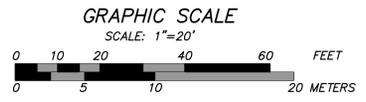


LOCUS MAP
NO SCALE



PLAN NOTES

THE PURPOSE OF THIS PLAN IS TO SHOW AREAS SUBJECT TO PROTECTION UNDER THE MASSACHUSETTS WETLANDS PROTECTION ACT AND THE TOWN OF ACTON WETLANDS BYLAW AND THE ASSOCIATED BUFFER AREAS.

ELEVATIONS BASED ON NGVD29 DATUM.

RESOURCE AREAS FLAGGED BY GODDARD CONSULTING ON 12/9/12.

RESOURCE AREAS SURVEYED ON 2/4/13 BY MARKEY AND RUBIN INC.

ADDITIONAL RESOURCE AREA FLAGS B6A-B6L SURVEYED ON 6/19/13.

PROPERTY LINES SHOWN ARE THE RESULT OF A SITE PLAN SURVEY. NO CERTIFICATION TO OWNERSHIP IS MADE OR IMPLIED.

FLOODPLAIN LINE TAKEN FROM FEMA FIRM PANEL 25017C0356E AND FLOOD STUDY PROFILE 360P FOR NASHOBA BROOK AT ELEVATION 137.5 NAVD(88) WHICH IS EQUIVALENT TO 138.307' NGVD29.

GENERAL NOTES

1. THIS DESIGN PLAN IS INTENDED SOLE FOR THE PURPOSE OF CONSTRUCTION THE SEWAGE DISPOSAL SYSTEM ONLY. ADDITIONAL TOWN AND STATE REGULATIONS MAY BE APPLICABLE TO THIS PROJECT INCLUDING BUT NOT LIMITED TO ZONING AND WETLANDS.
2. SITE PLAN BASED ON EXISTING CONDITIONS. ALTHOUGH CARE HAS BEEN TAKEN TO DETERMINE SUBSURFACE CONDITIONS, THIS PLAN MAY NOT SHOW ALL UTILITIES, BEDROCK, BURIED DEBRIS OR OTHER SUBSURFACE ITEMS THAT MAY BE ENCOUNTERED DURING EXCAVATION. THE CONTRACTOR SHALL INFORM THE DESIGNING ENGINEER UPON ENCOUNTERING SUCH DISCREPANCIES.
3. PROPERTY BOUNDARIES SHOWN ARE THE RESULT OF A SITE PLAN SURVEY. NO REPRESENTATION OR CERTIFICATION AS TO THE ACCURACY OF THE PROPERTY BOUNDARIES SHOWN IS MADE OR IMPLIED.
4. THE SEPTIC TANK SHALL BE PUMPED WHEN THE SLUDGE DEPTH IS WITHIN 12" OF THE BOTTOM OF THE OUTLET TEE, WHEN THE TOP OF THE SCUM LEVEL IS WITH 2" OF THE TOP OF THE OUTLET TEE OR 2" OF THE BOTTOM OF THE OUTLET TEE (310 CMR 15.340) ABOUT EVERY 2 YEARS OR WHEN REQUIRED BY THE LOCAL BOARD OF HEALTH.
5. ANY SITE WORK WITHIN 100' OF A WETLAND IS SUBJECT TO REGULATION UNDER THE WETLANDS PROTECTION ACT, AND REQUIRES FILING WITH THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THE LOCAL CONSERVATION COMMISSION.
6. ALL KNOWN DRINKING WATER WELLS WITHIN 200 FEET OF THE PROPOSED SEWAGE DISPOSAL SYSTEM ARE SHOWN OR INDICATED.
7. THE PROPOSED SEWAGE DISPOSAL SYSTEM IS NOT DESIGNED FOR THE USE OF A GARBAGE GRINDER.
8. THE PROPOSED SEWAGE DISPOSAL SYSTEM IS INTENDED FOR TREATMENT OF SANITARY SEWAGE PRODUCED BY SINGLE FAMILY DWELLING UNITS ONLY. WATER TREATMENT DISCHARGES SUCH AS WATER SOFTENERS SHALL BE DISCHARGED TO A SEPARATE DRYWELL.
9. THERE ARE NO WATER SUPPLIES OR TRIBUTARIES THERETO LOCATED WITHIN 400' OF THE PROPOSED SYSTEM (SOURCE DEP WSPA)
10. PROPERTY IS LOCATED IN AQUIFER ZONE III

CONSTRUCTION NOTES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT DIGSAFE AT LEAST 72 HOURS PRIOR TO EXCAVATION OF PUBLIC OR PRIVATE PROPERTY. 1-888-DIG-SAFE
2. EXCAVATION AND CONSTRUCTION PROCEDURES, AND MATERIALS SHALL CONFORM TO THIS PLAN, TITLE 5, AND THE REQUIREMENTS THE BOARD OF HEALTH.
3. ANY DEVIATION IN CONSTRUCTION FROM THIS PLAN SHALL VOID ANY CERTIFICATION MADE RELATIVE TO THE SYSTEM UNLESS APPROVED IN WRITING BY THE LOCAL APPROVING AUTHORITY AND THE DESIGNING ENGINEER.
4. ALL PRECAST SYSTEM COMPONENTS SHALL BE EITHER WATERTIGHT BY MANUFACTURER'S SPECIFICATION AND WARRANTY, OR MADE WATERTIGHT USING ASPHALT OR SYNTHETIC POLYMER SEALER SPECIFIED BY THE CONCRETE OR SEALER MATERIAL MANUFACTURER.
5. PRECAST CONCRETE TANKS SHALL BE SET ON A MINIMUM OF SIX INCHES OF MECHANICALLY COMPACTED CRUSHED STONE.
6. DISTRIBUTION BOX OUTLET PIPES SHALL BE LAID LEVEL FOR THE FIRST TWO FEET OUT OF THE DISTRIBUTION BOX.
7. DISTRIBUTION BOX SHALL BE SET ON EITHER SIX INCHES OF MECHANICALLY COMPACTED CRUSHED STONE, OR A SIX-INCH THICK CONCRETE PAD WITH AN AREA 1.5 TIMES THE BOTTOM AREA OF THE DISTRIBUTION BOX.
8. DISTRIBUTION BOX SHALL BE EQUIPPED WITH A PVC TEE WITH THE USE OF A PUMP CHAMBER, OR WHEN THE SLOPE OF THE INLET LINE IS GREATER THAN 8%.
9. SYSTEM SHALL BE VENTED THROUGH THE BUILDING PLUMBING OR AS SHOWN ON THE SYSTEM PROFILE.
11. ALL UNSUITABLE MATERIAL ENCOUNTERED IN THE EXCAVATION SHALL BE REMOVED.
12. ALL AGGREGATE USED FOR LEACHING STRUCTURES SHALL CONSIST OF DOUBLE WASHED STONE, THE SIZE SPECIFIED, AND FREE FROM IRON, FINES, AND DUST IN PLACE.
13. THE 5' LIMIT OF EXCAVATION REQUIRES ALL ORGANIC MATERIAL WITHIN 5 FEET OF THE LEACHING FACILITY BE REMOVED AND REPLACED WITH WELL COMPACTED GRANULAR FILL MEETING THE REQUIREMENTS OF 310 CMR 15.255.
14. ALL BACKFILL AND BREAKOUT FILL MUST BE CLEAN AND FREE OF STONES OR BOULDERS GREATER THAN 6" IN SIZE. TAILINGS, CLAY OR SIMILAR MATERIALS ARE PROHIBITED. SYSTEM SHALL BE GRADED TO PREVENT PONDING OF STORMWATER OVER THE LEACHING FACILITY.
15. PRIOR TO EXCAVATION, THE SEWAGE DISPOSAL SYSTEM CORNERS SHALL BE STAKED AND FLAGGED BY THE DESIGN ENGINEER OR A PROFESSIONAL LAND SURVEYOR.
16. THE BOTTOM AND SIDES OF THE EXCAVATION SHALL BE LEVEL AND SCARIFIED. VEHICULAR TRAFFIC IN THE EXCAVATION SHOULD BE AVOIDED.
17. PRIOR TO PLACEMENT OF FILL, THE BOTTOM SURFACE SHALL BE SCARIFIED AND RELATIVELY DRY THE WATER TABLE IS ABOVE THE ELEVATION OF THE BOTTOM OF THE EXCAVATION, THE EXCAVATION SHALL BE DE-WATERED AS NECESSARY.
18. PRIOR TO BACKFILL, ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC MARKING TAPE IN ORDER TO LOCATE THEM ONCE BURIED.

REVISION	COMMENT
#	DATE
1	1/23/14
1	1/28/14
1	1/23/14

DATE: 1/23/14
REVISED DATUM/FLOODPLAIN LINE
1/28/14
1:26:14

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SUBSURFACE SEWAGE DISPOSAL DESIGN SITE PLAN
4 HORSESHOE DRIVE
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SHEET 1 OF 2