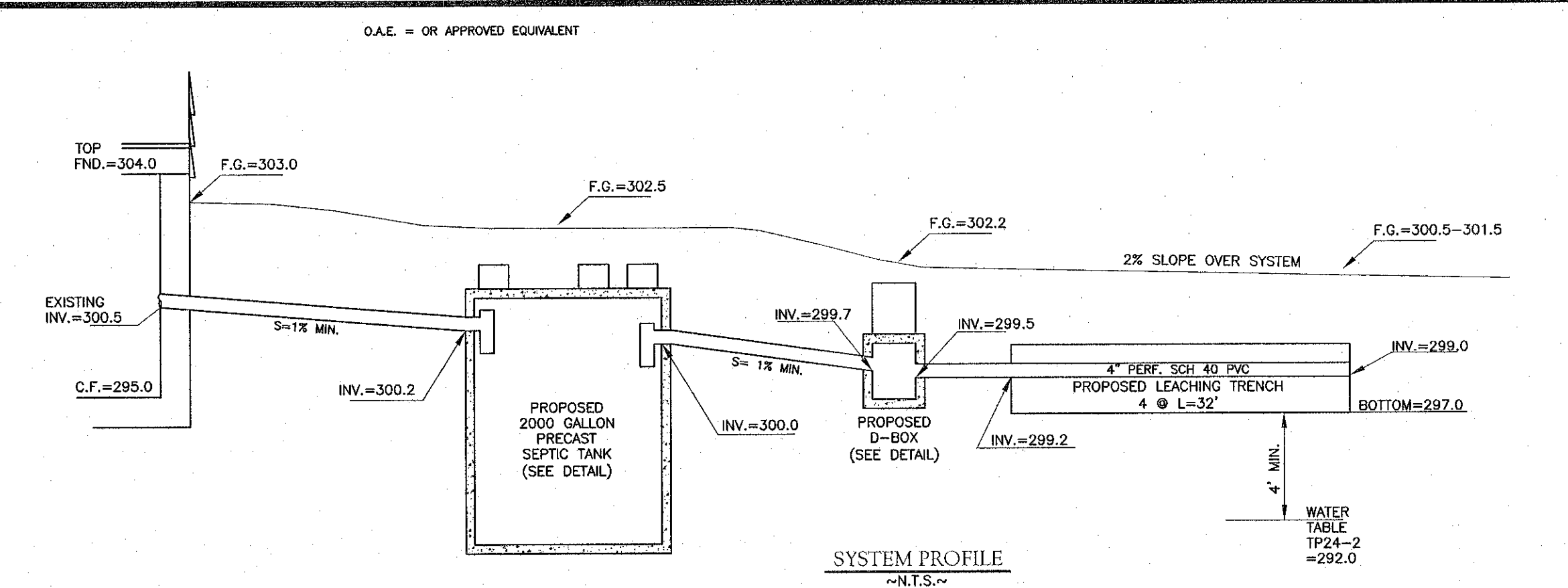
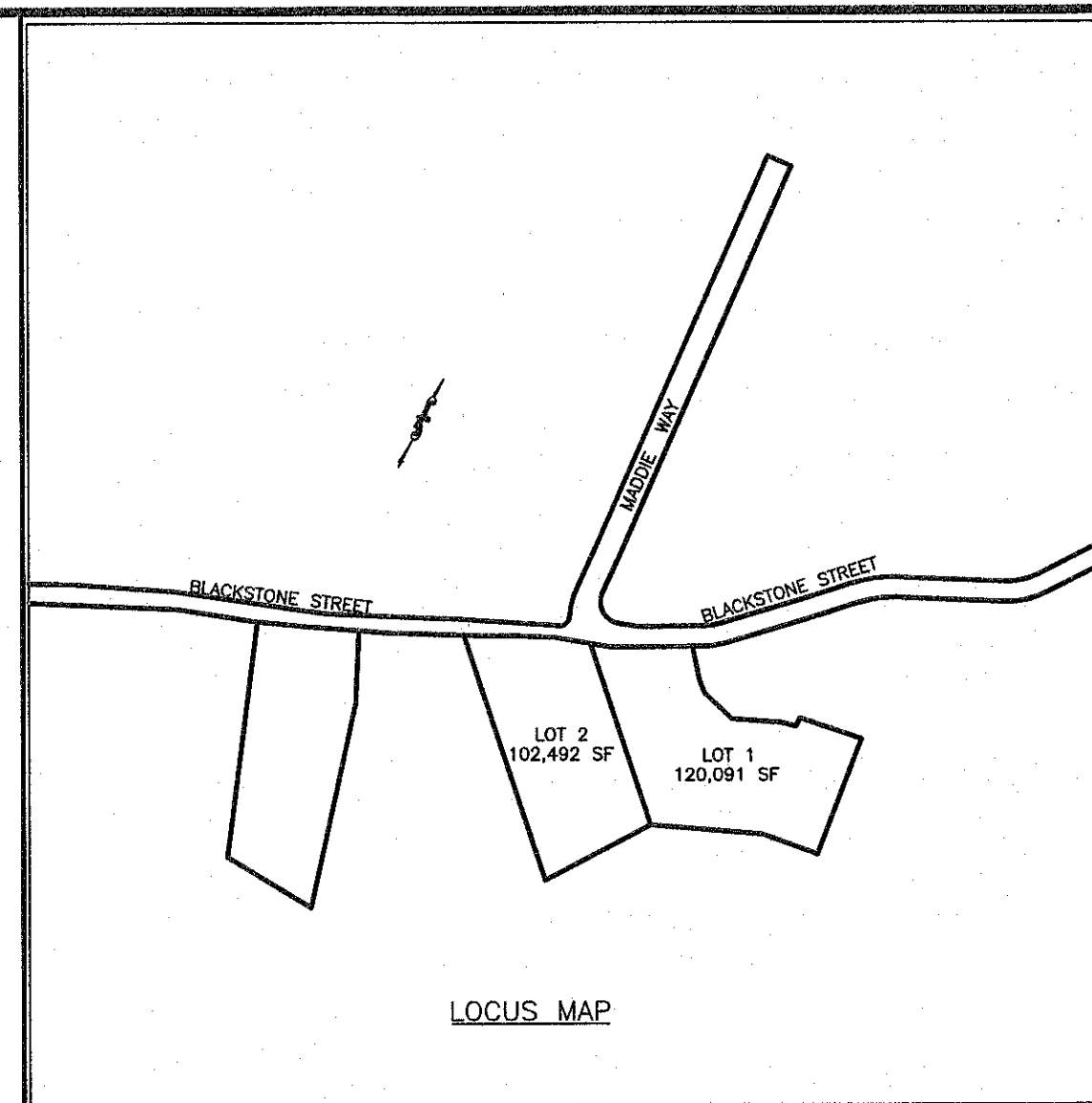
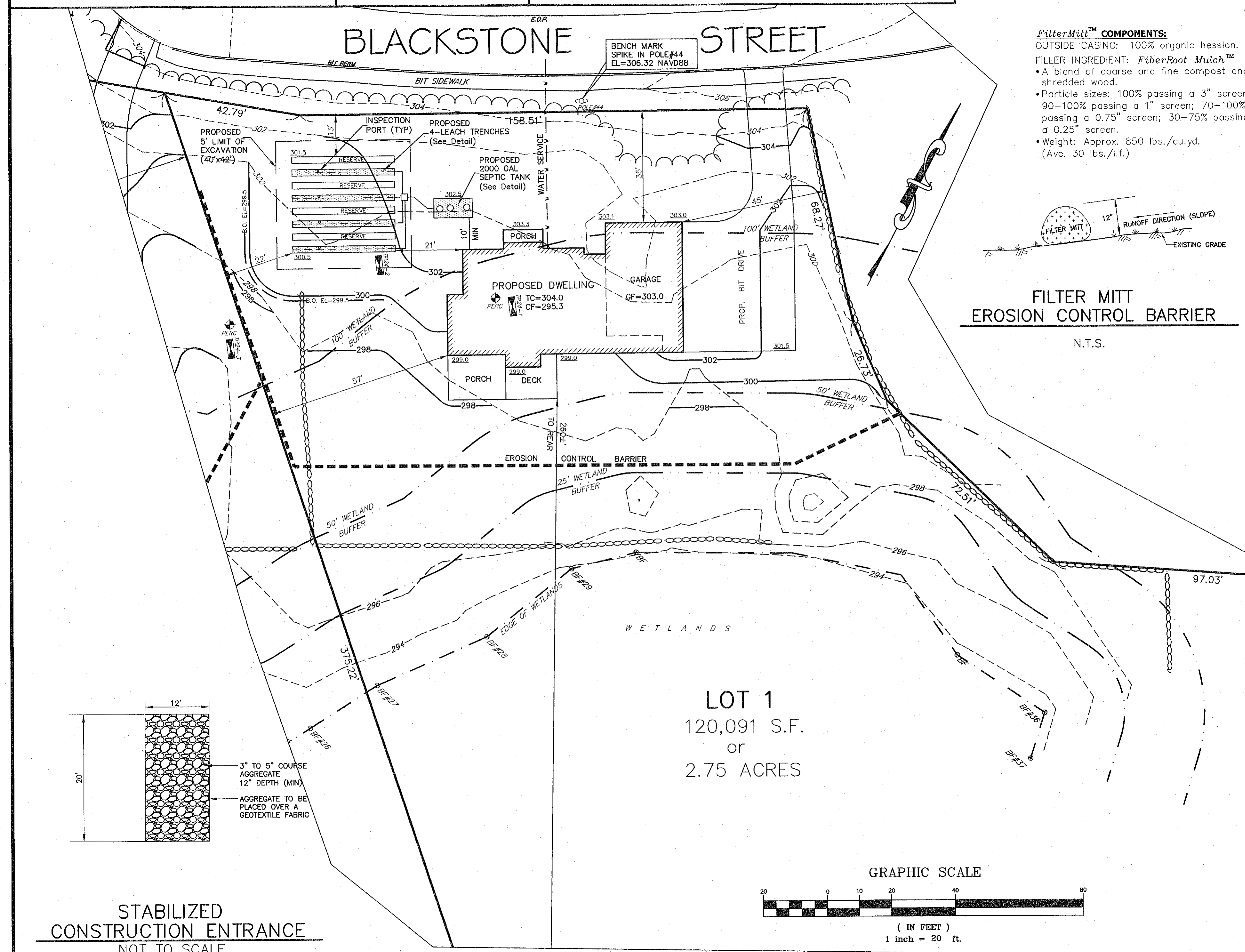




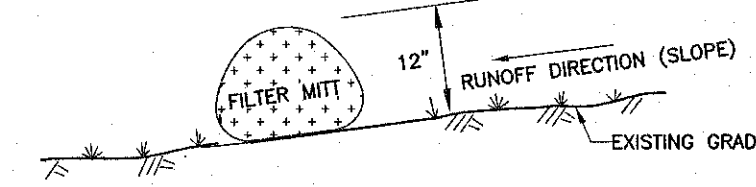
PERCOLATION TEST RESULTS			
TEST HOLE - 24-1		TEST HOLE - 24-2	
DATE: 5/22/24		DATE: 5/22/24	
DEPTH: 42-60"		DEPTH: 42-60"	
SOAK	9:05	SOAK	10:12
12"		12"	10:28
11"		11"	
10"		10"	
9"	25 Gal	9"	10:33
8"		8"	
7"		7"	
6"		6"	10:41
RATE: 2.0 M.P.I.		RATE: 3.0 M.P.I.	

CONSTRUCTION NOTES:

- ALL PIPING TO BE "1" SCH 40 PVC UNLESS OTHERWISE NOTED
- ALL PIPES JOINTS TO BE WATER TIGHT.
- BUILDING SURFACE TO BE LAID ON COMPACTED FIRM BASE.
- ALL COMPONENTS SHALL BE MARKED WITH MAGNETIC MARKING TAPE PRIOR TO BACK FILLING.
- BACKFILL MUST BE SUFFICIENTLY COMPACTED TO PREVENT SETTLEMENT.
- SOIL PLACED AS BACKFILL OVER THE SYSTEM MUST BE CLEAN AND FREE OF STONES >"6". TAILINGS, CLAY OR SIMILAR MATERIALS ARE PROHIBITED.
- FINAL COVER OVER THE SYSTEM SHALL BE STABILIZED (LOAMED & SEEDS)



FilterMilt™ COMPONENTS:
OUTSIDE CASING: 100% organic hessian.
FILLER INGREDIENT: *FiberRoot Mulch™*
• A blend of coarse and fine compost and shredded wood.
• Particle sizes: 100% passing a 3" screen; 90–100% passing a 1" screen; 70–100% passing a 0.75" screen; 30–75% passing a 0.25" screen.
• Weight: Approx. 850 lbs./cu.yd. (Ave. 30 lbs./l.f.)



FILTER MITT
EROSION CONTROL BARRIER

N.T.S.

NOTE:
THE WETLAND DELINEATION WAS
CONDUCTED BY GODDARD
CONSULTING INC., 291 MAIN
STREET, NORTHBOROUGH, MA.

ZONING CLASSIFICATION:
ARGRICULTURAL - A
LOT AREA: 80,000 S.F.
FRONTAGE: 200 ft.
SETBACKS:
 FRONT: 30'
 SIDE: 15'
 REAR: 20'

ASSESSOR'S REFERENCE:
MAP 62, LOT 1

*NO GARBAGE GRINDER ALLOWED
NEW CONSTRUCTION

TYPE OF FACILITY SERVED

SINGLE FAMILY DWELLING - 5 BEDROOMS

DESIGN FLOW :

$$5 \text{ BEDROOMS} \times 110 \text{ GAL./DAY/BEDROOM} = 550 \text{ G.P.D.}$$

SEPTIC TANK SIZING:

DESIGN FLOW x 200%

$$550 \text{ GAL.} \times 200\% = 1100 \text{ GALLONS}$$

SEPTIC TANK PROPOSED: 2000 GALLON 2-COMPARTMENT

SYSTEM SIZING CALCULATIONS

GARBAGE GRINDER: NO

DESIGN FLOW = 550 GPD

EFFLUENT LOADING RATE = 0.74 GPD/SF

$$\text{LEACHING AREA REQUIRED} = 550 \text{ GPD} / 0.74 \text{ GPD/SF} = 743 \text{ SF}$$

SYSTEM DESIGN

LEACHING TRENCHES - 4 @ 32'L x 24"W x 24"H

BOTTOM AREA: $4 \times 32'L \times 2'W = 256 \text{ S.F.}$

SIDEWALL AREA: $8 \times 32' L \times 2' H = 512 \text{ S}$

LEACHING AREA PROVIDED = 768 S.F.

$$\text{FLOW PROVIDED} = 768 \text{ S.F.} \times 0.74 \text{ GAL./S.F.} = 568 \text{ G.P.D.}$$

LEGEND

—168—	EXISTING CONTOUR ELEVATION
—166—	PROPOSED CONTOUR ELEVATION
	DEEP TEST SOIL PIT
	PERCOLATION TEST
163.0	PROPOSED SPOT ELEVATION

- NO PUBLIC WELLS WITHIN 400 FEET EXCEPT AS SHOWN.
- NO PRIVATE WELLS WITHIN 200 FEET EXCEPT AS SHOWN.
- NO WETLANDS, INLAND BANKS, OR SURFACE WATERS WITHIN 150 FEET EXCEPT AS SHOWN.
- NO SURFACE WATER SUPPLIES WITHIN 400 FEET EXCEPT AS SHOWN.
- NO SURFACE DRAINS EXCEPT AS SHOWN.
- NO SURFACE OR SUBSURFACE DRAINS WHICH INTERCEPT GROUND WATER EXCEPT AS SHOWN.
- LOCATION OF FLOODWAY SHOWN IF ANY.
- NO 100 YEAR FLOOD LIMIT, EXCEPT IF SHOWN.
- SITE IS NOT WITHIN A NITROGEN SENSITIVE AREA.

IT SHALL BE THE RESPONSIBILITY OF THE APPLICANT AND OR CONTRACTOR TO VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. ALL UTILITIES WITHIN A BUILDING SHALL BE REVIEWED BY THE APPROPRIATE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ANY INTERIOR OR EXTERIOR WORK. DIG SAFE IS TO BE NOTIFIED 72 BUSINESS HOURS IN ADVANCE OF CONSTRUCTION (1-888-344-7233).

Soil Evaluator Certification: I certify that I am currently approved by the D.E.P. pursuant to 310 CMR 15.017 to conduct soil evaluations and that the above analysis has been performed by me consistent with the required training, expertise and experience described in 310 CMR 15.017. I further certify that the results of my soil evaluation are accurate and in accordance with 310 CMR 15.100 through 15.107.

GENERAL CONSTRUCTION NOTES:

1. THE DETAILS SHOWN ARE GENERAL IN NATURE AND ARE NOT INTENDED TO SHOW EVERY POSSIBLE INSTALLATION REQUIREMENT. THE CONTRACTOR SHALL BE KNOWLEDGEABLE IN THE REFERENCED CODES, INSTALLATION REQUIREMENTS AND PROVIDE NECESSARY LABOR, MATERIALS AND EQUIPMENT TO INSTALL A FUNCTIONAL SYSTEM.
2. COMPONENTS SHALL NOT TO BE BACKFILLED OR CONCEALED WITHOUT INSPECTION BY AND PERMISSION FROM BOARD OF HEALTH.
3. IT IS THE RESPONSIBILITY OF THE APPLICANT TO OBTAIN THE SERVICES OF THE DESIGN ENGINEER TO PROVIDE PROPER INSTRUCTIONS FOR CERTIFICATIONS AND AS-BUILT DOCUMENTATION.
4. INSTALLER REQUIRED TO PROVIDE PROPER CERTIFICATION.
5. LEACHING AREA TO BE FLAGGED FOR PROTECTION UNTIL CERTIFICATE OF COMPLIANCE IS OBTAINED.
6. NO STOCKPILING OF MATERIALS OVER SYSTEM.
7. NO TRAFFIC OR PARKING OVER SYSTEM.
8. BOTTOM AND SIDES OF EXCAVATION AREA SHALL BE SCARIFIED.
9. PLACEMENT OF FILL SHALL BE DONE BY STOCKPILING AT THE EDGE OF THE EXCAVATION AREA AND PUSHED OR CAST IN PLACE.
10. FILL SHALL NOT BE PLACED IN THE EXCAVATION AREA DURING RAIN OR SNOW STORM.
11. IF ANY FILL IS TO BE PLACED BELOW THE WATER TABLE, DEWATERING IS REQUIRED PRIOR TO PLACEMENT.

TO ENSURE THE PERFORMANCE OF THE SYSTEM, MAINTENANCE SHOULD
BE PERFORMED ANNUALLY BY A LICENSED SEWAGE PUMPING CONTRACTOR.

GLM ENGINEERING CONSULTANTS, INC. WILL NOT BE RESPONSIBLE FOR THE PERFORMANCE OF THIS SYSTEM UNLESS CONSTRUCTED AND INSPECTED IN ACCORDANCE WITH THIS PLAN. INSPECTIONS TO BE DONE AFTER EXCAVATION FOR SYSTEM AND AFTER CONSTRUCTION, BUT PRIOR TO BACKFILLING. ANY ALTERATION MUST BE APPROVED IN WRITING BY GLM ENGINEERING CONSULTANTS, INC.

5' LIMIT OF EXCAVATION (40' x 42')
ALL TOPSOIL, SUBSOIL AND ANY DELETERIOUS MATERIAL MUST BE REMOVED FROM THE AREA OF THE SYSTEM AND OTHER DESIGNATED LIMITS AND FILLED WITH APPROVED, CLEAN, GRANULAR SAND. THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN 2 INCHES AND BE GRADED SO NOT MORE THAN 45% OF THE SAMPLE IS RETAINED IN A #4 SIEVE, OF THAT PASSING, 20% OR LESS SHALL PASS A #100 SIEVE AND 5% OR LESS SHALL PASS THE #200 SIEVE. NOT MORE THAN 90% SHALL BE RETAINED ON THE #50 SIEVE. SAMPLE FOR SIEVE ANALYSIS TO BE TAKEN FROM SAMPLE IN PLACE.

ALL CONSTRUCTION & COMPONENTS SHALL CONFORM TO THE LATEST REQUIREMENTS OF 310 CMR 15.000 TITLE 5 OF THE STATE ENVIRONMENTAL CODE AND THE TOWN OF BELLINGHAM BOARD OF HEALTH REGULATIONS.

	BENCH MARK	SPIKE IN POLE#44; ELEV=306.32
	(DATE: MAY 2002)	FRONT BOLT HYDRANT: ELEV=305.26

COMMONWEALTH OF MASSACHUSETTS
JOYCE E.
HASTINGS
No. 39393
REGISTERED
PLANNING BOARD SUPERVISOR

(DATUM = NAVD83)

**PROPOSED SEWAGE DISPOSAL SYSTEM
LOT 1-BLACKSTONE STREET
BELLINGHAM, MASSACHUSETTS**

APPLICANT:
WALL ST DEVELOPMENT CORP.
P.O. BOX 272
WESTWOOD, MA 02090

TRUAX
Engineering Group, Inc.



ROBERT S. TRUAX

DATE: FEBRUARY 14, 2025

REVISED:

19 EXCHANGE STREET
HOLLISTON, MA 01746

F: 508-429-0416
www.truaxeng.com

DES: RST SCALE: 1" = 20' JOB #20,061 SHEET #1 of

PROFESSIONAL CIVIL ENGINEER	LOT 1-BLACKSTONE STREET
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PROFESSIONAL CIVIL ENGINEER