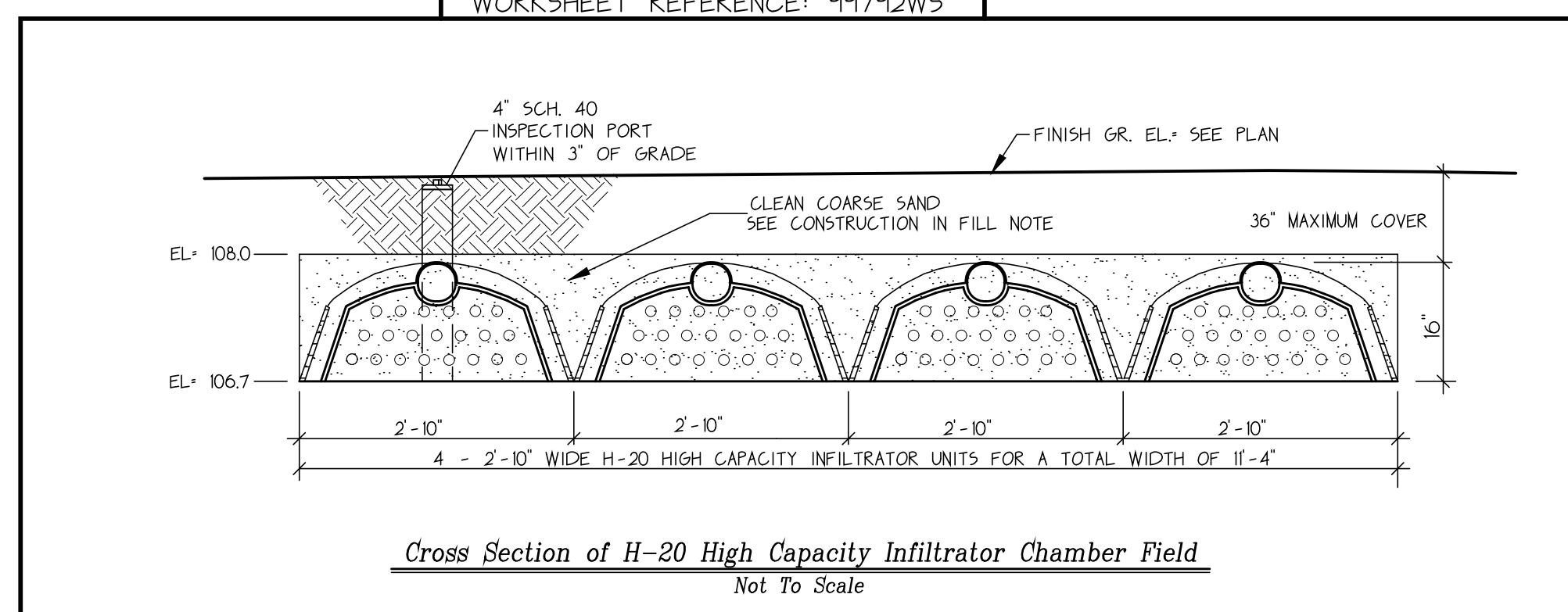


- Notes**
- GENERAL NOTES:**
- THIS PLAN IS TO BE USED ONLY FOR THE PERMITTING AND INSTALLATION OF A SEWAGE DISPOSAL SYSTEM. IT IS NOT TO BE USED FOR ANY OTHER PURPOSE.
 - NO CHANGES TO THIS PLAN ARE PERMITTED WITHOUT THE PRIOR WRITTEN APPROVAL OF SOURATI ENGINEERING GROUP, LLC.
 - INSTALLATION SHALL BE IN STRICT CONFORMITY WITH TITLE 5 OF THE MASSACHUSETTS STATE SANITARY CODE AND THE RULES & REGULATIONS OF THE TOWN OF WEST TISBURY BOARD OF HEALTH.
 - MACHINERY THAT MAY DISTURB PIPE ALIGNMENT IN THE DISPOSAL SYSTEM SHALL NOT BE USED ON THE DISPOSAL AREA.
 - NO EXISTING WELLS WERE FOUND WITHIN 150' FROM THE PROPOSED SOIL ABSORPTION SYSTEM OR WITHIN 50' FROM THE SEPTIC TANK.
 - FINISHED SURFACE OF LEACHING AREA SHALL BE GRADED TO INSURE RUNOFF (2% MINIMUM SLOPE).
 - THE SEPTIC TANK AND THE DISTRIBUTION BOX SHALL BE EITHER:
 - A. WATERTIGHT ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND WARRANTY, OR
 - B. MADE WATERTIGHT BY THE MANUFACTURER, EQUIPMENT SUPPLIER OR INSTALLER, USING ASPHALT OR SYNTHETIC POLYMER SEALER SPECIFIED BY THE CONCRETE OR SYNTHETIC MATERIAL MANUFACTURER.
 - SEPTIC TANKS AND DISTRIBUTION BOXES SHALL BE LEVEL AND TRUE TO GRADE ON A LEVEL STABLE BASE THAT HAS BEEN MECHANICALLY COMPACTED AND ONTO WHICH 6 INCHES OF CRUSHED STONE HAVE BEEN PLACED TO MINIMIZE UNEVEN SETTLING.
 - ALL SYSTEM COMPONENTS SHALL BE CONSTRUCTED OF CORROSION RESISTANT MATERIALS.
 - ALL PIPING SHALL BE A MINIMUM OF SCHEDULE 40 PVC UNLESS OTHERWISE NOTED.
 - DISTRIBUTION BOX OUTLET LINES SHALL BE LEVEL FOR A MINIMUM OF THE FIRST TWO FEET OF THEIR LENGTH.
- CONSTRUCTION IN FILL:**
- FILL MATERIAL FOR SYSTEMS CONSTRUCTED IN FILL SHALL CONSIST OF SELECT ON-SITE OR IMPORTED SOIL MATERIAL. THE FILL BE COMPOSED OF CLEAN GRANULAR SAND, FREE FROM ORGANIC MATTER AND DELETERIOUS SUBSTANCES, MIXTURES AND LAYERS OF DIFFERENT CLASSES OF SOIL SHALL NOT BE USED. THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN TWO INCHES. A SIEVE ANALYSIS USING A #4 SIEVE SHALL BE PERFORMED ON A REPRESENTATIVE SAMPLE OF THE FILL UP TO 453 BY WEIGHT OF THE FILL SAMPLE MAY BE RETAINED ON THE #4 SIEVE. SIEVE ANALYSIS ALSO SHALL BE PERFORMED ON THE FRACTION OF THE FILL SAMPLE PASSING THE #4 SIEVE. SUCH ANALYSES MUST DEMONSTRATE THAT THE MATERIAL MEETS EACH OF THE FOLLOWING SPECIFICATIONS:
- | SIEVE SIZE | EFFECTIVE PARTICLE SIZE | % THAT MUST PASS SIEVE |
|------------|-------------------------|------------------------|
| #4 | 4.75 MM | 100 |
| #10 | 0.30 MM | 10 |
| #100 | 0.05 MM | 0 |
| #200 | 0.075 MM | 0 |
- HIGH CAPACITY INFILTRATOR CHAMBER (SOIL ABSORPTION SYSTEM):**
- THE INFILTRATORS SHALL BE INSTALLED IN STRICT CONFORMITY WITH THE MANUFACTURER SPECIFICATIONS.

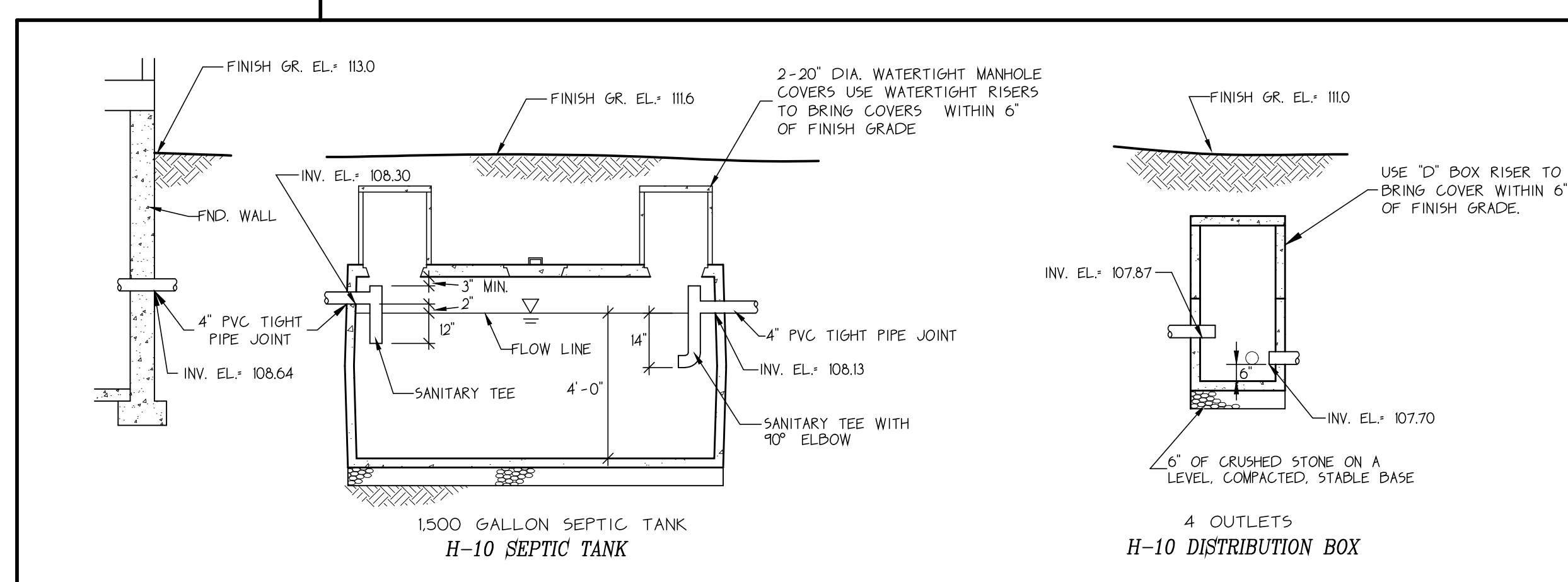
SOILS LOG

TEST HOLE #1	DATE:	ELEV.:
	3/2/2004	111.7
DEPTH	HORIZON	TEXTURE
00-03"	A	SANDY LOAM
03-24"	B	SANDY LOAM
24-144"	C	LOAMY SAND

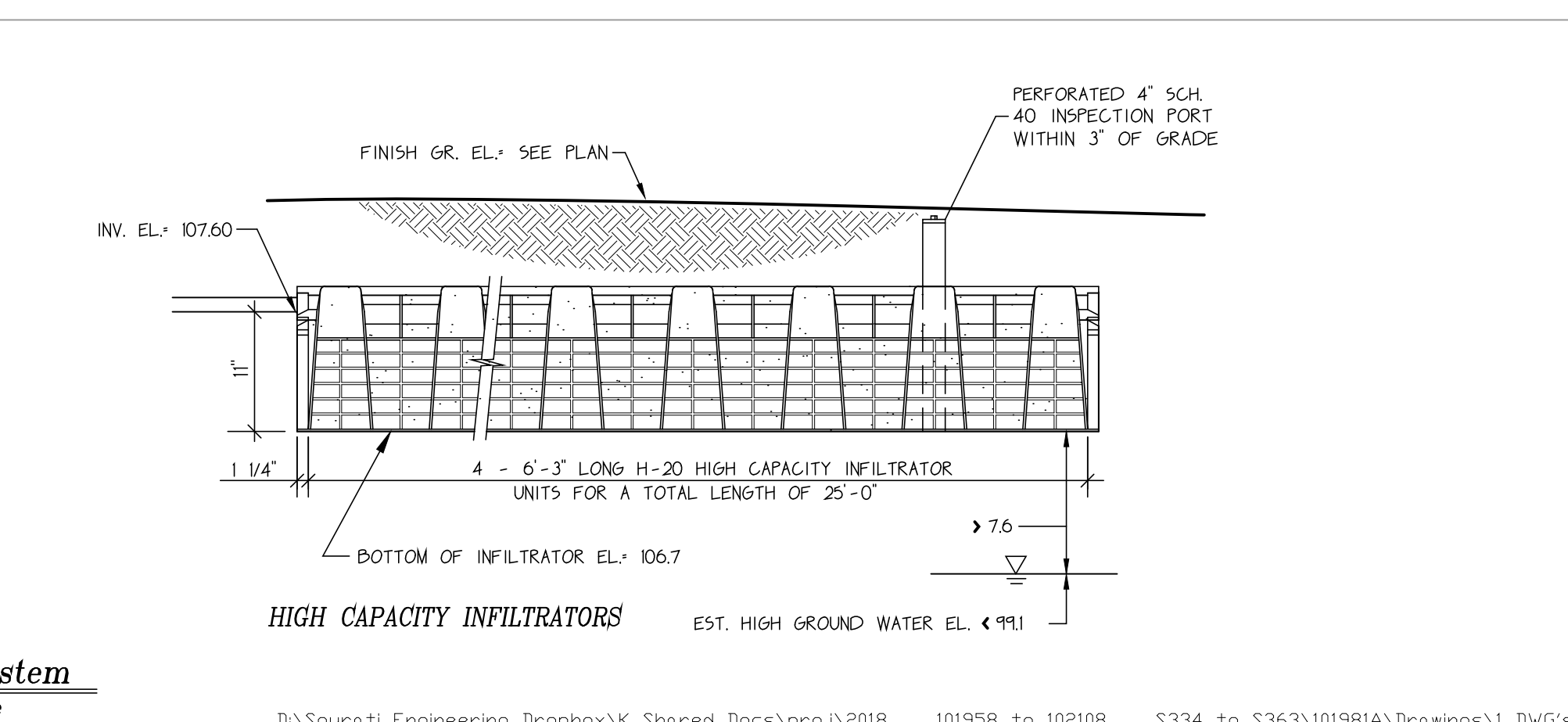
TEST HOLE #1	DATE:	ELEV.:
	3/2/2004	111.1
DEPTH	HORIZON	TEXTURE
00-03"	A	SANDY LOAM
03-24"	B	SANDY LOAM
24-144"	C	LOAMY SAND



- NOTES:**
- THE OWNER SHALL SUBMIT THE PROPOSED HOUSE FLOOR PLANS TO THE WEST TISBURY BOARD OF HEALTH FOR THEIR APPROVAL.
 - ALL UNDERGROUND UTILITIES, INCLUDING WATER, PHONE, AND ELECTRICAL LINES, MUST BE LOCATED BY THE CONTRACTOR AND DIG SAFE SYSTEM, INC. MUST BE CONTACTED AT 1-888-344-7233 PRIOR TO ANY EXCAVATION.
 - ENGINEER SHALL INSPECT BOTTOM OF EXCAVATION IN THE LEACHING FIELD PRIOR TO PLACEMENT OF ANY FILL.



- Design Computations:**
- HYDRAULIC LOADING:**
 3 BEDROOMS AT 110 GPD + 330 GPD
 A GARBAGE DISPOSAL IS NOT ALLOWED IN THIS DESIGN.
- SEPTIC TANK SIZE:**
 INCREASE FLOW TO 200% (TITLE VI) + 660 GALLONS USE 1500 GALLON SEPTIC TANK.
- LEACHING CAPACITY:**
 DESIGN PERCOLATION RATE 15.5 MIN/INCH EFFLUENT LOADING RATE 0.74 G/5F/D SOIL TYPE: CLASS I
 USE 1 LEACHING FIELD WITH 16 CHAMBERS.
- TOTAL AREA OF FIELD + 16 CHAMBERS X 6.25 LF/CHAMBER X 4.73 5F/LF + 473 5F.
 TOTAL LEACHING CAPACITY PROVIDED + 473 5F. X 0.74 G/5F/D + 350 G/D.
 TOTAL LEACHING CAPACITY PROVIDED + 350 G/D.
 TOTAL HYDRAULIC LOADING REQUIRED + 330 G/D.



New Sewage Disposal System
 In The Town Of
West Tisbury

Site:
 Proposed Three Bedroom House
 Map 3, Parcel 49
 60 Stone Bridge Road

Owner:
 Nooni & Shira Hammarlund
 PO Box 814
 West Tisbury, MA 02575

Scale: As Shown Date: March 1, 2018
 Job No.: 101981 Drawn By: H. Chen
 Drawing No.: 101981SP Designed By: H. Chen
 Sheet 1 of 1 Checked By: G. Sourati

Revisions:
 5-16-2018 well & fence
 1-22-2019 per Con Com
 3/28/23 House

Sourati Engineering Group LLC
 Professional Land Surveyors
 P.O. Box 4458
 107 Beach Road, Suite 202
 Vineyard Haven, MA 02568
 Phone: (508) 693-9933
 Fax: (508) 693-4933