

SEPTIC TANK NOTES:
 ALL SEPTIC TANKS WILL COMPLY WITH RULE 26 OF THE RULES ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION DESIGN CONSTRUCTION AND MAINTENANCE OF ON-SITE WASTEWATER TREATMENT SYSTEMS, DATED JANUARY 1, 2008. THIS REQUIREMENT SHALL TAKE EFFECT JANUARY 1, 2009.

DISTRIBUTION BOX NOTE:
 ALL DISTRIBUTION BOXES WILL COMPLY WITH RULE 26 OF THE RULES ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION DESIGN CONSTRUCTION AND MAINTENANCE OF ON-SITE WASTEWATER TREATMENT SYSTEMS, DATED JANUARY 1, 2008. THIS REQUIREMENT SHALL TAKE EFFECT JANUARY 1, 2009.

OWTS NOTES & CONDITIONS:
 NOT WATER SERVICE AREA: WELL REQUIRED.
 THERE ARE NO PROPOSED OR EXISTING SEPTIC SYSTEMS WITHIN 200' OF PROPOSED WELL, EXCEPT AS SHOWN.
 THERE ARE NO PROPOSED OR EXISTING WELLS FOR HUMAN CONSUMPTION WITHIN 200 FEET OF PROPOSED SEPTIC SYSTEM UNLESS SHOWN HEREON.
 THERE ARE NO EXISTING OR PROPOSED PUBLIC WELLS WITHIN 500 FEET OF THIS PROPOSED SEPTIC SYSTEM.
 ALL PROPOSED AND EXISTING GRAINS WITHIN 200 FEET OF PROPOSED TRENCHES ARE SHOWN.
 THERE ARE NO EXISTING OR PROPOSED DRAINS WITHIN 25 FEET OF PROPOSED TRENCHES.
 ALL PIPING TO BE SCHEDULE 35, UNLESS OTHERWISE NOTED.
 1500 GALLON SEPTIC TANK, MANHOLES (2) PLACED TO GRADE.
 DISTRIBUTION BOX H-20 WHEEL LOADING, ACCESS COVER TO GRADE.
 REFER TO PROFILE AND TYPICALS FOR ADDITIONAL DATA.
 THIS DESIGNER IN NO WAY GUARANTEES SOIL CONDITIONS BEYOND THE LOCATION OF SHOWN TESTING. ANY SOIL CHANGES, FILL, LEDGE OR DISCREPANCIES IN REPORTED DATA SHALL BE FORWARDED TO THIS DESIGNER AND THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT ISDS DIVISION, IN WRITING, PRIOR TO COMMENCING CONSTRUCTION OF THE SHOWN SYSTEM.
 THE INSTALLER SHALL NOTIFY DESIGNER OF RECORD TO (TEN) DAYS PRIOR TO INSTALLATION OF THIS SYSTEM IF ITEM E OF ISDS APPLICATION IS CIRCLED. HE SHALL NOTIFY DESIGNER 24 HOURS PRIOR TO REQUIRED INDIVIDUAL INSPECTIONS.
 THE INSTALLER SHALL REMIT ALL DEM ISDS INSPECTOR REQUESTS (INSPECTION REPORTS) TO DESIGNER OF RECORD WITHIN 24 HOURS OF RECEIPT. HE SHALL NOT COVER SYSTEM UNTIL AN AGENT OF DESIGNER HAS GIVEN COVER ORDER.
 THE OWNER SHALL BE RESPONSIBLE FOR PAYMENT OF ALL INSPECTIONS, AS-BUILT WORK AND AS-BUILT SUBMISSIONS.

- IN-DRAIN NOTES**
- ALL BRUSH AND TREES TO BE REMOVED A MINIMUM 10' A MINIMUM 10' DISTANT FROM LEACHING AREA.
 - THE LEACHFIELD AND FIVE (5') FEET BEYOND THE LEACHFIELD SHALL BE STRIPPED OF ALL TOPSOIL ("A" HORIZONS). IN ORDER TO AVOID COMPACTION OF THE "B" SOIL HORIZON (SUBSOIL), WHICH IS TO REMAIN, ONLY TRACKED VEHICLES SHALL BE ALLOWED IN THIS AREA. PROPERLY COMPACTED GRAVEL THAT MEETS THE REQUIREMENTS OF RULE 32.12 SHALL BE PLACED THROUGHOUT THE EXCAVATION TO AN ELEVATION THAT WILL BE 2 INCHES ABOVE THE TOP OF THE DISTRIBUTION LINES. DISPERSAL TRENCHES SHALL BE EXCAVATED OUT OF THE COMPACTED GRAVEL. THERE SHALL BE A MINIMUM SIX (6) INCH GRAVEL BASE MEETING THE REQUIREMENTS OF RULE 32.12 BELOW THE SAND.
 - PLACE A 6" MINIMUM LEVEL RAKED CONCRETE SAND BED OVER APPROVED GRAVEL BACKFILL TO ELEVATION.
 - PLACE IN-DRAINS, STRIPE SIDE UP, END TO END ON THE LEVEL RAKED SAND BED.
 - PLACE 4" PERFORATED PIPE OVER STRIPE ON IN-DRAINS. CONNECT MID-POINTS ON ROWS 40' OR LONGER.
 - SECURE PIPE WITH ONE ELJEN CLAMP PER IN-DRAIN. FORCE CLAMP THROUGH IN-DRAIN AND INTO THE SAND BED.
 - INSTALL ELJEN COVER FABRIC (FILTER FABRIC) OVER ROWS OF IN-DRAINS. DRAPE FABRIC STRAIGHT DOWN OVER PIPE AND SIDES OF IN-DRAINS. SECURE WITH HAND SHOVELED SAND. DO NOT BLOCK HOLES IN PERFORATED PIPE.
 - PLACE CONCRETE SAND A MINIMUM OF 6 INCHES AROUND THE SIDES OF THE IN-DRAINS.
 - BACKFILL WITH CLEAN MATERIAL DEVOID OF LARGE ROCKS TO A MINIMUM OF 1.5' AND MAXIMUM OF 2.5' ABOVE INVERT.
 - MAINTAIN INVERT ELEVATION 10 FEET DISTANT TO LEACHING AREA IN ALL DIRECTIONS TO EL. 92.5. MINIMUM UNLESS NOTED.
 - INSTALL ZABEL A1800 RESIDENTIAL SEPTIC TANK EFFLUENT FILTER (OR EQUAL) INSIDE SEPTIC TANK OUTLET TEE.

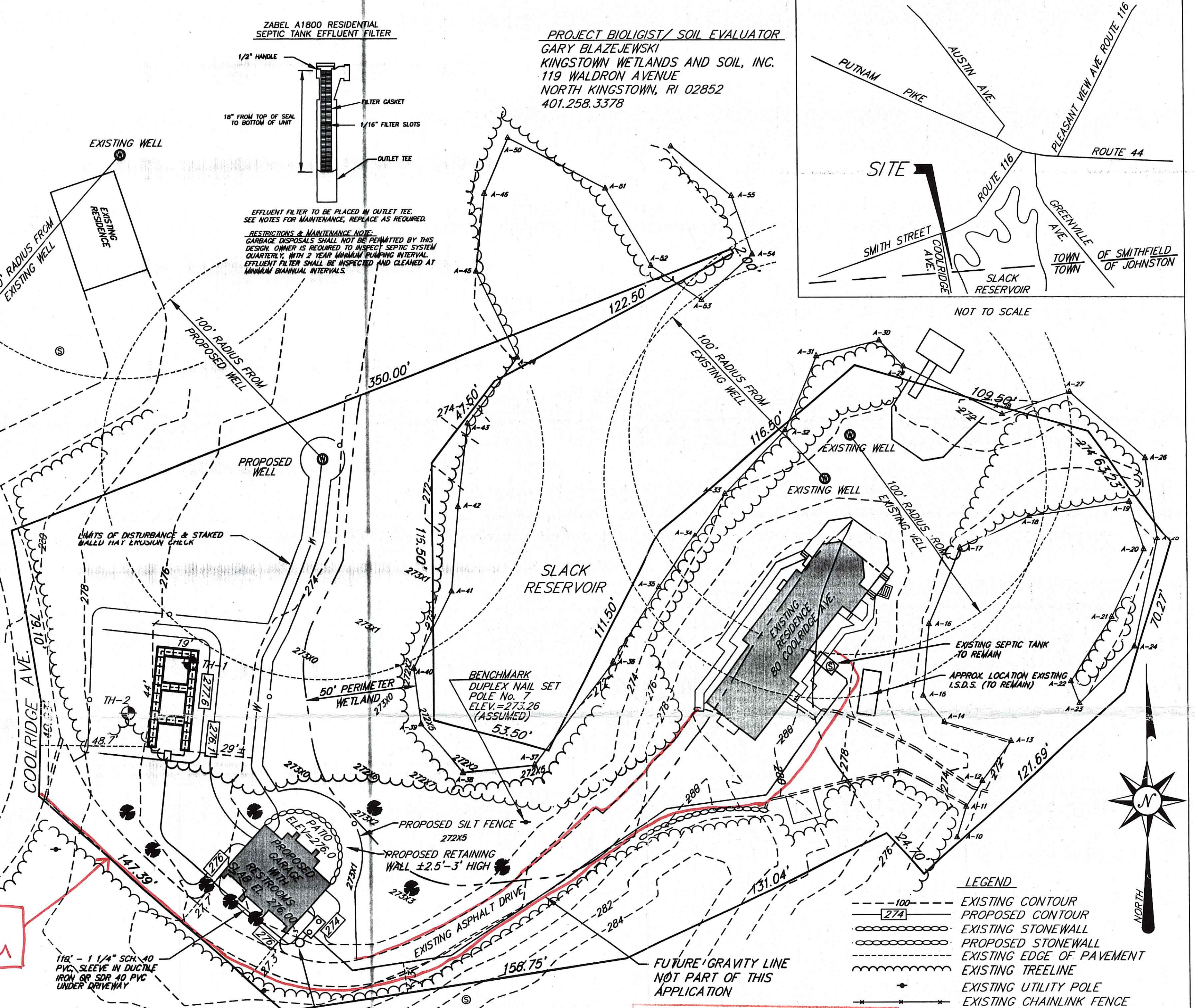
CONSTRUCTION NOTES:
 ALL CONSTRUCTION TO BE IN ACCORDANCE WITH RIDEM RULES AND REGULATIONS OF JANUARY 1, 2008, AS AMENDED.
 HEAVY EQUIPMENT SHALL NOT PASS OVER OWTS AREA. PAVEMENT, PARKING AND VEHICULAR TRAFFIC ARE PROHIBITED OVER OWTS UNLESS SPECIFIED BY DESIGN.
 NO TRACKED VEHICLES ALLOWED OVER SYSTEM AREA.

SEPTIC TANK NOTE:
 2 COMPARTMENT SEPTIC TANK TO BE PLACED ON STABLE LEVEL BASE WITH INLET & OUTLET TEES WITH MANHOLES PLACED TO GRADE.

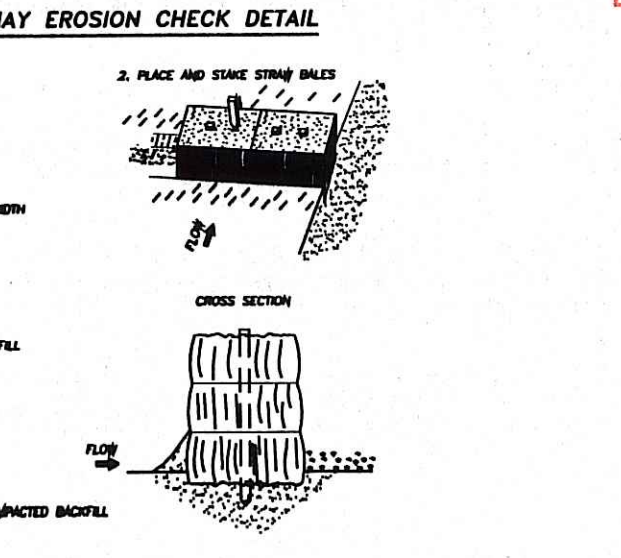
WELL TO SEPTIC TANK MINIMUM SEPARATION 75 FEET WATERLINE TO SEPTIC TANK MINIMUM SEPARATION 25 FEET.

DISTRIBUTION BOX NOTES:
 14-20 WHEEL LOADING DISTRIBUTION BOX WITH BAFFLE TO BE PLACED ON STABLE LEVEL BASE WITH ACCESS COVER TO GRADE. 3 S.F. MINIMUM BOTTOM AREA REQUIRED.
 WELL TO DISTRIBUTION BOX MIN. SEPARATION 75 FEET. WATERLINE TO DISTRIBUTION BOX MIN. SEPARATION 25 FEET. PIPING TO BE SOLID 4" SDR 35 PVC 2" MINIMUM TO OWTS.

LEACHFIELD AREA CALCULATIONS:
 TOTAL # OF BEDROOMS = 5
 5 x 115 GAL./BEDROOM = 575 TOTAL GAL./DAY
 SOIL CATEGORY 1 = LOADING RATE 0.70
 575 / 0.70 = 822 SF. REQUIRED
 TOTAL L.F. OF IN-DRAIN = 120 x 7 S.F./FT. = 840 S.F.



- 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 CONTRACTORS 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 OWTS 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 & OWTS LOCATION AND ELEVATION.
 - INSPECTION OF OWTS BOTTOM LEACHING AREA.
 - INSPECTION OF OWTS COMPONENTS & PERIMETER GRADING.
 - 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 APPROVAL SHALL REMAIN ON SITE DURING ENTIRE CONSTRUCTION PERIOD AND RETURNED TO THE OWNER UPON COMPLETION OF OWTS 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 OWTS SYSTEM.
 - THE ABOVE INFORMATION ARE MINIMUM REQUIREMENTS AND SHALL BE REVISED AS THE DESIGNER DEEMS NECESSARY FOR PROPER FUNCTIONING OF THE SHOWN OWTS DESIGN.



MICHAEL J. McCORMICK
 No. 1972
 PROFESSIONAL LAND SURVEYOR

THIS SURVEY AND PLAN CONFORM TO A CLASS 'M' STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.
 By: MICHAEL J. McCORMICK, PLS 1972 DATE: 4/1/08

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED MAY 09 2008 FILE # 08-0102
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

APPROX. LOCATION EXISTING WELL
 Nandy L. Freeman
 PARCEL OWNER
 JOYCE DISANTO
 66 CREST DRIVE
 CRANSTON, RI 02921
 401.921.2000
 SYSTEM DESIGNER
 MICHAEL J. McCORMICK
 ALPHA ASSOCIATES, LTD.
 35 ROCKY HOLLOW ROAD
 EAST GREENWICH, RI 02818
 PH: 401.884.8506; FAX: 401.884.7747

- LEGEND**
- EXISTING CONTOUR
 - PROPOSED CONTOUR
 - EXISTING STONEWALL
 - PROPOSED STONEWALL
 - EXISTING EDGE OF PAVEMENT
 - EXISTING TREELINE
 - EXISTING UTILITY POLE
 - EXISTING CHAINLINK FENCE
 - 50' PERIMETER WETLAND
 - LIMIT OF DISTURBANCE
 - TEST HOLE
 - PROPOSED WELL & WATER SERVICE
 - EXISTING WETLAND FLAGGING

APR - 8 2008
 SCALE IN FEET
 PROPOSED SEPTIC SYSTEM
 ASSESSORS PLAT 44, LOT 37B
 SMITHFIELD, RHODE ISLAND
 prepared for: DAVID P. DISANTO
 prepared by: ALPHA ASSOCIATES, LTD.
 35 ROCKY HOLLOW ROAD
 EAST GREENWICH, RI 02818
 SCALE: 1"=30' JANUARY, 2008 SHEET 1 OF 1