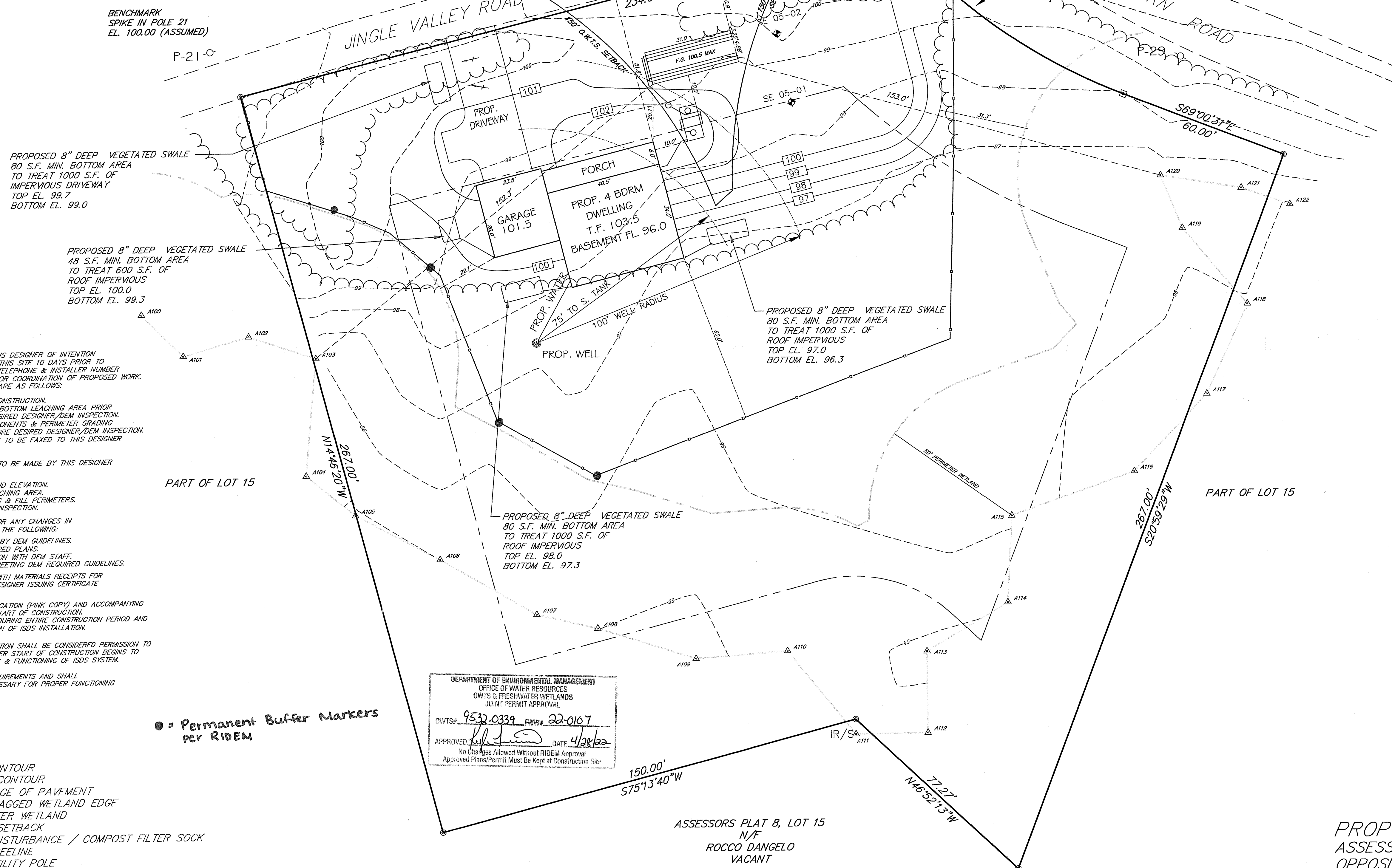
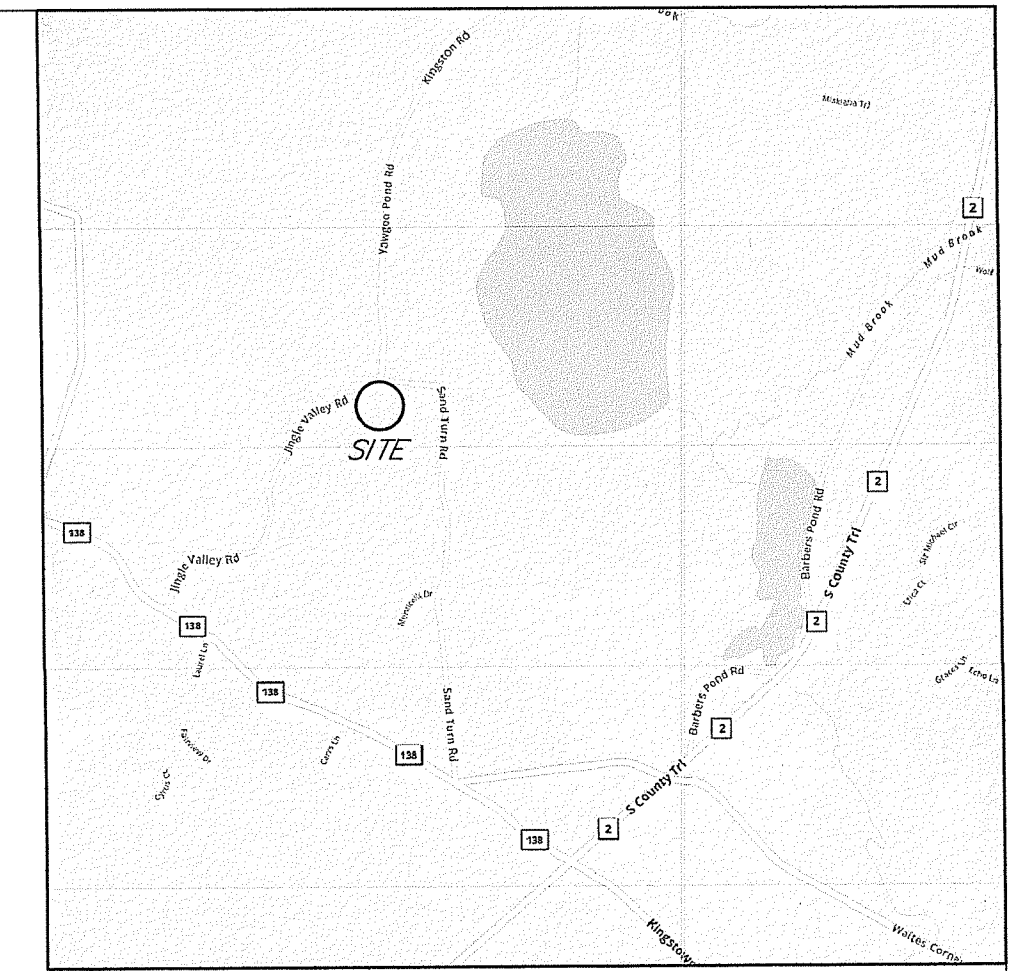


ASSESSORS PLAT 8, LOT 27
N/F
JOHN P. COOKE & ANNE M. HERBERT
NO IMPROVEMENTS WITHIN 200'
NO WELL OBSERVED

ASSESSORS PLAT 8, LOT 16
N/F
H. GARRY & JANE S. DYER
NO IMPROVEMENTS WITHIN 200'
NO WELLS WITHIN 200'



PROPOSED 8" DEEP VEGETATED SWALE
80 S.F. MIN. BOTTOM AREA
TO TREAT 1000 S.F. OF
IMPERVIOUS DRIVEWAY
TOP EL. 99.7
BOTTOM EL. 99.0

PROPOSED 8" DEEP VEGETATED SWALE
48 S.F. MIN. BOTTOM AREA
TO TREAT 600 S.F. OF
ROOF IMPERVIOUS
TOP EL. 100.0
BOTTOM EL. 99.3

PROPOSED 8" DEEP VEGETATED SWALE
80 S.F. MIN. BOTTOM AREA
TO TREAT 1000 S.F. OF
ROOF IMPERVIOUS
TOP EL. 97.0
BOTTOM EL. 96.3

PROPOSED 8" DEEP VEGETATED SWALE
80 S.F. MIN. BOTTOM AREA
TO TREAT 1000 S.F. OF
ROOF IMPERVIOUS
TOP EL. 98.0
BOTTOM EL. 97.3

- CLASS II DESIGNER REQUIREMENTS**
- THE APPLICANT IS REQUIRED TO NOTIFY THIS DESIGNER OF INTENTION TO START CONSTRUCTION OR GRADING OF THIS SITE 10 DAYS PRIOR TO START OF SITE WORK. THE CONTRACTOR'S TELEPHONE & INSTALLER NUMBER SHALL BE FURNISHED TO THIS DESIGNER FOR COORDINATION OF PROPOSED WORK. THE FOLLOWING MINIMUM REQUIRED ITEMS ARE AS FOLLOWS:
 - 24 HOUR NOTICE OF START OF CONSTRUCTION.
 - NOTICE FOR INSPECTION OF ISDS BOTTOM LEACHING AREA PRIOR TO 12 NOON THE DAY BEFORE DESIRED DESIGNER/DEM INSPECTION.
 - NOTICE FOR INSPECTION OF COMPONENTS & PERIMETER GRADING PRIOR TO 12 NOON THE DAY BEFORE DESIRED DESIGNER/DEM INSPECTION.
 - ALL DEM INSPECTION SHEETS ARE TO BE FAXED TO THIS DESIGNER WITHIN 24 HOURS OF RECEIPT.
 - SITE LAYOUT AND REQUIRED INSPECTIONS TO BE MADE BY THIS DESIGNER FOR THE FOLLOWING WORK ITEMS:
 - FOUNDATION & ISDS LOCATION AND ELEVATION.
 - INSPECTION OF ISDS BOTTOM LEACHING AREA.
 - INSPECTION OF ISDS COMPONENTS & FILL PERIMETERS.
 - FINAL COVER & WELL LOCATION INSPECTION.
 - THE APPLICANT SHALL BE RESPONSIBLE FOR ANY CHANGES IN THE SHOWN DESIGN AND INCLUDE ANY OF THE FOLLOWING:
 - NEW APPLICATIONS AS REQUIRED BY DEM GUIDELINES.
 - AS-BUILT LOCATIONS AND REQUIRED PLANS.
 - COMMUNICATIONS OR COORDINATION WITH DEM STAFF.
 - CHANGES IN INSTALLATION NOT MEETING DEM REQUIRED GUIDELINES.
 - THE APPLICANT SHALL PROVIDE DESIGNER WITH MATERIALS RECEIPTS FOR ALL CONSTRUCTION MATERIALS PRIOR TO DESIGNER ISSUING CERTIFICATE OF CONSTRUCTION.
 - THE OWNER SHALL FURNISH ORIGINAL APPLICATION (PINK COPY) AND ACCOMPANYING PLAN APPROVAL TO INSTALLER PRIOR TO START OF CONSTRUCTION. SAID INFORMATION SHALL REMAIN ON SITE DURING ENTIRE CONSTRUCTION PERIOD AND RETURNED TO THE OWNER UPON COMPLETION OF ISDS INSTALLATION.
 - OWNER / APPLICANT'S SIGNING OF APPLICATION SHALL BE CONSIDERED PERMISSION TO INSPECT THE ABOVE SITE AT ANY TIME AFTER START OF CONSTRUCTION BEGINS TO ENSURE PROPER INSTALLATION PROCEDURES & FUNCTIONING OF ISDS SYSTEM.
 - THE ABOVE INFORMATION ARE MINIMUM REQUIREMENTS AND SHALL BE REVISED AS THE DESIGNER DEEMS NECESSARY FOR PROPER FUNCTIONING OF THE SHOWN ISDS DESIGN.

● = Permanent Buffer Markers per RIDEM

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
OWTS & FRESHWATER WETLANDS
JOINT PERMIT APPROVAL
OWTS# 9532-0339 PWW# 22-0167
APPROVED: [Signature] DATE: 4/28/22
No Changes Allowed Without RIDEM Approval
Approved Plans/Permit Must Be Kept at Construction Site

PARCEL APPLICANT/OWNER
MIA REALTY LLC
55 FRIENDSHIP STREET
EAST GREENWICH, RI 02818

SYSTEM DESIGNER
HARRY A. MILLER, JR.
ALPHA ASSOCIATES, LTD.
35 ROCKY HOLLOW ROAD
EAST GREENWICH, RI 02818
PH. 401.84.8508 / F.401.884.7747

PROJECT BIOLOGIST
ECOTONES, INC
KEVIN FETZER
P.O. BOX 1131
EAST GREENWICH, RI 02818
PH. 401.256.5199 / F.401.256.5191

PARCEL ZONING
79,092 S.F.

PARCEL ZONING
ZONE R-80
FRONT YARD 50'
SIDE YARD 40'
REAR YARD 50'

CERTIFICATION:
THIS PLAN AND UNDERLYING SURVEY PRODUCT, WAS PREPARED FOR THE EXCLUSIVE USE OF THE PERSON, PERSONS, OR ENTITY NAMES IN THIS CERTIFICATION. SAID CERTIFICATION DOES NOT EXTEND TO ANY UN-NAMED PERSON, PERSONS, OR ENTITY WITHOUT AN EXPRESS RE-CERTIFICATION BY THE SURVEYOR OF RECORD NAMING SAID PERSON, PERSONS, OR ENTITY.

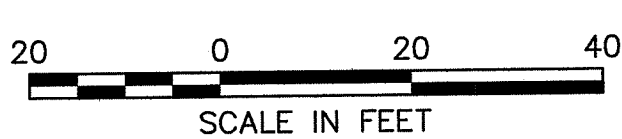
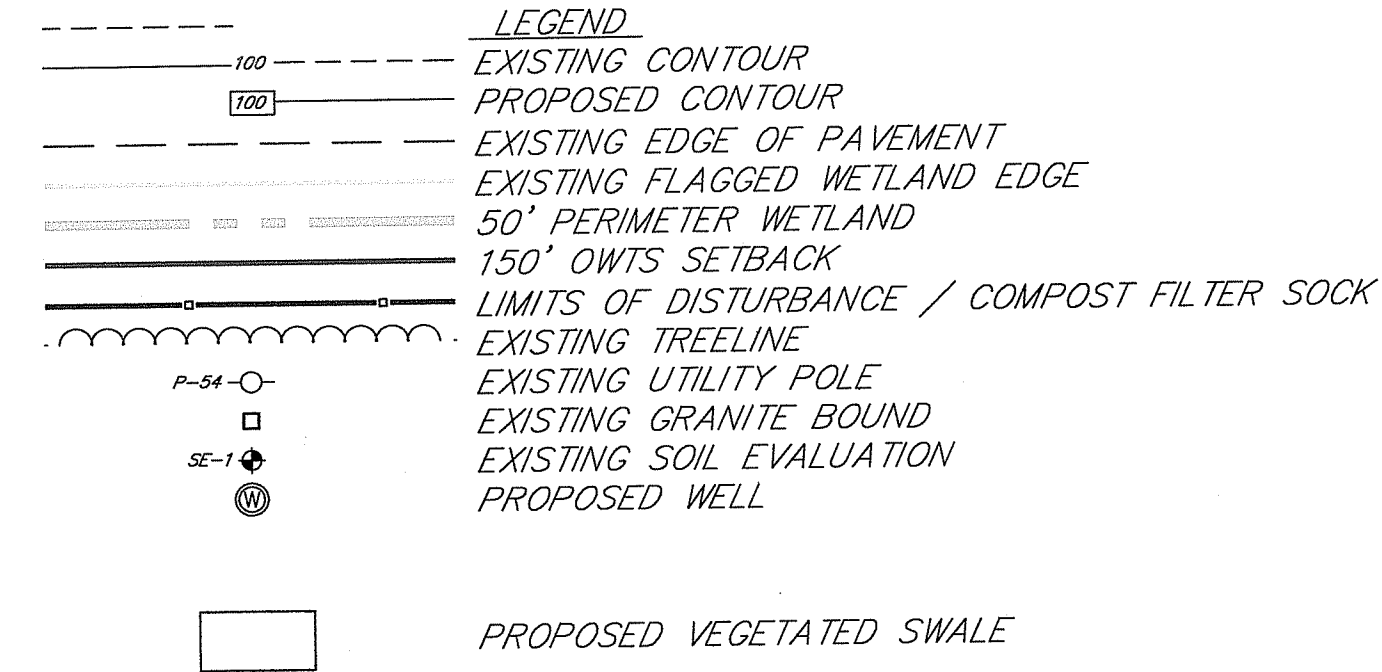
TO MIA REALTY LLC, IT IS HEREBY CERTIFIED THAT THIS SURVEY AND BEEN CONDUCTED AND THIS PLAN HAS BEEN PREPARED PURSUANT TO 435-RICR-00-00-1.9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

NOT A BOUNDARY SURVEY CLASS "III"
TOPOGRAPHIC SURVEY T-3

FURTHER, THE INFORMATION DEPICTED ON HEREOF WAS OBTAINED FROM FIELD OBSERVATIONS MADE ON THE SITE IN FOR THE PURPOSE OF THE CONDUCT OF A SURVEY FOR THE PREPARATION OF AN OWNER'S DESIGN.

HARRY A. MILLER, JR. No. 1967
COA: LS-A101

HARRY A. MILLER, JR.
No. 1967
PROFESSIONAL LAND SURVEYOR
D2101



PROPOSED O.W.T.S.
ASSESSORS PLAT 8, LOT 15
OPPOSITE POLE 22, JINGLE VALLEY ROAD
SOUTH KINGSTOWN, RHODE ISLAND
PREPARED BY: MIA REALTY LLC
PREPARED BY: ALPHA ASSOCIATES, LTD.
35 ROCKY HOLLOW ROAD
EAST GREENWICH, RI 02818
SCALE: 1"=20' JULY, 2021 SHEET 1 OF 2 REV: 4/19/22

Environmental Management
4/19/22

MAINTENANCE NOTES

1. THE SEPTIC TANK, ADVANTEX SYSTEM, SAND FILTER AND PUMP SYSTEMS SHALL BE INSPECTED AND MAINTAINED AT A MINIMUM TWICE ANNUALLY.
2. INSPECTION AND MAINTENANCE SHALL BE PERFORMED IN CONFORMANCE WITH THE PROCEDURES SPECIFIED IN THE SYSTEM OPERATION AND MAINTENANCE MANUAL.
3. SAND FILTER AND ADVANTEX PIPING SHALL BE FLUSHED AND CLEANED AS REQUIRED. ORIFICES SHALL BE CHECKED FOR PLUGGING AND SQUIRT HEIGHT MEASURED. SQUIRT HEIGHT SHOULD BE 2" MINIMUM FOR THE BOTTOMLESS SAND FILTER AND 5" MIN. FOR THE ADVANTEX.
4. PUMP VAULT SCREEN SHALL BE RAISED AND CLEANED BY FLUSHING WITH A HOSE INTO THE TANK.
5. PUMP, FLOAT ASSEMBLY AND CONTROL PANEL SHALL BE CHECKED FOR PROPER OPERATION AND CYCLE TIMING.
6. DATE, ELAPSED TIME AND EVENT COUNTER METER READINGS SHALL BE RECORDED. AVERAGE DAILY PUMP RUNS SHALL BE CALCULATED AND CHECKED FOR CONFORMANCE TO DESIGN PROGRAM. TIMER ADJUSTMENTS SHALL BE MADE AS REQUIRED.
7. SCUM AND SLUDGE DEPTHS IN THE TANK SHALL BE MEASURED AND RECORDED ANNUALLY. THE TANK SHALL BE PUMPED IF THE SCUM DEPTH EXCEEDS 6" OR THE SLUDGE DEPTH EXCEEDS 12".
8. ALL MAINTENANCE SHALL BE PERFORMED BY A QUALIFIED SAND FILTER AND ADVANTEX MAINTENANCE CONTRACTOR.

ADVANTEX AX20-3B NOTES

1. SEPTIC TANK SHALL BE 1,500 GALLON TWO COMPARTMENT PRECAST CONCRETE TANK TESTED AND CERTIFIED WATER TIGHT BY THE MANUFACTURER.
2. PUMP VAULT SHALL BE ORENCO SYSTEMS MODEL PVJ 57-2419 BIOTUBE PUMP VAULT.
3. EFFLUENT PUMPS SHALL BE ORENCO SYSTEMS MODEL P3005 & PKP350 (REFER TO PLAN).
4. DISCHARGE ASSEMBLY SHALL BE ORENCO SYSTEMS MODEL HV150 BX-DB.
5. FLOAT ASSEMBLY SHALL BE ORENCO SYSTEMS MODEL MF3V.
6. CONTROL PANEL AND ALARM SHALL BE ORENCO SYSTEMS MODEL V00M-AX20 WITH ELAPSED TIME METER, EVENT COUNTER AND PROGRAMMABLE TIMER OPTIONS.
7. P.V.C. RISER MANHOLES SHALL BE ORENCO SYSTEMS MODEL RR24 RISERS, MODEL FL24-G LIDS WITH 2" FOAM INSULATION AND MODEL PRT24 TANK ADAPTERS.
8. RECIRCULATING SPLITTER VALVE RSV2Q AND ADVANTEX AX20-3B SHALL BE SUPPLIED BY ORENCO SYSTEMS.
9. ALL COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND THESE PLANS.
10. PROGRAMMABLE TIMER SHALL BE SET FOR PUMP ON TIME OF 18 SECONDS AND PUMP OFF TIME OF 15.7 MINUTES.
11. HIGH WATER TIMER OVERRIDE SETTINGS SHALL BE : PUMP ON : 18 SEC. PUMP OFF : 7.8 MINUTES.
12. ALL COMPONENTS AND INSTALLATION MUST BE INSPECTED AND APPROVED BY THE DESIGNER. ANY COMPONENT SUBSTITUTION MUST BE PRE-APPROVED BY THE DESIGNER.
13. THE CONTROL PANEL, SPLITTER VALVE AND PUMP FLOATS SHALL BE SET BY THE DESIGNATED REPRESENTATIVE OF ORENCO SYSTEMS, INC.

I.S.D.S. NOTES:

1. CLEAR AND REMOVE ALL BRUSH AND TREES 10' AROUND SYSTEM.
2. NO EXIST. OR PROP. WELLS, WATERCOURSES OR DRAINS WITHIN 200' OF SYSTEM NOR PUBLIC WELLS WITHIN 500' OF SYSTEM, EXCEPT AS NOTED.
3. NO SEWAGE SYSTEM WITHIN 100' OF WELL, EXIST. OR PROPOSED.
4. MIN. DISTANCE FROM LEACHING AREA TO SUBSURFACE DRAIN, FOUNDATION DRAIN, & WATER SUPPLY LINE = 25'(EXIST. OR PROP.).
5. ALL WORK SHALL CONFORM TO THE RIDEM GUIDELINES FOR THE DESIGN, USE AND MAINTENANCE OF PRESSURIZED DRAINFIELDS DATED NOVEMBER, 2013
6. ALL MANHOLES TO COVER SHALL HAVE GASKETED WATERTIGHT FIBERGLASS COVERS, GRADE SURFACE TO DRAIN AWAY FROM MANHOLES.
7. ALL PIPING SHALL BE INSTALLED AT CONTINUOUS SLOPE WITH NO SAGS OR HIGH POINTS.

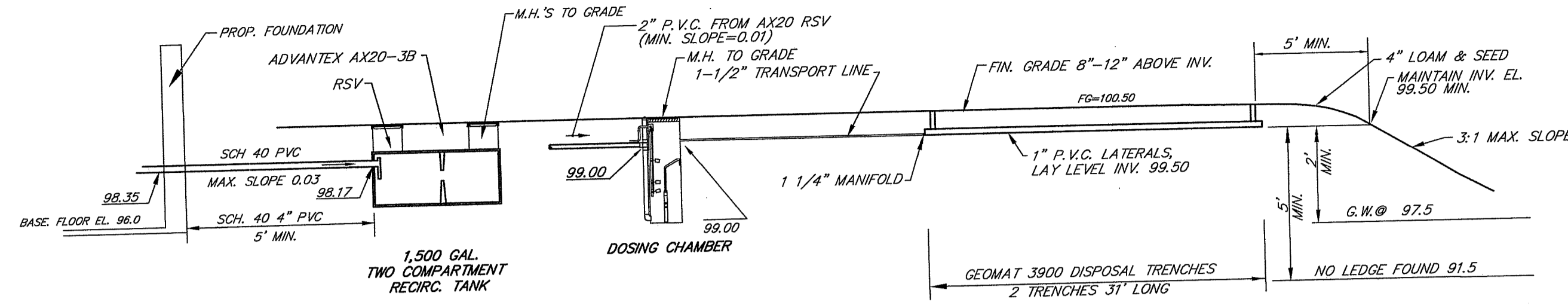
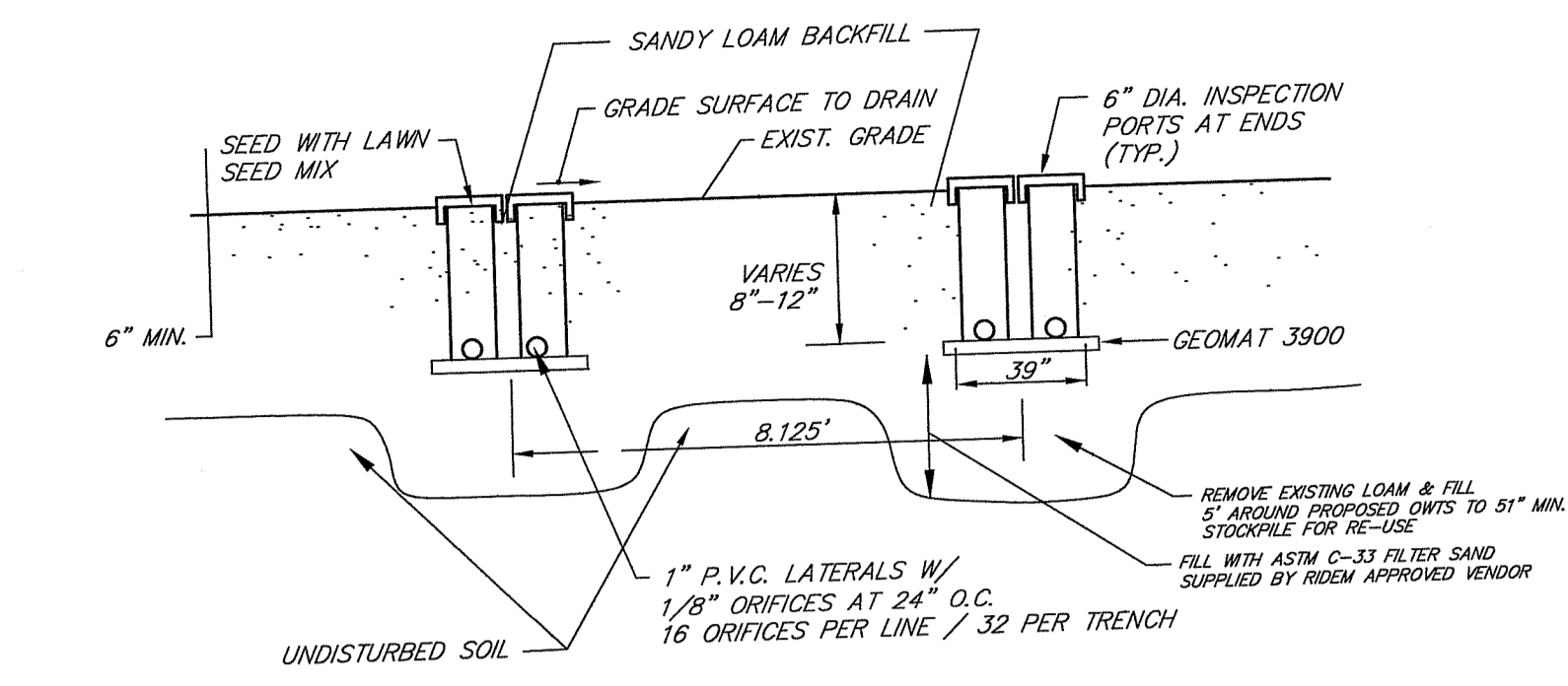
SHALLOW TRENCH CONSTRUCTION NOTES

1. DISTRIBUTION PIPING SHALL BE SCH. 40 P.V.C. PRESSURE PIPE.
2. HEAVY CONSTRUCTION EQUIPMENT SHALL NOT BE ALLOWED WITHIN THE DISPOSAL FIELD AREA.
3. DISPOSAL TRENCHES SHALL BE EXCAVATED 42" WIDE AND GRADED LEVEL AT THE INV. ELEVATION.
4. SANDY LOAM SHALL BE SPREAD TO FINISH GRADE AND SEED.

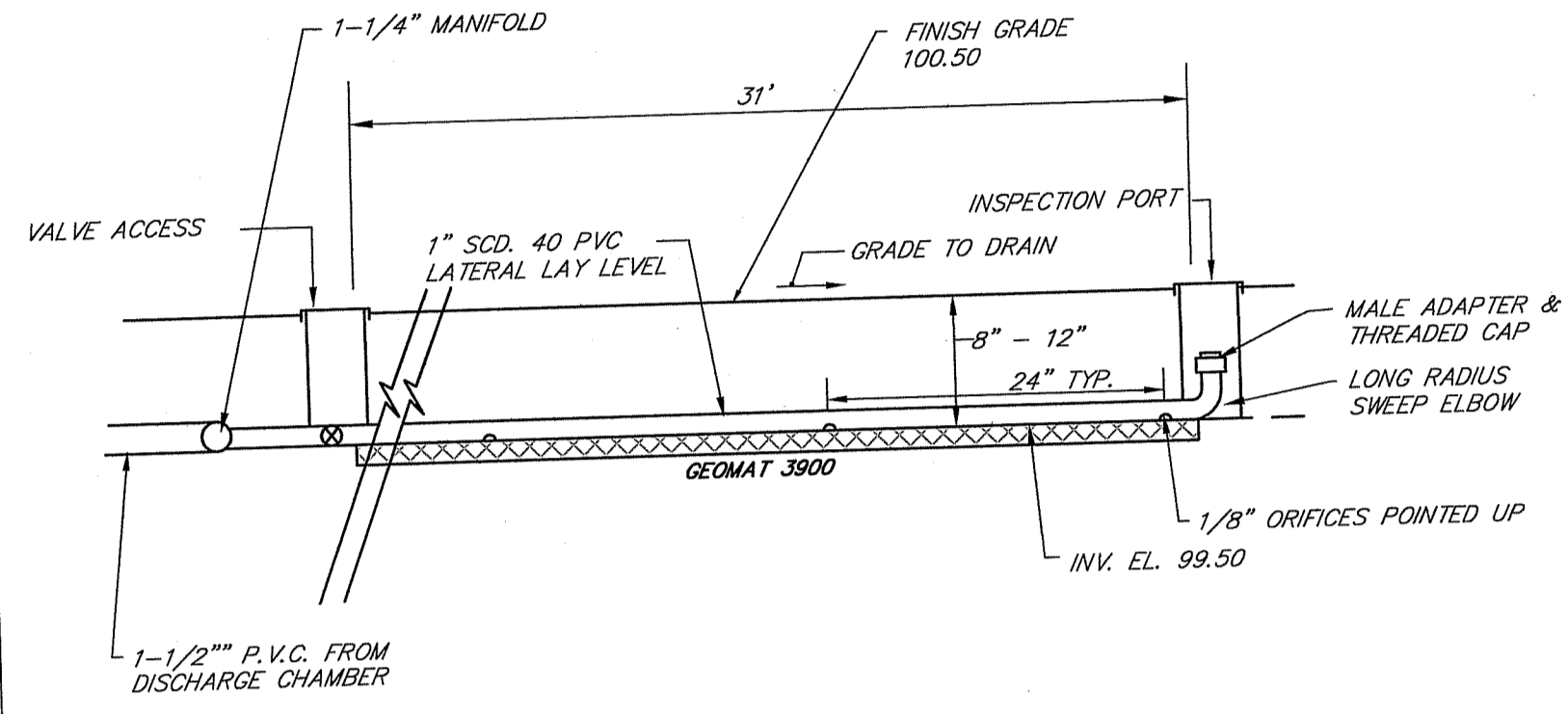
PROPOSED OWTS DETAILS

ASSESSORS PLAT 8, LOT 15
 OPP. POLE 22, JINGLE VALLEY ROAD
 SOUTH KINGSTOWN, RHODE ISLAND
 PREPARED FOR:
 MIA REALTY LLC

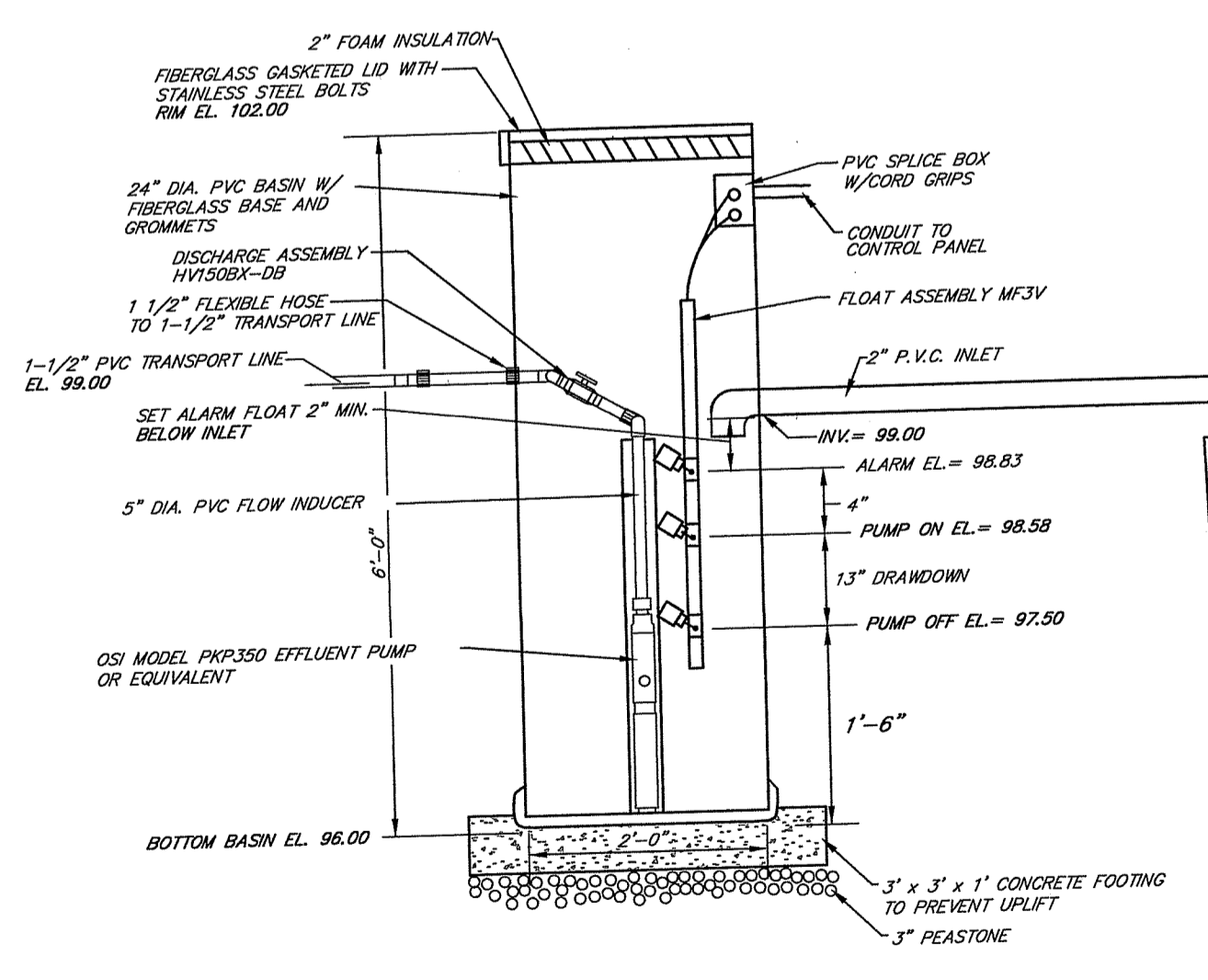
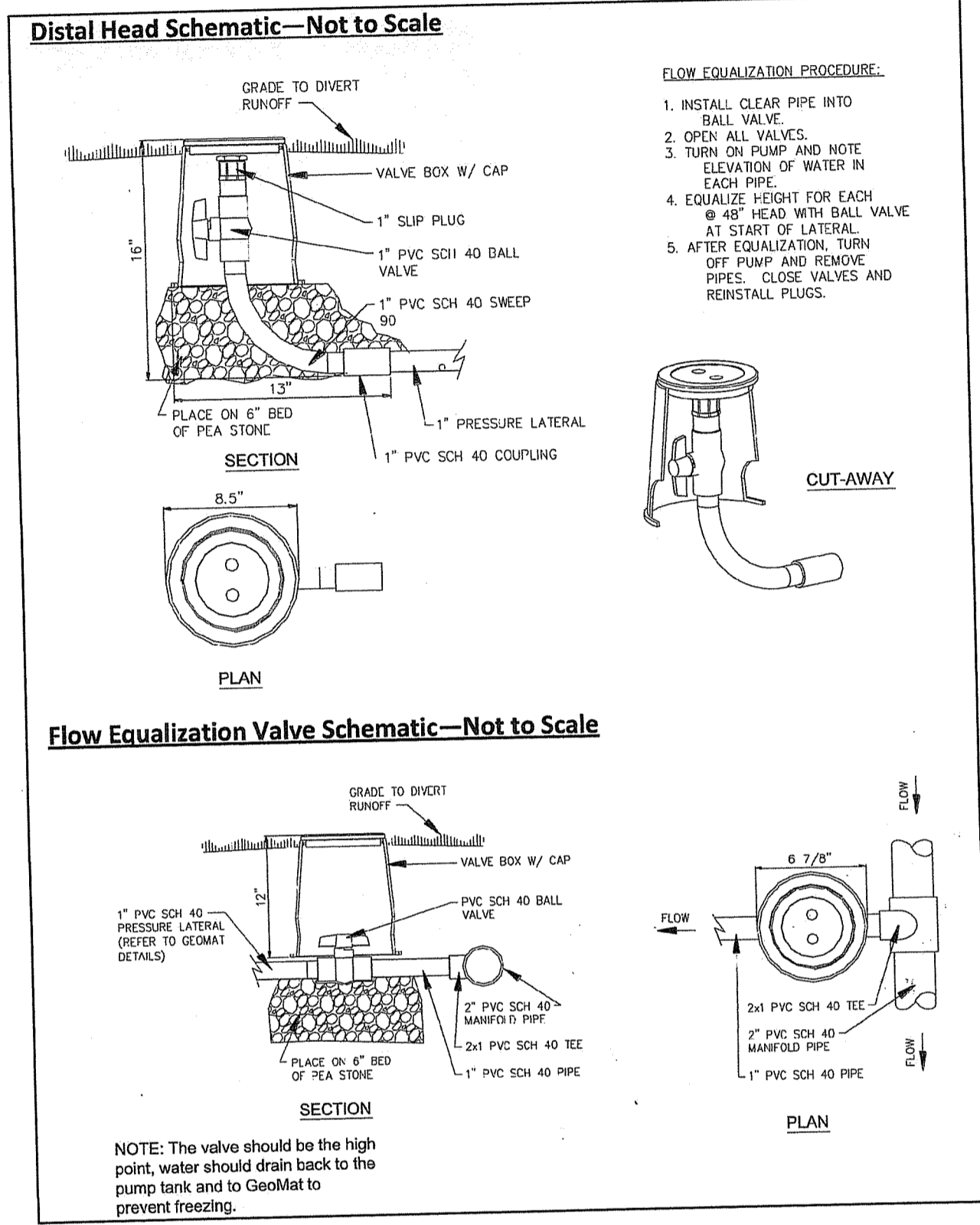
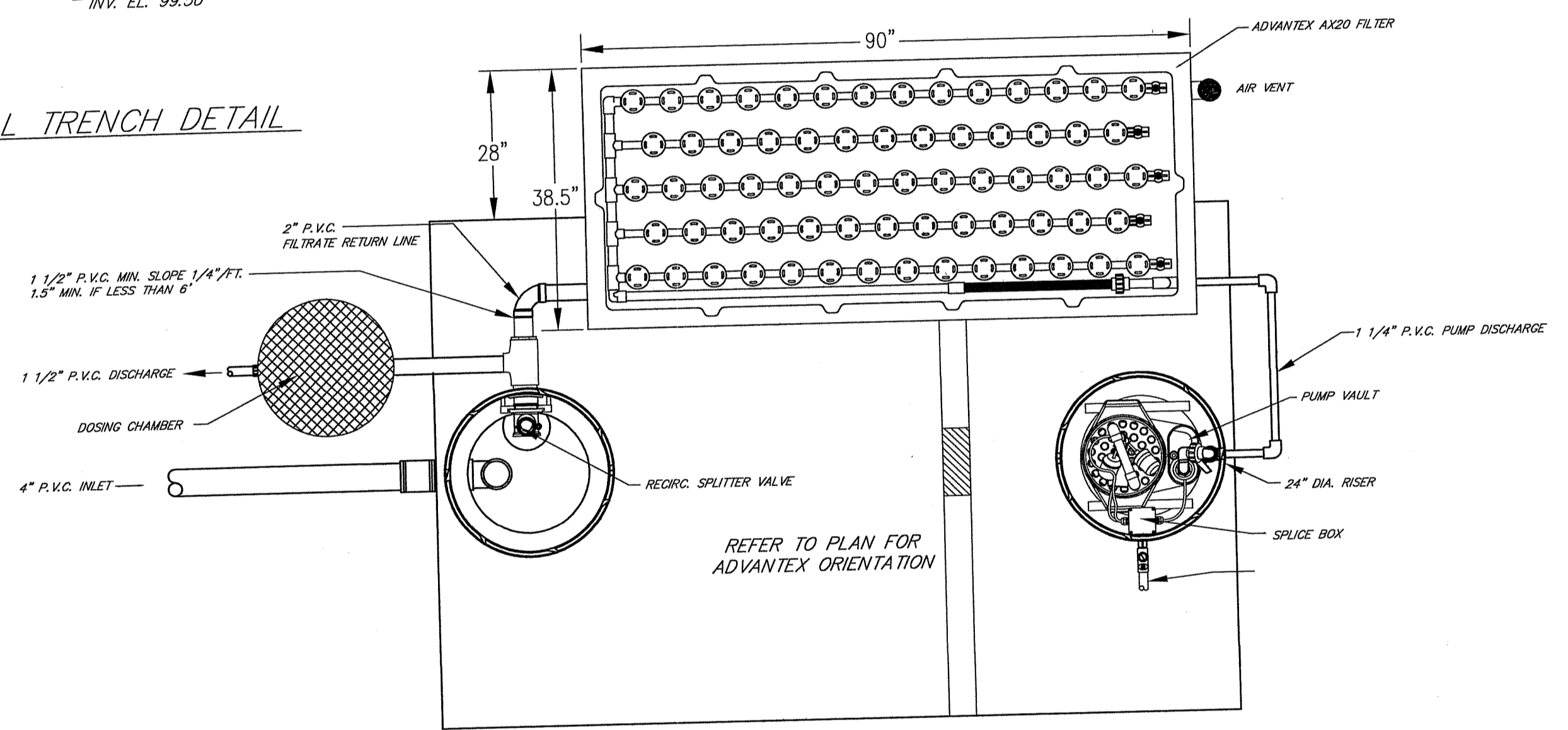
DETAIL SHEET



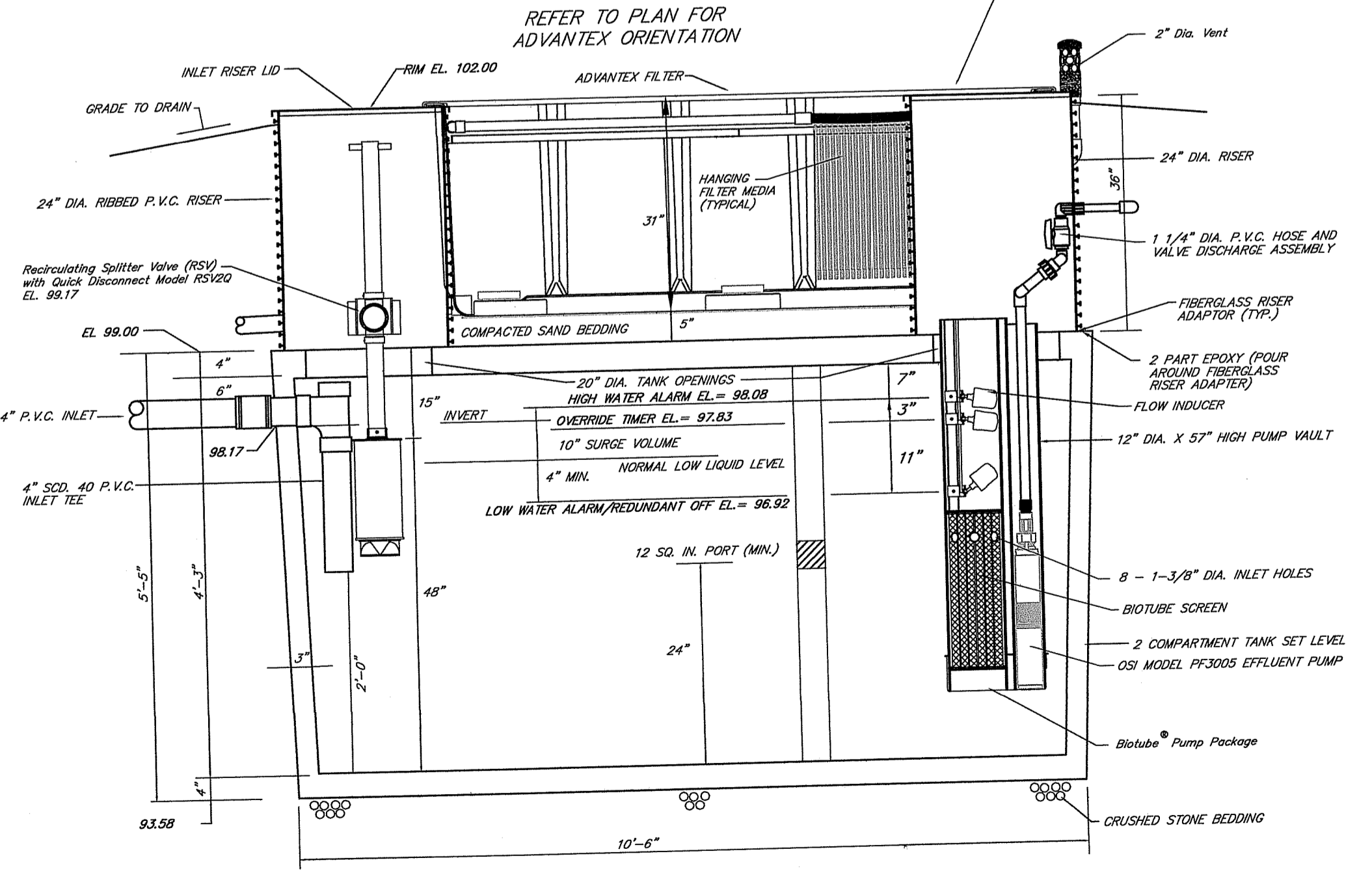
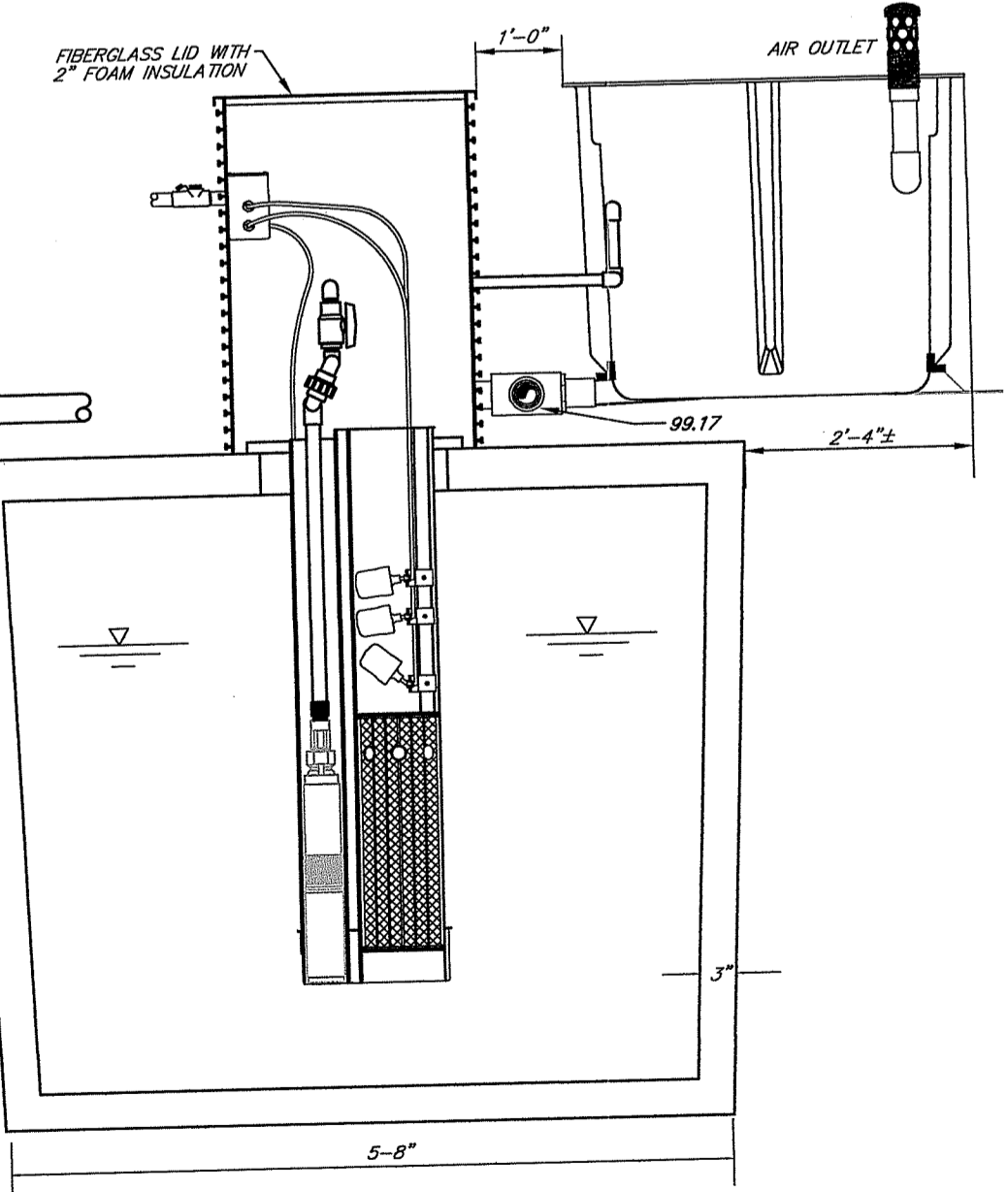
TYPICAL LEACHING SYSTEM
SCALE: NO SCALE



GEOMAT SHALLOW DISPOSAL TRENCH DETAIL
NOT TO SCALE



DOSING CHAMBER
NOT TO SCALE



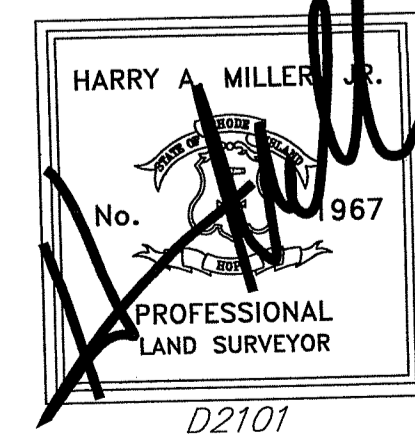
1,500 GALLON RECIRCULATING TANK AND ADVANTEX AX20-3B TREATMENT UNIT
NOT TO SCALE

HOLLISTON SAND CO., INC.
 1171 ROAD P.O. BOX 393
 SLATERSVILLE, R.I. 02876
 401-766-5010

ORENCO SYSTEMS, INC.
 814 AIRWAY AVE.
 SUTHERLIN OR. 97479
 800-348-9843

ORENCO DISTRIBUTOR
 WASTEWATER TECHNOLOGIES, INC.
 80 KILVERT STREET
 WARWICK, RI 02888
 401-737-7810

ORENCO DISTRIBUTOR
 ATLANTIC SOLUTIONS, INC.
 15 CLINTON STREET
 NEWPORT, R.I. 02840
 401-849-2837



D2101