



TEST PIT LOG	
DATA	#02
AVERAGE SURFACE ELEVATION	306.0
GROUND WATER ELEV.	304.0
BOTTOM OF SYSTEM	307.0
SOIL CATEGORY	3
SOIL LOADING RATE	0.70
REQUIRED LEACHING AREA = 493 S.F. 345 / 0.70 = 493 S.F.	
DESIGN LEACHING AREA INDRAIN: 7 S.F./L.F. = 28 S.F./UNIT 493 / 28 = 17.6 = 18 UNITS	
DESIGNED LEACHING AREA = 18 UNITS x 28 = 504 S.F.	

- ### SEWAGE DISPOSAL SYSTEM NOTES
- ALL KNOWN WELLS (EXISTING & PROPOSED) ARE SHOWN WITHIN 200' OF THE PROPOSED SYSTEM.
 - THERE ARE NO KNOWN WELLS (EXISTING & PROPOSED) WITHIN 100' OF THE PROPOSED SYSTEM.
 - THE PROPOSED WELL LOCATION IS NOT WITHIN 100 FEET OF ANY KNOWN SYSTEM.
 - NO PARKING OR VEHICULAR TRAFFIC SHALL BE PERMITTED OVER THE PROPOSED SYSTEM AT ANY TIME.
 - ALL CONSTRUCTION AND APPURTENANCES SHALL CONFORM TO R.I. DEPARTMENT OF ENVIRONMENTAL MANAGEMENT REGULATIONS, AND SHALL NOT DEVIATE WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT AND DESIGNER.
 - THE LEACHING AREA, EXTENDING AT LEAST 10 FEET ON ALL SIDES, MUST BE STRIPPED OF TREES, BRUSH AND STUMPS.
 - THE LEACHING AREA, EXTENDING AT LEAST 5 FEET ON ALL SIDES, MUST BE STRIPPED OF TOP SOIL, SUBSOILS, AND SOIL CONTAINING FINES, AND THE BOTTOM OF THE EXCAVATION SCARIFIED AND BACKFILLED WITH A COARSE GRAINED SOIL CONTAINING LITTLE OR NO FINES. THE LEACHING SYSTEM SHALL NOT BE CONSTRUCTED WHEN THE ORIGINAL SOIL WAS STRIPPED TO, OR INTO, THE GROUND WATER TABLE UNLESS APPROVED BY THE DIRECTOR.
 - THE DESIGNER IS TO BE NOTIFIED A MINIMUM OF 72 HOURS PRIOR TO INSTALLATION OR ANY REQUIRED INSPECTION.
 - OUTLET TEE WITH EFFLUENT FILTER REQUIRED ON SEPTIC TANK.
 - DRAINS - NO SUBDRAINS WITHIN 25'/50' ALLOWED (SEE TABLE 22.1).
 - NO WATER LINE SHOULD BE WITHIN 25' OF THE SEWERAGE SYSTEM.
 - SYSTEM MUST BE SUPERVISED BY SYSTEM DESIGNER AS PER RULE 43.3 OF THE RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO THE LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF ONSITE WASTEWATER TREATMENT SYSTEMS.
 - THERE ARE NO EXISTING OR PROPOSED PUBLIC DRINKING WATER SUPPLY WELLS WITHIN 500' OF THE PROPOSED SYSTEM.
 - ALL KNOWN SEWAGE SYSTEMS (EXISTING & PROPOSED) ARE SHOWN AND ARE MORE THAN 100' FROM THE PROPOSED WELL.

- ### LICENSED INSTALLER NOTES
- RULE 43.6**
THE DESIGNER SHALL, AT MINIMUM BUT NOT LIMITED TO, INSPECT AND MAKE MEASUREMENTS, WHERE APPROPRIATE, OF THE FOLLOWING COMPONENTS AND STEPS IN THE INSTALLATION OF THE ISDS:
- THE EXPOSED BOTTOM OF THE EXCAVATION FOR THE LEACHFIELD;
 - THE SIZE & CONDITION OF ALL STRUCTURES SUCH AS THE SEPTIC TANK, D-BOX, GALLEYS, FLOW DIFFUSERS, ETC.;
 - THE ELEVATIONS OF ALL PIPE INVERTS;
 - ALL SAND MEDIA AND AGGREGATE IS IN ACCORDANCE WITH SPECIFICATIONS AND IS PLACED IN ACCORDANCE WITH THE DESIGN PLAN;
 - COMPLETED INSTALLATION PRIOR TO COVERING;
 - THE TYPE OF BACKFILL AND THAT THE BACKFILL IS PROPERLY PLACED AND COMPACTED;
 - FINAL SOIL COVER INCLUDING THE FILL PERIMETER; AND
 - ALL HORIZONTAL SET-BACKS, INCLUDING FROM THE BUILDING AND ANY WELLS ON-SITE OR ON ABUTTING LOTS.
- LEGEND**
- SOIL EVALUATION
 - EXISTING WELL
 - PROPOSED WELL
 - PROPOSED WELL - WATER LINE
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - PROPOSED SILT FENCE & LIMIT OF DISTURBANCE
- NOTE:** DESIGNER REQUIRES 72 HOURS NOTICE PRIOR TO ANY REQUIRED INSPECTION
INSTALLER IS TO CONTACT THIS OFFICE PRIOR TO THE START OF CONSTRUCTION.

CERTIFICATION:
THIS SURVEY AND PLAN CONFORM TO A CLASS III STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.

INTERNATIONAL MAPPING & SURVEYING CORP. 19 INDUSTRIAL DRIVE SMITHFIELD, RI. 02917 (401) 232-2620

LEACHING SYSTEM DESIGN	ONSITE WASTEWATER TREATMENT SYSTEM for:
REFERENCE: SOIL EVAL. APPL. NO. 0216-0152 DATED OCTOBER 19, 2006	OWNER: RICHARD CONTI 296 GEORGE WASHINGTON HWY. SMITHFIELD, RI 02917
ANTHONY E. MUSCATELLO No. 1718 PROFESSIONAL LAND SURVEYOR R.I.D.E.M. CLASS II DESIGNER LICENSE NO. D2057	LOCATION: A.P. 55 LOT 97 BROWN AVENUE JOHNSTON, RI
A.P. 55 LOT 97	42,714 S.F. 0.98 ACRES
3 BEDROOM DESIGN	SCALE: 1"=40'
	DATE: 05/14/19
	PROJECT NUMBER: 030410-197