

**SOILS DATA**

WITNESSED BY: DON KENDRICK, RS GLASTONBURY HEALTH DEPT.

TEST PIT: 1  
 DATE: 6-16-21  
 DEPTH: 7.0'  
 MOTTLING: NONE  
 GROUNDWATER: NONE  
 ROOTS: 5.0'  
 LEDGE: 7.0'  
 MATERIAL: 0.0'-3.0' DISTURBED LAYER  
 3.0'-4.0' LIGHT BROWN FINE SANDY SILT LOAM  
 4.0'-7.0' DARK BROWN FINE SAND, GRAVEL, BOULDERS, COBBLES

TEST PIT: 2  
 DATE: 6-16-21  
 DEPTH: 6.0'  
 MOTTLING: NONE  
 GROUNDWATER: NONE  
 ROOTS: 5.0'  
 LEDGE: 6.0'  
 MATERIAL: 0.0'-2.0' DISTURBED LAYER  
 2.0'-3.0' LIGHT BROWN FINE SANDY SILT LOAM  
 3.0'-6.0' DARK BROWN FINE SAND, GRAVEL, COBBLES, BOULDERS

TEST PIT: 1A  
 DATE: 12-10-21  
 CONFIRMATION TEST PIT: PROFILE SAME AS TEST PIT 1 ABOVE

**M.L.S.S. CALCULATIONS**

BEDROOMS: 3  
 RECEIVING SOIL: 60" + 30" 45"  
 SLOPE: 11% (NATURAL GRADE)  
 PERC. RATE: 40 MIN./IN.  
 (HF)16 x (FF)2.0 x (PF)1.5 = 48 L.F.

BENCH MARK TO BE SET IN SEPTIC AREA AT TIME OF STAKE OUT

**B100A SANITARY SYSTEM DESIGN**

NUMBER OF BEDROOMS	3
PERCOLATION RATE	40 MIN./IN.
ABSORPTION AREA REQUIRED	900 S.F. (MIN.)
USE GST 6224 (18.1 SF/LF)	49.7 L.F. REQ'D
USE 1 ROW @	50 L.F.
SEPTIC TANK CAPACITY	1,000 GAL. (MIN.)

**SANITARY SYSTEM ELEVATIONS**

*PUMP WILL BE REQUIRED	1
BOTTOM OF TRENCH	57.8
FL. DISTRIBUTION LINE	59.8

NOTES:  
 THE LEACHING AREA IS TO BE STRIPPED OF ALL UNSUITABLE SOILS AND FILLED WITH CLEAN SAND, LAID IN 8"-12" INCH LIFTS, FILL TO BE MECHANICALLY COMPACTED TO 90% MAXIMUM DENSITY. A MINIMUM SEPARATION DISTANCE OF 24" BETWEEN THE MOTTLING LAYER AND BOTTOM OF THE LEACHING AREA MUST BE MAINTAINED.  
 INSTALLATION OF ALL SEWAGE DISPOSAL SYSTEMS SHALL NOT OCCUR DURING WET WEATHER TO AVOID SOIL SMEARING.  
 FILLING OF STRIPPED AREAS SHALL NOT BE PERMITTED WHILE SMEARING OF THE SOILS OCCURS, ALL SMEARED SURFACES SHALL BE RAKED OR PLOWED PRIOR TO ANY FILLING AND AS DIRECTED BY THE TOWN HEALTH DEPARTMENT.

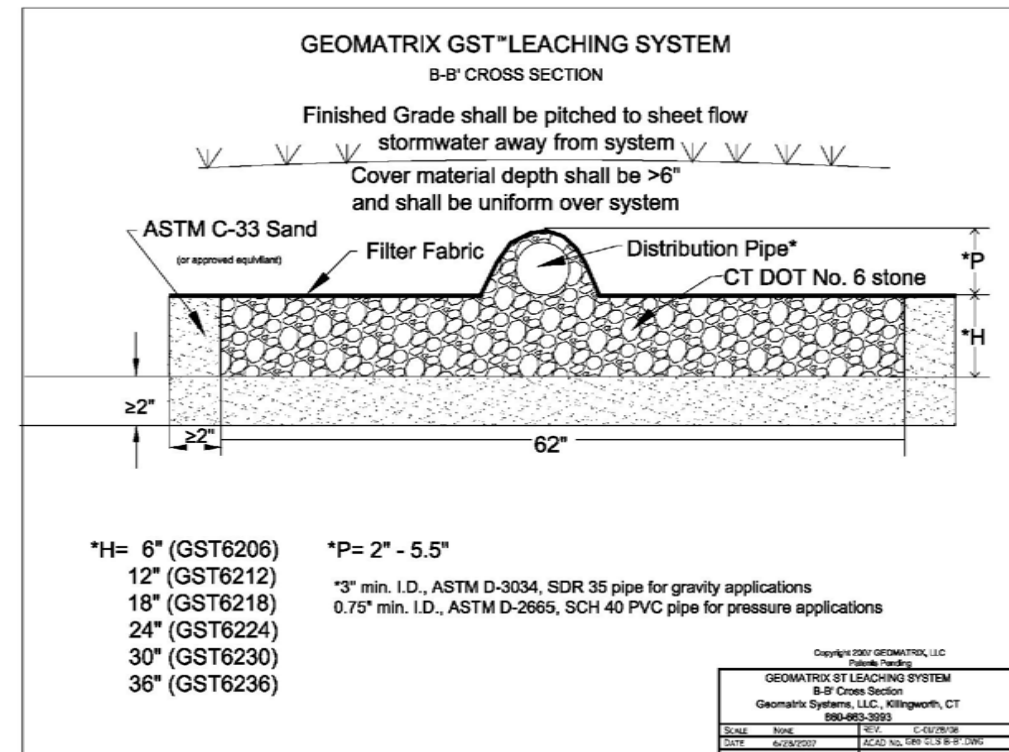
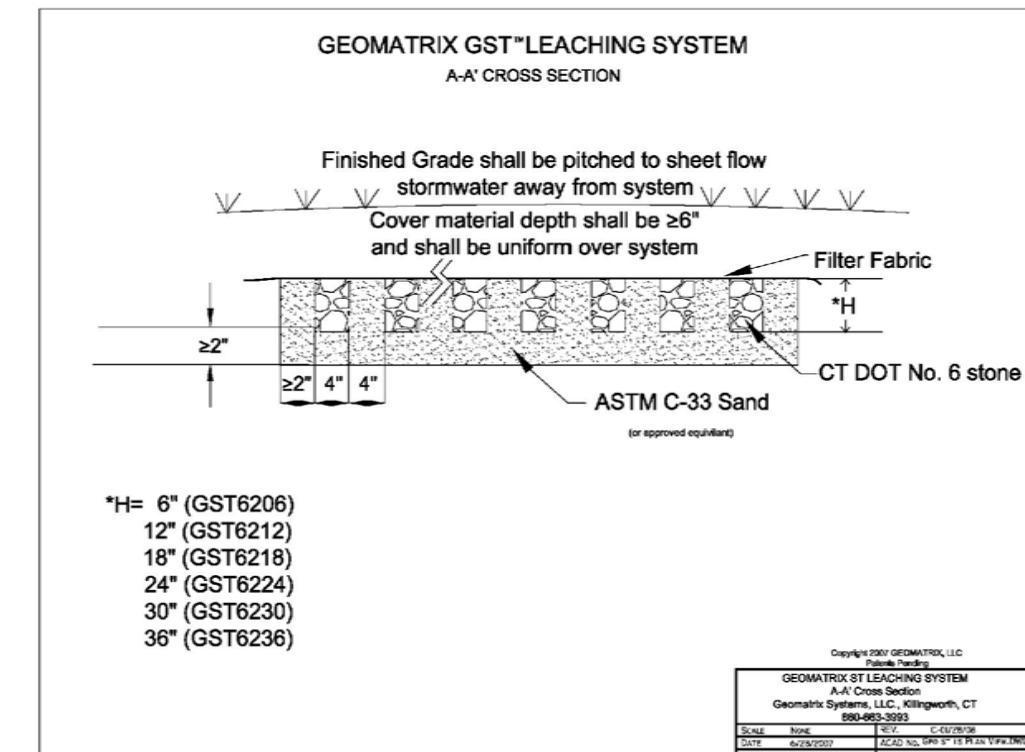
SELECT FILL PLACED WITHIN AND ADJACENT TO LEACHING SYSTEM AREAS SHALL BE COMPRISED OF CLEAN SAND, OR SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE SELECT FILL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE APPROVED BY A PROFESSIONAL ENGINEER FOR USE WITHIN THE LEACHING AREA:

1. THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THE THREE (3) INCH SIEVE.
2. UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SIEVE (THIS IS THE GRAVEL PORTION OF THE SAMPLE).
3. THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN BENEIGHED AND THE SIEVE ANALYSIS STARTED.
4. THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA:

SIEVE SIZE	PERCENT PASSING	
	WET SIEVE	DRY SIEVE
#4	100	100
#10	70% - 100%	70% - 100%
#40	10% - 50%*	10% - 75%
#100	0% - 20%	0% - 5%
#200	0% - 5%	0% - 2.5%

\*NOTE: PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED 5%.

THE LICENSED INSTALLER IS RESPONSIBLE FOR PREPARING THE LEACHING AREA WITH NECESSARY SELECT FILL. THE TOPSOIL IN THE LEACHING SYSTEM AREA MUST BE REMOVED AND THE SUBSOIL SCARPED PRIOR TO SELECT FILL PLACEMENT UNLESS OTHERWISE DIRECTED BY THE DESIGN ENGINEER. THE INSTALLER SHALL TAKE THE NECESSARY STEPS TO PROTECT THE UNDERLYING NATURALLY OCCURRING SOIL FROM OVER COMPACTION OR DAMAGE. SELECT FILL SHALL EXTEND A MINIMUM OF FIVE (5) FEET LATERALLY IN ALL DIRECTIONS BEYOND THE OUTER PERIMETER OF THE LEACHING SYSTEM.

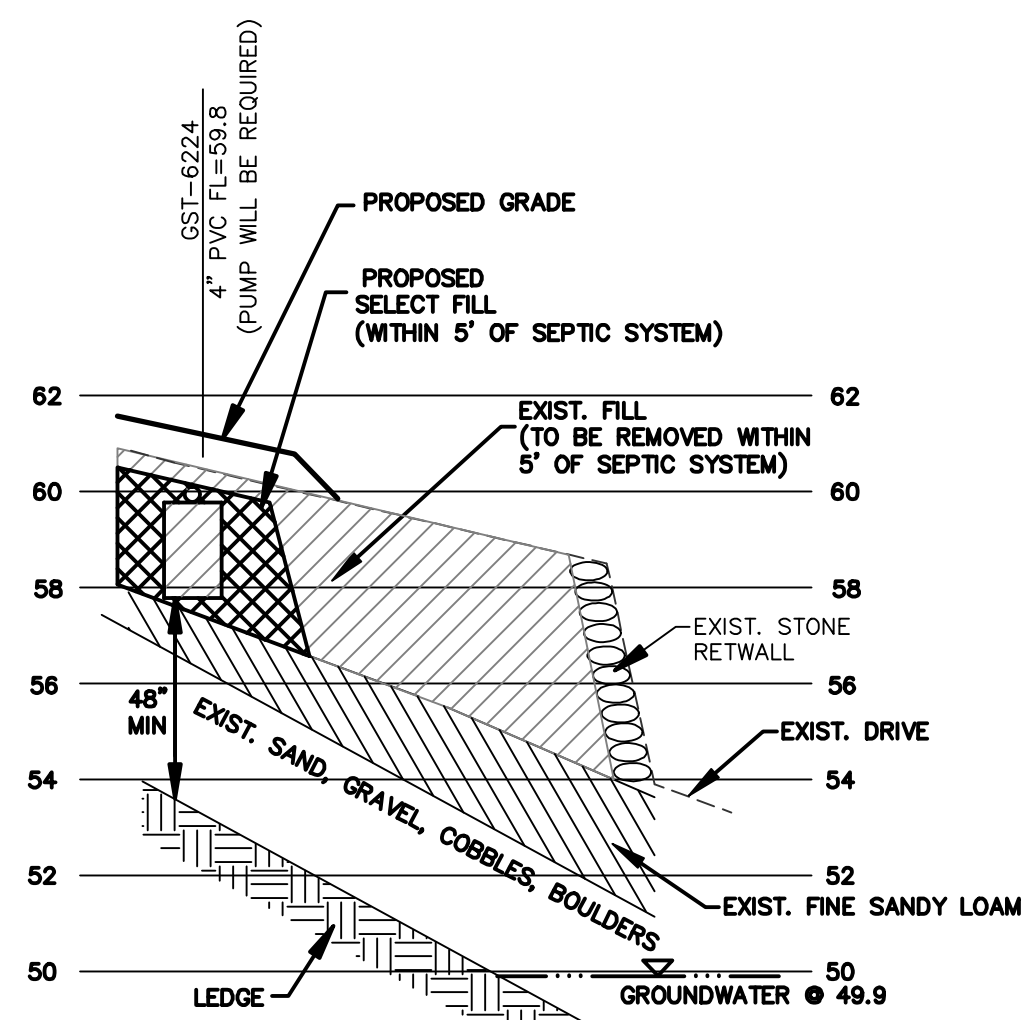


**PERCOLATION TEST DATA**

PERC. TEST: 1  
 DATE: 6-18-21  
 DEPTH: 59"  
 RATE: 40 MIN./IN.

PERC. TEST: 2  
 DATE: 7-28-21  
 DEPTH: 57"  
 RATE: TEST NOT RUN

PERC. TEST: 3  
 DATE: 8-8-21  
 DEPTH: 59"  
 RATE: 40 MIN./IN.



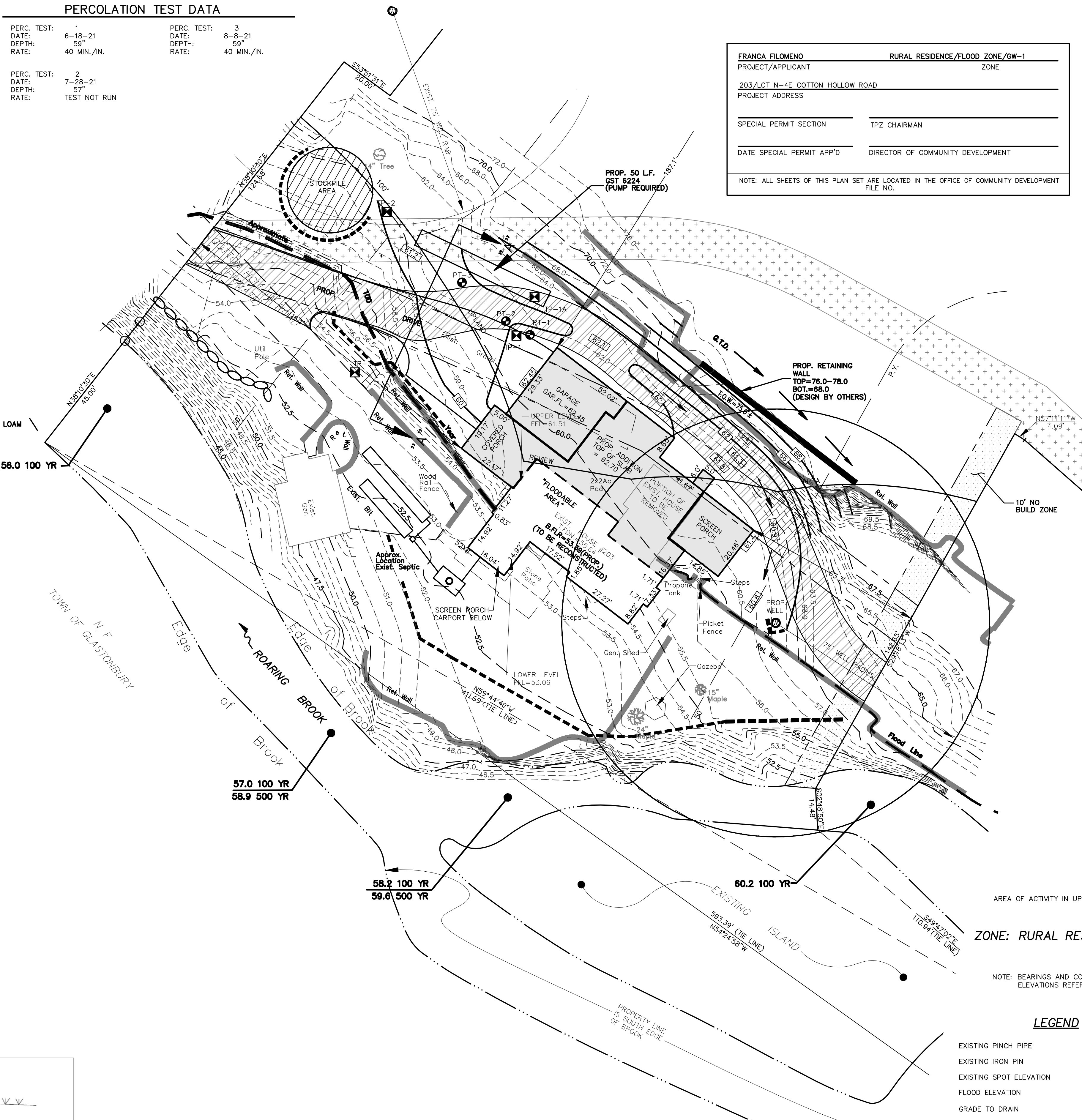
**CROSS SECTION A-A**  
 SCALE: HORZ. 1"=20'  
 VERT. 1"=4'

56.0 100 YR

57.0 100 YR  
 58.9 500 YR

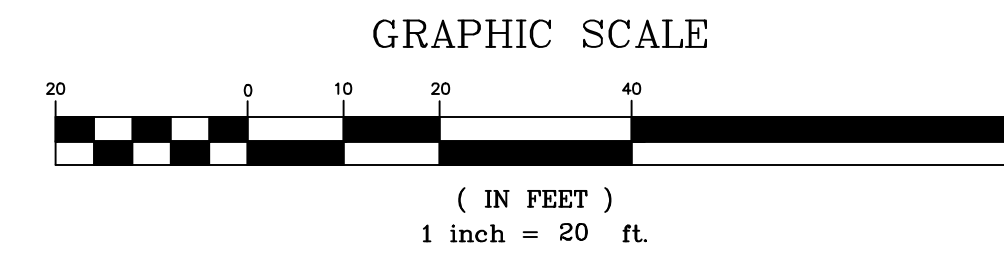
58.2 100 YR  
 59.8 500 YR

**FRANCA FILOMENO** RURAL RESIDENCE/FLOOD\_ZONE/GW-1  
 PROJECT/APPLICANT ZONE  
 203/LOT N-4E COTTON HOLLOW ROAD  
 PROJECT ADDRESS  
 SPECIAL PERMIT SECTION TPZ CHAIRMAN  
 DATE SPECIAL PERMIT APP'D DIRECTOR OF COMMUNITY DEVELOPMENT  
 FILE NO.  
 NOTE: ALL SHEETS OF THIS PLAN SET ARE LOCATED IN THE OFFICE OF COMMUNITY DEVELOPMENT



**FLOOD STORAGE CALCULATIONS**

FILL IN FLOOD ZONE	0 C.Y.
INCREASE IN FLOOD STORAGE DUE TO FLOOD VENTING OF EXIST BASEMENT	220 C.Y.



**LEGEND**

- EXISTING PINCH PIPE
- EXISTING IRON PIN
- EXISTING SPOT ELEVATION
- FLOOD ELEVATION
- GRADE TO DRAIN
- EXISTING CONTOUR
- PROPOSED CONTOUR
- STAKED HAYBALES/SILT FENCE

NOTE: BEARINGS AND COORDINATES REFER TO NAD 83 DATUM  
 ELEVATIONS REFER TO NAVD 88 DATUM

PROPOSED TEMPORARY RIGHTS TO INGRESS AND EGRESS TO BE GRANTED TO THE TOWN OF GLASTONBURY FOR THE PURPOSE OF MAINTENANCE AND UPKEEP OF "PARCEL A" SET TO EXPIRE ON 3-10-2023

PERMANENT RIGHTS TO INGRESS AND EGRESS TO BE GRANTED TO THE TOWN OF GLASTONBURY FOR THE PURPOSE OF MAINTENANCE AND UPKEEP OF "PARCEL A"

REV. 2-24-22 REGULATED ACTIVITY APPROVAL  
 REV. 2-11-22 PROPOSED ADDITION  
 REV. 12-28-21 UPDATE PLAN  
 REV. 10-4-21

CK. BY: JLH  
 DRW. BY: TCJ  
 DATE: 5-19-21  
 SCALE: 1"=20'  
 SHEET 2 OF 2  
 MAP NO. 60-21-1PP

**#203/LOT N-4E COTTON HOLLOW ROAD**  
 PREPARED FOR  
**DANIEL FILOMENO/ACOUSTICS, INC.**  
 SOUTH GLASTONBURY, CONN.

**MEGSON, HEAGLE & FRIEND**  
 CIVIL ENGINEERS & LAND SURVEYORS, LLC  
 81 RANKIN ROAD  
 GLASTONBURY, CONN. 06033  
 PHONE (860)-659-0587

THIS MAP IS NOT VALID IF MODIFIED IN ANY WAY AND/OR DOES NOT BEAR THE EMBOSSED SEAL OF THE UNDERSIGNED.  
 I HEREBY DECLARE TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS PLAN IS SUBSTANTIALLY CORRECT.  
 JONATHAN H. SZCZUREK  
 P.E. # 266158

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