

SURVEY NOTES

- 1. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300B-1 THROUGH 20-300B-20 AND "THE STANDARDS AND SUGGESTED METHODS AND PROCEDURES FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED FOR USE BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON AUGUST 29, 2019. IT IS AN "IMPROVEMENT LOCATION" SURVEY WHICH REFERENCES THE "CLASS A-2" SURVEY OF THE SUBJECT PARCEL. (SEE REFERENCE MAP NOTED BELOW). THE TOPOGRAPHIC INFORMATION DEPICTED HEREON HAS BEEN OBTAINED AS THE RESULT OF A FIELD SURVEY AND CONFORMS TO TOPOGRAPHIC ACCURACY "CLASS T-2".
- 2. REFERENCE MAY BE MADE TO THE FOLLOWING DEED RECORDED IN THE TOWN OF LEDYARD LAND RECORDS: VOLUME: 409 PAGE: 235 TYPE: WARRANTY GRANTORS: GIORGIO CELICO AND ANGELA CELICO GRANTEES: JOHN MOULSON
- 3. REFERENCE MAY BE MADE TO THE FOLLOWING PLAN: "RESUBDIVISION PLAN, STONEHENGE SUBDIVISION, SECTION "H", PROPERTY OF KEVIN McBRIDE, COACHMAN PIKE AND SHEWVILLE ROAD, LEDYARD, CONNECTICUT, SCALES AS SHOWN, AUGUST 1990, REVISED SEPTEMBER 14, 1990, SHEETS 1-2 OF 2". PREPARED BY GEORGE H. DIETER, LAND SURVEYOR.
- 4. SAID PARCEL IS SUBJECT TO A RIGHT TO DRAIN STORMWATER IN FAVOR OF THE TOWN OF LEDYARD AS SHOWN ON
- 5. THE SITE IS ZONED R-40.
- 6. THE WETLAND BOUNDARY DEPICTED HEREON WAS DELINEATED IN THE FIELD BY ROBERT C. RUSSO, CERTIFIED SOILS SCIENTIST ON 5-17-05.
- 7. PER SOIL SURVEY OF NEW LONDON COUNTY CONNECTICUT, WETLAND SOILS ARE CLASSIFIED AS Rn; RIDGEBURY, LEICESTER AND WHITMAN EXTREMELY STONY FINE SANDY LOAMS. UPLAND SOILS ARE CLASSIFIED AS CrC; CHARLTON-HOLLIS FINE SANDY LOAMS, VERY ROCKY, 3 TO 5 PERCENT SLOPES.
- 8. THE ORIENTATION OF NORTH IS BASED ON A MAGNETIC AZIMUTH TAKEN ON 5-18-2005.

GENERAL NOTES

- 1. THIS SEPTIC SYSTEM INSTALLATION INCLUDING ALL MATERIAL (PIPING, SEPTIC TANK, STONE, FILL, ETC.) USED FOR THIS SEPTIC SYSTEM SHALL CONFORM TO THE CURRENT EDITION/REVISION OF THE "TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS" REVISED JANUARY 1. 2018 OF THE CONNECTICUT PUBLIC HEALTH CODE BY THE STATE OF CONNECTICUT DEPARTMENT OF PUBLIC
- 2. THE PROPOSED HOUSE SEWER FROM THE BUILDING TO THE SEPTIC TANK SHALL BE SCHEDULE 40 PVC ASTM D 1785/ASTM D 2665 OR APPROVED EQUAL AND INDICATED IN TABLE NO. 2 OF THE "TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS". ALL OTHER SEWER PIPE FOR THIS SEPTIC SYSTEM SHALL BE 4" PVC ASTM D D 3034, SDR 35 WITH RUBBER COMPRESSION GASKET OR BELL AND SPIGOT OR APPROVED EQUAL.
- 3. THERE ARE NO WELLS (POTABLE, GEOTHERMAL, OR IRRIGATION) WITHIN 75' OF THE PROPOSED SEPTIC SYSTEM. THERE IS NO SEPTIC SYSTEM WITHIN 75' OF THE PROPOSED WELL.
- 4. THERE SHALL BE NO STUMPS OR BOULDERS BURIED WITHIN 50' DOWN GRADIENT OF THE SEPTIC SYSTEM. SHOULD ANY SIGNIFICANT VARIATIONS FROM THE TEST HOLE DATA BE ENCOUNTERED DURING EXCAVATIONS (LEDGE, GROUNDWATER, MOTTLING, SOIL TYPE, ETC.), THE DESIGN ENGINEER SHALL BE NOTIFIED PRIOR TO INSTALLATION OF THE SEPTIC SYSTEM.
- 5. ALL EXISTING UTILITIES ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND ELEVATIONS PRIOR TO ANY CONSTRUCTION. CONTRACTOR SHALL CONTACT "CALL-BEFORE-YOU-DIG" AT 1-800-922-4455 AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION.
- 6. THE PROPOSED FILL FOR THIS SEPTIC SYSTEM SHALL MEET THE FOLLOWING SPECIFICATIONS:
 - A. 100% OF FILL SHALL PASS THROUGH A 3" SIEVE. MAXIMUM % OF GRAVEL (BETWEEN #4 & 3" SIEVE) = 45%.
 - GRADATION OF FILL WITHOUT THE GRAVEL SHALL MEET THE FOLLOWING CRITERIA: % PASSING (DRY) % PASSING (WET) 70 - 100% 70 - 100%
 - 10 50%* 10 - 75% 0 - 20% 0 - 5%0 -5% 0 - 2.5%
 - *PERCENT PASSING THE #40 WET SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED 5%.
 - PERCOLATION RATE AFTER PLACEMENT AND COMPACTION SHALL BE FASTER THAN OR EQUAL TO 10.0 MINUTES/INCH. A WET OR DRY SIEVE ANALYSIS MAY BE REQUIRED PRIOR TO THE FILL PLACEMENT TO VERIFY THAT IT MEETS THESE SPECIFICATIONS. THE FILL SHALL BE APPROVED BY THE LEDGE LIGHT HEALTH DISTRICT OR DESIGN ENGINEER PRIOR TO ITS PLACEMENT ON SITE.
- 7. APPROVED AGGREGATE SHALL BE STONE AGGREGATE OR OTHER PRODUCTS APPROVED BY THE COMMISSIONER OF PUBLIC HEALTH. STONE AGGREGATE SHALL BE BROKEN STONE, CRUSHED STONE, OR SCREENED GRAVEL MEETING THE CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 818 SPECIFICATION M.01.01 FOR NO. 4 STONE, FREE OF SILT, DIRT, OR DEBRIS, SHALL SHOW A LOSS OF ABRASION OF NOT MORE THAN 50% USING AASHTO METHOD T-96 AND CONFORM TO THE FOLLOWING:

SIEVE SIZE 2 INCH 1.5 INCH % PASSING 100% 90 - 100% 1 INCH 20 - 55% 3/4 INCH 0 - 15%

DISTRICT AND THE DESIGN ENGINEER.

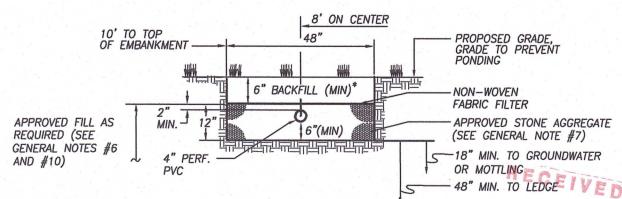
9. THE SEPTIC TANK SHALL BE PRECAST CONCRETE UNLESS OTHERWISE AUTHORIZED BY THE DESIGN ENGINEER.

10. SITE PREPARATION PROCEDURE FOR THE INSTALLATION OF THE PROPOSED SEPTIC SYSTEM:

A. STRIP ALL TOPSOIL, VEGETATION AND ORGANIC MATERIAL IN THE AREA OF AND 5' SURROUNDING THE PRIMARY LEACHING

B. USING A HEAVY RAKE OR EQUAL, THOROUGHLY SCARIFY AND ROUGHEN UP THE EXPOSED SUBSOIL. PREVENT ANY VEHICULAR TRAFFIC, BACKHOE, TRUCKS, ETC. FROM SMOOTHING/COMPACTING THIS EXPOSED SUBSOIL.

- C. PLACE AND COMPACT SELECT FILL MATERIAL MEETING SPECIFICATIONS INDICATED ABOVE (NOTE #6) IN LIFTS OF NOT GREATER THAN 12" IN THE AREA OF THE PROPOSED LEACHING TRENCHES UP TO AT LEAST THE ELEVATION OF THE TOP
- D. PERFORM AT LEAST 1 PERCOLATION TEST ON PLACED FILL. FILL MUST HAVE A PERCOLATION RATE EQUAL TO OR FASTER THAN THAT AS INDICATED IN NOTE #6E. IF PERCOLATION RATE IS SLOWER THAN THAT RATE, ALL FILL SHALL BE REMOVED AND REPLACED WITH ACCEPTABLE" FILL MEETING PROPER SPECIFICATIONS.
- INSTALL SEPTIC SYSTEM PER PLAN USING APPROVED AGGREGATE AS INDICATED IN NOTE #7 F. COVER SYSTEM WITH A MINIMUM OF 6" OF LOAM IN LAWN AREAS, GRADE TO PREVENT PONDING AND SEED WITH GRASS
- TO STABILIZE. THE FINISHED GRADE 10' FROM ANY PART OF THE PROPOSED LEACHING TRENCHES SHALL BE AT LEAST HE SAME ELEVATION AS THE TOP OF THE RESPECTIVE LEACHING TRENCH. G. CLEANOUT MANHOLES AT THE INLET BAFFLE AND AT THE OUTLET FILTER OF THE SEPTIC TANK OR ASSOCIATED RISERS
- 11. FOR EXACT HOUSE DIMENSIONS, SEE BUILDING PLANS.
- 12. ALL UTILITIES WILL BE INSTALLED UNDERGROUND.
- 13. THE HOUSE AND SEPTIC SYSTEM SHALL BE STAKED OUT BY A LICENSED LAND SURVEYOR FOLLOWING LOT CLEARING BUT PRIOR TO CONSTRUCTION. A BENCHMARK SHALL BE SET NO MORE THAN 40' FROM THE SEPTIC SYSTEM.



12"x48" STONE LEACHING TRENCH NOT TO SCALE

> **IMPROVEMEN** TOPOGRAPHIC PREPARED FOR

MOULSON

34 COACHMAN PIKE LEDYARD, CONNECTICUT

JULY 2005 JOB I.D. NO. 05-1177 "A" REVISED 9-29-05 "B" REVISED 1-04-23