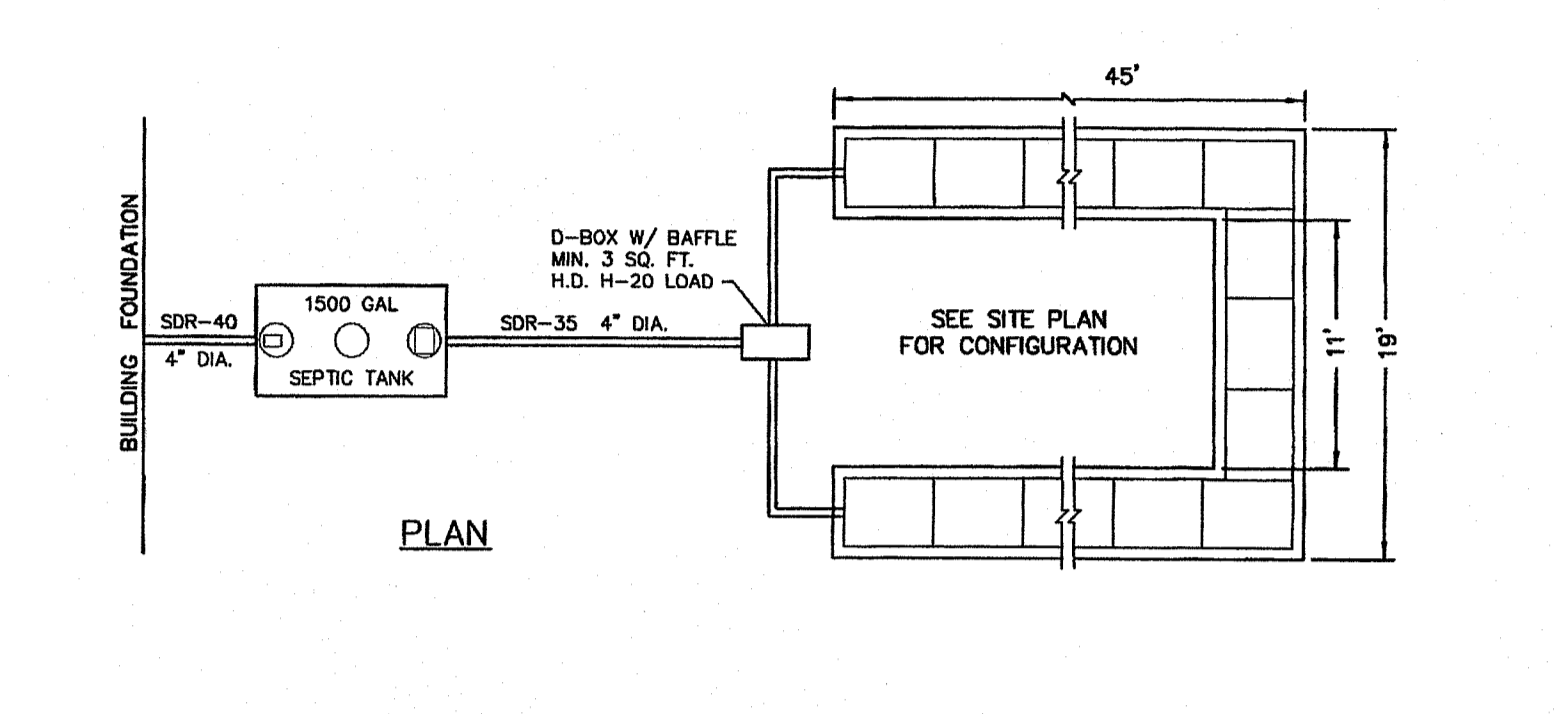
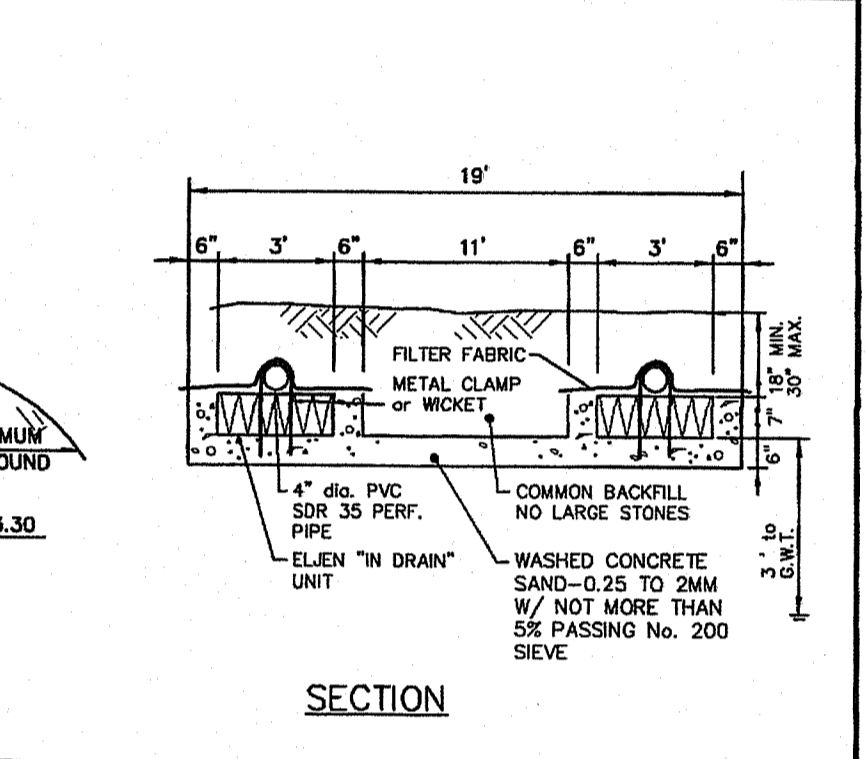
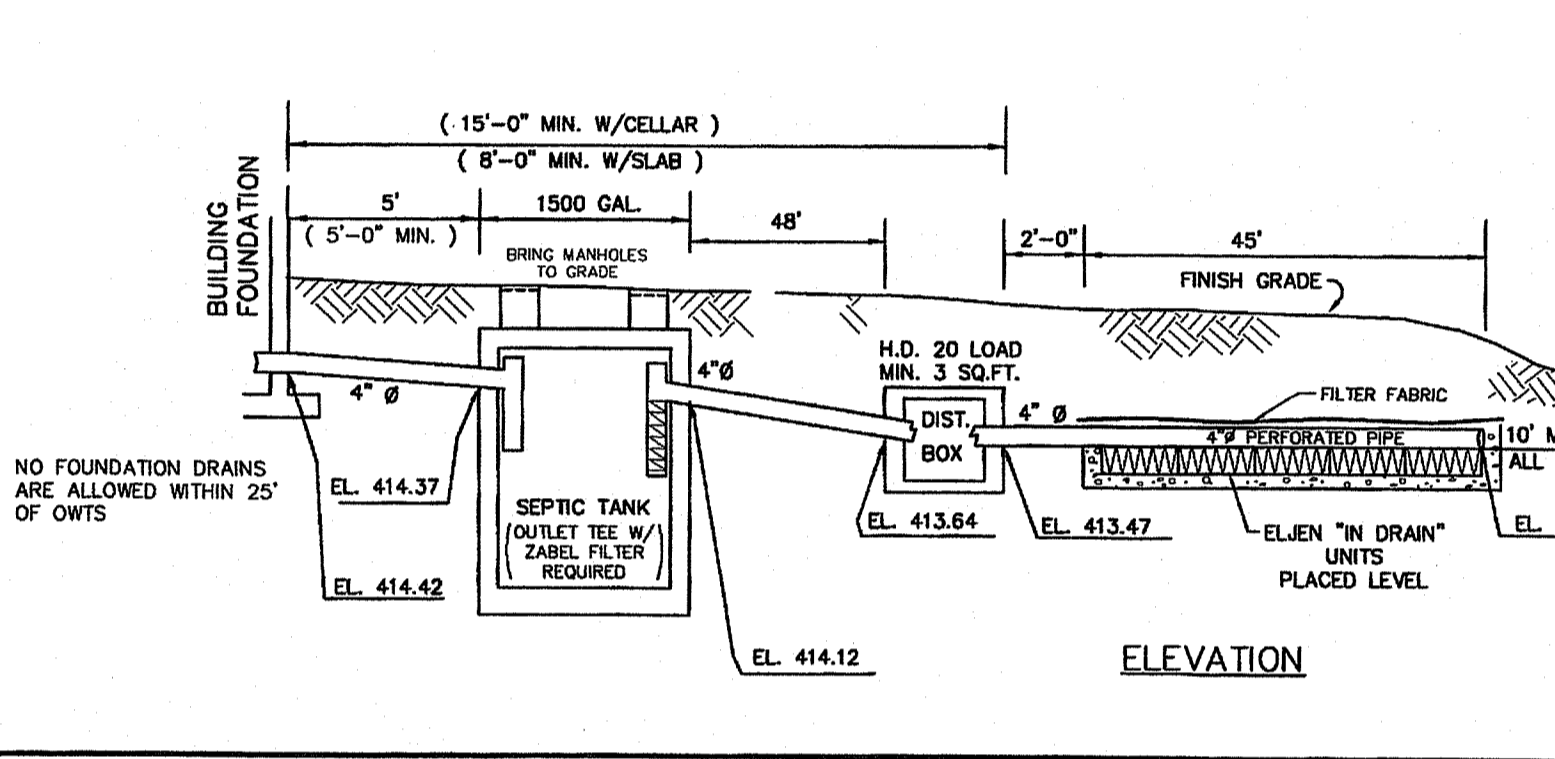


TEST PIT LOG	
DATA	
SURFACE ELEVATION	410.0
GROUND WATER ELEV.	407.5
LEGGE PROBE 1 = ELEV.	407.7
BOTTOM OF SYSTEM	412.7 (5' TO LEDGE)
SOIL CATEGORY	6
SOIL LOADING RATE	0.61 (GAL/SF/DAY)



DESIGN CRITERIA:
 4 BEDROOMS @ 115 GPD/BR UNIT = 460 GPD
 460 GPD/0.61 gals/sq ft/day = 754.1 S.F.
 REQUIRED LEACHING AREA = 754.1 S.F.
 DESIGN LEACHING AREA = 784.0 S.F.
 USE 28 UNITS



- SEWAGE DISPOSAL SYSTEM NOTES**
- (1) ALL KNOWN WELLS (EXISTING & PROPOSED) ARE SHOWN WITHIN 200' OF THE PROPOSED SYSTEM.
 - (2) THERE ARE NO KNOWN WELLS (EXISTING & PROPOSED) WITHIN 100' OF THE PROPOSED SYSTEM.
 - (3) THE PROPOSED WELL LOCATION IS NOT WITHIN 100 FEET OF ANY KNOWN SYSTEM AT ANY TIME.
 - (4) NO PARKING OR VEHICULAR TRAFFIC SHALL BE PERMITTED OVER THE PROPOSED SYSTEM AT ANY TIME.
 - (5) ALL CONSTRUCTION AND APPURTENANCES SHALL CONFORM TO R.I. DEPARTMENT OF ENVIRONMENTAL MANAGEMENT REGULATIONS (LAND RESOURCES DIVISION) R-23-HSD, AND SHALL NOT DEVIATE WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT AND DESIGNER.
 - (6) THE LEACHING AREA, EXTENDING AT LEAST 10 FEET ON ALL SIDES, MUST BE STRIPPED OF TREES, BRUSH AND STUMPS.
 - (7) THE LEACHING AREA, EXTENDING AT LEAST 5 FEET ON ALL SIDES, MUST BE STRIPPED OF TOPSOIL, 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.
 - (8) THE DESIGNER IS TO BE NOTIFIED A MINIMUM OF 72 HOURS PRIOR TO INSTALLATION OR ANY REQUIRED INSPECTION.
 - (9) OUTLET TEE REQUIRED ON SEPTIC TANK.
 - (10) DRAINS - NO SUBDRAINS WITHIN 25' ALLOWED (INCLUDING FOUNDATION DRAINS).
 - (11) NO WATER LINE SHOULD BE WITHIN 25' OF THE SEWERAGE SYSTEM.
 - (12) SYSTEM MUST BE SUPERVISED BY SYSTEM DESIGNER AS PER SD 27.00 OF THE RULES AND REGULATIONS ESTABLISHING MINIMUM STANDARDS RELATING TO THE LOCATION, DESIGN, CONSTRUCTION AND MAINTENANCE OF INDIVIDUAL SEWERAGE DISPOSAL SYSTEMS.
 - (13) THERE ARE NO EXISTING OR PROPOSED PUBLIC DRINKING WATER SUPPLY WELLS WITHIN 500' OF THE PROPOSED SYSTEM.
 - (14) ALL KNOWN SEWAGE SYSTEMS (EXISTING & PROPOSED) ARE SHOWN AND ARE MORE THAN 100' FROM THE PROPOSED WELL.

- LICENSED INSTALLER NOTES**
- RULE 4.3.6**
- 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:
- (1) THE EXPOSED BOTTOM OF THE EXCAVATION FOR THE LEACHFIELD;
 - (2) THE SIZE & CONDITION OF ALL STRUCTURES SUCH AS THE SEPTIC TANK, D-BOX, GALLEYS, FLOW DIFFUSERS, ETC.;
 - (3) THE ELEVATIONS OF ALL PIPE INVERTS;
 - (4) AND IS PLACED IN ACCORDANCE WITH THE DESIGN PLAN;
 - (5) COMPLETED INSTALLATION PRIOR TO COVERING;
 - (6) THE TYPE OF BACKFILL AND THAT THE BACKFILL IS PROPERLY PLACED AND COMPACTED;
 - (7) FINAL SOIL COVER INCLUDING THE FILL PERIMETER; AND
 - (8) ALL HORIZONTAL SET-BACKS, INCLUDING FROM THE BUILDING AND ANY WELLS ON-SITE OR ON ADJUTING LOTS.
- LEGEND**
- SOIL EVALUATION TESTPIT
 - LEDGE PROBE TESTPIT
 - EXISTING WELL
 - PROPOSED WELL
 - PROPOSED WATER LINE
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - PROPOSED SILT FENCE & LIMIT OF DISTURBANCE
 - LIMIT OF DISTURBANCE

CERTIFICATION:
 THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 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:
 TYPE OF BOUNDARY SURVEY: NOT A BOUNDARY SURVEY
 MEASUREMENT SPECIFICATION: CLASS III
 VERTICAL CONTROL STANDARD: V-4
 TOPOGRAPHIC SURVEY ACCURACY: T-3
 THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:
 THIS PLAN WAS PREPARED TO ACCOMPANY AND APPLICATION FOR A NEW ON-SITE WASTEWATER DISPOSAL SYSTEM, IN ACCORDANCE WITH RIDEM DESIGN STANDARDS.
 DATE: 1-16-2020
 ANTHONY E. MUSCATELLI, PLS #1718 COA #4368

NOTE: DESIGNER REQUIRES 72 HOURS NOTICE PRIOR TO ANY REQUIRED INSPECTION. INSTALLER IS TO NOTIFY THIS OFFICE PRIOR TO THE START OF CONSTRUCTION.

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

LEACHING SYSTEM DESIGN REFERENCE: S31-73 DATED 07/09/03

ONSITE WASTEWATER TREATMENT SYSTEM DESIGN for:

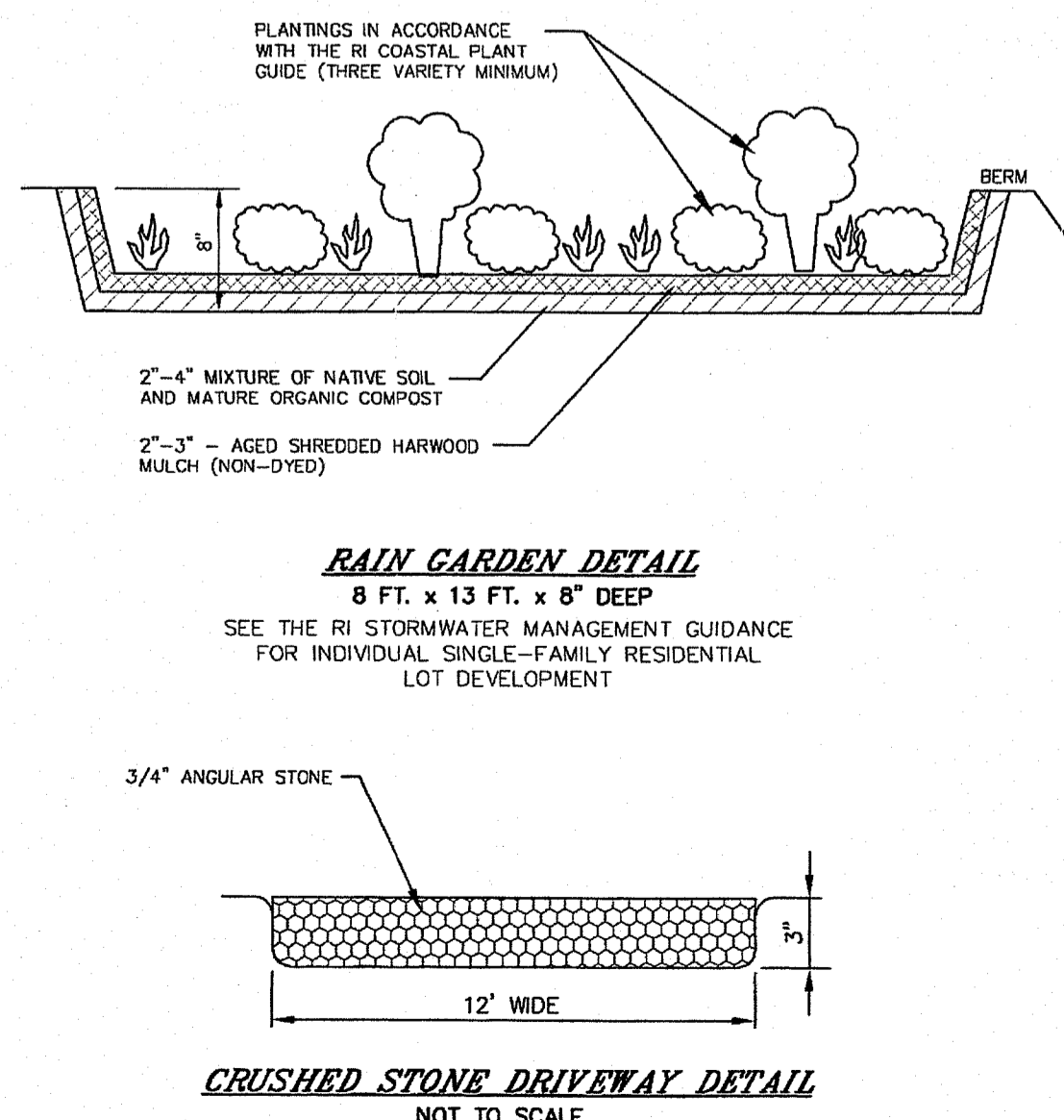
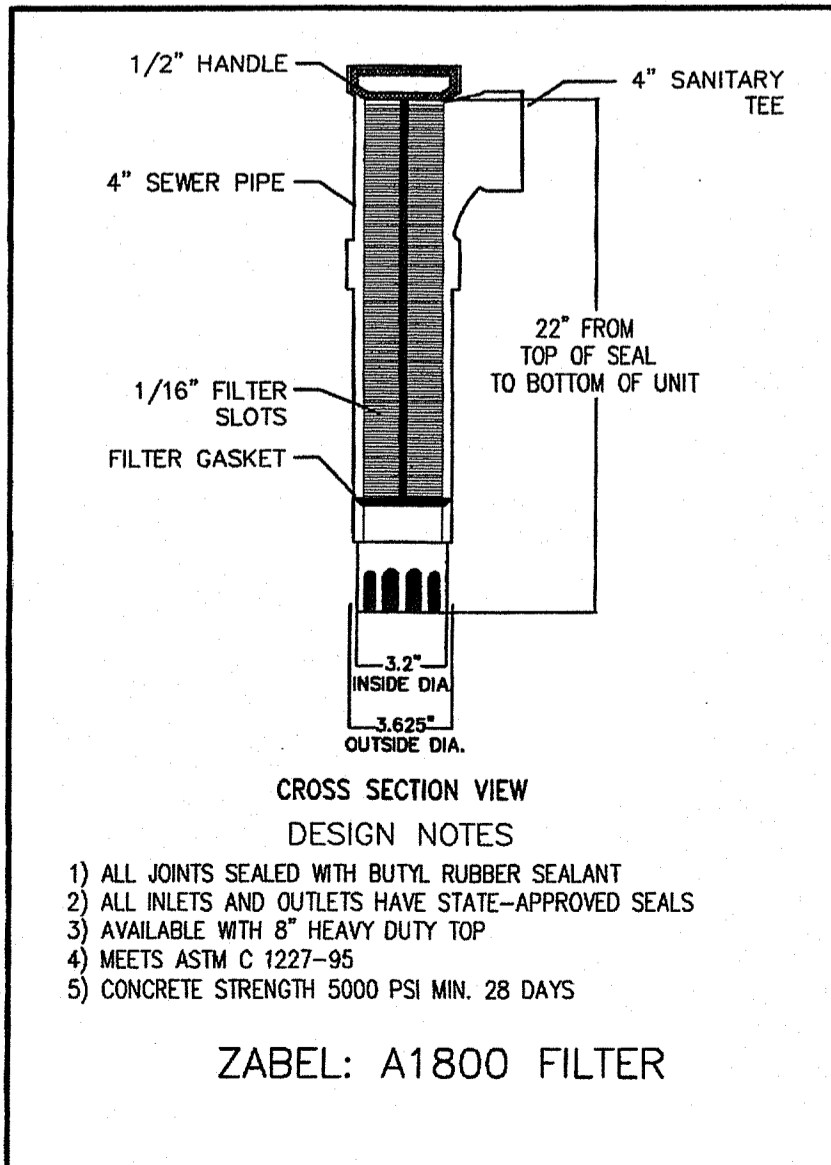
OWNER: ERIC LARIVIERE 36 CAPRON WAY SHEPACHEY, RI 02814

LOCATION: A.P. 50 LOT 104 (SUBDIVISION LOT 1) BAYBERRY ROAD SMITHFIELD, RI

A.P. 50 LOT 104 (SUB-LOT 1) 7.88 ACRES

4 BEDROOM DESIGN SCALE: 1"=40' DATE: 07/07/19 REVISIONS: REVISOR FOR RIDEM REVIEW 01/14/20 PROJECT NUMBER: 040702-IS-LOTT

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 REVIEWED SITE PLAN APPLICATION NO.: 20-0027
 DATED FEB 24 2020
 SEE LETTER OF SAME DATE.
 Nancy L. Freeman



TEST HOLE DATA

TEST HOLE	LEDGE DEPTH
SE 17-3	72"
SE 17-4	84"
LP D	52"
LP E	76"
LP F	74"
LP G	50"
LP H	76"
LP I	52"
LP J	76"

ADDITIONAL LEDGE PROBES SEPT. 2016

