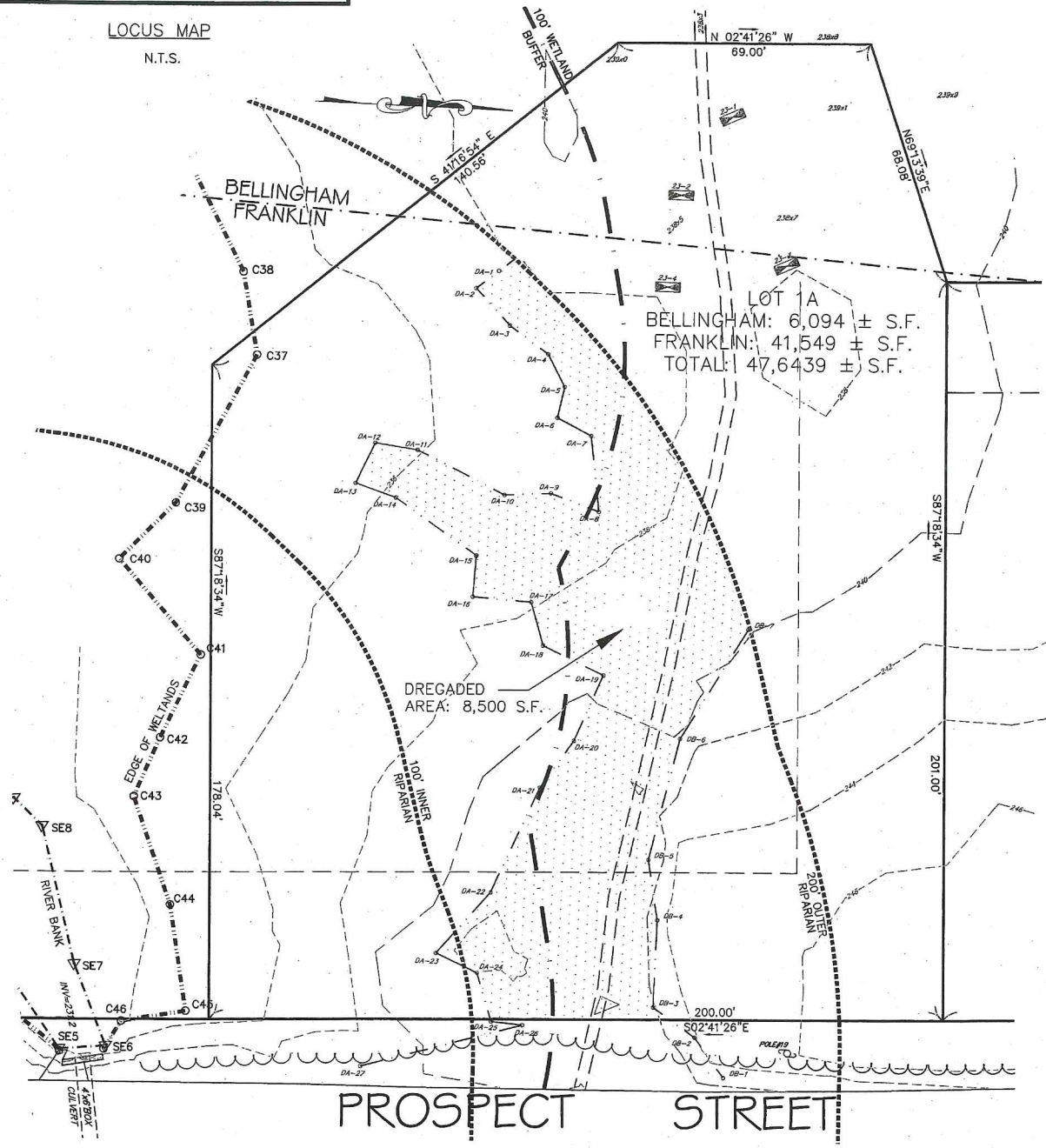


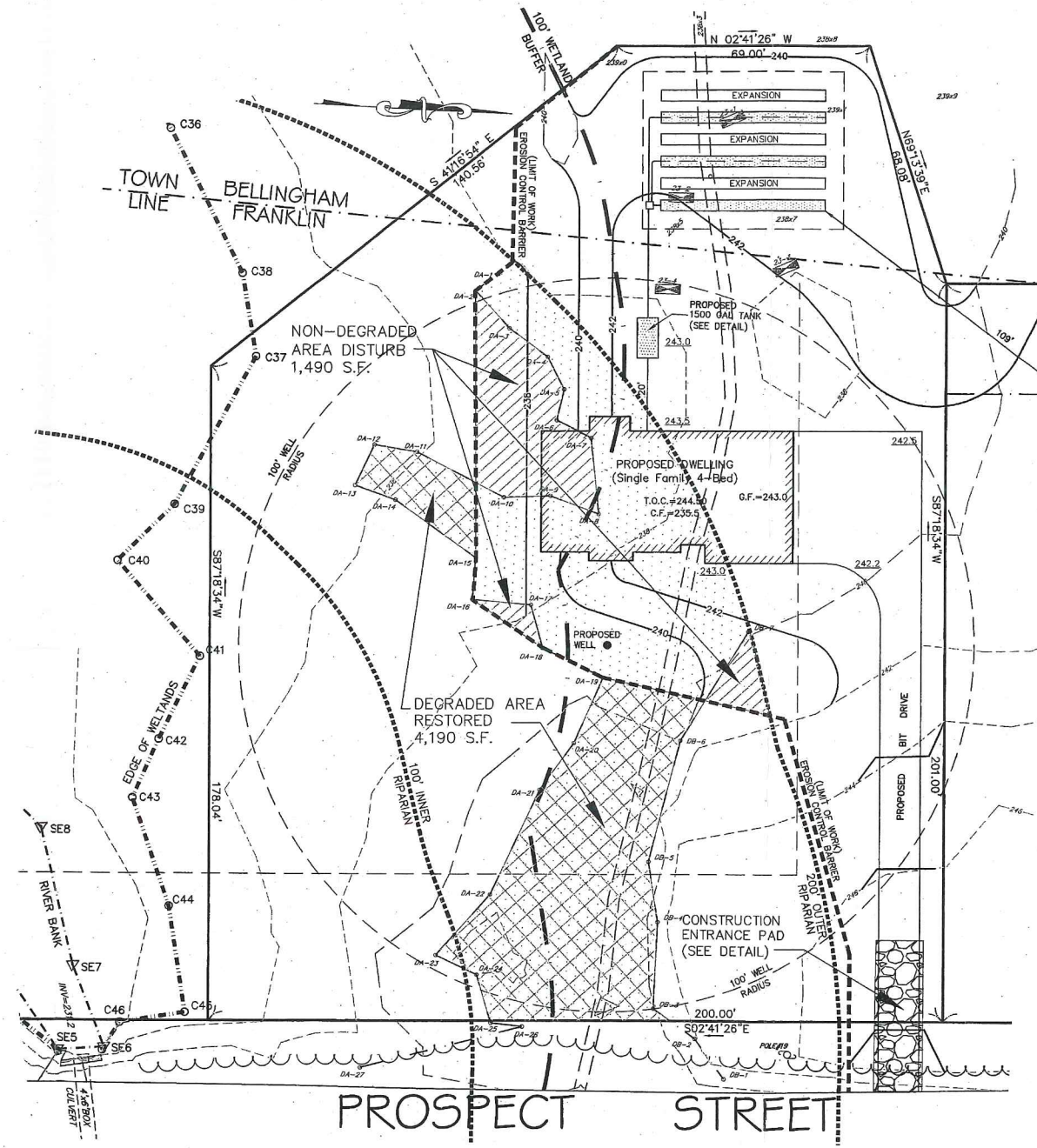
TABLE OF PROJECT RIVERFRONT AREAS

TOTAL RIVERFRONT AREA WITHIN THE PROJECT SITE:	29,252 ± S.F.
TOTAL DEGRADED RIVERFRONT AREA:	8,500 ± S.F.
TOTAL RIVERFRONT AREA DISTURBED:	
DEGRADED RIVERFRONT:	4,312 S.F.
NON-DEGRADED RIVERFRONT:	1,490 S.F.
TOTAL AREA:	5,802 S.F.
DEGRADED RIVERFRONT RESTORED:	4,190 S.F.

LOCUS MAP
N.T.S.



EXISTING CONDITIONS



PROPOSED CONDITIONS

REVISIONS	DESCRIPTION
No.	DATE

JOYCE E. HASTINGS
CHIEF ENGINEER
REGISTERED PROFESSIONAL LAND SURVEYOR
No. 39093
6/12/23

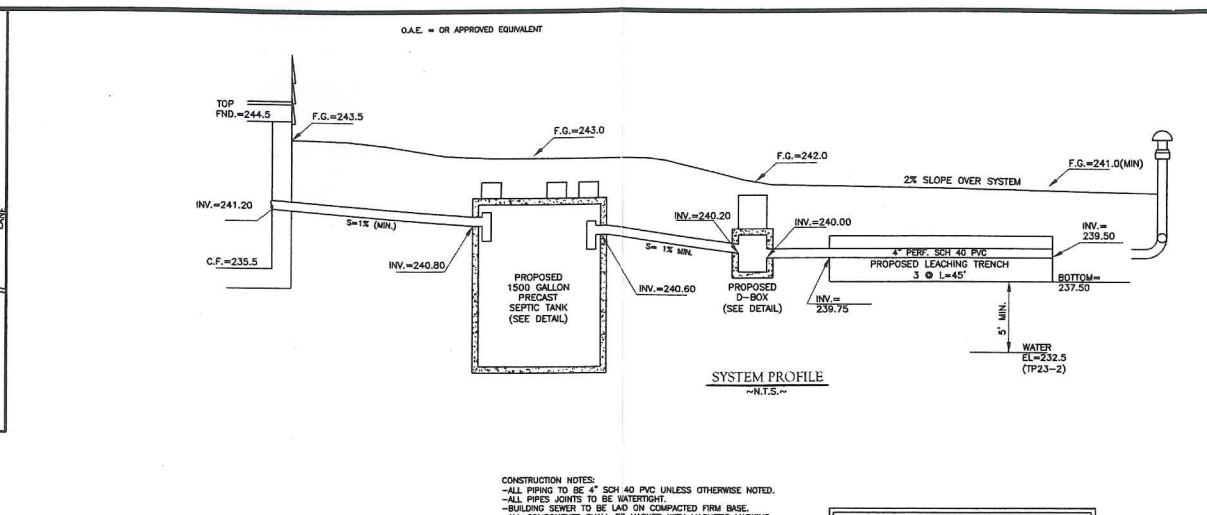
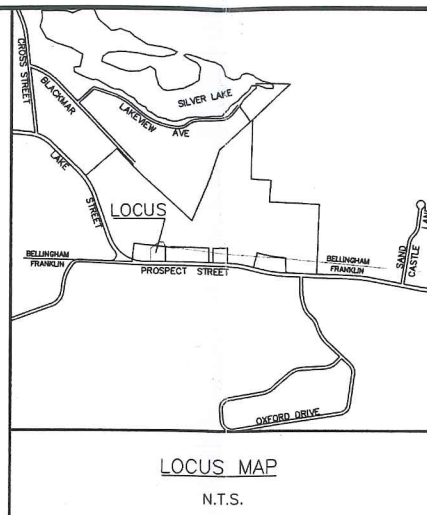
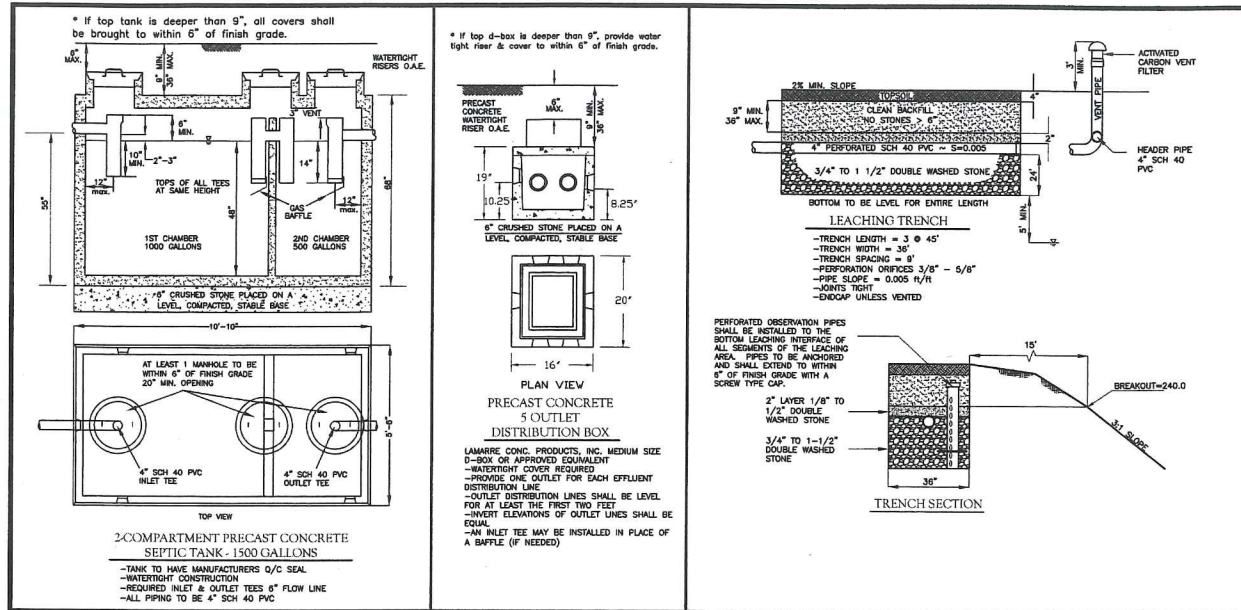
ROBERT S. TRUAX
CHIEF ENGINEER
REGISTERED PROFESSIONAL LAND SURVEYOR
No. 58927
6/12/23

**PROPOSED HOUSE LOCATION PLAN
"LOT 1A - PROSPECT STREET"
FRANKLIN, MASSACHUSETTS**

PREPARED FOR:
WALL STREET DEVELOPMENT CORP.
P.O. BOX 272
WESTWOOD, MASSACHUSETTS

GCLM Engineering Consultants, Inc.
19 EXCHANGE STREET
HOLLISTON, MA 01746
P: 508-429-1100
F: 508-429-7160
www.GLMengineering.com

JOB No.	16,590
DATE:	JUNE 12, 2023
SCALE:	1"=20'
SHEET:	1 of 1
PLAN #:	27,495



CONSTRUCTION NOTES:

- ALL PIPING TO BE 4" SCH 40 PVC UNLESS OTHERWISE NOTED.
- ALL PIPING JOINTS TO BE WATER-TIGHT.
- BUILDING SITES 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 SETTLING.
- SOIL PLACED AS BACKFILL OVER THE SYSTEM MUST BE CLEAN AND FREE OF STONES > 4", TALLS, CLAY OR SIMILAR MATERIALS ARE PROHIBITED.
- FINAL COVER OVER THE SYSTEM SHALL BE STABILIZED (LOAMED & SEEDED).

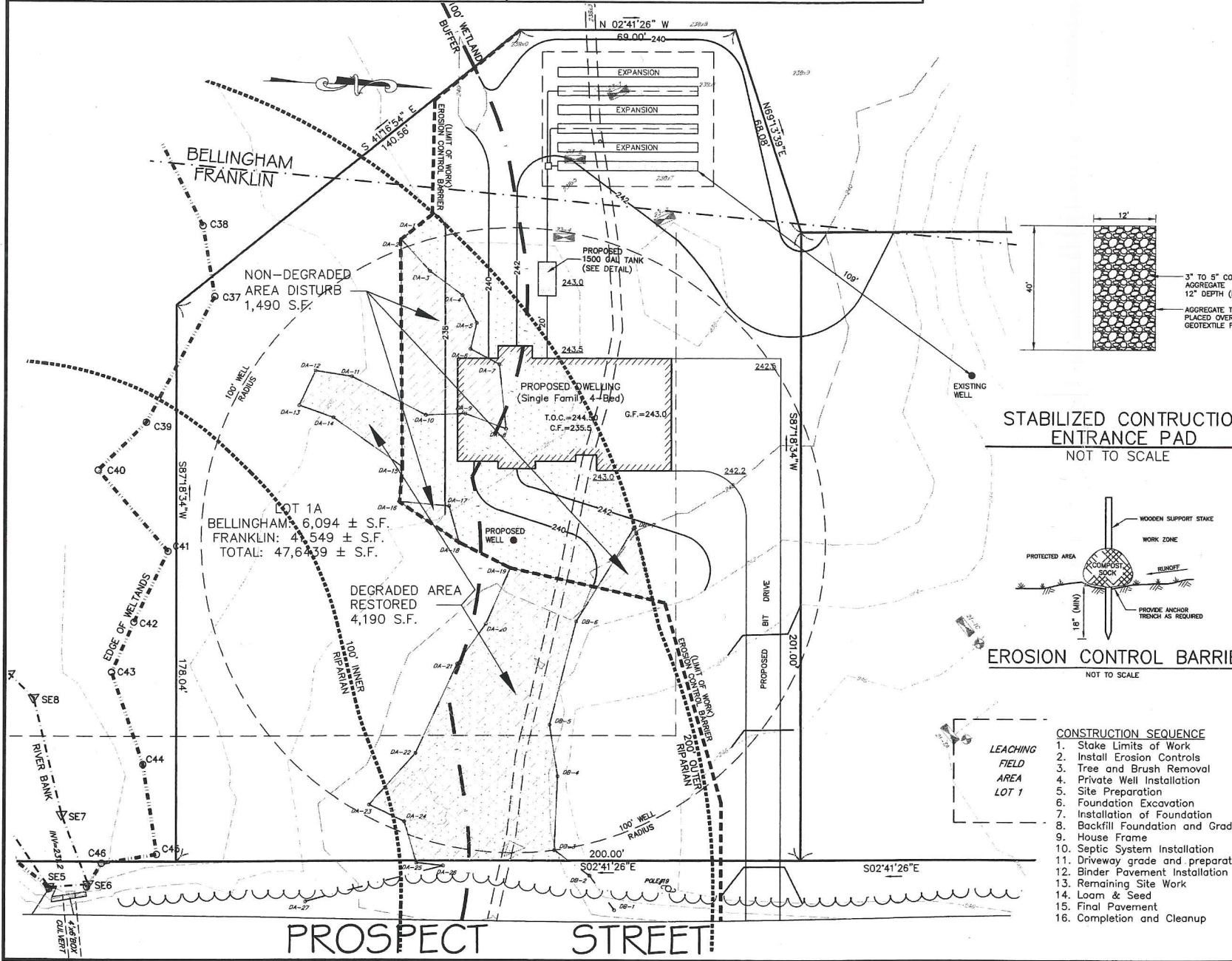
PERCOLATION TEST RESULTS

TEST HOLE	DATE	DEPTH	RATE
23-1	6/06/23	36"-54"	<2.0 M.P.I.
23-2	6/06/23	28"-44"	<2.0 M.P.I.

DEEP OBSERVATION HOLE LOGS

DEEP HOLE - 23-1			DEEP HOLE - 23-2			DEEP HOLE - 23-3			DEEP HOLE - 23-4		
HORIZ. DEPTH	DATE	ELEV.	HORIZ. DEPTH	DATE	ELEV.	HORIZ. DEPTH	DATE	ELEV.	HORIZ. DEPTH	DATE	ELEV.
0"	6/06/23	238.6	0"	6/06/23	238.5	0"	6/06/23	238.0	0"	6/06/23	238.0
4"			4"			4"			4"		
6"			6"			6"			6"		
8"			8"			8"			8"		
10"			10"			10"			10"		
12"			12"			12"			12"		
14"			14"			14"			14"		
16"			16"			16"			16"		
18"			18"			18"			18"		
20"			20"			20"			20"		
22"			22"			22"			22"		
24"			24"			24"			24"		
26"			26"			26"			26"		
28"			28"			28"			28"		
30"			30"			30"			30"		
32"			32"			32"			32"		
34"			34"			34"			34"		
36"			36"			36"			36"		
38"			38"			38"			38"		
40"			40"			40"			40"		
42"			42"			42"			42"		
44"			44"			44"			44"		
46"			46"			46"			46"		
48"			48"			48"			48"		
50"			50"			50"			50"		
52"			52"			52"			52"		
54"			54"			54"			54"		
56"			56"			56"			56"		
58"			58"			58"			58"		
60"			60"			60"			60"		
62"			62"			62"			62"		
64"			64"			64"			64"		
66"			66"			66"			66"		
68"			68"			68"			68"		
70"			70"			70"			70"		
72"			72"			72"			72"		
74"			74"			74"			74"		
76"			76"			76"			76"		
78"			78"			78"			78"		
80"			80"			80"			80"		
82"			82"			82"			82"		
84"			84"			84"			84"		
86"			86"			86"			86"		
88"			88"			88"			88"		
90"			90"			90"			90"		
92"			92"			92"			92"		
94"			94"			94"			94"		
96"			96"			96"			96"		
98"			98"			98"			98"		
100"			100"			100"			100"		

CERTIFIED SOIL EVALUATOR: ROBERT TRUAX
 WITNESSED BY B.O.H. AGENT: WADE SAUCIER
 DESIGN PERCOLATION RATE: 6.0 M.P.I.



ASSESSOR'S REFERENCE:
308-079

NEW CONSTRUCTION

TYPE OF FACILITY SERVED:
SINGLE FAMILY DWELLING - 4 BEDROOMS

DESIGN FLOW:
4 BEDROOMS x 110 GAL./DAY/BEDROOM = 440 G.P.D.

SEPTIC TANK SIZING:
DESIGN FLOW x 200%
440 GAL. x 200% = 880 GALLONS
SEPTIC TANK PROPOSED: 1500 GALLON 2-COMPARTMENT

SYSTEM SIZING CALCULATIONS:
GARBAGE GRINDER: YES
DESIGN FLOW = 440 GPD
EFFLUENT LOADING RATE = 0.74 GPD/SF
(INCREASE AREA BY 50% IF GARBAGE GRINDER)
LEACHING AREA REQUIRED = 440 GPD/0.74 GPD/SF + 50% = 892 SF

SYSTEM DESIGN
LEACHING TRENCHES - 3 @ 45' L x 36" W x 24" H
BOTTOM AREA: 3 x 45' L x 3' W = 405 S.F.
SIDEWALL AREA: 6 x 45' L x 2' H = 540 S.F.
LEACHING AREA PROVIDED = 945 S.F.
FLOW PROVIDED = 945 S.F. x 0.74 GAL./S.F. = 699 G.P.D.

LEGEND

- 246- PROPOSED CONTOUR
- 247- EXISTING CONTOUR
- DEEP HOLE TEST
- PERCOLATION TEST
- WETLAND FLAG

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 OR SUBSURFACE DRAINS WHICH INTERCEPT GROUND WATER EXCEPT AS SHOWN.
 LOCATION OF FLOODING SHOWN IF ANY.
 NO 100 YEAR FLOOD LIMIT, EXCEPT IF SHOWN.
 SITE IS 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)

GENERAL CONSTRUCTION NOTES:

- THE DETAILS SHOWN ARE GENERAL IN NATURE AND ARE NOT INTENDED TO SHOW EVERY POSSIBLE INSTALLATION REQUIREMENT. THE CONTRACTOR SHALL BE KNOWLEDGABLE IN THE REFERENCED CODES, INSTALLATION REQUIREMENTS AND PROVIDE NECESSARY LABORS AND EQUIPMENT TO INSTALL A FUNCTIONAL SYSTEM.
- COMPONENTS SHALL NOT BE BACKFILLED OR CONCEALED WITHOUT INSPECTION BY AND PERMISSION FROM BOARD OF HEALTH.
- IT IS THE RESPONSIBILITY OF THE APPLICANT TO OBTAIN THE SERVICES OF THE DESIGN ENGINEER TO PROVIDE PROPER INSPECTIONS FOR CERTIFICATIONS AND AS-BUILT PLANS.
- INSTALLER REQUIRED TO PROVIDE PROPER CERTIFICATION.
- LEACHING AREA TO BE FLAGGED FOR PROTECTION UNTIL CERTIFICATE OF COMPLIANCE IS OBTAINED.
- NO STOCKPILING OF MATERIALS OVER SYSTEM.
- NO TRAFFIC OR PARKING OVER SYSTEM.
- BOTTOM AND SIDES OF EXCAVATION AREA SHALL BE SCARPED.
- PLACEMENT OF FILL SHALL BE DONE BY STOCKPILING AT THE EDGE OF THE EXCAVATION AREA AND PUSHED OR CAST IN PLACE.
- FILL SHALL NOT BE PLACED IN THE EXCAVATION AREA DURING RAIN OR SNOW STORM.
- 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 (NONE)
 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. NOTE MORE THAN 90% SHALL BE RETAINED ON THE #50 SIEVE. SAMPLE FOR SIZE 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 FRANKLIN BOARD OF HEALTH REGULATIONS.

BENCH MARK
(DATUM = NAVD88) TO BE SET PRIOR TO CONSTRUCTION

PROPOSED SEWAGE DISPOSAL SYSTEM
LOT 1A - PROSPECT STREET
FRANKLIN, MASSACHUSETTS

OWNER/APPLICANT:
 WALL STREET DEV. CORP.
 PO BOX 272
 WESTWOOD MA 02090

DATE: JUNE 12, 2023
 REVISED:

GLM Engineering Consultants, Inc.
 19 EXCHANGE STREET
 HOLLISTON, MA 01746
 P: 508-429-1100
 F: 508-429-7160
 www.GLMEngineering.com

DES: RST SCALE: 1" = 20' JOB #16,950 SHEET #S1
LOT 1 - PROSPECT STREET