



BELLINGHAM ZONING BOARD

10 MECHANIC STREET
BELLINGHAM, MASSACHUSETTS 02019
(508) 657-2893 ZoningBoard@bellinghamma.org

SPECIFY TYPE OF APPLICATION

(circle)

Appeal

Special Permit

Variance

APPEAL OF BUILDING INSPECTORS DECISION:

☐ Please attach a copy of the Building Inspector's letter/decision.

SPECIAL PERMIT: (check all that apply)

- | | | |
|---|---|---|
| <input type="checkbox"/> Principal Use | <input type="checkbox"/> Non-Conforming Situation | <input type="checkbox"/> Flood Plain |
| <input type="checkbox"/> Accessory Use | <input type="checkbox"/> Home Occupation | <input type="checkbox"/> Comprehensive Permit |
| <input type="checkbox"/> Multi-Family Housing | <input type="checkbox"/> Earth Removal | <input checked="" type="checkbox"/> Family Apartment <input type="checkbox"/> Other |

VARIANCE: (check all that apply)

- | | | |
|---|---------------------------------------|--|
| <input type="checkbox"/> Rear Yard Setback | <input type="checkbox"/> Area | <input type="checkbox"/> Lot Width |
| <input type="checkbox"/> Side Yard Setback | <input type="checkbox"/> Lot Frontage | <input type="checkbox"/> Percent Area Building |
| <input type="checkbox"/> Front Yard Setback | | |

Petitioner: (type/print) Carol L. Ricker

Signature _____

Email CRicker@pmc-attorneys.com

Address 42 Silver Lake Rd

Phone 774-210-2229

Property Owner: Same as above

Signature _____

Email _____

Address _____

Phone _____

Address of Subject Premises 42 Silver Lake Rd

If no address, description of
property _____

JUL 31 2023

REV AUG 1 '23 09:10:08
BELLINGHAM TOWN CLERK



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Dimensions of Lot:

Frontage: 306'

Depth: 567'±

Area: 3.04AC

Lot Width: 355' ± @ existing dwelling

Zoning District(s) subject premises located: Agriculture (front) Suburban (rear)

Assessor's Map: 72-14 Lot: 12

Describe proposed activity:

Construct a detached two car garage with an in-law apartment above

Are there any buildings on the premises (if so, please describe them including their dimension)?

There is a 4 bedroom dwelling (60' x 26') and a shed (10' x 18')

Describe the subject premises (terrain, septic system, description of area, etc.)

Existing dwelling sits back from street approx. 465' sloping from the street to the dwelling . A septic system expansion is proposed as part of this project.

How long have you owned the subject premises? 10+

What is the present use of the subject premises?

Residential

State grounds for the Special Permit/Variance or Appeal: (please be specific)

Applicant wants a place for Mom to live safely

I attest that I, to the best of my knowledge have paid any and all real estate taxes, excise taxes, license and/or permit fees.

Owner:

Signature

CAROL L. RICKEL
Date 07.14.23

Applicant:

Signature

CAROL L. RICKEL
Date 07.14.23

Effective 8/2017

Please note: This application cannot be processed
unless initialed by the Town Collector:
Town Collector: _____ Date: _____

GENERAL NOTES:

1. LOCATION OF EXISTING UNDERGROUND UTILITIES/OBSTRUCTIONS/SYSTEMS SHOWN HEREON ARE APPROXIMATE ONLY. ALL UTILITIES/OBSTRUCTIONS/SYSTEMS MAY NOT BE SHOWN. LOCATE AND PROTECT ALL UNDERGROUND UTILITIES/OBSTRUCTIONS/SYSTEMS, WHETHER OR NOT SHOWN HEREON.
2. INSTALL ALL NEW UTILITIES UNDERGROUND, UNLESS SPECIFICALLY INDICATED OTHERWISE.
3. EMPLOY A LICENSED PROFESSIONAL LAND SURVEYOR TO LAY OUT BUILDING AND SITE IMPROVEMENTS FOR CONSTRUCTION. PROPERTY LINES SHOWN HEREON ARE APPROXIMATE. SEE PLAN REFERENCE HEREON.
4. CONTRACTOR IS RESPONSIBLE FOR SAFETY MEASURES, CONSTRUCTION METHODS, AND CONTROL OF WORK.
5. REPAIRS AND/OR REPLACEMENT OF ANY EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION THAT ARE NOT DESIGNATED FOR DEMOLITION AND/OR REMOVAL HEREON ARE THE RESPONSIBILITY OF CONTRACTOR. REPAIR SUCH DAMAGE TO THE SATISFACTION OF OWNER(S).
6. THIS PLAN IS NOT INTENDED TO SHOW AN ENGINEERED BUILDING FOUNDATION DESIGN, WHICH WOULD INCLUDE DETAILS AND ELEVATION OF FOOTINGS, WALLS AND SUBSURFACE DRAINS TO PREVENT INTERIOR FLOODING. SEE ARCHITECTURAL AND/OR STRUCTURAL DRAWINGS.
7. PRIOR TO IMPLEMENTATION, SEEK ENGINEER REVIEW AND APPROVAL OF ANY INTENDED REVISION OF HORIZONTAL AND/OR VERTICAL DESIGN LOCATION OF IMPROVEMENTS SHOWN HEREON.
8. PROMPTLY NOTIFY ENGINEER UPON COMMENCEMENT OF CONSTRUCTION IN ORDER TO ENSURE THAT REQUIRED INSPECTIONS ARE PERFORMED IN A TIMELY AND EFFICIENT MANNER. MAINTAIN DISPOSAL SYSTEM IN AN UNCOVERED CONDITION UNTIL AUTHORIZED TO BACKFILL BY ENGINEER AND LOCAL BOARD OF HEALTH.
9. NOTIFY ENGINEER UPON DISCOVERY OF ANY UNFORESEEN SURFACE OR SUBSURFACE CONDITIONS THAT MAY IMPACT SYSTEM INSTALLATION, REGULATORY APPROVAL, OR FUNCTION.
10. INSTALL FINISH RIM ELEVATIONS TO MATCH FINISH PAVEMENT, GRADING OR LANDSCAPING SURFACE, UNLESS SPECIFICALLY INDICATED OTHERWISE.
11. PLUG/CAP/FILL EXISTING UTILITY LINES/STRUCTURES THAT ARE TO BE CUT/BROKEN DOWN/ABANDONED, IN ACCORDANCE WITH UTILITY OWNER REQUIREMENTS.
12. WHERE THE WORD "INSTALL" IS USED HEREIN, IT IS INTENDED TO DIRECT CONTRACTOR TO "TURN-IN, INSTALL AND PLACE IN OPERATION" THE COMPONENT REFERRED TO.
13. THE ISSUANCE OF A CERTIFICATE OF COMPLIANCE IS NOT A GUARANTEE THAT THE DISPOSAL SYSTEM WILL FUNCTION SATISFACTORILY.
14. INSTALL EROSION CONTROL MEASURES, SUCH AS SILT FENCE OR HAY BALES AS MAY BE SHOWN HEREON, BEFORE EARTH DISTURBANCE OCCURS.
15. THE SUBJECT SYSTEM HAS BEEN DESIGNED TO PROCESS ONLY DOMESTIC SEWAGE AT THE INDICATED LOADING RATE.
16. COORDINATE WITH OWNER/ENGINEER REGARDING REMOVAL OF TREES AND OTHER VEGETATION NOT REQUIRING REMOVAL BY REGULATIONS AND CODES.
17. THESE DRAWINGS DO NOT ADDRESS PLUMBING REQUIRED INSIDE BUILDINGS TO ROUTE APPROPRIATE DRAINS TO BUILDING SEWER. OWNER SHALL EMPLOY A LICENSED PLUMBER TO COMPLETE SUCH WORK AS IS NECESSARY TO DRAIN ALL BLACKWATER AND GREYWATER TO THE PROPOSED SEWAGE DISPOSAL SYSTEM.
18. ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC MARKING TAPE OR A COMPARABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED.
19. WATER SOFTENERS ARE PROHIBITED FROM USE WITH THIS SYSTEM.

REGULATORY NOTES:

1. A LICENSED DISPOSAL SYSTEM INSTALLER SHALL PERFORM ALL WORK ON THE SEWAGE DISPOSAL SYSTEM.
2. CONTACT DIG-SAFE FOR UNDERGROUND UTILITY MARKING AT 811 AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF ANY WORK.
3. OBTAIN ALL CONSTRUCTION PERMITS REQUIRED BY REGULATORY AUTHORITIES.
4. PRIOR TO COMMENCEMENT OF ANY WORK, REVIEW AND THOROUGHLY UNDERSTAND ALL CONSTRUCTION REQUIREMENTS, CONDITIONS, AND LIMITATIONS IMPOSED BY PERMITS AND APPROVALS ISSUED BY REGULATORY AUTHORITIES.
5. COMPLETE ALL WORK THAT IS OUTSIDE OF BUILDING AND LESS THAN 10 FEET FROM THE INSIDE FACE OF BUILDING FOUNDATION IN CONFORMANCE WITH THE UNIFORM STATE PLUMBING CODE OF MASSACHUSETTS, 248 CMR 2.00.

SITE SPECIFIC NOTES:

1. ALL SEWAGE DISPOSAL SYSTEM COMPONENTS AREA GREATER THAN 400 FEET FROM SURFACE WATER RESERVOIRS AND GREATER THAN 200 FEET FROM TRIBUTARIES TO SURFACE WATER RESERVOIRS.
2. THERE ARE NO KNOWN EXISTING WELLS WITHIN 100 FEET OF THE PROPOSED SOIL ABSORPTION AREA, OR WITHIN 50 FEET OF PROPOSED SEPTIC TANK.
3. ALL KNOWN SEPTIC SYSTEMS WITHIN 150 FEET OF THE PROPOSED SEWAGE DISPOSAL SYSTEM ARE SHOWN HEREON.
4. ALL KNOWN WELLS WITHIN 200 FEET OF THE SEWAGE DISPOSAL SYSTEM ARE SHOWN HEREON.
5. PROJECT DOES NOT FALL WITHIN A FLOOD HAZARD AREA FLOOD MAP.
6. THE SEWAGE DISPOSAL SYSTEM IS NOT DESIGNED TO ACCOMMODATE A GARBAGE GRINDER.
7. WATER SERVICE VIA CONNECTION TO MUNICIPAL WATER.

PLAN SPECIFIC NOTES:

1. THIS PLAN WAS PREPARED FROM AN ACTUAL SURVEY MADE ON THE GROUND USING TOTAL STATION METHODS ON OR BETWEEN MARCH 21, 2023 AND MARCH 28, 2023.
2. THE PROPERTY LINES DEPICTED ON THIS DRAWING ARE ESTIMATED LOCATIONS AND DISTANCES AND ARE BASED ON THE MOST CURRENT ASSESSORS INFORMATION ONLY.
3. SEPTIC DESIGN DATA TAKEN FROM A PLAN ENTITLED "SITE DEVELOPMENT AND FACILITIES PLAN IN BELLINGHAM" DESIGNED FOR BELLINGHAM RESIDENTIAL #2 REALTY LLC, DESIGNED BY GUEHRE & HAINON, INC. DATED
4. THE INVERT ELEVATIONS OF THE SEWER LINE IN SILVER LAKE ROAD WERE DIGITIZED FROM A PLAN TITLED "SILVER LAKE ROAD SEWER PROJECT, AS-BUILT SEWER PLAN AND PROFILE" PREPARED FOR BELLINGHAM RESIDENTIAL REALTY, LLC, DATED APRIL 5, 2019. SAID PLAN WAS OBTAINED FROM THE BELLINGHAM DEPARTMENT OF PUBLIC WORKS.
5. LOCATIONS AN INVERT ELEVATIONS FOR THE EXISTING SEPTIC SYSTEM WERE DIGITIZED FROM AN "AS-BUILT" PLAN RECORDED WITH THE BELLINGHAM BOARD OF HEALTH.
6. ZONING LINES AND WATER DISTRICT LINE WERE DIGITIZED FROM VARIOUS RECORDED PLANS.
7. THE COORDINATE SYSTEM AND DATUM FOR THIS PLAN ARE ASSUMED. ALTHOUGH ASSUMED, THE LOCATIONS WERE LOOSELY TRANSLATED AND ROTATED TO BE CLOSE TO MA MAINLAND 2001 NAD83(2011) AND ELEVATIONS WERE ADJUSTED TO BE CONSISTENT WITH SAID AS-BUILT SEPTIC PLAN.
8. ALL UNDERGROUND UTILITY LOCATIONS AND ELEVATIONS SHOULD BE CONFIRMED PRIOR TO ANY DESIGN OR CONSTRUCTION.

SPECIFICATIONS:

PIPES (310 CMR 15.222, 15.232, 15.241, 15.251, 15.252)

1. BUILDING SEWER: 4-INCH DIAMETER, SCH 40 PVC, MIN. SLOPE 1/8 IN. PER FT.
2. SEPTIC TANK TO DOSING CHAMBER OR DISTRIBUTION BOX: 4-INCH DIA. SCH 40 PVC OR SDR35 PVC, MIN. SLOPE 1/8 IN. PER FT.
3. DISTRIBUTION LINES: 4-INCH DIAMETER, SCH40 PVC OR SDR 35 PVC, 1/8 IN. PER FT., PERFORATED IN SOIL ABSORPTION AREA (PERFORATIONS DOWN AT 5 AND 7 O'CLOCK)
4. DISTRIBUTION LINES FROM DISTRIBUTION BOX: FIRST 2 FEET SOLID WALL 4-INCH DIAMETER, SCH40 PVC OR SDR 35 PVC, LAID LEVEL TO EQUALIZE FLOW.
5. BED, HAUNCH, AND BACKFILL ALL PIPE IN ACCORDANCE WITH MANUFACTURERS SPECIFICATION. ALL JOINTS SHALL BE WATERTIGHT.
6. VENT BUILDING SEWER THROUGH MAIN STACK IN BUILDING SERVED BY IT.

DISTRIBUTION BOX (310 CMR 15.232)

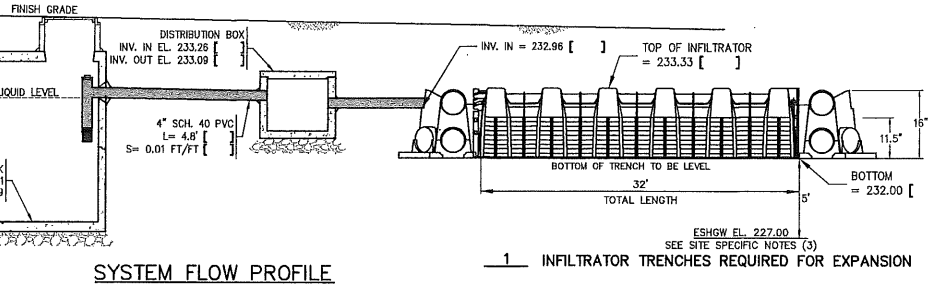
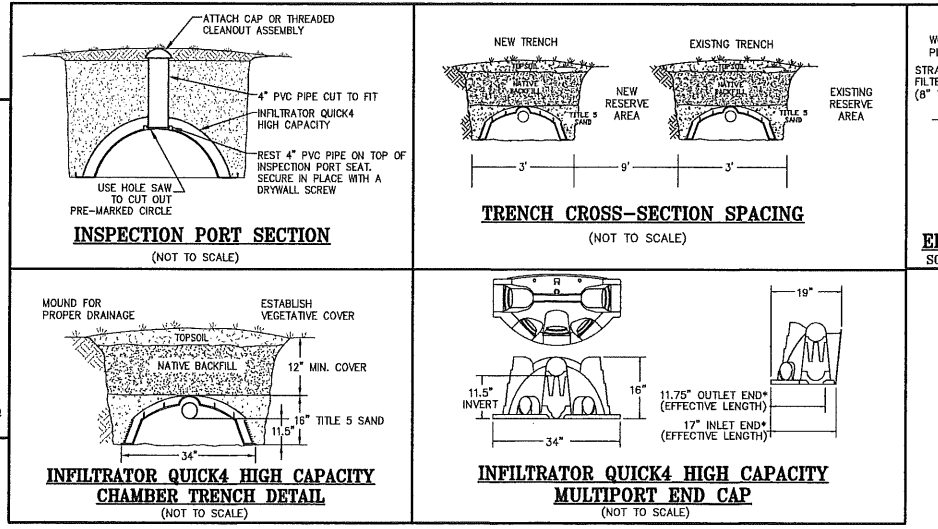
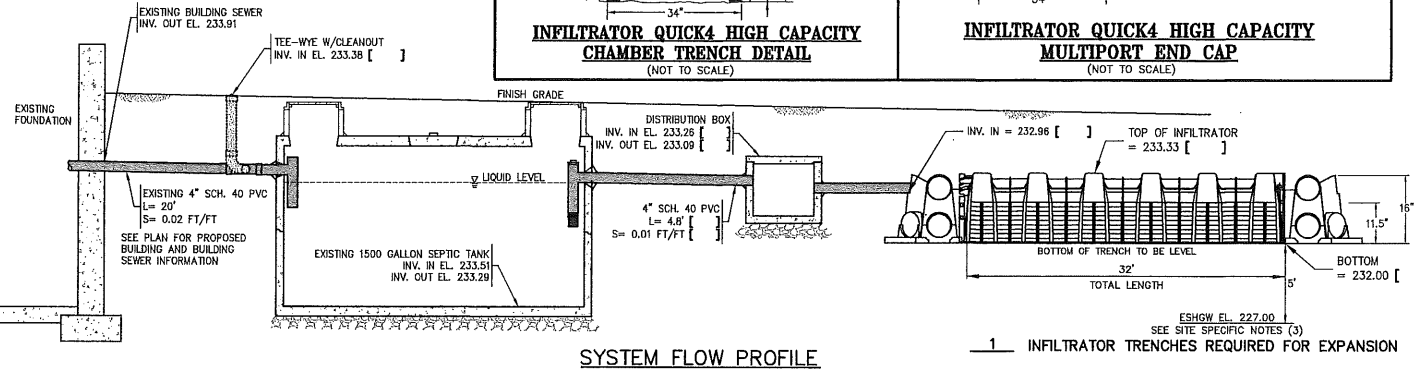
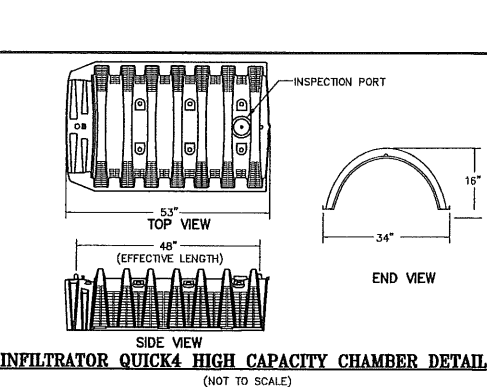
1. DISTRIBUTION BOX RATED FOR H-10 LOADING, MANUFACTURER: SHEA CONCRETE PRODUCTS, INC., WILMINGTON, MA (978-658-2645), OR EQUAL
2. DISTRIBUTION BOX SHALL BE MADE WATERTIGHT AND DESIGNED TO PROVIDE EQUAL DISTRIBUTION OF SEPTIC TANK EFFLUENT TO THE DISTRIBUTION LINES OF THE SOIL ABSORPTION SYSTEM.
3. DISTRIBUTION BOX SHALL HAVE A MINIMUM INSIDE DIMENSION OF 12 INCHES, MINIMUM WALL THICKNESS OF 2 INCHES, AND A MINIMUM SOIL DEPTH OF 6 INCHES BELOW OUTLET INVERT.
4. WHEN THE INLET PIPE SLOPE EXCEEDS 8% OR, WHERE A FORCE MAIN INLET IS SPECIFIED, INSTALL A PVC INLET TEE, WITH BOTTOM OF TEE ONE INCH ABOVE OUTLET INVERT.
5. IF BURIED GREATER THAN 9 INCHES BELOW GRADE, A RISER SHALL BE INSTALLED.
6. SEAL DISTRIBUTION BOX, PIPE INLETS, AND OUTLETS WITH NON-SHRINK GROUT.

SOIL ABSORPTION AREA

1. REMOVE FROM SOIL ABSORPTION AREA ALL TOPSOIL, BOULDERS LARGER THAN 24 INCHES (LONGEST DIMENSION), OR OTHER UNSUITABLE MATERIAL ENCOUNTERED DURING EXCAVATION.
2. SCARIFY ALL EXCAVATION INTERFACES PRIOR TO PLACEMENT OF FILL OR LEACHING AGGREGATE.
3. WHEN AREA IS TO BE INSTALLED WITHIN A AND/OR B SOIL HORIZON (TOP AND SUB SOIL) OR ABOVE NATURAL GRADE, REMOVE TOP AND SUB SOIL AND OTHER IMPERVIOUS MATERIALS FROM BENEATH SOIL ABSORPTION AREA, AND FROM SURROUNDING 5-FOOT BUFFER (SEE PLAN), AND REPLACE WITH SELECT SOIL FILL. PLACE AND COMPACT FILL TO MINIMIZE SETTLEMENT. SCARIFY FILL PRIOR TO PLACEMENT OF LEACHING AGGREGATE.
4. LEACHING AGGREGATE: 3/4" TO 1-1/2" DOUBLE-WASHED STONE, FREE OF IRON, FINES, AND DUST IN PLACE.
5. FILTER FABRIC: MIRAFI 140NC OR APPROVED EQUAL COVER MATERIAL. COMMON FILL FREE OF DEBRIS AND STONES LARGER THAN 6 INCHES. FINISH GRADE COVER OVER SOIL ABSORPTION AREA TO ENSURE ADEQUATE RUNOFF (2% MIN. SLOPE).

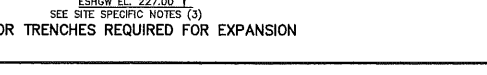
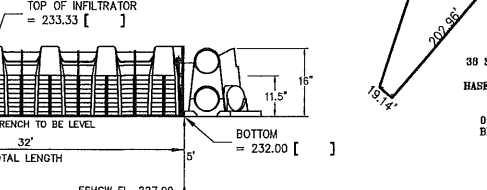
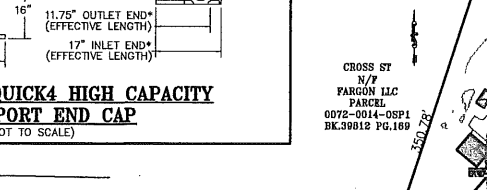
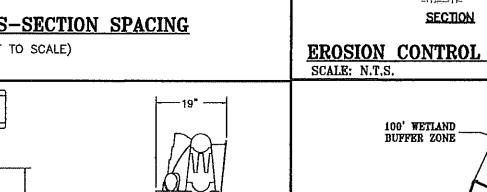
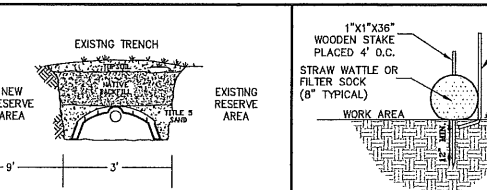
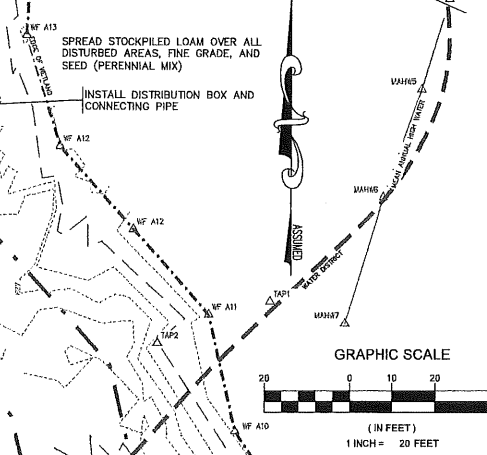
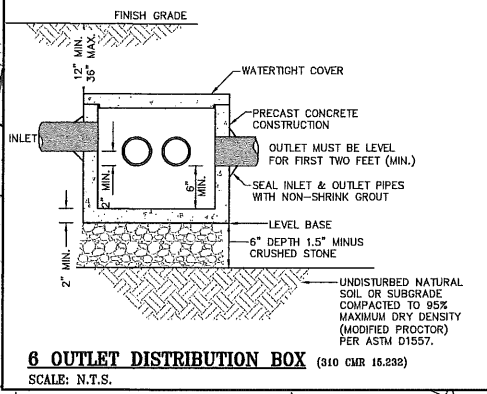
SELECT SOIL FILL (310 CMR 15.255(3))

1. SELECT SOIL FILL MATERIAL FOR SYSTEM CONSTRUCTION MAY CONSIST OF SELECT ON-SITE SOIL, OR IMPORTED SOIL.
2. SELECT SOIL FILL MATERIAL: COMPRISED OF CLEAN, GRANULAR SAND, FREE FROM ORGANIC MATTER AND DELETERIOUS SUBSTANCES. MAXIMUM PARTICLE SIZE: 2 INCHES.
3. PERFORM A SIEVE ANALYSIS ON A REPRESENTATIVE SAMPLE OF THE FILL UP TO 45% BY WEIGHT OF THE FILL SAMPLE MAY BE RETAINED ON A #4 SIEVE. ALSO PERFORM A SIEVE ANALYSIS ON THE FRACTION OF THE FILL SAMPLE PASSING THE #4 SIEVE. SUCH ANALYSIS SHALL DEMONSTRATE THAT THE MATERIAL PASSING THE #4 SIEVE MEETS THE FOLLOWING GRADATION:

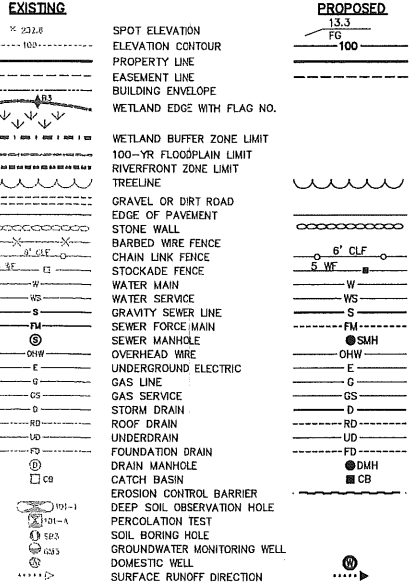


NOTES:

1. DISTRIBUTION BOXES BURIED GREATER THAN 9-INCHES SHALL BE EQUIPPED WITH WATERTIGHT RISERS TO WITHIN 8-INCHES OF FINISH GRADE.



LEGEND



ABBREVIATIONS

EL	ELEVATION
INV	INVERT
SF	SQUARE FEET
AC	ACRES
FT	FEET
TW	TOP OF WALL
BW	BOTTOM OF WALL
FG	FINISH GRADE
BSMT	BASEMENT SLAB
TOC	TOP OF CONCRETE

ASSESSORS REFERENCE:

ASSESSORS ID: 72-14-12
RECORD OWNER:
CAROL L. RICKER AND
BETH A. PAWLYK
42 SILVER LAKE RD
BELLINGHAM, MA 02019

ELEVATION DATUM

DATUM: ASSUMED

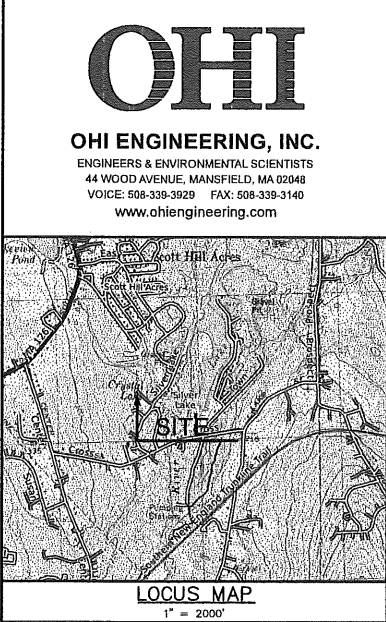
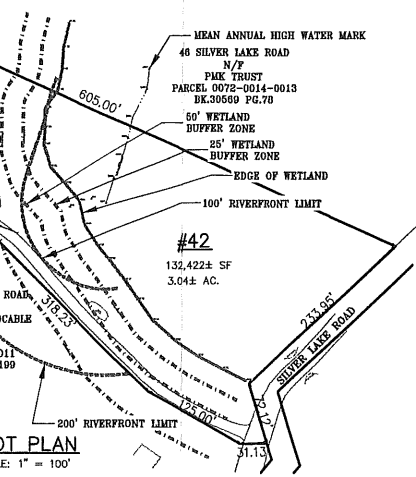
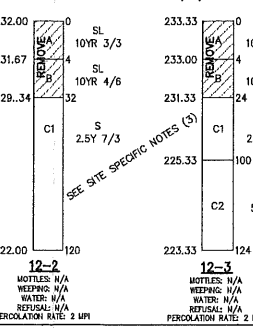
NOTE: IF THERE ARE NO BENCH MARKS WITHIN 75 FEET OF THE DISPOSAL SYSTEM TO BE INSTALLED, CONTRACTOR SHALL SET AT LEAST ONE BENCH MARK WITHIN SUCH PROXIMITY PRIOR TO ANY EXCAVATION.

WETLAND PROTECTION ACT (M.G.L. C.131, §40)

PRIOR TO INITIATING ANY ALTERATIONS (REMOVAL OF VEGETATION, EXCAVATIONS, GRADING, ETC.) WITHIN 100' OF WETLANDS (POND, BROOKS, SWAMPS, ETC.) OR WITHIN 200' OF AN AREA SUBJECT TO THE RIVER'S ACT (PERMANENTLY FLOWING RIVER, BROOK OR STREAM), A REQUEST FOR DETERMINATION OF APPLICABILITY OR A NOTICE OF INTENT UNDER THE WETLANDS PROTECTION ACT (310 CMR 10.00) SHOULD BE FILED WITH THE TOWN'S CONSERVATION COMMISSION. LOCAL BYLAWS MAY ALSO APPLY.

SOIL TESTING DATA (BY OTHERS)

SOL EVALUATOR: PETER LAVOIE
WITNESSED BY: MIKE GRAF
EVALUATION PERFORMED: 1/12/10



DESIGN CRITERIA

1. NITROGEN LOADING (310 CMR 15.214-217)
SENSITIVE AREA: WATER RESOURCE DISTRICT
UNIT DESIGN FLOW LIMIT: 440 GPD/AC
UNIT DESIGN FLOW: 440 GPD/AC * 3.31 AC = 1452 GPD > 550GPD
2. BUILDING USE: SINGLE FAMILY DWELLING
3. NO. OF BEDROOMS: 5
4. DESIGN FLOW: 110 GPD PER BEDROOM
5. GARBAGE GRINDER: NO
6. TOTAL DAILY FLOW: 5 BEDROOMS X 110 GPD = 550 GALLONS
7. SEPTIC TANK SIZE: 550 GPD X 200% = 1100 GAL (1500 GAL MIN)

SOIL ABSORPTION SYSTEM

1. DESIGN PERCOLATION RATE: 2 MIN. PER INCH
2. SOIL TEXTURAL CLASS: 1
3. LONG TERM ACCEPTANCE RATE: 0.74 GPD/SF
4. SOIL ABSORPTION SYSTEM: CHAMBERS
(TRENCH CONFIGURATION)
5. EFFECTIVE LEACHING AREA REQUIRED:
550 GPD / 0.74 GPD/SF = 743 SF
6. EFFECTIVE LEACHING AREA PROVIDED:
3 TRENCHES X 8 UNITS * 4 LF = 96 LF * 7.93 SF/LF = 761 SF
7. MIN. SEPARATION, BOTTOM STONE TO ESHGW:
REQUIRED: 5 FT; PROVIDED: 5 FT

*EXISTING SYSTEM CONSISTS OF 2 - TRENCHES 40 FT LONG. IN ORDER FOR SOIL ABSORPTION SYSTEM TO RECEIVE EQUAL FLOW TO ALL TRENCH'S PER 310 CMR 15.00, A SINGLE-32 FT LONG TRENCH HAS BEEN ADDED TO THE SYSTEM. ALL TRENCH'S WILL MEET THE MINIMUM LENGTH OF TRENCH REQUIRED RESULTING IN EXTRA CAPACITY IN THE 2 - EXISTING 40 FT LONG TRENCH'S.

RESERVE AREA

1. SAME AS ABOVE

DRAWING ISSUED FOR:

1. PERMIT

THIS DRAWING MAY BE USED FOR CONSTRUCTION UPON ISSUANCE OF ALL PERMITS AND APPROVALS BY REGULATORY AUTHORITIES.

REVISIONS		
NO.	DATE	DESCRIPTION

SITE PLAN
SUBSURFACE SEWAGE DISPOSAL SYSTEM
EXPANSION
42 SILVER LAKE RD,
BELLINGHAM, MA

PREPARED FOR:
**CAROL RICKER AND
BETH PAWLYK**
42 SILVER LAKE RD,
BELLINGHAM, MA 02019

DES BY: JEG DATE: 7/24/23
CHK BY: WB PROJECT NO. 23-2319

1 OF 1