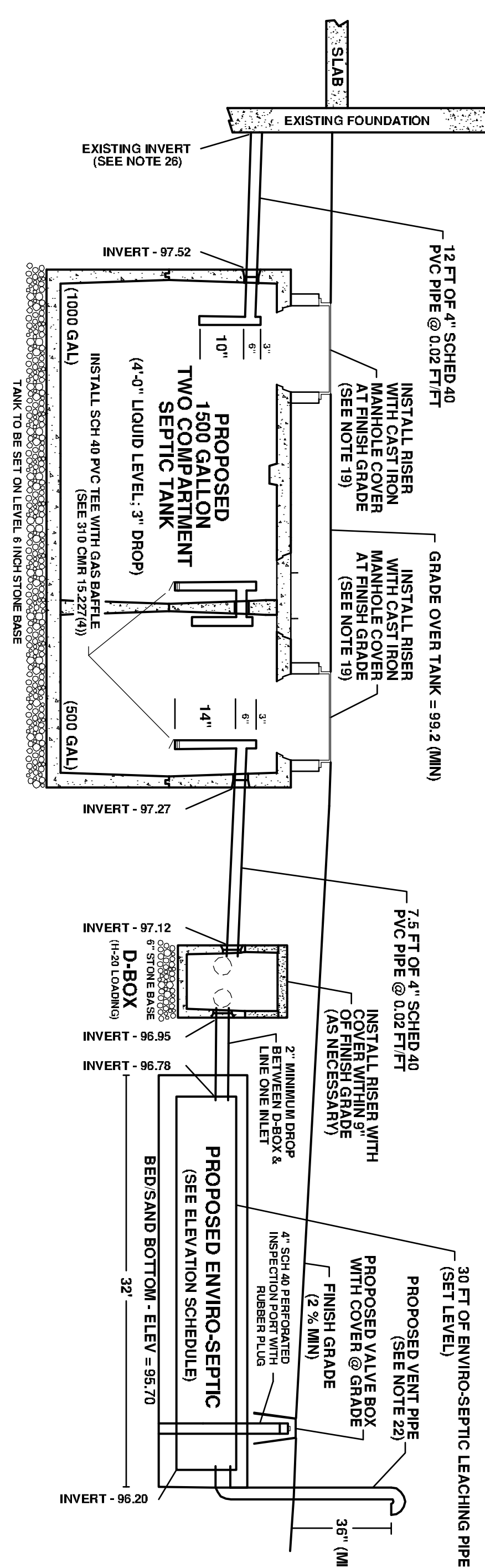


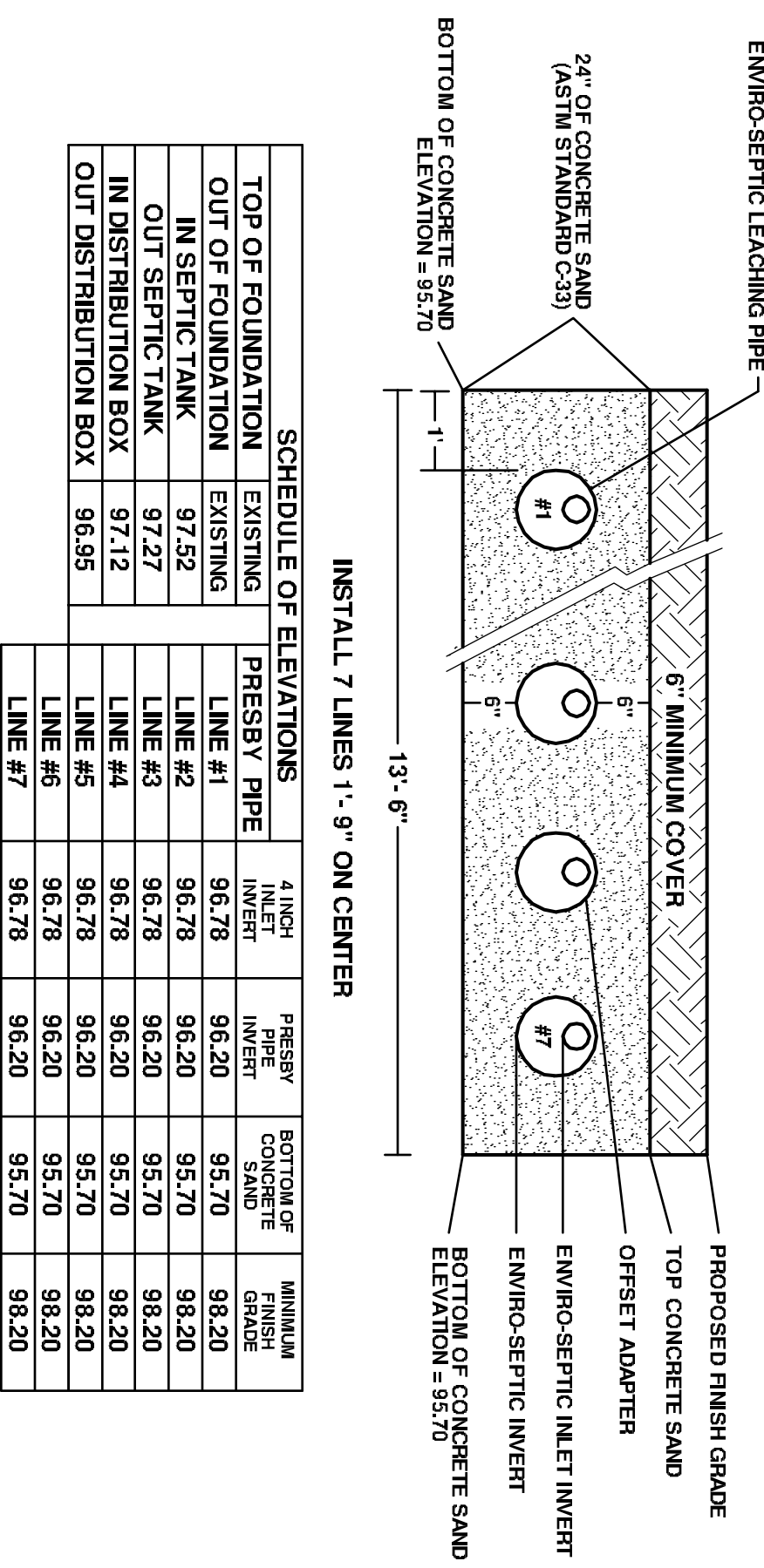
## PROFILE AND DETAILS

NOT TO SCALE



## CROSS SECTION

NOT TO SCALE

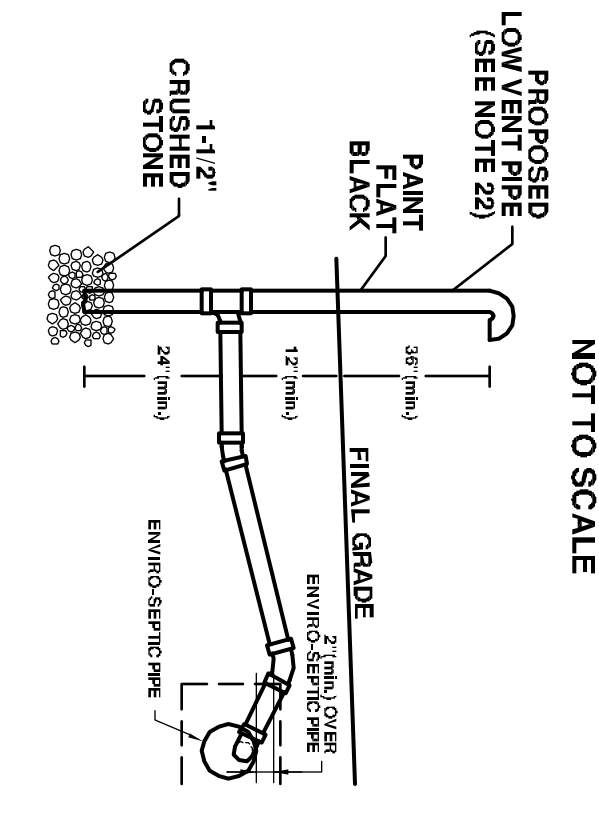


**SCHEDULE OF ELEVATIONS**

TOP OF FOUNDATION	EXISTING	PROPOSED	MINIMUM GRADE
LINE #1	96.78	96.20	98.20
LINE #2	96.78	96.20	98.20
LINE #3	96.78	96.20	98.20
LINE #4	96.78	96.20	98.20
LINE #5	96.78	96.20	98.20
LINE #6	96.78	96.20	98.20
LINE #7	96.78	96.20	98.20

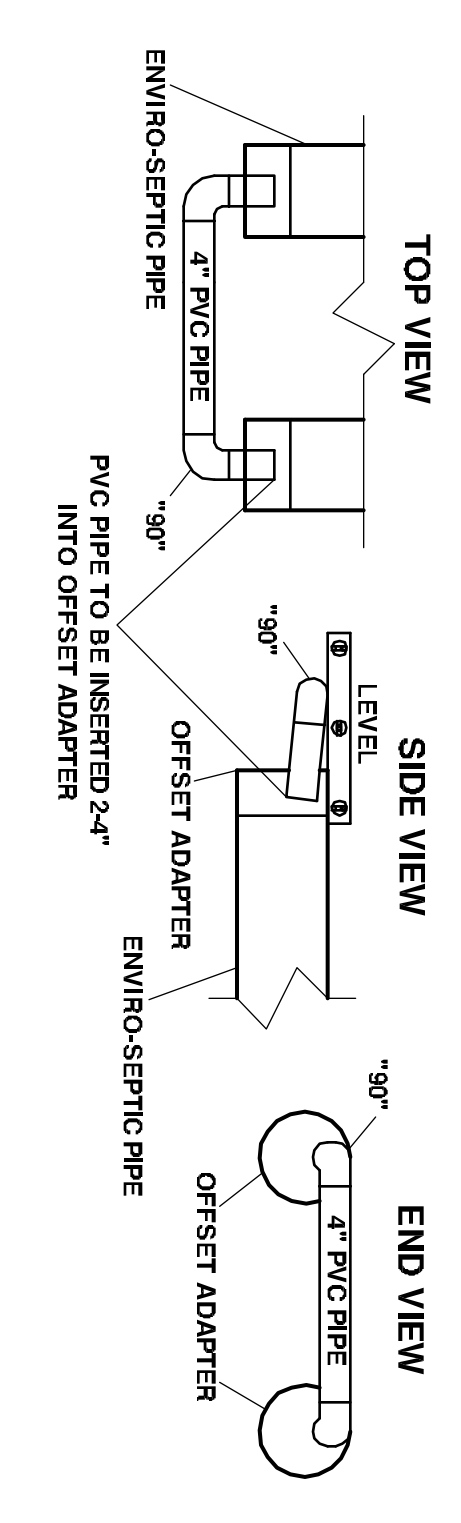
## REMOTE LOW VENTING DETAIL

NOT TO SCALE



## RAISED CONNECTION

NOT TO SCALE

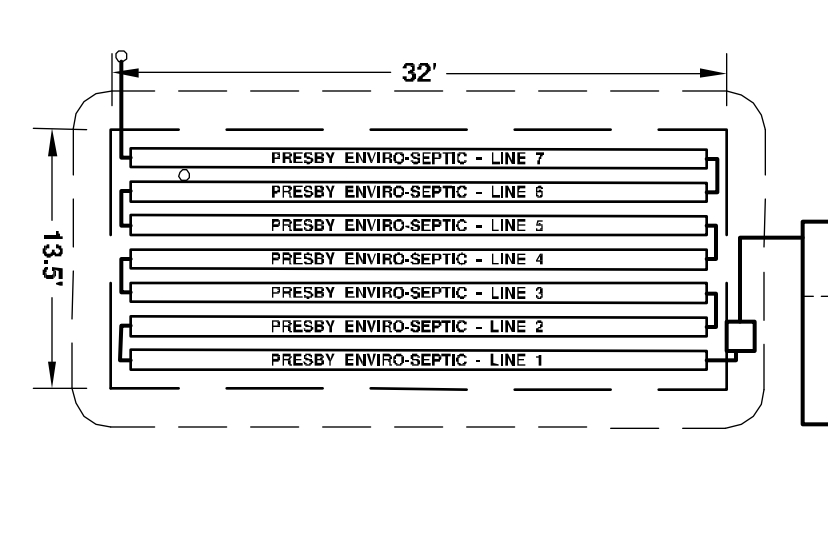


## SAND SPECIFICATIONS

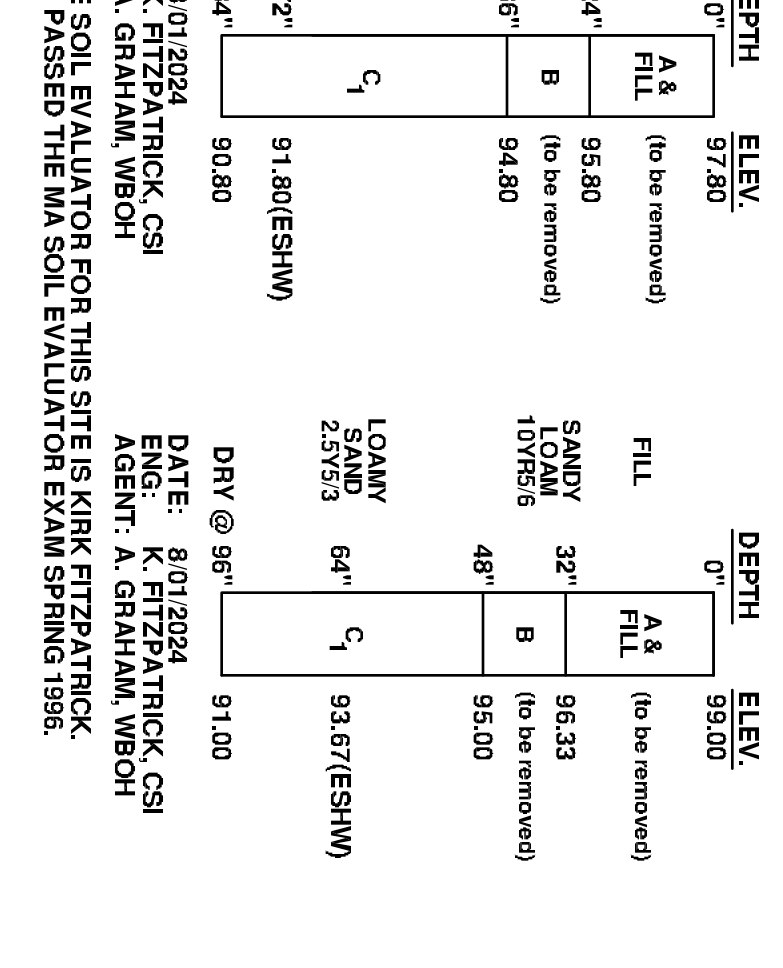
SEPTIC SAND SPECIFICATIONS: SAND SHALL BE GRAVEL, 40% TO 90% OF THE TOTAL SAND IS TO BE CONCRETE TO VERY COARSE SAND. NO GRAVEL SHALL EXCEED THE 1/4\"/>

## LAYOUT DETAIL

1\"/>



## SOIL PROFILE DATA



## PERCOLATION TEST DATA

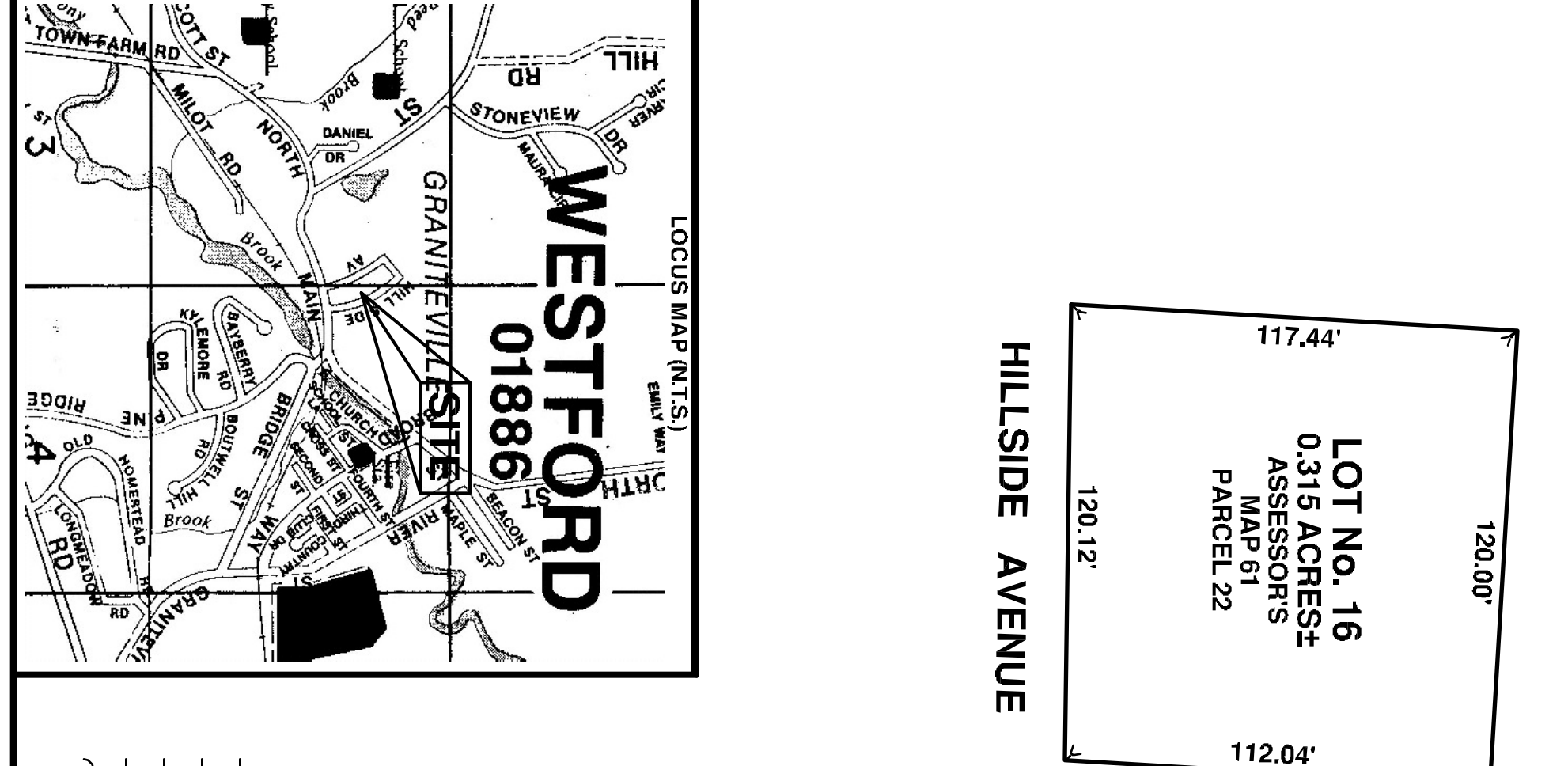
PERC NO.	DATE	DEPTH	RATE
P-A	8/01/2024	78\"/>	

## NOTES AND SPECIFICATIONS

- BOUNDARY LINE INFORMATION TAKEN FROM A PLAN OF LAND INVESTMENT BY J.L. & W.T. MOWMAN, DATED APRIL 22, 1946, RECORDED IN THE MA LAND RECORDS OFFICE BY PLAN NO. 25336A.
- TOPOGRAPHIC INFORMATION TAKEN FROM A FIELD SURVEY PERFORMED BY THIS OFFICE.
- CONTRACTOR SHALL NOTIFY THE OWNER AT LEAST 72 HOURS PRIOR TO ANY WORK BEING PERFORMED.
- CONTRACTOR SHALL NOTIFY THIS OFFICE 24 TO 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL EXISTING SITE CONDITIONS AND ELEVATIONS PRIOR TO INITIATING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER OF RECORD PRIOR TO THE ONSET OF CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND ADJACENT PROPERTY.
- WHERE FILL IS REQUIRED TO BE LAID UNSTABILIZED OR UNBLENDED MATERIAL, THE EXPANSION OF THE UNSTABILIZED MATERIAL SHALL EXTEND A MINIMUM OF FEET LATERALLY IN ALL DIRECTIONS BEYOND THE NUMBER OF FEET OF THE SOIL ABSORPTION SYSTEM TO A DEPTH OF INDIVIDUALLY OCCURRING PERIODS OF 6\"/>

## PLOT PLAN

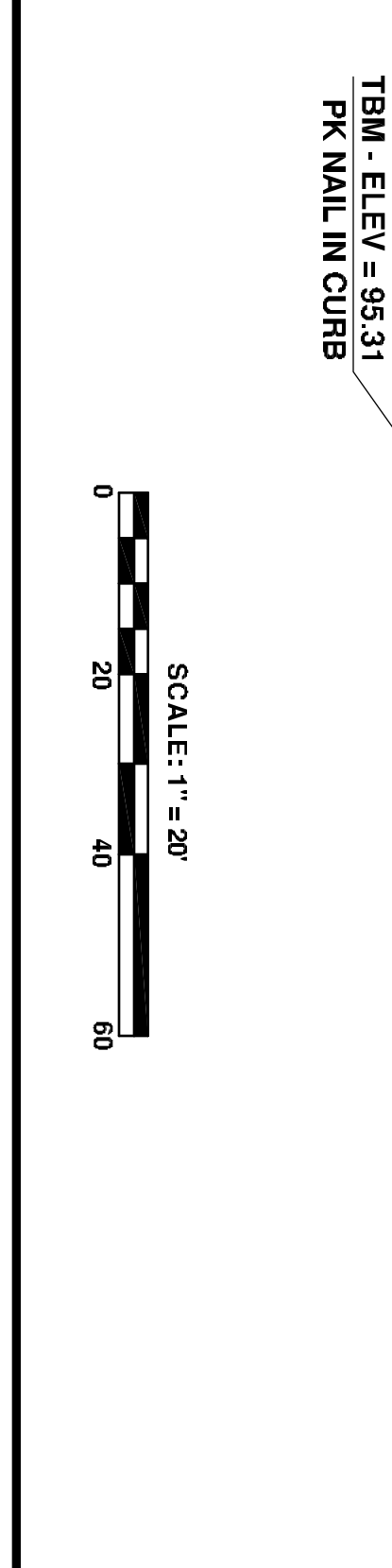
1\"/>



## LEGEND

- EXISTING TREE
- LIGHT POST
- EXISTING SPOT GRADE
- PROPOSED SPOT GRADE
- SOIL PROFILE TEST
- PERCOLATION TEST
- EXISTING CONTOUR
- PROPOSED CONTOUR
- WATER LINE
- GAS LINE
- BRUSHLINE/GARDEN

## HILLSIDE AVENUE



## SYSTEM CALCULATIONS

**TITLE 5 DESIGN CAPACITY PROVIDED:**  
 3 BEDROOMS X 110 GALLON/BEDROOM = 330 GALL/DAY  
**PROVIDED:**  
 PERCOLATION RATE: 3 MINUTES PER INCH  
 APPLICATION RATE: 0.75 GAL/SF  
 MIN. REQUIRED LEACHING AREA: 330 GALL/DAY / 0.75 GAL/SF = 440 SF  
 MIN. REQUIRED LEACHING AREA USING ENVIRO-SEPTIC PIPE: 330 GALL/DAY / 0.75 GAL/SF = 440 SF  
 MIN. ALLOWABLE ENVIRO-SEPTIC PIPE SYSTEM = 400 SF  
 ENVIRO-SEPTIC PIPE REQUIRED = 210 LF  
 ENVIRO-SEPTIC PIPE PROVIDED = 210 LF  
 LEACHING AREA PROVIDED = 13.5 FT(W) X 32 FT(D) = 432 SF = 400 SF  
 SEPTIC TANK(S) SIZES:  
 2100 X 330 GALLONS  
 INSTALL NEW 1500 GALLON TWO COMPARTMENT SEPTIC TANK

## SEWAGE DISPOSAL SYSTEM PLAN

12 HILLSIDE AVENUE  
 WESTFORD, MASSACHUSETTS  
 AUGUST 14, 2024

ASSESSOR'S MAP 61, PARCEL 22		DESIGN: KCF	
<b>CIVIL SOLUTIONS, INC.</b>		DRAWN: KCF	
P.O. BOX 107, 286 LITTLETON ROAD, UNIT 2, WESTFORD, MA		CHECK: KJR	
PHONE: (978) 692-5000 FAX: (978) 692-0386			
EMAIL: civilsolutionsinc@outlook.com			
OWNER OF RECORD:	JOB NO. 24-033P	DWG. NO. 1 OF 1	REVISION:
AUDREY VALLEN	24-033P		
18866 RAVENWOOD DRIVE			
SARATOGA, CA 95070			
PLAN PREPARED FOR:			
AUDREY VALLEN			
18866 RAVENWOOD DRIVE			
SARATOGA, CA 95070			