

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED FEB 14 2019 FILE # 18-0129
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

REVISION	DATE	DESCRIPTION
5-14-18	5-14-18	SHORTEN CULVERT, NARROW DRIVE & REDUCE L.O.D.
7-16-18	7-16-18	REDUCE L.O.D. IN RIVERBANK WETLAND

OWNER & APPLICANT
 JASON W. & ERICA C. CLAVET
 441 ROCKLAND ROAD
 NORTH SCITUATE, RI 02887

PROPOSED LOT DEVELOPMENT
 ASSESSOR'S PLAT 50 LOT 6
 POLE 13 ROLLING GREEN DRIVE
 SCITUATE, RI

S.F.M. ENGINEERING ASSOCIATES
 410 TOOGLE AVENUE
 COVENTRY, RI 02816
 PHONE: 401-826-3736
 FAX: 401-826-1711
 SCOTT.SFM@T.LANTICBBE.NET

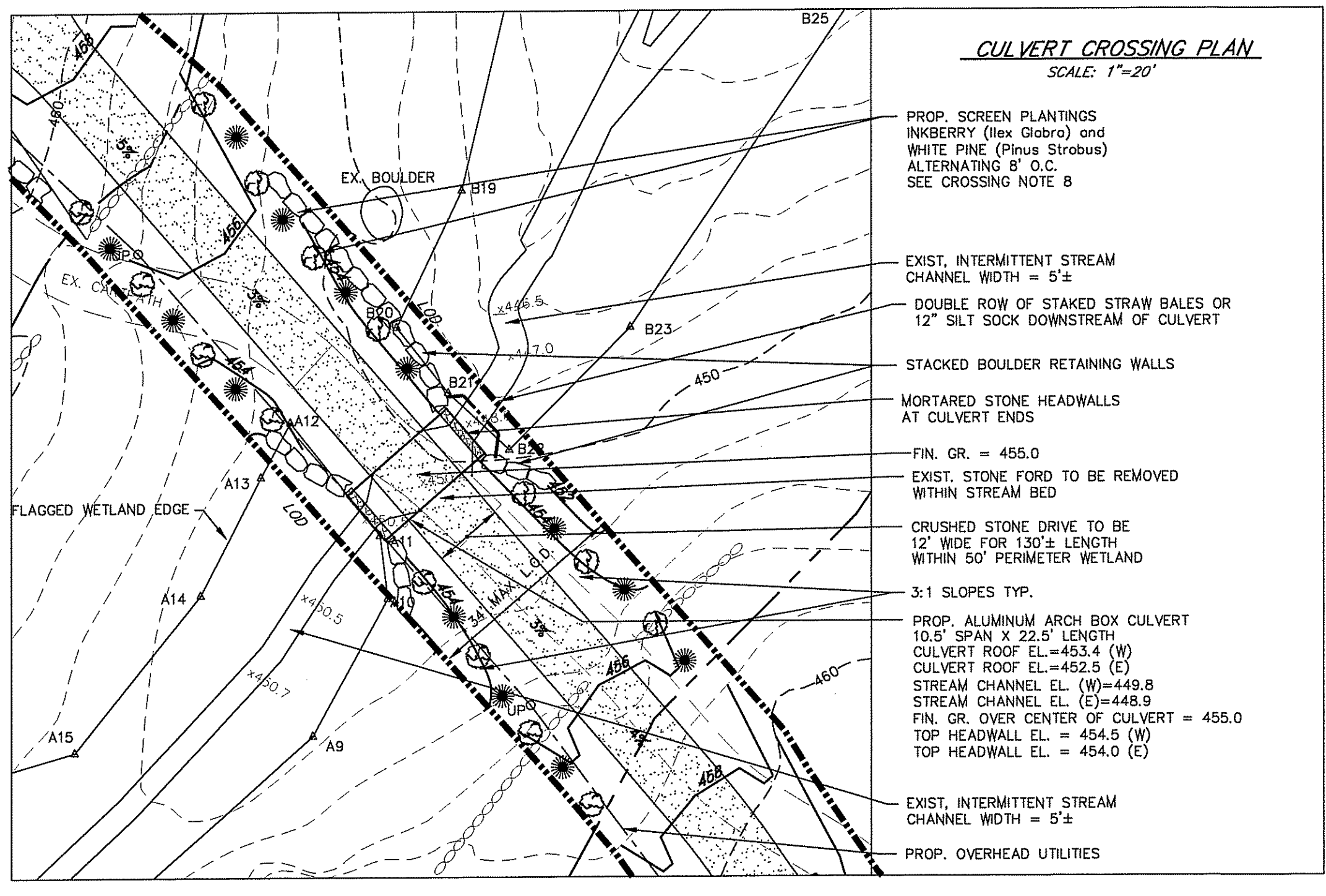
DRN. BY: SFM
 CHK. BY: JZL
 SCALE: 1" = 40'
 DATE: FEB. 16, 2018
 DWG: SFM849-GP-C
 SHEET 2 OF 4
 PERMITTING SUBMISSION

CROSSING NOTES:

- NO WORK IS ALLOWED WITHIN THE WETLANDS EXCEPT AS SPECIFICALLY SHOWN. ALL WORK SHALL BE ACCURATELY LOCATED AND CONSTRUCTION STAKED PRIOR TO COMMENCEMENT OF ANY WORK.
- INSTALLATION OF THE DRIVEWAY CROSSING & CULVERT SHALL BE LIMITED TO THE PERIOD OF LOW FLOW, JULY 1 TO OCTOBER 31 AND SHALL BE SCHEDULED WHEN NO SIGNIFICANT RAIN IS FORECAST. SHOULD SIGNIFICANT RAIN BE FORECAST DURING CULVERT INSTALLATION, ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTALLED AS REQUIRED TO PREVENT EROSION OF THE STREAM CHANNEL.
- EROSION CONTROLS SHALL BE INSTALLED PRIOR TO ANY EXCAVATION AND SHALL BE MAINTAINED UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED AT WHICH TIME THEY SHALL BE REMOVED.
- ALL DISTURBED AREAS NOT RIP-RAPPED SHALL BE RESTORED WITH 4" LOAM, CONSERVATION GRASS SEED AND STRAW MULCH.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE R.I.D.E.M. APPROVED WETLAND PERMIT PLAN, CONDITIONS AND REGULATIONS.
- EXCAVATION EQUIPMENT MUST WORK FROM THE EXISTING CART PATH EQUIPMENT IS NOT ALLOWED IN THE WOODED SWAMPS OR STREAM.
- WORK WITHIN THE WOODED SWAMPS FOR CLEARING OR CONSTRUCTION SHALL BE LIMITED TO THE ABSOLUTE MINIMUM NECESSARY.
- AN ALTERNATING ROW OF INKBERRY (*Ilex Glabra*) AND WHITE PINE (*Pinus Strobus*) 3'-4" TALL AFTER PLANTING, SHALL BE PLANTED 8' O.C. 6" OFF THE EDGE OF DRIVE WITHIN THE 50' PERIMETER WETLAND. 28 PLANTS REQUIRED (MIN.).
- SEE ADDITIONAL NOTES AND DETAILS ON SHEET C3.

LEGEND

- EXIST. STONE WALL
- 460 EXIST. CONTOUR
- 460 PROP. CONTOUR
- EXIST. UTILITY POLE
- SOIL EVALUATION TH
- EDGE OF STREAM
- FLAGGED WETLAND EDGE
- 200' RIVERBANK WETLAND
- PROP. LIMIT OF DISTURBANCE
- PROP. BOULDER RET. WALL
- EXIST. SPOT ELEVATION
- PROP. SPOT ELEVATION

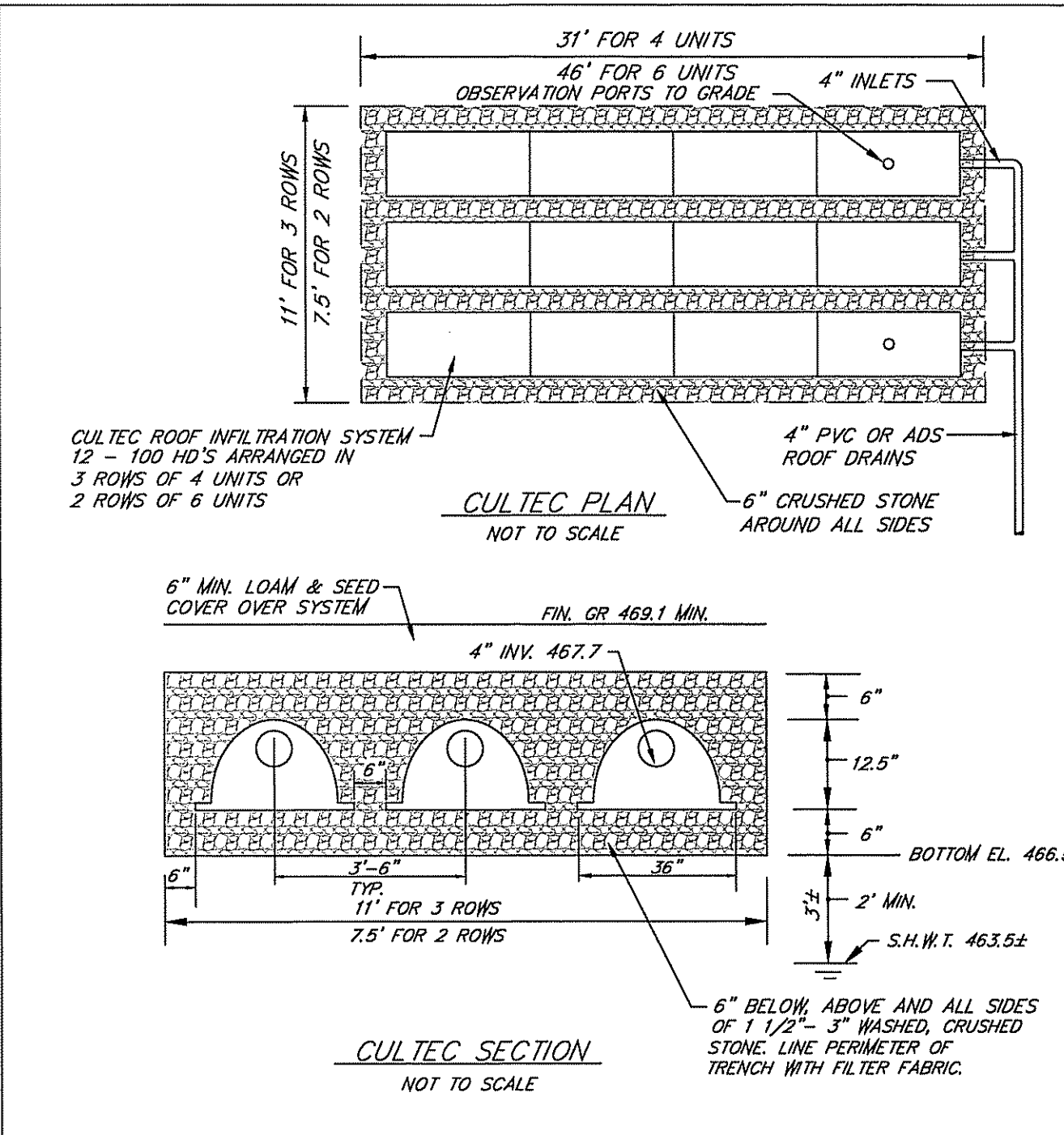


GENERAL NOTES

- PROPERTY LINE AND TOPOGRAPHIC INFORMATION FROM PLANS PREPARED BY SCITUATE SURVEYS, INC. ELEVATION DATUM IS NAVD83.
- WETLANDS DELINEATION PERFORMED BY NATURAL RESOURCE SERVICES, INC.
- PER FEMA FLOOD INSURANCE RATE MAP 44007C0385G, DATED MAR. 2, 2009, THE SITE IS WITHIN A FLOOD HAZARD ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.
- A 100 YEAR FLOOD FLOW HAS BEEN CALCULATED FOR THE INTERMITTENT STREAM AT THE DRIVEWAY CROSSING FOR THE SOLE PURPOSE OF SIZING THE PROPOSED CULVERT.
- STRAW BALE, SILT SOCK OR SILT FENCE EROSION CHECKS SHALL BE INSTALLED AT ALL DOWNGRADIENT LIMITS OF DISTURBANCE FOR DRIVEWAY AND SITE DEVELOPMENT PRIOR TO CONSTRUCTION. THE TOTAL PROP. AREA OF DISTURBANCE IS 2.16± ACRES. THE AREA OF DISTURBANCE WITHIN JURISDICTIONAL WETLANDS IS 7,870 S.F.
- PROP. HOME TO BE SERVICED WITH OVERHEAD ELECTRIC, TELEPHONE & CABLE SERVICES MOUNTED ON NEW POLES.
- PROPOSED DRIVEWAY SHALL BE PRIVATE. DRIVEWAY SHALL TYPICALLY BE 18' WIDE CRUSHED STONE AND SHALL NARROW TO 12' WIDE AT THE STREAM CROSSING.
- ALL NEW ROOF RUNOFF SHALL BE PIPED TO THE ROOF INFILTRATION SYSTEM.
- A DEM FRESHWATER WETLANDS PERMIT WILL BE REQUIRED. ALL SITE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THIS PERMIT. NO TREE CLEARING OR SITE DISTURBANCE IS ALLOWED WITHIN JURISDICTIONAL WETLANDS EXCEPT AS SPECIFICALLY SHOWN ON THE DEM APPROVED PLANS.
- EXISTING STONE WALLS SHALL BE PRESERVED TO THE EXTENT POSSIBLE, WALLS DISTURBED BY SITE CONSTRUCTION SHALL BE REBUILT ALONG DRIVEWAYS.

STORMWATER MITIGATION NOTES

- THE ROOF INFILTRATION SYSTEMS ARE DESIGNED TO MITIGATE THE WATER QUALITY VOLUME BASED ON A ROOF AREA UP TO 4,650 S.F. A LARGER ROOF AREA WILL REQUIRE REDESIGN OF STORMWATER MITIGATION.
- PROPOSED ROOF INFILTRATION SYSTEM SHOWN CONSISTS OF TWELVE CULTEC UNITS.



INFILTRATION SYSTEM NOTES

- CULTEC SYSTEM LOCATIONS AND ELEVATIONS MUST BE SET AND VERIFIED BY THE PROJECT SURVEYOR.
- CULTEC SYSTEM INSTALLATION MUST BE INSPECTED BY THE PROJECT ENGINEER.
- ALL ROOFS AND IMPERVIOUS PATIO AREAS SHALL BE CONNECTED TO THE INFILTRATION SYSTEM.
- INFILTRATION SYSTEM CHAMBERS SHALL BE CULTEC RECHARGER 100 HD UNITS WITH 6" OF STONE BELOW ABOVE AND ON ALL SIDES.
- STONE AROUND INFILTRATORS SHALL BE 1 1/2" TO 3" WASHED CRUSHED STONE.
- FILTER FABRIC LINER SHALL BE MIRAFI 180-N 4 OR AMOCO 4552 OR EQUAL.
- ROOF DOWNSPOUT DRAINS SHALL BE 4" PVC OR ADS AT MIN. SLOPE = .01

MAINTENANCE NOTES

- THE CULTEC CHAMBERS SHALL BE PERIODICALLY INSPECTED AND MAINTAINED DURING CONSTRUCTION AND A MINIMUM OF THICE PER YEAR UPON COMPLETION OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION AND MAINTENANCE OF ALL DRAINAGE FACILITIES, AS PER THEIR RESPECTIVE PROGRAMS, UNTIL FINAL ACCEPTANCE BY THE OWNER.
- UPON FINAL ACCEPTANCE, THE OWNER SHALL BE RESPONSIBLE FOR ALL DRAINAGE INSPECTION AND MAINTENANCE.
- ANY INADVERTENT OR DELIBERATE DISCHARGE OF WASTE OIL OR ANY OTHER POLLUTANT TO THE STORMWATER DISPOSAL SYSTEM REQUIRES IMMEDIATE NOTIFICATION OF THE RIDEM-LIC PROGRAM.
- ANY INCIDENT OF GROUNDWATER CONTAMINATION RESULTING FROM THE IMPROPER DISCHARGE OF CONTAMINANTS TO THE DISPOSAL SYSTEM SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER. THE RIDEM WILL REQUIRE THE PROPERTY OWNER TO REMEDIATE ANY INCIDENTS THAT MAY ADVERSELY IMPACT THE QUALITY OF THE GROUNDWATER.

