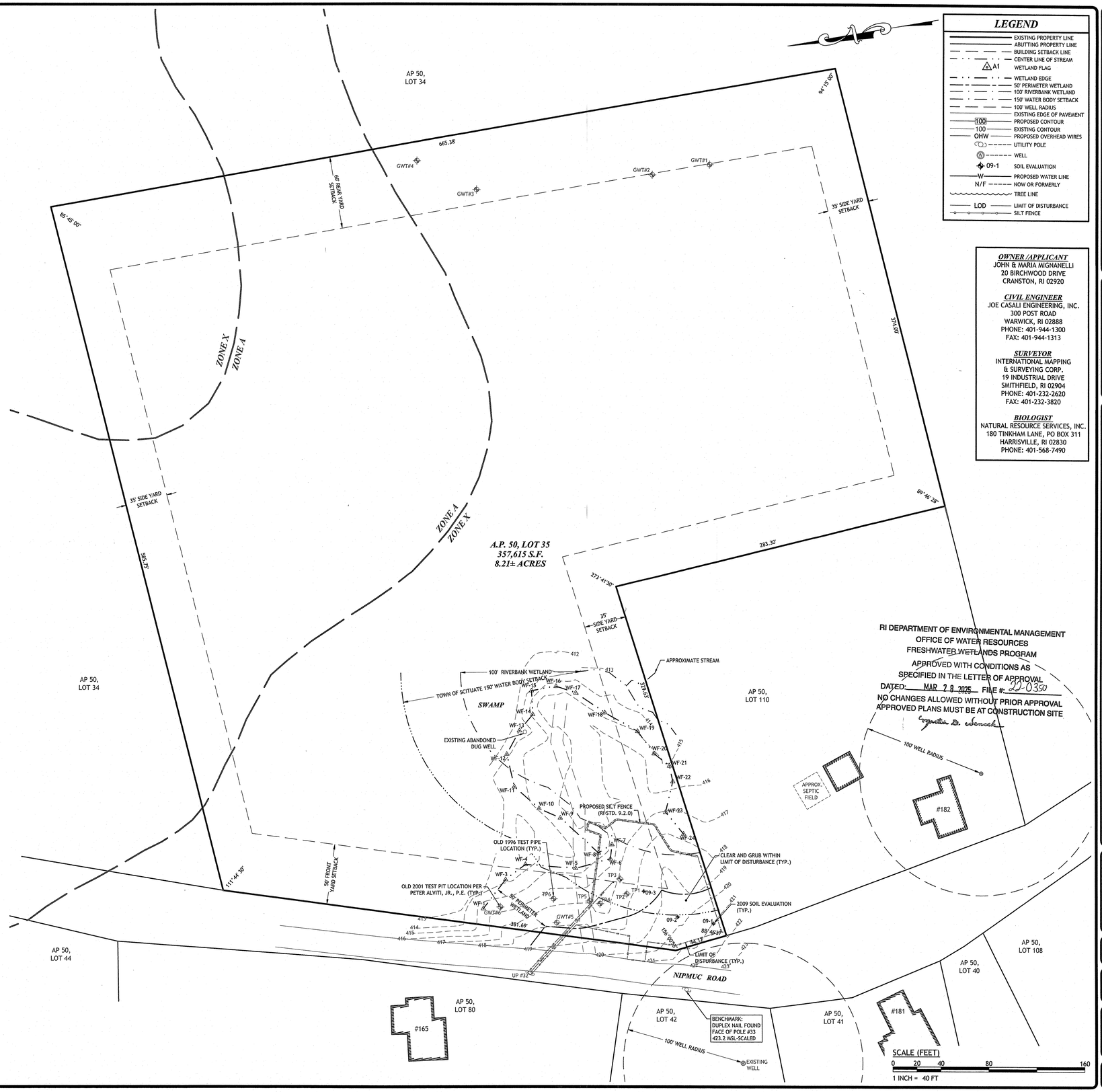
1. THE OWNER/APPLICANT OF THIS PROJECT IS JOHN & MARIA MIGNANELLI, 20 BIRCHWOOD DRIVE, CRANSTON, RHODE ISLAND 02920.
2. CLASS I PROPERTY LINE SURVEY OF NORTH WESTERN & SOUTH WESTERN PROPERTY LINES AND CLASS III TOPOGRAPHIC SURVEY COMPLETED BY INTERNATIONAL MAPPING & SURVEYING CORP., 19 INDUSTRIAL DRIVE, SMITHFIELD, RI IN APRIL 2010.
3. THE PERIMETER PROPERTY LINE SHOWN FOR AP 50, LOT 35 FROM PLAN ENTITLED, "PROPERTY LINE RETRACEMENT SURVEY EXISTING CONDITIONS" FOR JOHN A. & MARIA G. MIGNANELLI BY BOYER AND ASSOCIATES.
4. EXISTING UTILITIES HAVE BEEN PLOTTED FROM BEST AVAILABLE INFORMATION. LOCATION OF ALL UNDERGROUND STRUCTURES ARE APPROXIMATE ONLY.
5. PORTIONS OF THE SUBJECT PARCEL ARE LOCATED WITHIN ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AND ZONE "A" (AREAS WITHIN THE 100-YEAR FLOOD PLAIN, ELEVATIONS NOT DETERMINED), AS SHOWN ON FLOOD INSURANCE RATE MAP FOR THE TOWN OF SCITUATE, MAP NO. 44007C0385G, EFFECTIVE DATE OF MARCH 2, 2009.
6. SOIL EVALUATIONS PERFORMED BY ECOSYSTEMS SOLUTIONS, INC. AND WITNESSED BY RIDEM ON DECEMBER 7, 2009.
7. WETLAND FEATURES HAVE BEEN FLAGGED BY NATURAL RESOURCE SERVICES, INC. ON APRIL 12, 2022 AND FIELD LOCATED BY JOE CASALI ENGINEERING, INC.
8. THE ENTIRE SITE IS LOCATED WITHIN THE SCITUATE RESERVOIR WATERSHED AREA.

RR-120 DISTRICT DEMINSIONAL REGULATIONS:

ZONING CRITERIA	REQUIRED
MINIMUM LOT SIZE	120,000 SF
MINIMUM LOT WIDTH	300 FT
MINIMUM FRONT YARD DEPTH	50 FT
MINIMUM SIDE YARD DEPTH	35 FT
MINIMUM REAR YARD DEPTH	60 FT
MAXIMUM BUILDING COVERAGE	15 %
MAXIMUM BUILDING HEIGHT	36 FT

SOIL EVALUATION DATA:

TEST HOLE	GROUND ELEV.	SHGWT ELEV.	LIMITING LAYER
09-1	421.00	419.00	NONE
09-2	419.71	417.71	NONE
09-3	418.30	417.30	NONE



LEGEND

- EXISTING PROPERTY LINE
- ABUTTING PROPERTY LINE
- BUILDING SETBACK LINE
- CENTER LINE OF STREAM
- A1 WETLAND FLAG
- WETLAND EDGE
- 50' PERIMETER WETLAND
- 100' RIVERBANK WETLAND
- 150' WATER BODY SETBACK
- 100' WELL RADIUS
- EXISTING EDGE OF PAVEMENT
- 100 PROPOSED CONTOUR
- 100 EXISTING CONTOUR
- OHW PROPOSED OVERHEAD WIRES
- UTILITY POLE
- W WELL
- 09-1 SOIL EVALUATION
- W PROPOSED WATER LINE
- N/F NOW OR FORMERLY
- TREE LINE
- LOD LIMIT OF DISTURBANCE
- SILT FENCE

OWNER /APPLICANT
JOHN & MARIA MIGNANELLI
20 BIRCHWOOD DRIVE
CRANSTON, RI 02920

CIVIL ENGINEER
JOE CASALI ENGINEERING, INC.
300 POST ROAD
WARWICK, RI 02888
PHONE: 401-944-1300
FAX: 401-944-1313

SURVEYOR
INTERNATIONAL MAPPING & SURVEYING CORP.
19 INDUSTRIAL DRIVE
SMITHFIELD, RI 02904
PHONE: 401-232-2620
FAX: 401-232-3820

BIOLOGIST
NATURAL RESOURCE SERVICES, INC.
180 TINKHAM LANE, PO BOX 311
HARRISVILLE, RI 02830
PHONE: 401-568-7490

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: MAR 2 8 2025 FILE #: 22-0350
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Cynthia D. Ellencak

RI Environmental Management
MAY 0 9 2024
Office of Water Resources

JCE
JOE CASALI ENGINEERING, INC.
CIVIL - SITE DEVELOPMENT - TRANSPORTATION
DRAINAGE - WETLANDS - ISDS - TRAFFIC - FLOODPLAIN
300 POST ROAD, WARWICK, RI 02888
(401)944-1300 (401)944-1313 FAX WWW.JOECASALI.COM

JOSEPH A. CASALI
No. 7250
REGISTERED PROFESSIONAL ENGINEER
CIVIL
5/8/2024

SITE IMPROVEMENT PLANS FOR A PROPOSED
SINGLE FAMILY HOME
NIPMUC ROAD
SCITUATE, RHODE ISLAND
AP 50, LOT 35

REVISIONS:

NO.	DATE.	DESCRIPTION
1	7/12/2019	RIDEM RTC
2	12/27/2019	RIDEM RTC
3	3/18/2020	RIDEM RTC
4	6/30/2022	RIDEM APP. TO ALTER FILLING
5	1/2/2024	RIDEM RTC
6	5/9/2024	RIDEM NOTICE

NOT FOR CONSTRUCTION UNLESS APPROVED BY RIDEM

DRAWN BY:	WMLJR
CHECKED BY:	JAC
DATE:	OCTOBER 2015
PROJECT NO:	03-35

EXISTING CONDITIONS PLAN

SHEET 1 OF 4

Q:\03-35-John Mig\ACAD\Mignanelli [2024 RIDEM Planset]\NOTICE.dwg May. 09, 2024 2:09pm

TEST HOLE RESULTS

DATE OF TEST 12/07/2009

TEST HOLE 09-1
SURFACE ELEV: 421.00
WATER TABLE 419.00 (24")
LEDGE AT NONE OBSERVED

TEST HOLE 09-2
SURFACE ELEV: 419.71
WATER TABLE 417.71 (24")
LEDGE AT NONE OBSERVED

TEST HOLE 09-3
SURFACE ELEV: 418.30
WATER TABLE 417.30 (12")
LEDGE AT NONE OBSERVED

PERCOLATION TEST

LOADING RATE= 2.3 GAL/SF/DAY
PER LIMITING SOIL LAYER CATEGORY 1

DESIGN DATA

3 BEDROOM DWELLING
115 GAL/BR/DAY= 345 GAL/DAY
345 GAL/DAY @ 2.3 GAL/SF/DAY= 150 SF
CATEGORY-1 TIME DOSED SYSTEM

SAND FILTER
8' X 20'= 160 SF

160 SF ≥ 150 SF ∴ OK

ACTUAL VOLUME PER DOSE:

90 ORIFICES (1 ZONE) DOSED AT 0.15 GAL/DOSE = 13.50 GAL.
PIPE FILL-UP VOLUME *(PER AUTOCALCS)* = 1.41 GAL.

TOTAL FLOW PER DOSE: **14.91 GAL.**

DESIGN CHECK:

345 GAL PER DAY / 13.50 GAL. PER DOSE = 25.55 TIMES PER DAY

24 PER DAY < **25.55** < 48 PER DAY ∴ OK

FLOAT SETTINGS:

14.91 GAL= 1.99 CUBIC FT
1.99 CUBIC FT/ 3.1415 CUBIC FT/ VERTICAL FT PUMP CHAMBER= 0.63 FT
OFF TO ON FLOAT= **0.63 FT SEPARATION**

SYSTEM ELEVATIONS

INV. OUT BLDG.	417.64
INV. IN SEPTIC TANK	417.25
INV. IN DOSING CHAMBER	418.70

ADVANTEX TREATMENT SYSTEM

FINISH GRADE OVER UNIT	421.50
HIGH WATER ALARM/ OVERIDE TIMER	417.15
LOW WATER ALARM/ REDUNDANT OFF	415.75
INV. RSV CAGE	418.75

PRIMARY DOSING CONTROLLED BY TIMER, FLOATS ARE FOR OVERRIDE PURPOSES ONLY

DISCHARGE PUMP BASIN

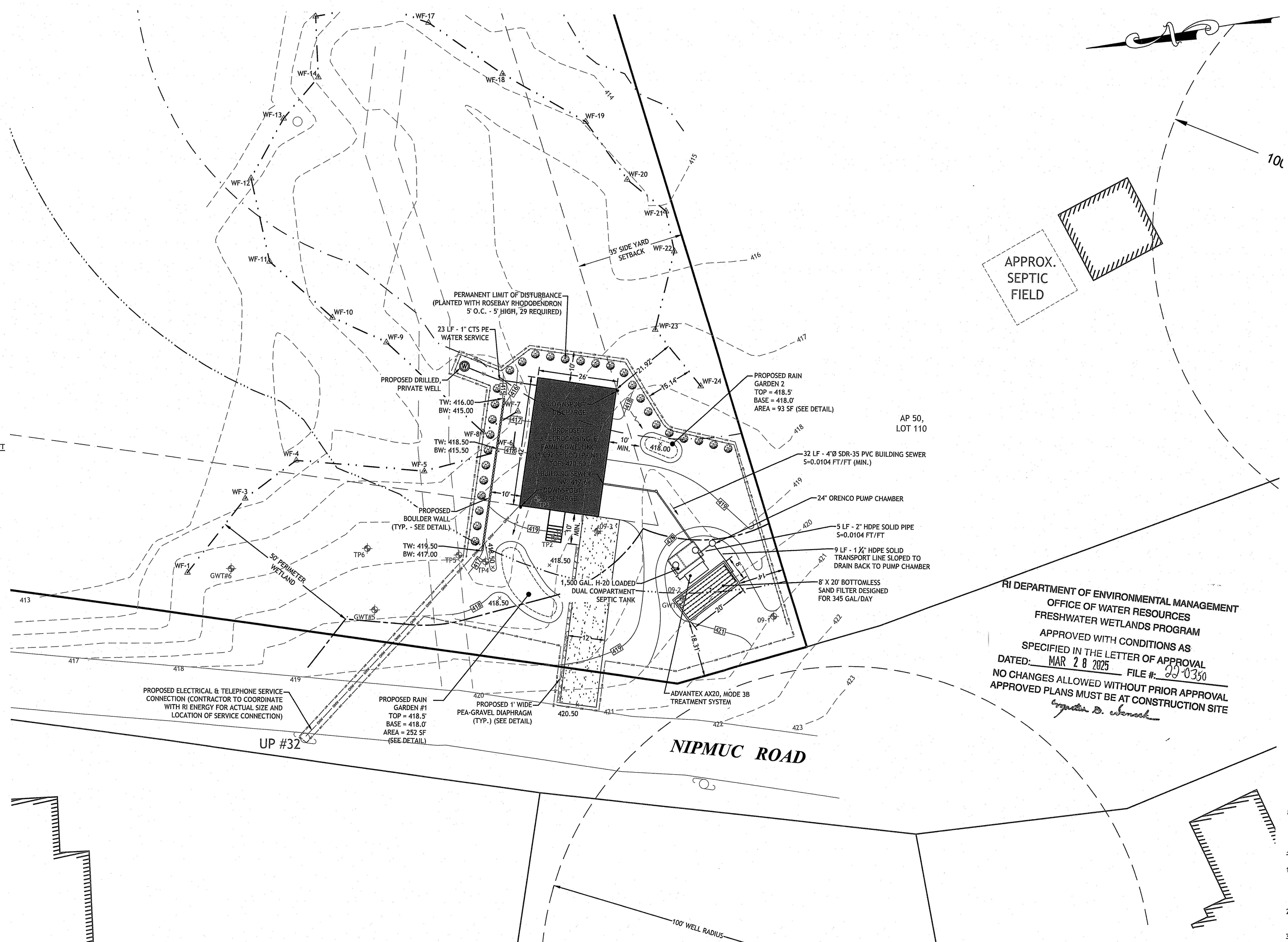
HIGH WATER ALARM	418.20
PUMP ON	417.13
PUMP OFF	416.50

BOTTOMLESS SAND FILTER

TOP OF FIELD MINIMUM	423.25
LATERAL OF BSF	422.75
PEA STONE/ SAND FILTER MEDIA INTERFACE	422.50
SOIL/ SAND INTERFACE	420.50
WATER TABLE	418.00

1-888-DIG-SAFE
PROTECT YOURSELF, GIVE THREE WORKING DAYS NOTICE

LOCATION OF EXISTING UTILITIES SHOWN, ARE FROM GATE LOCATION AND EXISTING DOCUMENTATION AND MAY NOT BE ACCURATE. EXACT LOCATION TO BE DONE BY THE APPROPRIATE UTILITY COMPANY OR MUNICIPALITY PRIOR TO ANY EXCAVATION
CALL DIGSAFE AT 1-888-DIG-SAFE (1-888-344-7233)



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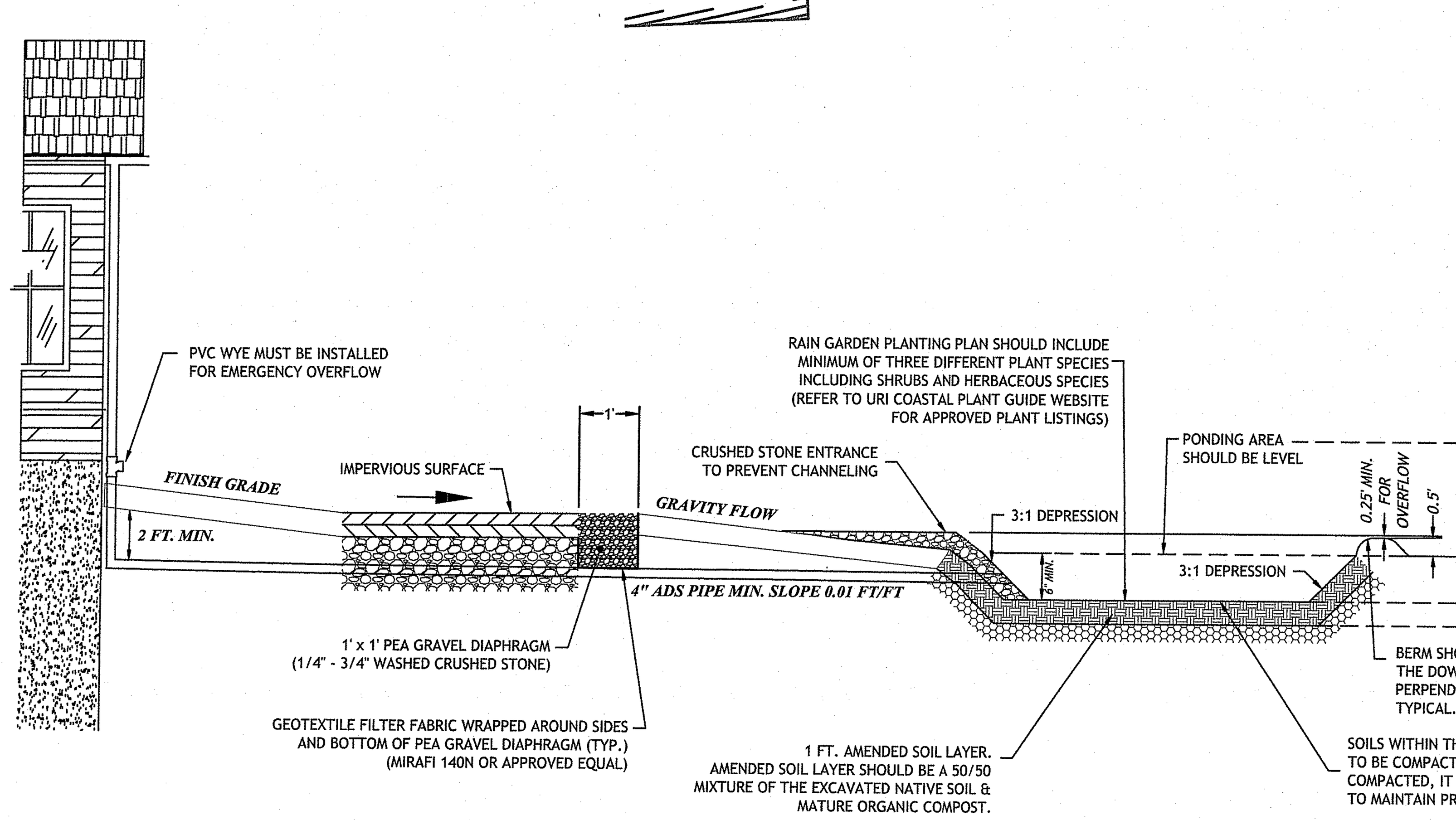
SCALE (FEET)
0 10 20 40 80
1 INCH =20 FT



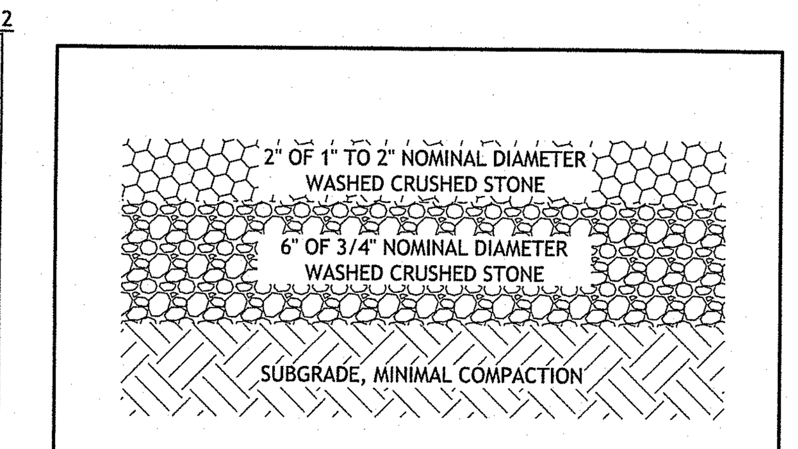
RAIN GARDEN DETAIL (ROOFTOP)
NOT TO SCALE

RAIN GARDEN SHOULD BE LOCATED:
IN AREAS W/ LESS THAN 12% SLOPE.
10 FT. MIN. FROM FOUNDATIONS.
15 FT. MIN. FROM ONSITE WASTEWATER TREATMENT SYSTEMS.
25 FT. MIN. FROM PRIVATE DRINKING WATER.

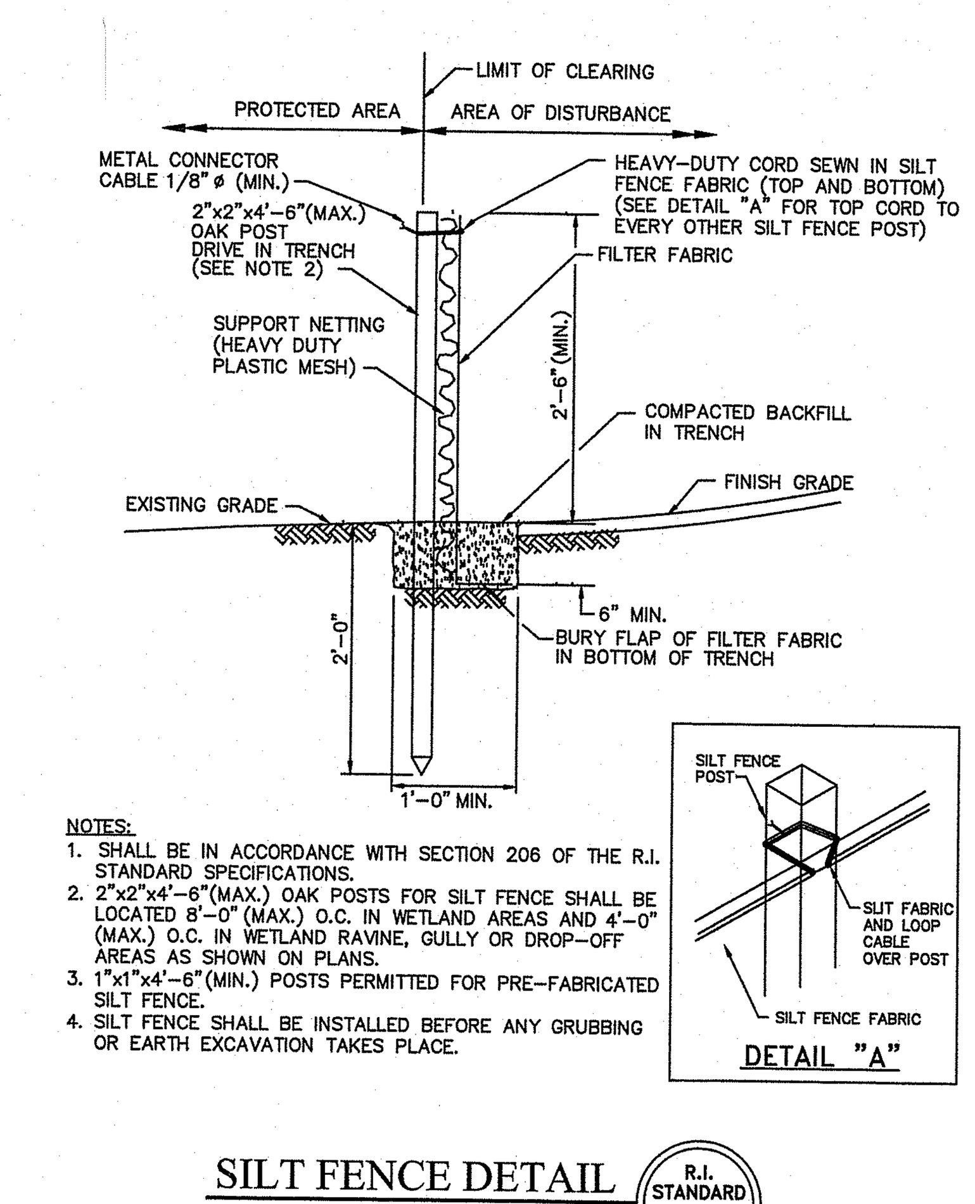
	RAIN GARDEN 1	RAIN GARDEN 2
AREA (SF)	252.00	93.00
TOP OF GARDEN	418.50	418.50
BOTTOM OF GARDEN	418.00	418.00
BOTTOM OF AMENDED SOIL	417.00	417.00
EXISTING SURFACE ELEVATION	417.50	418.00
▽	416.50	417.00

*GROUNDWATER ELEVATIONS ASSUME SHGWT OF 12" BELOW EXISTING SURFACE ELEVATION PER SOIL EVALUATIONS PERFORMED BY ECOSYSTEM SOLUTIONS, INC. WEST WARWICK, RI ON DECEMBER 7, 2009.

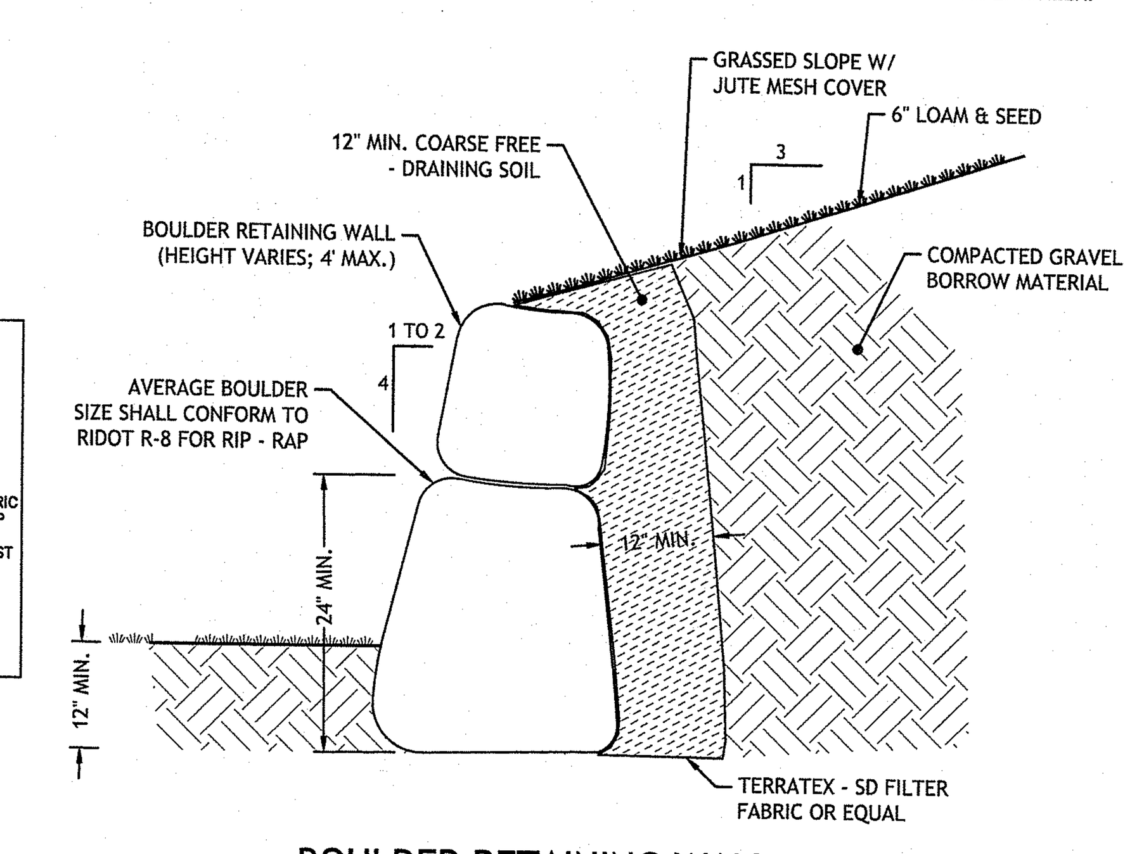
RAIN GARDEN ELEVATIONS
NOT TO SCALE



CRUSHED STONE DRIVEWAY
NTS



SILT FENCE DETAIL
N.T.S.



BOULDER RETAINING WALL
NOT TO SCALE

SITE NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING (R&D) OF ALL MATERIALS INDICATED ON THE PLANS.
2. STOCKPILES OF EARTH MATERIALS SHALL NOT BE LOCATED ADJACENT TO DRAINAGE STRUCTURES.
3. ALL DISTURBED AREAS OUTSIDE OF THE PAVED AREAS WILL RECEIVE A MINIMUM OF 6" OF LOAM AND SEED.
4. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SURVEY LAYOUT SERVICES FOR THE WORK AND SHALL SUBMIT "AS-BUILT" DRAWINGS OF ALL WORK, WHICH SHALL BE STAMPED AND CERTIFIED BY A RHODE ISLAND REGISTERED PROFESSIONAL LAND SURVEYOR OR RHODE ISLAND REGISTERED PROFESSIONAL ENGINEER.
5. ANY ITEM OF WORK NOT SPECIFICALLY INDICATED ON THE PLANS BUT IS REQUIRED FOR THE COMPLETE CONSTRUCTION OF THE PROJECT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND INCLUDED IN THE CONTRACT BID PRICE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING SITE CONDITIONS.
6. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR ACTUAL SIZE OF THE PROPOSED DWELLING.
7. WHERE NECESSARY TO REMOVE CURBS, CATCH BASINS OR DRAINS TO COMPLETE WORK, THE CONTRACTOR SHALL REPLACE SUCH ITEMS TO THE SATISFACTION OF THE TOWN AT NO ADDITIONAL COST TO THE OWNER.
8. ANY EXISTING PIPE OR UTILITY DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT NO COST TO THE OWNER OR THE TOWN.
9. THE CONTRACTOR SHALL RESTORE TO ITS ORIGINAL CONDITION OR REPLACE TREES, SHRUBS, FENCES, SIGNS, GUARDRAILS, DRIVEWAYS, SIDEWALKS AND ANY OTHER OBJECT AFFECTED BY THIS OPERATION.
10. THE TOPS OF ALL VALVE BOXES AND CURB BOXES SHALL BE FLUSH WITH GROUND OR PAVEMENT SURFACE LEVEL AND PLUMB, UNLESS OTHERWISE DIRECTED.
11. ROADWAYS SHALL BE LEFT PASSABLE AT ALL TIMES. CLOSURE OF ROADWAY IS NOT PERMITTED.
12. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL DRIVEWAYS AT COMPLETION OF EACH DAYS WORK.
13. WATER SERVICE SHALL BE MAINTAINED AT ALL TIMES.
14. ALL LEDGE TO BE REMOVED BY MECHANICAL MEANS.
15. ALL CONSTRUCTION WORK SHALL BE PERFORMED IN THE DRY. THE CONTRACTOR SHALL PROVIDE, OPERATE AND MAINTAIN ALL PUMPS, DRAINS, WET POINTS, SCREENS, OR OTHER FACILITIES NECESSARY TO CONTROL, COLLECT AND DISPOSE OF ALL SURFACE AND SUBSURFACE WATER ENCOUNTERED IN THE PERFORMANCE OF THE WORK.
16. REFER TO MECHANICAL PLANS FOR CONTINUATION OF ALL UTILITIES WITHIN 5' (FIVE) FEET OF THE BUILDING.
17. ALL SITE WORK, INCLUDING BUT NOT LIMITED TO, BITUMINOUS PAVEMENT, ROADWAY CONSTRUCTION, AGGREGATE MATERIALS, DRAINAGE STRUCTURES, CURBING, SIDEWALK, LANDSCAPING, SAW CUTTING, ETC. SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION, 2004 EDITION (WITH LATEST ADDENDA) AND THE RIDOT STANDARD DETAILS, 1998 EDITION (WITH LATEST ADDENDA).

SOIL EROSION AND SEDIMENTATION CONTROL NOTES:

1. THE SILT FENCE LINE ILLUSTRATED ON THESE PLANS SHALL SERVE AS THE STRICT LIMIT OF DISTURBANCE FOR THE PROJECT WITHIN OR ADJACENT TO REGULATED FRESHWATER WETLAND AREAS.
2. THE LIMITS OF CLEARING, GRADING, AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED CONSTRUCTION AREA. ALL AREAS OUTSIDE OF THESE LIMITS, AS DEPICTED ON THE PLAN SHALL BE TOTALLY UNDISTURBED, TO REMAIN IN NATURAL CONDITION.
3. ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDED, PROTECTED AND MAINTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL REGULARLY CHECK ALL SEEDED AREAS TO ENSURE THAT A GOOD STAND IS MAINTAINED.
4. ALL SILT FENCE, TEMPORARY TREATMENT (HAY, STRAW, ETC.) AND TEMPORARY EROSION PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
5. STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES OF NO GREATER THAN 2:1 AND SHALL BE TEMPORARILY SEEDED AND/OR STABILIZED PER CONTRACT SPECIFICATIONS.
6. THE SILT FENCE SHALL BE CHECKED BY THE CONTRACTOR ON A WEEKLY BASIS AND AFTER EACH STORM FOR UNDERMINING OR DETERIORATION. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY SILT FENCE AS NEEDED. THE CONTRACTOR SHALL CLEAN THE ACCUMULATED SEDIMENT IF HALF OF THE ORIGINAL HEIGHT OF THE SILT FENCE BECOMES FILLED WITH SEDIMENTS.
7. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL SOIL EROSION AND SEDIMENT CONTROLS ON THE PROJECT SITE FOR THE ENTIRE DURATION OF THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL FOLLOW THE DIRECTION OF THE RESIDENT ENGINEER WITH REGARD TO INSTALLATION, MAINTENANCE, AND REPAIR OF ALL SOIL EROSION AND SEDIMENTATION CONTROLS ON THE PROJECT SITE. TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROLS (HAYBALES, SILT FENCE, ETC.) SHALL BE MAINTAINED UNTIL ALL EXPOSED SOILS ARE SATISFACTORILY STABILIZED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND/OR RESEEDING ALL AREAS THAT DO NOT DEVELOP WITHIN ONE YEAR FROM THE COMPLETION OF CONSTRUCTION.
8. ALL REFERENCED SOIL EROSION AND SEDIMENTATION CONTROLS INCLUDING MATERIALS USED, APPLICATION RATES AND THE INSTALLATION PROCEDURES SHALL BE PERFORMED PER THE "RHODE ISLAND EROSION AND SEDIMENTATION HANDBOOK", DATED 1993.

MISCELLANEOUS UTILITY NOTES:

1. PRIOR TO CONSTRUCTION ALL POTENTIAL UTILITY/DRAINAGE CONFLICTS MUST BE IDENTIFIED BY THE CONTRACTOR. ANY MODIFICATIONS TO THE PROPOSED UTILITIES TO AVOID CONFLICTS MUST BE APPROVED BY THE DESIGN ENGINEER PRIOR TO CONSTRUCTION. NO EXTRA PAYMENT TO THE CONTRACTOR DUE TO RELOCATIONS WILL BE AUTHORIZED.
2. IF REQUIRED, OVERHEAD ELECTRIC AND TELEPHONE SERVICES ARE TO BE REMOVED BY THE APPROPRIATE UTILITY COMPANY AND COORDINATED BY THE CONTRACTOR.
3. THE CONTRACTOR SHALL AT ALL TIMES PROVIDE A SUFFICIENT NUMBER OF WORKMEN AND GUARDS AS MAY BE NECESSARY TO PROPERLY SAFEGUARD THE PUBLIC FROM THEIR OPERATIONS.
4. THE CONTRACTOR SHALL TAKE PRECAUTIONS AGAINST DAMAGING OF PAVING, SIDEWALKS, UTILITIES, OR PRIVATE PROPERTIES AND SHALL PROMPTLY REPAIR AT HIS OWN EXPENSE ANY DAMAGE TO SUCH PAVING, SIDEWALKS, UTILITIES, OR PRIVATE PROPERTIES TO THE SATISFACTION OF THE OWNER OR TOWN.

LAYOUT NOTE:

1. THE LAYOUT SHOWN REPRESENTS A GRAPHICAL DESIGN, AND PRIOR TO THE CONSTRUCTION, THE CONTRACTOR SHALL ENGAGE A PROFESSIONAL LAND SURVEYOR (PLS) REGISTERED IN THE STATE OF RHODE ISLAND TO SET AND VERIFY ALL LINES AND GRADES. ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS ARE TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY ITEMS FOUND WHICH DO NOT MATCH THE PLANS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO CONSTRUCTION FOR REVIEW. NO WORK SHALL PROCEED UNTIL AUTHORIZED BY THE ENGINEER.

JCE
JOE CASALI ENGINEERING, INC.
CIVIL · SITE DEVELOPMENT · TRANSPORTATION
DRAINAGE · WETLANDS · ISDS · TRAFFIC · FLOODPLAIN
300 POST ROAD, WARWICK, RI 02888
(401) 944-1300 (401) 944-1313 FAX WWW.JOECASALI.COM

JOSEPH A. CASALI
No. 7250
REGISTERED PROFESSIONAL ENGINEER CIVIL
5/8/2024

SITE IMPROVEMENT PLANS FOR A PROPOSED SINGLE FAMILY HOME
NIPMUC ROAD
SCITUATE, RHODE ISLAND
AP 50, LOT 35

Environmental Management
MAY - 9 2024
Office of Water Resources

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NO.	DATE.	DESCRIPTION
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6	5/9/2024	RIDEM NOTICE

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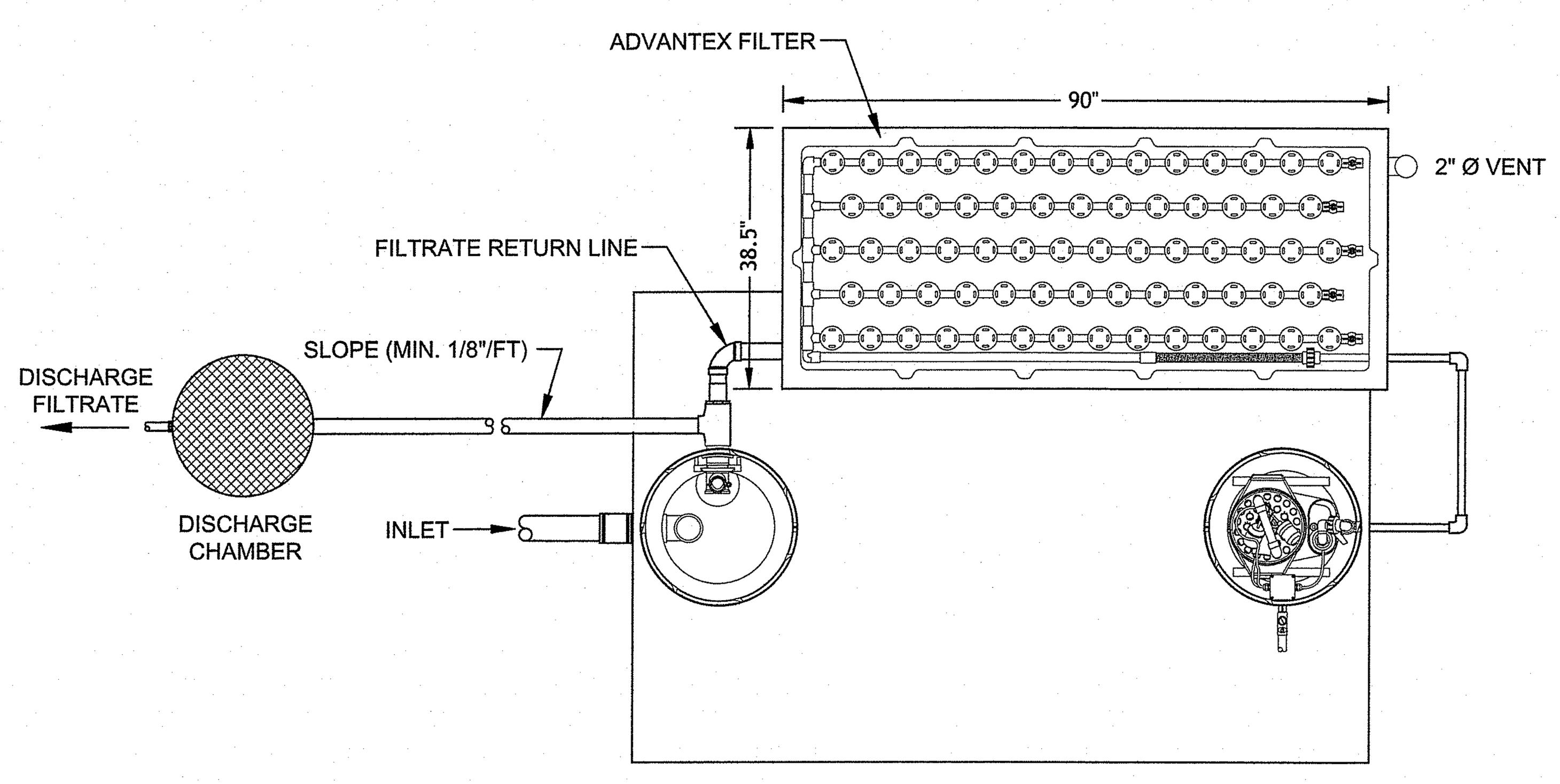
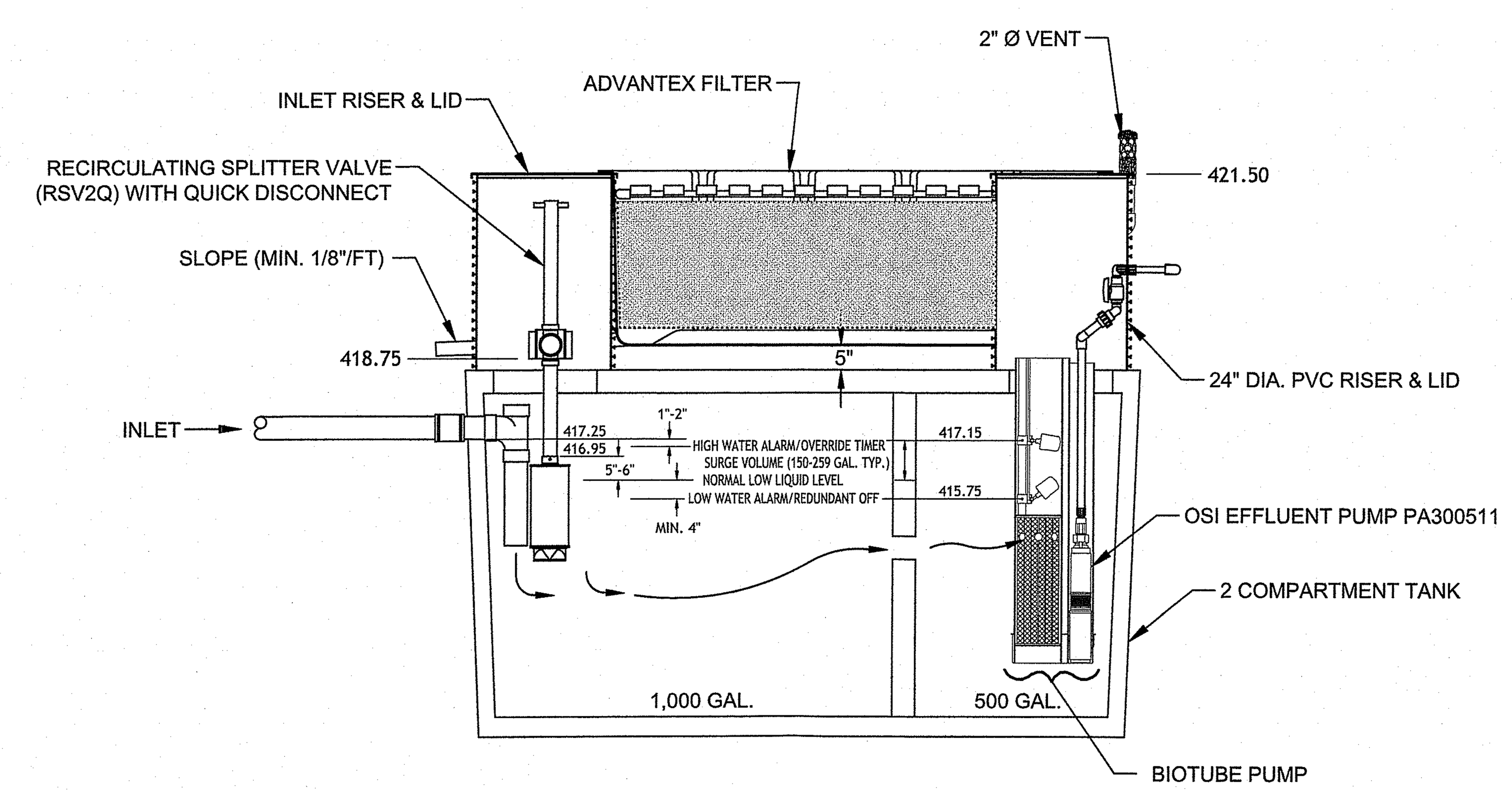
DRAWN BY:	WMLJR
CHECKED BY:	JAC
DATE:	OCTOBER 2015
PROJECT NO:	03-35

SITE PLAN



TOP VIEW

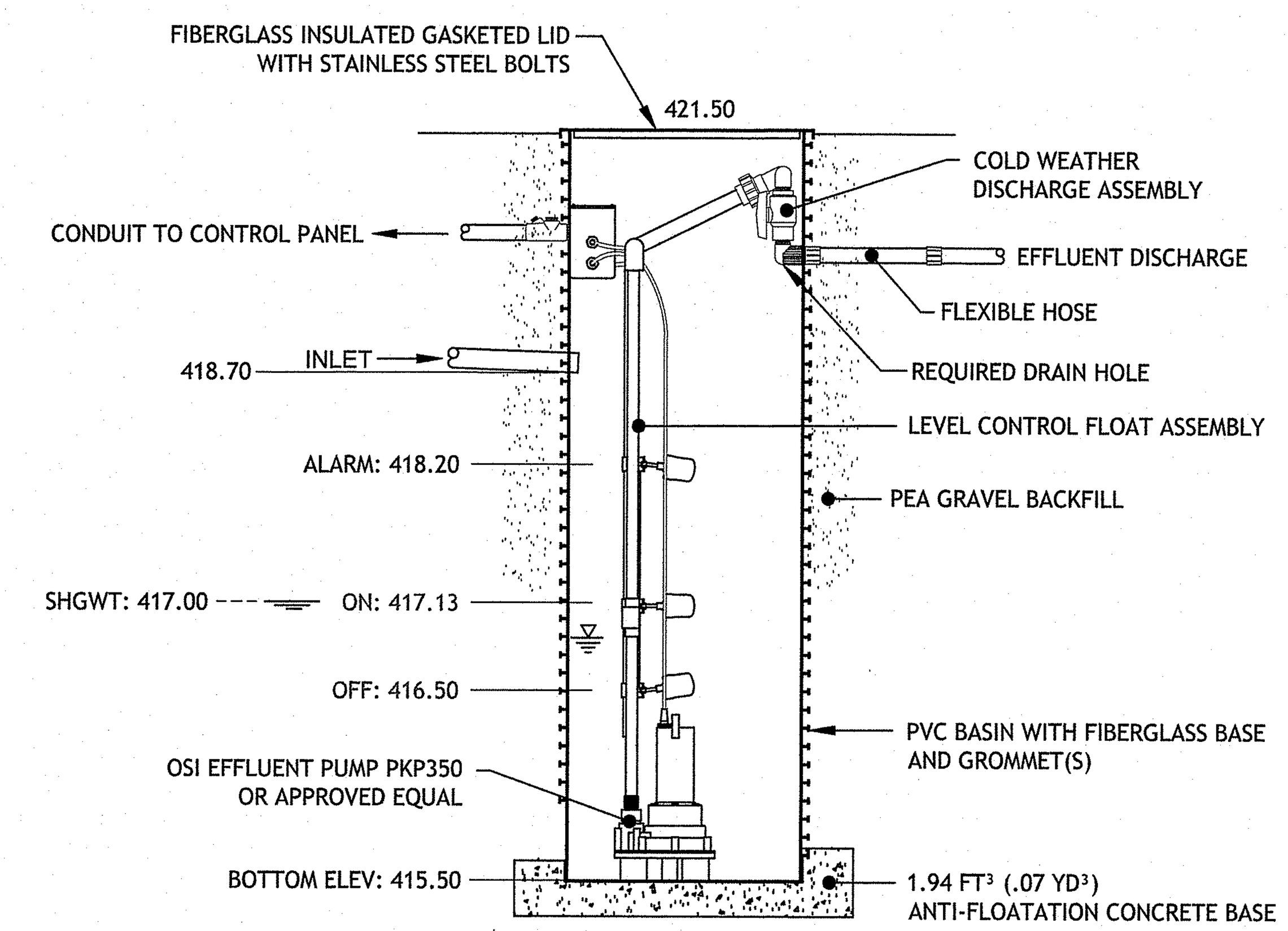


SIDE VIEW

TYPICAL ADVANTEX TREATMENT SYSTEM - AX20 SERIES - MODE 3B

NOT TO SCALE

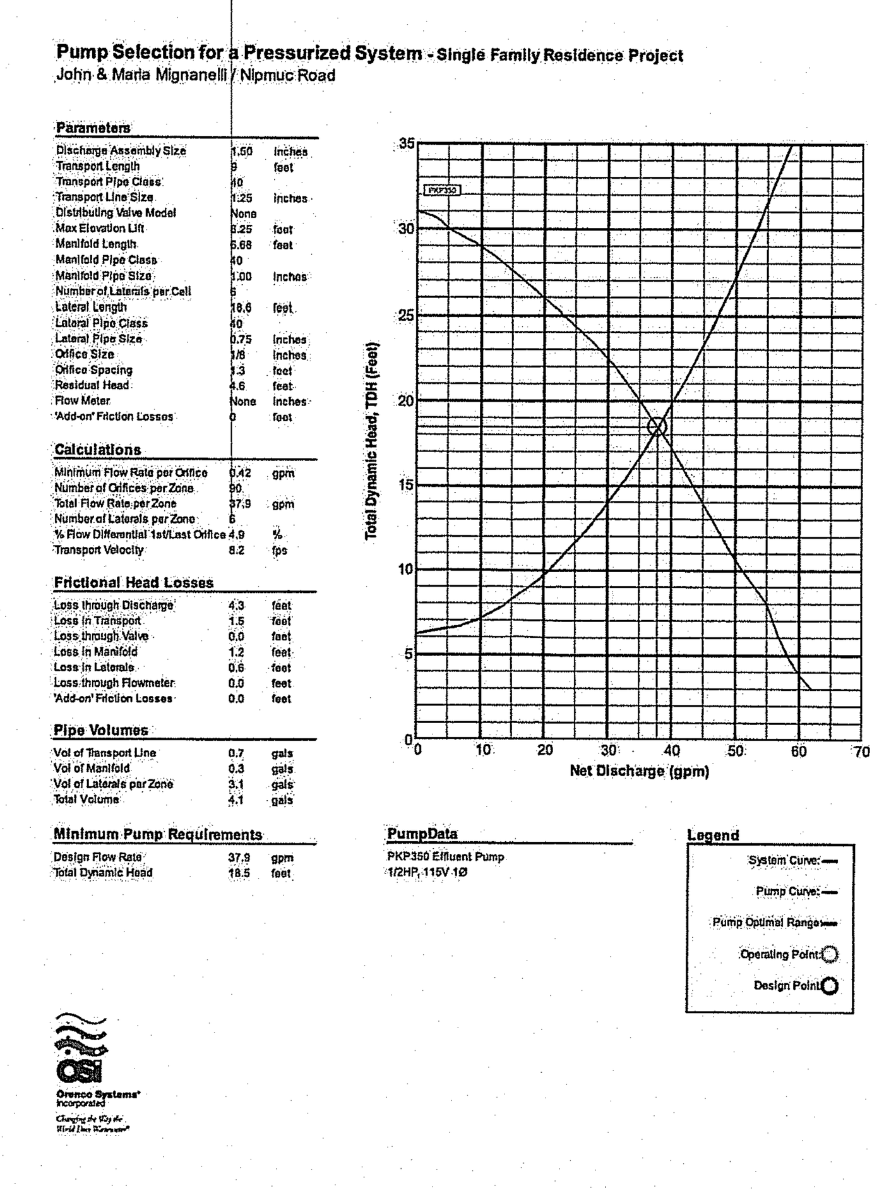
NOTE:
ADVANTEX AX20 TREATMENT SYSTEM IS DESIGNED WITH THE USE OF A VERRICOMM TELEMETRY CONTROL PANEL MODEL VCOM-AXB1HT. HOUSE ELECTRICIAN TO PROVIDE 1-10 AMP CIRCUIT, 1-20 AMP CIRCUIT AND PHONE JACK FOR PANEL CONTROLS.



ORENCO PUMPING SYSTEM

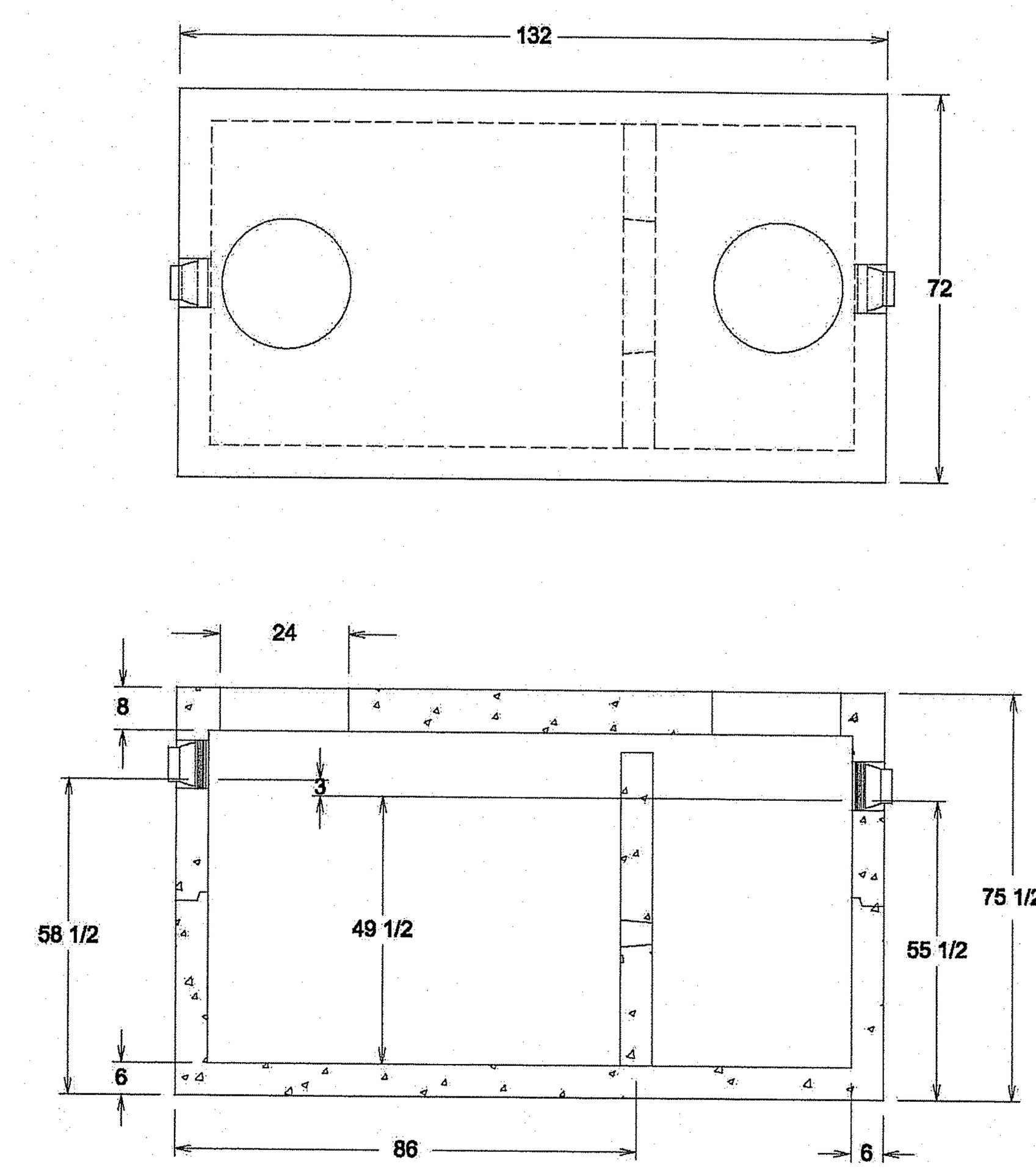
24" Ø PUMP CHAMBER

NOTE:
DISCHARGE ASSEMBLY DRAWN TO SHOW KEY COMPONENTS. ALL PIPING AND FITTINGS SHALL BE INSTALLED TO ENSURE DRAIN-BACK INTO THE PUMP BASIN TO AVOID FREEZING OF SHALLOW BURY DISCHARGE PIPING (WHERE APPLICABLE).



ORENCO PUMP SELECTION

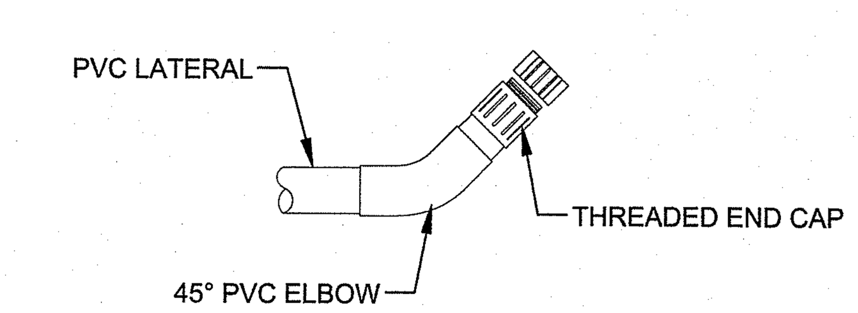
1500 GALLON H-20
TWO COMPARTMENT TANK



DESIGN NOTES
1) ALL JOINTS SEALED WITH BUTYL RUBBER SEALANT
2) MEETS H-20 WHEEL LOAD
3) CONCRETE STRENGTH 5000 PSI. MIN. 28 DAYS
4) INLET AND OUTLET OPENINGS ARE CORED TO CUSTOMER SPECIFICATIONS 4", 6" AND 8" SIZE BOOTS WITH CLAMPS ARE AVAILABLE.

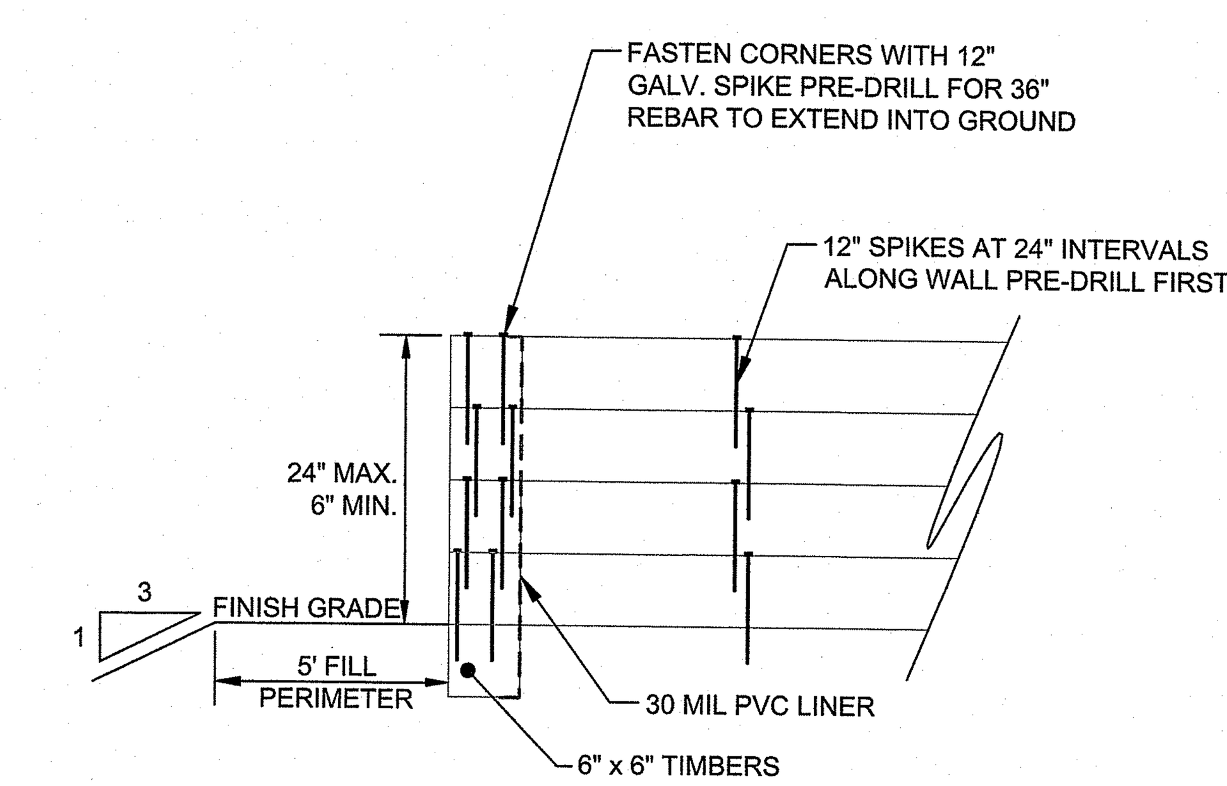
FILE: 15002CH20

JOLLEY PRECAST, INC.
860-774-9066



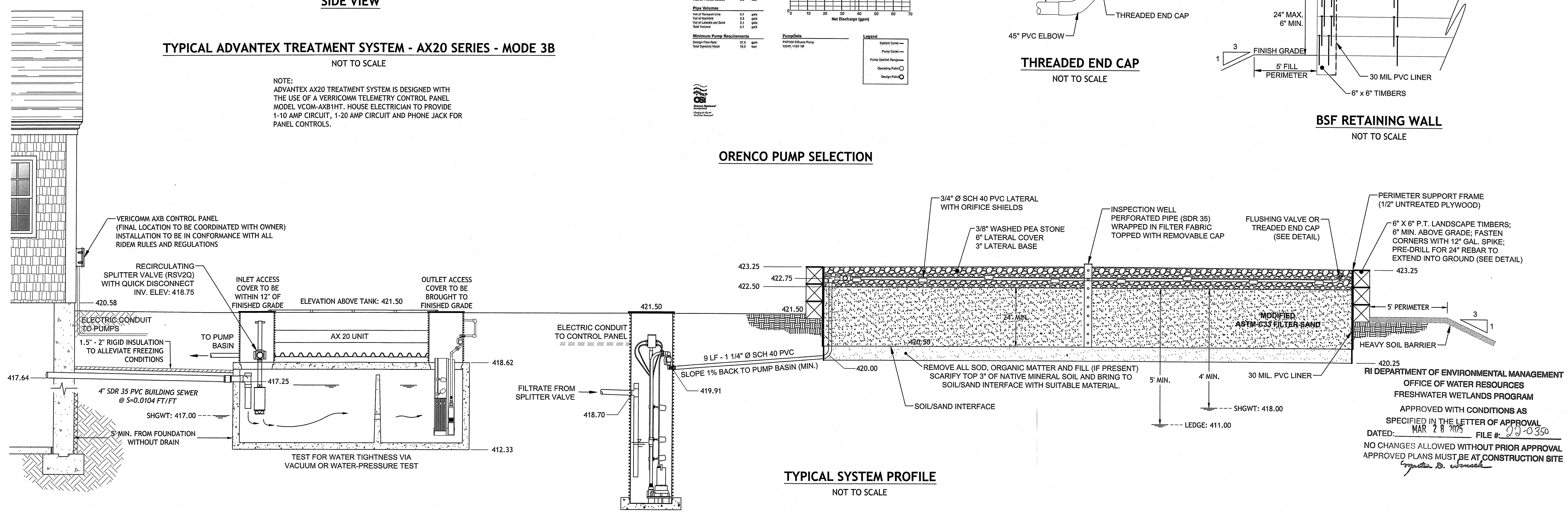
THREADED END CAP

NOT TO SCALE



BSF RETAINING WALL

NOT TO SCALE



TYPICAL SYSTEM PROFILE

NOT TO SCALE

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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Martin D. Wencek

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SCITUATE, RHODE ISLAND
AP 50, LOT 35

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PROJECT NO:	03-35

OWTS DETAILS I

GENERAL OWTS NOTES:

THIS DESIGN IS SUBMITTED TO RIDEM TO BE REVIEWED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. CONSTRUCTION OF THIS SYSTEM WILL REQUIRE THE "DESIGNER'S CERTIFICATE OF CONSTRUCTION FOR OWTS".

UNLESS OTHERWISE SPECIFIED, THE SYSTEM HAS NOT BEEN DESIGNED WITH THE PROVISIONS FOR GARBAGE GRINDERS.

THERE ARE NO KNOWN PUBLIC WELLS, EXISTING OR PROPOSED, WITHIN 500 FEET OF THE DESIGNED SYSTEM UNLESS SHOWN.

LEACHFIELD SHALL NOT BE WITHIN 25 FEET OF ANY UPGRADIENT SUBSURFACE DRAIN OR WITHIN 50 FEET OF ANY DOWNGRADIENT SUBSURFACE DRAIN, INCLUDING FOUNDATION DRAINS. THERE ARE NO KNOWN SUBSURFACE DRAINS 25 FEET UPGRADIENT OR 50 FEET DOWNGRADIENT OF THE PROPOSED LEACHFIELD.

NO DRIVING, PARKING OR PAVING WITHIN 10' OF BSF.

THIS SEWERAGE DISPOSAL SYSTEM SHALL CONFORM TO ALL THE REGULATIONS UNDER SECTIONS 42-17.1-2(1), (M) (R) AND (S) AND SECTION 23-19.5-4 AND CHAPTER 42-35 OF THE GENERAL LAWS OF RHODE ISLAND.

ALL PIPES EXCEPT IN THE LEACHING FIELD SHALL BE SOLID 4 INCH DIAMETER SDR 35 WITH WATER TIGHT JOINTS OR EQUIVALENT UNLESS OTHERWISE SPECIFIED.

ALL GRAVITY PIPES UNLESS OTHERWISE SPECIFIED SHALL HAVE A SLOPE NOT LESS THAN 1/8 INCH PER FEET BUT NO GREATER THAN 3%.

SEPTIC TANK AND DOSING TANK SHALL BE SET ON A LEVEL STABLE BASE THAT WILL NOT SETTLE.

INSPECTIONS OR AS-BUILT PLANS ARE REQUIRED, DESIGNER MUST BE NOTIFIED 48 HOURS IN ADVANCE AND COMPONENTS OF SYSTEM MUST BE LEFT EXPOSED.

BOTTOMLESS SAND FILTER NOTES:

THE BOTTOMLESS SAND FILTER (BSF) IS INCORPORATED AS THE DISPOSAL BED IN THIS DESIGN TO MAXIMIZE THE REMOVAL OF PATHOGENIC ORGANISMS (PAGE 6 RIDEM TRC GUIDELINES).

PER RIDEM NOTICE 4/30/04, TOTAL PEA STONE DEPTH IS INCREASED TO 9' TO REDUCE WINTER FREEZE POTENTIAL.

THE BSF AREA IS TO BE LOCATED AND STAKED IN THE FIELD BY THE INSTALLER PRIOR TO CONSTRUCTION. PROTECTION AGAINST HEAVY VEHICLE TRAFFIC MUST BE ESTABLISHED IN THE BSF AREA PRIOR TO INITIATING ANY CONSTRUCTION OPERATIONS ON THE SITE. DEGRADATION OF THE PROPOSED SITE AREA WILL REQUIRE A RE-DESIGN.

SYSTEM COMPONENTS WITHIN THIS DESIGN ARE AVAILABLE FROM ORENCO SYSTEMS INC., 814 AIRWAY AVENUE, SUTHERLIN, OR. 97479. LOCAL DEALER INFORMATION IS AVAILABLE AT 1-800-348-9843 OR WWW.ORENCO.COM.

A MINIMUM TEN (10) FEET MUST BE MAINTAINED BETWEEN THE BSF AND ADJACENT TREES AND SHRUBS.

INTERMITTENT PRESSURE DOSED EFFLUENT WILL PROVIDE A UNIFORM DISTRIBUTION OF WASTE WATER OVER THE BSF AREA, MINIMIZING LOCALIZED SATURATION. LATERAL GATE VALVES ARE DESIGNED FOR PLACEMENT OFF THE HEADER LINE SO AS TO EQUALIZE HYDRAULIC PRESSURE IN THE DISPERSAL.

THE PRESSURE LINE IS TO BE SLOPED BACK TOWARDS THE PUMP CHAMBER FROM THE BSF FIELD TO ELIMINATE FREEZING.

THE BSF SAND MEDIA MUST CONFORM TO ASTM C-33 SPECIFICATIONS. EFFECTIVE SIZE (D10) OF 0.3 mm AND A UNIFORMITY COEFFICIENT (D60/D10) OF 3.0 TO 4.0. MAXIMUM MATERIAL PASSING THE NUMBER 200 SIEVE SHALL BE 1%. THE INSTALLER SHALL PRODUCE GRADATION ANALYSIS RESULTS FOR THE MATERIAL PROVIDED FROM THE SUPPLIER.

PERIMETER STRIPPING OF THE SOIL MATERIAL BELOW THE BSF IS PROHIBITED, UNLESS FILL MATERIAL IS PRESENT.

THE WALLS OF THE BSF ENCLOSURE MUST BE LINED WITH A 30 mil PVC LINER WITH ALL BOOTS, PATCHES, REPAIRS, AND SEAMS HAVING THE SAME PROPERTIES AS THE LINER.

ANY PENETRATION THROUGH THE PVC LINER WALL SHALL BE DONE WITH A PVC BOOT ATTACHMENT GLUED TO THE LINER WITH APPROPRIATE RESILIENT SEALER.

EXCAVATOR/BACKHOE BUCKET USED TO PLACE MEDIA SHALL BE WASHED THOROUGHLY BEFORE LOADING PROCESS.

SAND MEDIA SHALL BE PLACED IN 6 INCH LIFTS AND WETTED TO PROVIDE EVEN SETTLING. AFTER PLACEMENT OF EACH LIFT EDGES OF OF THE FILTER SHALL BE WALKED DOWN, CLEAN SHOES ARE REQUIRED FOR THIS PROCESS.

AFTER SAND MEDIA HAS SETTLED, 3 INCHES OF 3/8 INCH WASHED PEA STONE SHALL BE PLACED OVER SAND MEDIA. AFTER INSTALLATION OF DISTRIBUTION LATERALS ADD 6 INCHES OF WASHED PEAS STONE TO COVER THE SYSTEM. NO FILTER FABRIC OF ANY KIND IS TO BE USED BETWEEN THE SAND AND OVERLYING PEA STONE LAYERS.

THE ELEVATION OF THE BSF INVERT SHALL EXTEND 5 FEET BEYOND THE WALL PERIMETER.

WHILE NOT NORMALLY EXPERIENCED, THERE HAVE BEEN REPORTED INSTANCES WHERE SAND FILTER SYSTEMS HAVE BEEN KNOWN TO EXPERIENCE PROBLEMS WITH FREEZING OF PIPES UNDER EXTREME COLD CONDITIONS. WHILE MOST SAND FILTER INSTALLATIONS OPERATE PROPERLY AND WITHOUT FREEZING PROBLEM, THE POSSIBILITY OF FREEZING MAY EXIST UNDER CERTAIN CIRCUMSTANCES. SHOULD THE OWNER WISH TO MAXIMIZE THE AVOIDANCE OF THIS POSSIBILITY, THE OWNER MAY ELECT THE OPTION OF INSTALLING AN ELECTRIC HEAT TRACING SYSTEM ON THE PIPELINES. OWNER SHOULD CONTACT MANUFACTURES/SUPPLIERS OF SUCH EQUIPMENT FOR FURTHER INFORMATION.

SUPPORT WALLS ARE NEEDED TO PREVENT CAVING OF FILTER WALLS DURING CONSTRUCTION. THESE WALLS SHALL BE RIGID AND MADE OF PLYWOOD (OR EQUIVALENT) AND 2" x 4" SUPPORT BOARDS.

A PERMANENT TOP FRAME STRUCTURE MUST BE PROVIDED ON ANY PORTION OF THE BSF THAT IS INSTALLED ABOVE GRADE (MAX OF 24" ABOVE GRADE). THE PERIMETER OF THE BSF, BELOW THE REQUIRED PERIMETER OF TIMBERS, MAY BE BERMED WITH NATIVE SOIL OR OTHER MATERIAL SUCH AS LANDSCAPE STONE OR OTHER NON-DEGRADEING MATERIAL. BELOW GRADE USE OF TIMBERS IS PROHIBITED.

ADVANTEX AX 20 TREATMENT SYSTEM NOTES:

THE AX 20 SYSTEM IS AN ORENCO COMPONENT SYSTEM AND THIS DESIGN IS PREDICATED UPON AN INSTALLATION IN THE SERIES 3B MODE. IN MODE 3B THE FILTRATE RECIRCULATES BACK TO THE HIGH-CARBON, LOW OXYGEN ENVIRONMENT OF THE PROCESSING TANK. THIS PROCESS ALLOWS MICROBES TO REDUCE NITRATES TO NITROGEN GAS, DENITRIFYING THE EFFLUENT. THE INSTALLER OF THIS SYSTEM MUST BE LICENSED BY ORENCO, INC.

THE UNIT UTILIZED IN THIS DESIGN IS AN ORENCO AX 20, WITH COLD WEATHER CONFIGURATION.

IT IS CONDITIONAL IN THIS DESIGN THAT THE LID OF THE AX 20 UNIT BE TREATED WITH 2 INCHES OF FOAM INSULATION TO REDUCE FREEZING POTENTIAL.

A THERMOSTATICALLY CONTROLLED IN-LINE HEATER TO PRE-HEAT TREATMENT AIR IS AN OPTION WHICH IS RECOMMENDED IN THIS PLACEMENT.

THE INCORPORATION OF THE AX 20 SYSTEM WILL PROVIDE FOR A CATEGORY 1 TREATMENT SYSTEM, AN ADVANCED TREATMENT UNIT THAT IS TIME DOSED AS CLASSIFIED BY THE RIDEM.

EXTREME CARE TO BE TAKEN IN THE PLACEMENT OF THE EFFLUENT PRESSURE LINE FROM THE AX-20 PUMP CHAMBER TO THE BOTTOMLESS SAND FILTER. SOIL BASE IS TO BE COMPACTED TO PREVENT SETTLEMENT AND A MINIMUM SLOPE OF 1/8 INCH PER FOOT FROM BSF TO THE PUMP CHAMBER.

RVS LEVEL: FOR STINGER PIPE LENGTHS UP TO 24' LONG. THE LOW LIQUID LEVEL WILL BE APPROXIMATELY 5'-6" BELOW THE TOP OF THE RSV CAGE. (LOW LIQUID LEVEL IS THE LEVEL AT WHICH 100% OF THE FILTRATE RETURNS TO THE TANK.) FOR MOST RESIDENTIAL APPLICATIONS, THE RECOMMENDED SURGE VOLUME IS APPROXIMATELY 150 TO 250 GALLONS (APPROX. 50% TO 100% OF ACTUAL FLOW). THE SURGE VOLUME IS THE VOLUME BETWEEN THE LOW LIQUID LEVEL AND THE HIGH WATER ALARM FLOAT. FOR MODE 3 INSTALLATIONS, THE DUCKBILL MODEL RSV IS REQUIRED, WHICH HAS A FLEXIBLE PVC TUBE THAT VENTS THE RSV CAGE TO THE ATMOSPHERE.

FLOAT LEVELS: TYPICALLY THE BOTTOM FLOAT SHOULD BE POSITIONED AS CLOSE TO THE TOP OF THE BIOTUBE CARTRIDGE AS POSSIBLE. THE TOP FLOAT IS NORMALLY SET ONE TO TWO INCHES BELOW THE INVERT OF THE TANK INLET. FOR MOST RESIDENTIAL APPLICATIONS, THE RECOMMENDED SURGE VOLUME IS APPROXIMATELY 150 TO 250 GALLONS (APPROX. 50% TO 100% OF ACTUAL FLOW). THE SURGE VOLUME IS THE VOLUME BETWEEN THE LOW LIQUID LEVEL AND THE HIGH WATER ALARM FLOAT. BE SURE TO CHECK PLANS FOR ANY SITE SPECIFIC OR TANK SPECIFIC FLOAT SETTINGS.

OPERATIONAL AND MAINTENANCE NOTES:

THIS SYSTEM SHALL PROVIDE FOR AN AUDIBLE ALARM FOR HIGH WATER IN THE PUMP CHAMBERS WHICH MAY BE SILENCED BY PUSHING A BUTTON ON THE CONTROL PANEL. THIS SITUATION MAY DEVELOP WITH UNUSUALLY HIGH WATER USAGE AND WILL NOT INDICATE AN ONGOING PROBLEM. REPEATED ALARMS, OR ALARMS WITH NO UNUSUAL WATER USAGE SHOULD BE REPORTED TO YOUR MAINTENANCE PROVIDER.

THE PROPERTY OWNER SHALL ENTER INTO MAINTENANCE CONTRACTS FOR BOTH THE ADVANTEX AX SYSTEM AND THE BSF DISPOSAL FIELD. EACH UNIT SHOULD HAVE A MINIMUM OF 2 INSPECTIONS ANNUALLY.

THE MAINTENANCE PROVIDER SHALL AFFIX THEIR NAME AND 24-HOUR CONTACT PHONE INSIDE THE CONTROL BOX LOCATED ON THE EXTERIOR OF THE HOUSE.

THE BSF INSPECTION SHALL INCLUDE A SAMPLING OF THE BSF INFLUENT TO CHECK FOR CLARITY.

BSF LATERALS SHALL BE CLEANED ANNUALLY BY OPENING THE LATERAL THREADED END CAP AND CLEANING THE ENTIRE LENGTH OF THE LATERAL WITH A BOTTLE BRUSH. THE ACCUMULATED CLEANED MATERIAL MAY BE DEPOSITED IN THE INLET OF THE SEPTIC TANK. EACH LATERAL IS TO BE FLUSHED AS REQUIRED.

THE TOP OF THE BSF FIELD IS TO BE KEPT CLEAN OF DEBRIS AND UNWANTED VEGETATION (WEEDS, LEAVES, BRUSH, ETC.). LANDSCAPE TIMBERS AS DESIGNED SHALL BE MAINTAINED TO PREVENT CRUSHING OF THE SYSTEM BY UNWANTED LOADS, AND SURFACE WATER INDICATION OF THE SYSTEM.

ELECTRONIC COMPONENTS OF THE ADVANTEX AND THE BSF SYSTEMS SHALL BE CHECKED ANNUALLY FOR OPERATION.

ALL FLOATS IN THE PUMP CHAMBERS SHALL BE HOSED DOWN AND CLEANED FROM BUILD-UP.

THE INLET OF THE SEPTIC TANK AND THE DOSING TANK SHALL BE INSPECTED FOR SLUDGE AND SCUM ACCUMULATION. WHEN THESE MATERIALS BUILD UP TO 33% OF THE SEPTIC TANK HEIGHT, THE TANK SHOULD BE PUMPED AND THE ACCUMULATIONS APPROPRIATELY REMOVED.

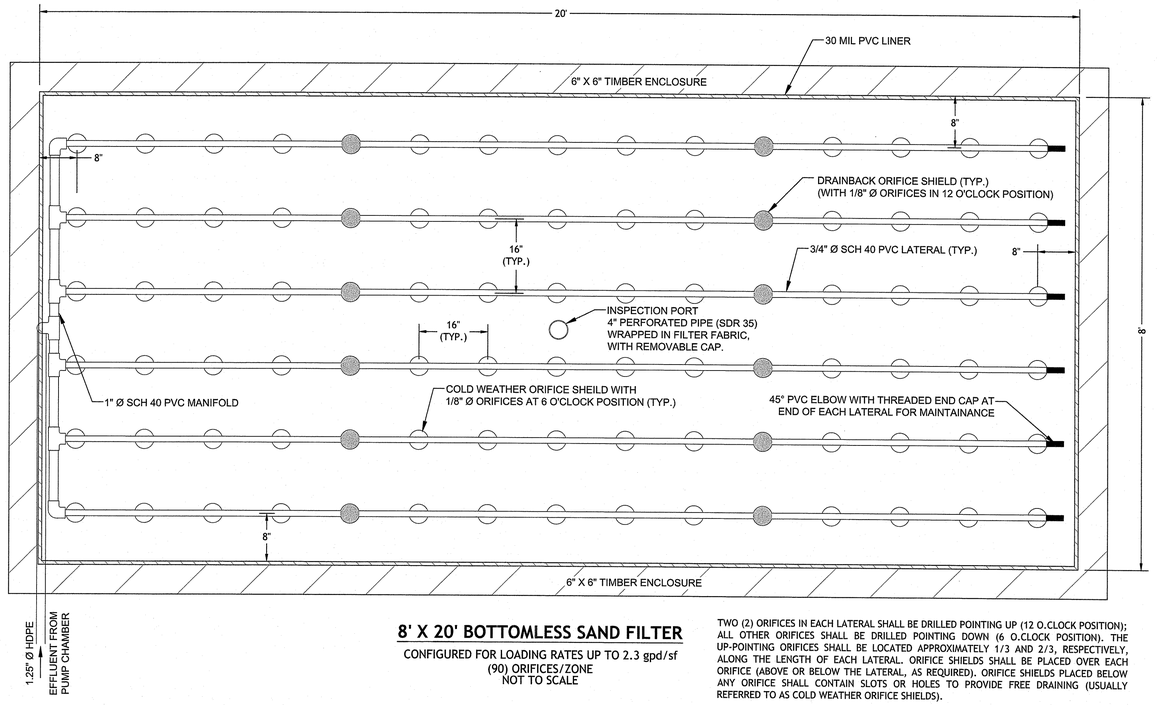
THE FILTER IN THE PUMP CHAMBERS SHALL BE CLEANED ANNUALLY.

SHOULD THE PUMP ASSEMBLY BE REMOVED, THE VAULT SHALL BE CLEANED AND FILLED WITH CLEAN WATER TO PREVENT THE SCREEN FROM BEING FOULED WITH SOLIDS.

TIMER SETTINGS SHALL BE CHECKED AT EVERY ESTABLISHED MAINTENANCE AND INSPECTION VISIT AND ADJUSTED AS NEEDED BY THE SERVICE PROVIDER.

ALL TANKS AND BASINS SHALL BE VISUALLY INSPECTED FOR WATER TIGHTNESS.

PROPERTY OWNER TO REDUCE ANY SHADING IN THE AREA OF THE BOTTOMLESS SAND FILTER TO REDUCE FREEZE POTENTIAL. ANY ACTIVITY TO REDUCE SHADING MUST BE IN ACCORDANCE WITH THE RIDEM WETLANDS APPROVALS.



8' X 20' BOTTOMLESS SAND FILTER

CONFIGURED FOR LOADING RATES UP TO 2.3 gpd/sf
(90) ORIFICES/ZONE
NOT TO SCALE

TWO (2) ORIFICES IN EACH LATERAL SHALL BE DRILLED POINTING UP (12 O.CLOCK POSITION); ALL OTHER ORIFICES SHALL BE DRILLED POINTING DOWN (6 O.CLOCK POSITION). THE UP-POINTING ORIFICES SHALL BE LOCATED APPROXIMATELY 1/3 AND 2/3, RESPECTIVELY, ALONG THE LENGTH OF EACH LATERAL. ORIFICE SHIELDS SHALL BE PLACED OVER EACH ORIFICE (ABOVE OR BELOW THE LATERAL, AS REQUIRED). ORIFICE SHIELDS PLACED BELOW ANY ORIFICE SHALL CONTAIN SLOTS OR HOLES TO PROVIDE FREE DRAINING (USUALLY REFERRED TO AS COLD WEATHER ORIFICE SHIELDS).

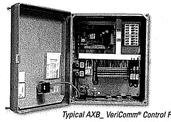
VeriComm® AXB_ Control Panels

Technical Data Sheet

For AdvanTex® Treatment Systems

Applications

VeriComm® AXB1 and AXB2 remote telemetry control panels are used with two-pump operations — recirculation and discharge (on-demand or timed) — for AdvanTex® Treatment Systems. Interlocked controls prevent the recirculation pump from running if there is a high level alarm on the discharge side. Coupled with the VeriComm Web-based Monitoring System, these affordable control panels give water/wastewater system operators and maintenance organizations the ability to monitor and control each individual system's operation remotely, with real-time efficiency, while remaining invisible to the homeowner. VeriComm AXB panels allow remote operators to change system parameters, including timer settings, from the Web interface.



Typical AXB_ VeriComm® Control Panel
Standard Models: VCOM AXB1, VCOM AXB2

To Specify...

To specify this panel for your installation, require the following:

Basic Control Logic: Three Operating Modes

- A "Start-up Mode" for the initial 30 days, during which the system collects trend data to establish operating standards for future reference.
- A "Normal Mode" that manages day-to-day functions.
- A "Test Mode" that suspends data collection and alarm reporting during installation and service.

Data Collection and Utilization

- Data logs of system conditions and events, such as pump run times, pump cycles, and alarm conditions.

Troubleshooting and Diagnostic Logic

- Troubleshooting capabilities that can report suspected failed components, which then trigger Alarms.

Advanced Control Logic

- Advanced control logic that activates during float malfunctions to diagnose the situation and keep the system operating normally until servicing.

Communication and Alarm Management

- Remote telemetry capabilities coupled with a Web-based monitoring application (see *VeriComm Monitoring System*, ATD-WEB-VCOM-1) for communication and alarm management. Updating of point values (including timer settings) and receipt of queued changes during each communication session with host. Communication sessions that occur monthly, at a minimum, and more frequently during alarm conditions.
- Multiple methods of communication, as follows:

Call-In to VeriComm® Host

- Automatic notification to host of "Alarms," which signal fault conditions that need to be addressed immediately (e.g., pump failure).
- Automatic notification to host of "Alerts," which signal less critical fault conditions and which trigger the panel's troubleshooting logic and alternative operating mode (e.g., stuck float switch).
- Automatic notification to host of "Updates," which include alarm updates or all-clear notifications following Alarms/Alerts, as well as normally scheduled monthly panel reports.
- Manual, forced communication from panel to host to effect an updating of point values and receipt of queued changes.

Real-Time Direct Connection to Panel

- Manual, direct connection at the site via RS-232 serial port, to allow a local operator real-time access to detailed logged data and the ability to change point values from a laptop.
- Manual, forced communication by local operator/homeowner at the site to initiate an auto-answer mode, allowing a remote operator real-time access to detailed logged data and the ability to change point values.

During real-time, manual connections, software with open architecture (and password security) is used; no proprietary software is required. VT100 protocol allows access and control from any computer modem (Mac or PC) with a simple communication program (e.g., Windows® HyperTerminal); multilevel password protection in panel ensures that only qualified personnel can access the panel's data.

Additional Features

- Status light indicators on the board, including . . .
  - Flashing green LED for normal operation
  - Yellow LEDs for status of digital inputs
  - Red LEDs for status of digital outputs and modem activity
- UL-recognized and FCC-approved

For more information, try our online demo at www.vericomm.net (no password required).

Orenco Systems® Incorporated
Changing the Way the World Does Wastewater®
800-348-9843
www.orenco.com

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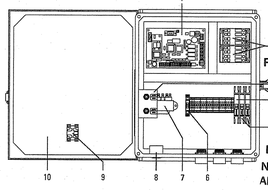
VeriComm® AXB_ Control Panels
Technical Data Sheet



1. VeriComm® Remote Telemetry Board
2. Motor-Start Contactors
3. Toggle Switches
4. Control Circuit Breaker
5. Pump Circuit Breakers
6. Fuse
7. Transformer
8. Audio Alarm
9. Visual Alarm
10. Panel Enclosure

Standard Components

Feature	Specifications
1. VeriComm® Remote Telemetry Unit*	ATRTU-100: 38/18 VAC (center tap transformer), 8 digital inputs, 4 analog inputs, 4 digital outputs, 0 analog outputs, on-board modem (2400 baud), LED input and output indicators, 1-year battery backup of data and program settings.
2. Motor-Start Contactors	120 VAC: 16 FLA, 1 hp, 80 Hz; 2,5 million cycles at FLA (10 million at 50% of FLA). 240 VAC: 16 FLA, 3 hp, 80 Hz; 2,5 million cycles at FLA (10 million at 50% of FLA).
3. Toggle Switches	Single-pole switch, automatic On, with spring-loaded, momentary, manual On. 20 A, 1 hp.
4. Control Circuit Breaker	10 A, OFF/ON switch. Single-pole 120 VAC, double-pole 240 VAC. DIN rail mounting with thermal magnetic tripping characteristics.
5. Pump Circuit Breakers	20 A, OFF/ON switch. Single-pole 120 VAC, double-pole 240 VAC. DIN rail mounting with thermal magnetic tripping characteristics.
6. Fuse	120 VAC Primary, 36 VCT @ 0.85 A Secondary.
7. Transformer	250 VAC, 1 A.
8. Audio Alarm	95 dB at 24 in. (610 mm), warble-tone sound.
9. Visual Alarm	7/8 in. (22 mm) diameter red lens, "Push-to-silence." NEMA 4, 1 W bulb, 120 VAC.
10. Panel Enclosure	Measures 15.5 in. high x 13.3 in. wide x 6.7 in. deep (394 mm x 338 mm x 170 mm). NEMA 4X rated. Constructed of UV-resistant fiberglass; hinges and latch are stainless steel. Conduit couplings provided.
VCOM-AXB1	120 VAC, 3/4 hp, 14 A, single-phase, 60 Hz.
VCOM-AXB2	240 VAC, 2 hp, 14 A, single-phase, 60 Hz.

Optional Components

Feature	Specifications	Product Code Adder
Pump Run Light	7/8 in. (22 mm) diameter green lens. NEMA 4, 1 W bulb, 120 VAC.	PRL
Anticondensation Heater	Self-adjusting: radiates additional wattage as temperature drops.	HT
Programmable Timer	Discharge side timed dosing.	PT
UV Disinfection Compatibility	UV grounded power circuit and alarm contacts. Pump disable upon UV failure.	UV

** See VeriComm® Remote Telemetry Unit (ATD-CP-VCOM-1) and VeriComm® Monitoring System (ATD-WEB-VCOM-1) for more detail.*

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Rev. 2.5 12-6/06
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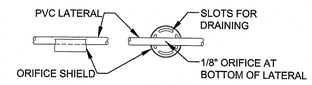
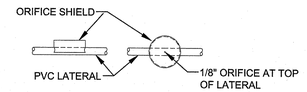
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: MAR 28 2025 FILE #: 99-0350
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE



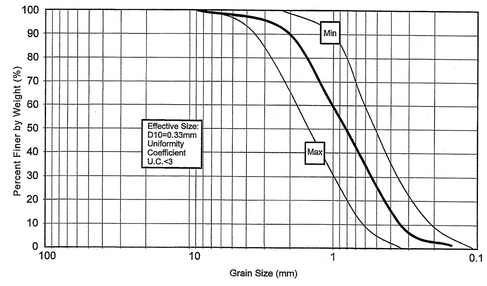
DOWN POSITION



UP POSITION

COLD WEATHER ORIFICE SHIELD

NOT TO SCALE



BOTTOMLESS SAND FILTER MEDIA SPECIFICATIONS

NOT TO SCALE

JOE CASALI ENGINEERING, INC.
CIVIL - SITE DEVELOPMENT - TRANSPORTATION
DRAINAGE - WETLANDS - ISDS - TRAFFIC - FLOODPLAIN
300 POST ROAD, WARWICK, RI 02888
(401) 944-1300 401-944-1313 FAX WWW.JOECASALI.COM

JOSEPH A. CASALI
No. 7250
REGISTERED PROFESSIONAL ENGINEER
CIVIL
5/8/2024

SITE IMPROVEMENT PLANS FOR A PROPOSED
SINGLE FAMILY HOME
NIPMUC ROAD
SCITUATE, RHODE ISLAND
AP 50, LOT 35

Environmental Management
MAY - 9 2024
Office of Water Resources

REVISIONS:		
NO.	DATE.	DESCRIPTION
1	7/12/2019	RIDEM RTC
2	12/27/2019	RIDEM RTC
3	3/18/2020	RIDEM RTC
4	6/30/2022	RIDEM APP. TO ALTER FILING
5	1/2/2024	RIDEM RTC
6	5/9/2024	RIDEM NOTICE

NOT FOR CONSTRUCTION UNLESS APPROVED BY RIDEM

DRAWN BY:	WMLJR
CHECKED BY:	JAC
DATE:	OCTOBER 2015
PROJECT NO:	03-35

OWTS DETAILS II

SHEET 4 OF 4

Q:\03-35-John Mig\ACAD\Migranelli (2024 RIDEM Pannse)\NOTICE.dwg May. 09, 2024 2:10pm