

GENERAL NOTES

- SYSTEM IS DESIGNED ONLY TO ACCOMMODATE SANITARY SEWAGE ASSOCIATED WITH NORMAL DOMESTIC USAGE.
- THIS PLAN IS TO SHOW THE DESIGN OF THE SUBSURFACE SEWAGE DISPOSAL SYSTEM ONLY.
- THIS SYSTEM IS NOT DESIGNED FOR GARBAGE GRINDERS. SYSTEM SHALL BE VENTED THROUGH BUILDING PLUMBING AS REQUIRED BY THE BUILDING CODE OR AS SHOWN ON THIS PLAN.
- PROPERTY LINES SHOWN ARE FOR GRAPHIC PURPOSES ONLY. PROPERTY LINES SHOULD BE ESTABLISHED PRIOR TO CONSTRUCTION OF SYSTEM. NO REPRESENTATION OR CERTIFICATION AS TO THE ACCURACY OF THOSE SHOWN IS IMPLIED OR INTENDED.
- APPLICABLE ZONING REGULATIONS SHALL BE CONFIRMED BY OWNER OR CONTRACTOR PRIOR TO CONSTRUCTION.
- THERE ARE NO EXISTING WELLS WITHIN 100' OF THE PROPOSED SEWAGE DISPOSAL SYSTEM. (50' OF SEPTIC TANK.)
- THERE ARE NO EXISTING DISPOSAL SYSTEMS WITHIN 100' OF THE PROPOSED WELL.
- ALTERATIONS ARE PROPOSED WITHIN 100 FT. OF A WETLAND (POND BROOK, SWAMP) FILING SHOULD BE COMPLETED AND SUBMITTED TO ASHLAND CONSERVATION COMMISSION. (MGL C131 S40)
- SEPTIC TANK SHOULD BE PERIODICALLY INSPECTED AND MAINTAINED, IF NECESSARY, SHOULD BE PUMPED WHEN SLUDGE DEPTH IN BOTTOM EXCEEDS 1/4 THE LIQUID DEPTH. (2-4 YEARS OF USE)
- THIS PLAN WAS PREPARED FOR UTILIZATION IN THE CONSTRUCTION AND DESIGN OF THIS PROJECT ONLY. REPRODUCTION OF THIS PLAN IN WHOLE, OR IN PART, OR BY ADAPTATION, IS STRICTLY PROHIBITED WITHOUT THE WRITTEN CONSENT OF THE DESIGN ENGINEER AND FIRM.
- THE DESIGN ENGINEER AND FIRM SHALL BE NOTIFIED IN WRITING, PROMPTLY OF ANY PLAN DEFICIENCIES FOUND DUE TO UNFORESEEN SUBSURFACE CONDITIONS OR OTHER REASONS.
- ANY VARIANCES OR DEVIATIONS IN DESIGN OR CONSTRUCTION FROM THIS PLAN OR ANY OF THE AFORESAID CONDITIONS RELATING TO THE USE OR MAINTENANCE OF THE PROPOSED SYSTEM SHALL BE DEEMED TO VOID ANY CERTIFICATIONS OR REPRESENTATIONS MADE RELATIVE TO THIS SUBSURFACE DISPOSAL SYSTEM.
- THIS DISPOSAL SYSTEM HAS BEEN DESIGNED TO SPECIFICATIONS OF THE MASSACHUSETTS TITLE V STATE SANITARY CODE AND LOCAL BOARD OF HEALTH REGULATIONS. NO GUARANTEE IS EXPRESSED OR IMPLIED THAT THE SYSTEM WILL FUNCTION CORRECTLY.
- THIS PLAN WAS PREPARED UTILIZING APPLICABLE REGULATIONS ON FILE AT THIS OFFICE AT THE TIME OF PLAN PREPARATION. OWNER AND CONTRACTORS SHALL CONFIRM IF THOSE REGULATIONS ARE APPLICABLE AT THE TIME OF CONSTRUCTION.
- IF AS-BUILT INFORMATION IS SHOWN ON THIS PLAN, IT IS ACCOMPANIED BY AN ENGINEER'S CERTIFICATE. NEITHER DOCUMENT IS COMPLETE WITHOUT THE OTHER.
- ANY DEVIATIONS, I.E. "FIELD CHANGES" FROM THE DESIGN PLAN(S) MUST BE APPROVED BY THE DESIGN ENGINEER IN WRITING. CONTRACTOR SHOULD BE AWARE THAT LOCAL AND STATE AUTHORITIES HAVE THE JURISDICTION AND APPROVALS MUST BE OBTAINED THROUGH THOSE RESPECTIVE OFFICES) PRIOR TO THE IMPLEMENTATION OF THE "FIELD CHANGE". HALCY WARD, INC. ASSUMES NO LIABILITY OR RESPONSIBILITY FOR WORK COMPLETED WITHOUT REGARD TO THE PRIOR MENTIONED "FIELD CHANGE" PROCEDURE.
- UTILITY LOCATIONS AND ELEVATIONS SHOWN HEREON SHALL BE CONSIDERED APPROXIMATE. ALL UTILITIES, WHETHER SHOWN ON THIS PLAN OR NOT, THAT ARE DAMAGED BY THE CONTRACTOR, ARE TO BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- RELOCATION OF ANY UTILITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF THE APPROPRIATE UTILITY COMPANY AND/OR REGULATORY AGENCY.
- ***DIG SAFE NOTE *** IN ACCORDANCE WITH MGL CH82, SEC. 40 INCLUDING AMENDMENTS, ALL CONTRACTORS SHALL NOTIFY UTILITY COMPANIES AND GOVERNMENT AGENCIES IN WRITING, OF THE INTENT TO EXCAVATE NO LESS THAN 72 HOURS PRIOR TO SUCH EXCAVATION (EXCLUSIVE OF SATURDAYS, SUNDAYS AND HOLIDAYS), OR CALL "DIG-SAFE" AT 1-888-DIG-SAFE.

DESIGN NOTES

- SEPTIC TANK SHALL BE APPROVED DESIGN AND WATERTIGHT. MANHOLES SHALL EXTEND WITHIN 6" OF FINAL GRADE.
- SEPTIC TANKS IN AREAS OF POSSIBLE VEHICLE TRAFFIC SHALL BE DESIGNED FOR AASHTO HS20-44 LOADING.
- SEPTIC TANK MUST BE OFFSET 10 FT. FROM FOUNDATION WALLS. LEACHING FACILITIES MUST BE OFFSET 20 FT. FROM FOUNDATION WALLS.
- BUILDING SEWER SHALL BE IN ACCORDANCE WITH STATE PLUMBING CODE AND HAVE 1 FOOT OF COVER IN AREAS NOT SUBJECT TO VEHICLE TRAFFIC AND 4 FEET IN AREAS SUBJECT TO VEHICLE TRAFFIC (OR SLEEVED).
- PIPE FROM SEPTIC TANK TO DISTRIBUTION BOX SHALL BE LAID TRUE TO LINE AND GRADE, AND BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. MINIMUM COVER SHALL BE 3 FEET (UNLESS LESS THAN 50 FEET LONG) AND 4 FEET IS PREFERRED.
- DISTRIBUTION BOX OUTLETS TO BE LEVEL-FIRST PIPE LENGTHS TO BE LAID LEVEL. D-BOX TO BE PLACED ON STABLE BASE. SOLVENT WELDED PVC TEE, CUT OFF 1" ABOVE OUTLETS, IS REQUIRED IF SLOPE OF INLET PIPE EXCEEDS 8%.
- REMOVE ALL TOP & SUB SOIL IN 5 FOOT PERIMETER IN SHADED AREA. AND FILL WITH CLEAN GRANULAR SAND FREE FROM ORGANIC MATTER AND OTHER DELETERIOUS SUBSTANCES AS REQUIRED PER 310 CMR: 15.295. (CONSTRUCTION IN FILL), OF THE STATE ENVIRONMENTAL CODE, TITLE 5.
- PERIMETER DRAIN TO BE LAID IN 3/4"-1-1/2" WASHED STONE AT A 1% SLOPE. SEE DETAIL IF REQUIRED.
- THE BOTTOM ELEVATION OF THE PRESBY PIPE IS CRITICAL ON A PRESBY SYSTEM. BREAKOUT AS REQUIRED BY TITLE 5: 15' OF A HORIZONTAL LEVEL AREA, FOLLOWED BY A 3:1 RETURN SLOPE. (SEE SITE PLAN FOR REQUIRED GRADING.)
- SOIL ABSORPTION SYSTEM CONSTRUCTION TO BE WITH MINIMUM SOIL COMPACTION.
- ALL NATURAL SOIL (OR FILL) INTERFACES SHALL BE SCARIFIED PRIOR TO PLACEMENT OF STONE.
- ALL STONE SHALL BE DURABLE, CRUSHED, DOUBLE-WASHED STONE FREE FROM IRON, FINES, AND DUST IN PLACE.
- ALL LOAM, LARGE BOULDERS, OR FOREIGN MATERIAL ENCOUNTERED DURING EXCAVATION TO BE REMOVED FROM SOIL ABSORPTION AREA.
- FILL SHALL BE COMPACTED TO MINIMIZE SETTLEMENT AND SHALL BE CLEAN GRANULAR SAND FREE FROM ORGANIC MATTER AND OTHER DELETERIOUS SUBSTANCES. MIXTURES AND LAYERS OF DIFFERENT CLASSES OF SOILS SHALL NOT BE USED.
- CHANGES IN SLOPE OR DIRECTION WILL BE AT A CLEANOUT.
- INVERTS SHALL NOT BE "BUILT UP" TO BE MADE LEVEL. COVER SHALL BE SET IN THIN BEAD OF BITUMEN.
- FINISHED SURFACE OF SOIL ABSORPTION AREA SHALL BE GRADED TO INSURE RUNOFF (2% MINIMUM).
- ALL DISTURBED AREAS TO BE MAINTAINED TO PREVENT EROSION. LOAM & SEED IS PREFERRED.
- BUILDING MAY BE RELOCATED IF APPROVED BY THE BOARD OF HEALTH PROVIDED THAT IT DOES NOT CHANGE THE DESIGN.
- WATER SERVICE TO BE LOCATED A MINIMUM OF TEN, (10'), FROM ALL COMPONENTS OF THE SOIL ABSORPTION SYSTEM INCLUDING SEPTIC TANK, D-BOX, PRIMARY AND RESERVE AREAS.

- NOTES:
- THE SUBJECT PREMISES ARE GRAPHICALLY SITUATED IN THE HIGHWAY COMMERCE (CH) ZONING DISTRICT, WITH THE FOLLOWING MINIMUM DIMENSIONAL REQUIREMENTS:
- | | |
|------------------------|-------------|
| MINIMUM LOT FRONTAGE: | 150 FEET |
| MINIMUM LOT AREA: | 30,000 S.F. |
| MINIMUM FRONT SETBACK: | 30 FEET |
| MINIMUM SIDE SETBACK: | 10 FEET |
| MINIMUM REAR SETBACK: | 30 FEET |

- THE SUBJECT PREMISES ARE NOT GRAPHICALLY SITUATED IN THE 100-YEAR FLOOD HAZARD ZONE, PER FLOOD INSURANCE RATE MAP 25017C0514F DATED JULY 7, 2014

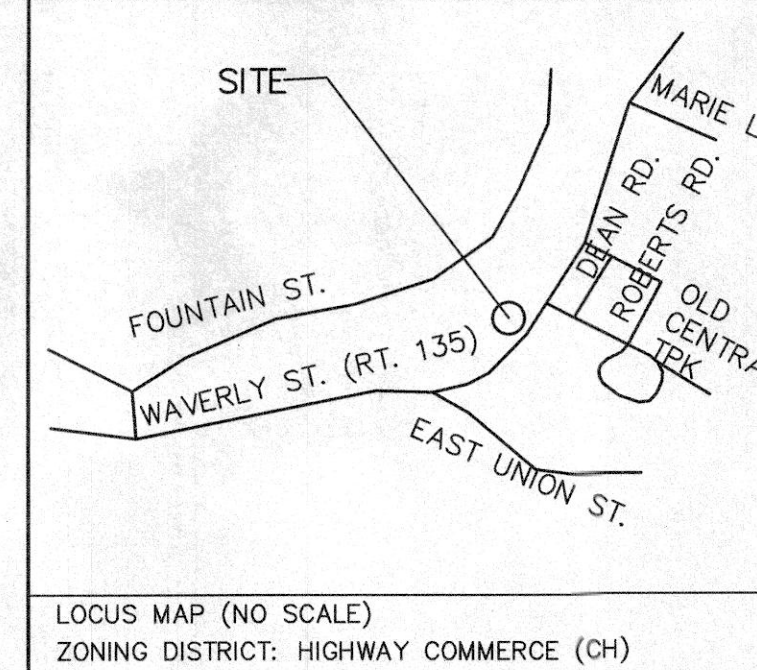
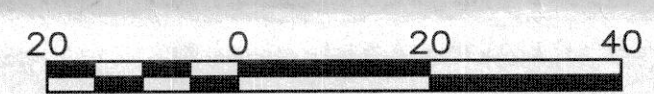
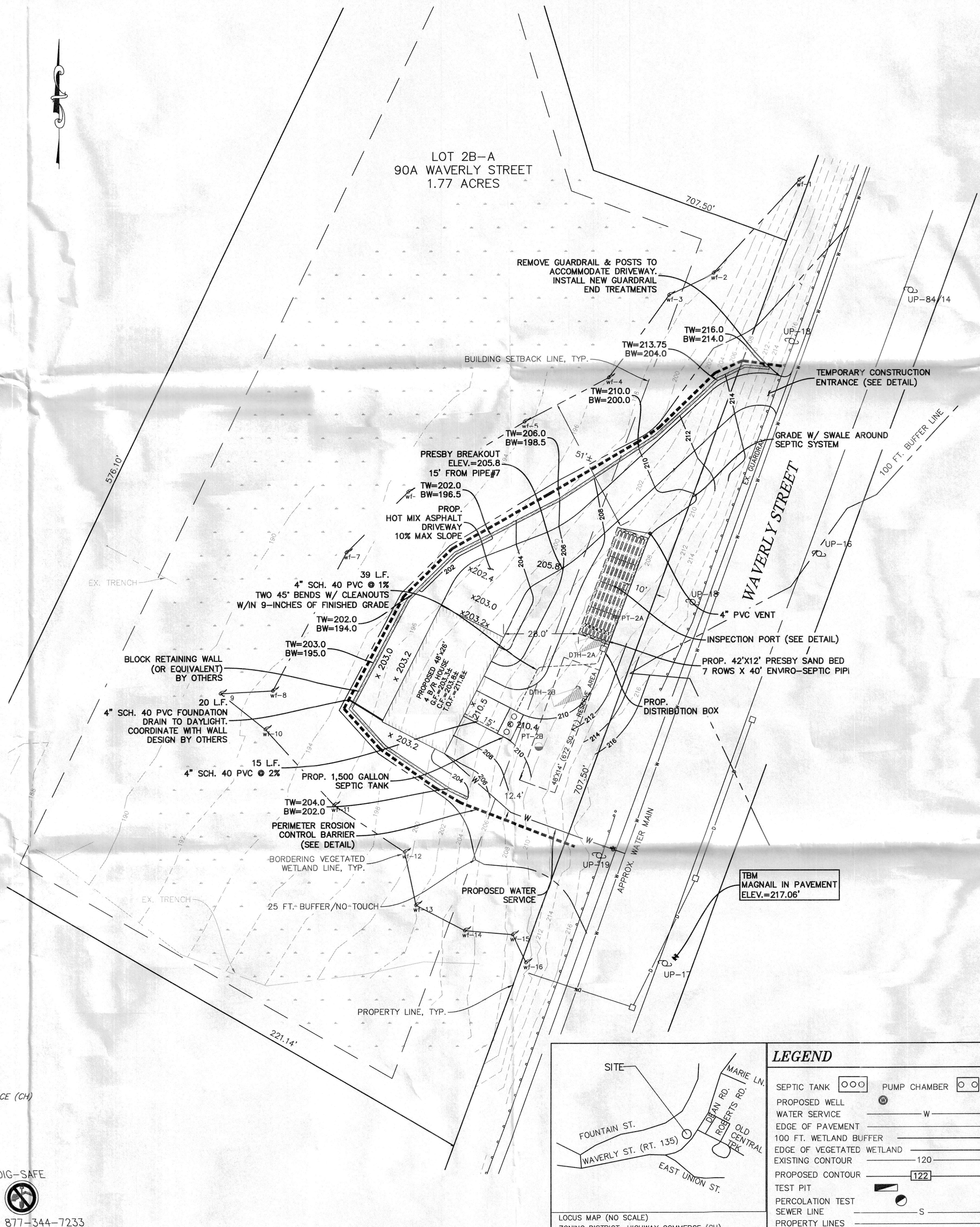
DIG-SAFE

PHONE # 877-344-7233

TEST PIT DATA

DEEP HOLE OBSERVATION LOGS							DATE: MAR. 29, 2000
ELEV.=208.0±	SOIL	SOIL	SOIL COLOR	SOIL NOTTING	SOIL STRUCTURE	SOIL CONSISTENCY	OTHER (X GRAVEL/STONES/BOULDERS)
DEPTH FROM SURFACE (FEET)	HORIZON	TEXTURE	(MUNSELL)				
0-12"	A	SANDY LOAM	10 YR 3/2				
12-34"	Bw	SANDY LOAM	10 YR 5/6				
34-112"	C	LOAMY SAND	2.5 Y 5/3				
GROUNDWATER: STANDING WATER: 112" WEEPING FROM PIT FACE: - ESTIMATED SEASONAL HIGH GROUNDWATER: -							
PARENT MATERIAL: MELT-OUT TILL				DEPTH TO BEDROCK: >112"			
PERFORMED BY: JOSEPH NIHILL				WITNESSED BY: MARK ORAM			

DEEP HOLE OBSERVATION LOGS							DATE: MAR. 29, 2000
ELEV.=208.0±	SOIL	SOIL	SOIL COLOR	SOIL NOTTING	SOIL STRUCTURE	SOIL CONSISTENCY	OTHER (X GRAVEL/STONES/BOULDERS)
DEPTH FROM SURFACE (FEET)	HORIZON	TEXTURE	(MUNSELL)				
0-2"	A	LOAM	10 YR 3/2				
8-32"	Bw	SANDY LOAM	10 YR 5/6				
32-96"	C	LOAMY SAND	2.5 Y 5/3				
GROUNDWATER: STANDING WATER: - WEEPING FROM PIT FACE: - ESTIMATED SEASONAL HIGH GROUNDWATER: >96"							
PARENT MATERIAL: MELT-OUT TILL				DEPTH TO BEDROCK: >96"			
PERFORMED BY: JOSEPH NIHILL				WITNESSED BY: MARK ORAM			



LEGEND

SEPTIC TANK	○○○	PUMP CHAMBER	○ ○
PROPOSED WELL	⊙		
WATER SERVICE	— W —		
EDGE OF PAVEMENT	—		
100 FT. WETLAND BUFFER	—		
EDGE OF VEGETATED WETLAND	—		
EXISTING CONTOUR	— 120 —		
PROPOSED CONTOUR	— 122 —		
TEST PIT	⊠		
PERCOLATION TEST	⊙		
SEWER LINE	— S —		
PROPERTY LINES	—		

AS BUILT TIES - NO SCALE

SYSTEM INSPECTION DATE:
SYSTEM CONSTRUCTED BY:

REV	DATE	DESCRIPTION	BY	CHK
DRAWING ISSUE STATUS				
		HALEY WARD ENGINEERING ENVIRONMENTAL SURVEYING 510 MECHANIC STREET LEOMINSTER, MASSACHUSETTS 978.537.5296		
		PROJECT: LOT 2B-A 90A WAVERLY STREET ASHLAND, MA 01721		
PREPARED FOR:		VICTOR MOURAO 8 JOANNE DRIVE ASHLAND, MA 01721		
TITLE: PROPOSED SOIL ABSORPTION SYSTEM				
DATE: OCTOBER 2, 2024		SCALE: 1" = 20'		
DRAWN BY: CMB	DESIGNED BY: CMB	CHECKED BY: AMC		
PROJECT NO: 3010714.002	COMPS NO:	PLAN NO:		
		1 OF 2		