

PERCOLATION TEST RESULTS	
TEST HOLE - 24-4	TEST HOLE - 24-5
DATE: 5/22/24	DATE: 5/22/24
DEPTH: 32-50"	DEPTH: 38-56"
SOAK 11:08	SOAK 11:17
12" 11:23	12" 11:32
11" 10"	11" 11:38
9" 11:29	9" 11:38
8" 8"	
7" 7"	
6" 11:35	6" 11:45
RATE: 2.0 M.P.L.	RATE: 3.0 M.P.L.

DEEP OBSERVATION HOLE LOGS

DEEP HOLE - 24-4		DEEP HOLE - 24-5		DEEP HOLE - 24-6	
HORIZ. DATE: 5/22/24	ELEV: 296.3	HORIZ. DATE: 5/22/24	ELEV: 295.3	HORIZ. DATE: 5/22/24	ELEV: 294.0
DEPTH SOIL DESCRIPTION		DEPTH SOIL DESCRIPTION		DEPTH SOIL DESCRIPTION	
0" LOAM 10YR3/2		0" LOAM 10YR3/2		0" LOAM 10YR5/8	
8" Bw		8" Bw		8" Bw	
22" 294.7		22" 297.2		22" 291.5	
REMOVE		REMOVE		REMOVE	
C1 SAND		C1 SAND		C1 SAND	
Med-Fine Gravel 25% Gravel 2.5YR5/4		Med-Fine Gravel 25% Gravel 2.5YR5/4		Med-Fine Sand 2.5YR5/4	
98" 288.3		98" 289.8		98" 289.0	
78" GROUNDWATER OBSERVED		78" GROUNDWATER OBSERVED		78" GROUNDWATER OBSERVED	
None SOIL MOTTLING		None SOIL MOTTLING		None SOIL MOTTLING	
102" GROUNDWATER OBSERVED		102" GROUNDWATER OBSERVED		102" GROUNDWATER OBSERVED	
94" GROUNDWATER OBSERVED		94" GROUNDWATER OBSERVED		94" GROUNDWATER OBSERVED	
60" GROUNDWATER OBSERVED		60" GROUNDWATER OBSERVED		60" GROUNDWATER OBSERVED	
78" ESTIMATED SEASONAL HIGH GROUNDWATER 289.8		78" ESTIMATED SEASONAL HIGH GROUNDWATER 287.4		78" ESTIMATED SEASONAL HIGH GROUNDWATER 289.0	

CERTIFIED SOIL EVALUATOR : ROBERT TRUAX, SE#2476
WITNESSED BY B.O.H. AGENT : STEVE DONATELLI
DESIGN PERCOLATION RATE : 3.0 M.P.L. CLASS I

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.

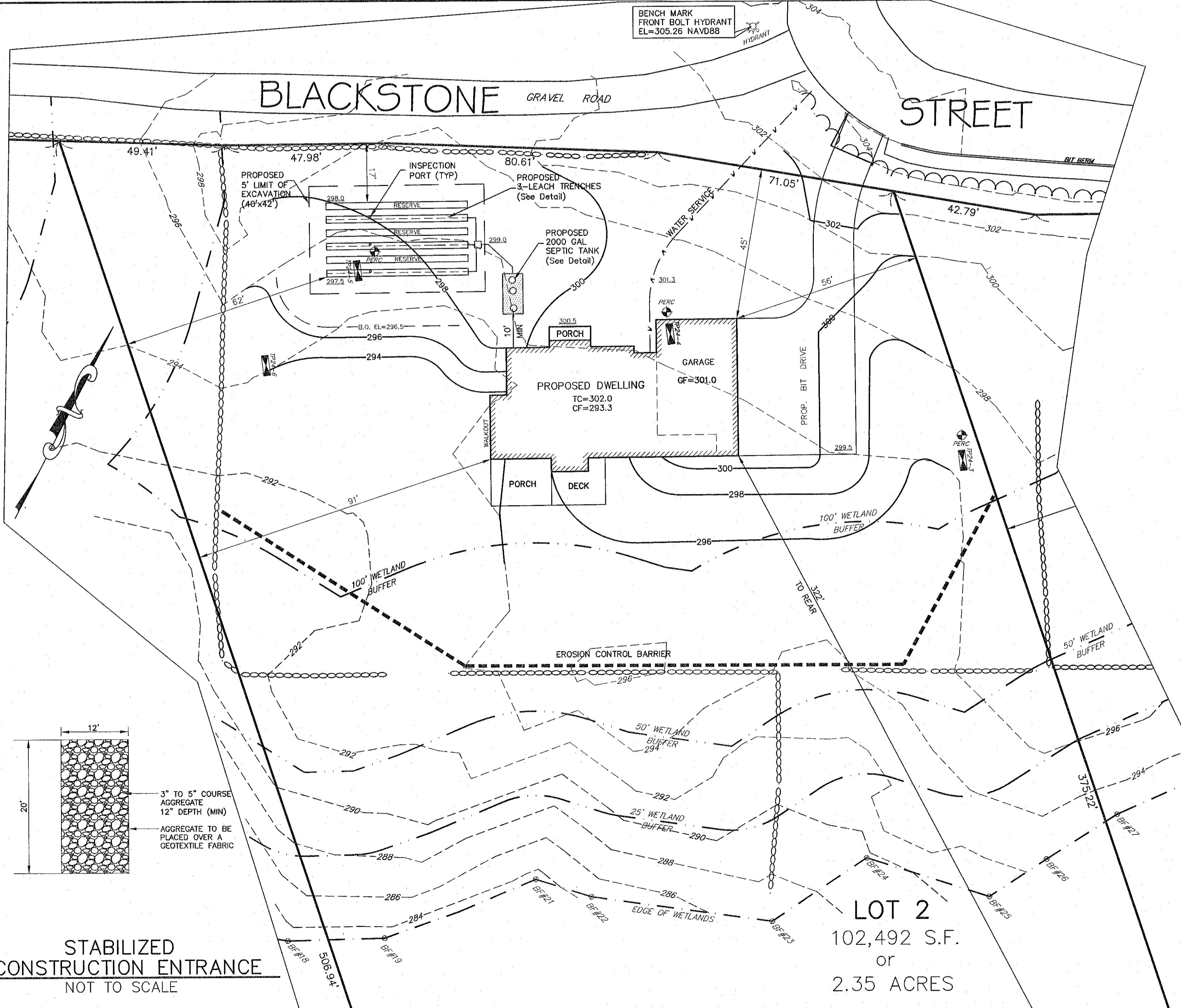
GENERAL CONSTRUCTION NOTES:
1. THE DETAILS SHOWN ARE GENERAL IN NATURE AND ARE NOT INTENDED TO SHOW EVERY POSSIBLE INSTALLATION REQUIREMENT. THE CONTRACTOR SHALL BE KNOWLEDGEABLE IN THE REFERENCED CODES, INSTALLATION REQUIREMENTS AND PROVIDE NECESSARY LABOR, MATERIALS AND EQUIPMENT TO INSTALL A FUNCTIONAL SYSTEM.
2. COMPONENTS SHALL NOT BE TO BE BACKFILLED OR CONCEALED WITHOUT INSPECTION BY AND PERMISSION FROM BOARD OF HEALTH.
3. THE RESPONSIBILITY OF THE APPLICANT TO OBTAIN THE SERVICES OF THE DESIGN ENGINEER TO PROVIDE PROPER INSPECTIONS FOR CERTIFICATIONS AND AS-BUILT PLANS.
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 DUMPING OF PARTS 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 (32' x 52')
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 SAND SHALL NOT CONTAIN ANY MATERIAL LARGER THAN 2 INCHES AND SHALL BE GRADED SO NOT MORE THAN 45% OF THE SAMPLE IS RETAINED IN A #4 SIEVE OR 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.



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 166 PROPOSED CONTOUR ELEVATION
 164 DEEP TEST SOIL PIT
 162 PERCOLATION TEST
 160 PROPOSED SPOT ELEVATION
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