



RAL NOTES: ARCHITECTURAL DRAWINGS ER SERVICE PROVIDED BY F TARY SEWER SERVICE SEPT OWNER/CONTRACTOR SHAL STRUCTION WITH REFERENC XISTING WELLS ARE LOCATI PROPOSED CONTOURS AND FRACTOR TO BE RESPONSIE	SHEFT: 2 OF 2				
ING NOTES: EXCESS DIRT SHALL BE TE ECTED BY THE PROPOSED EXCESS DIRT FROM GRADIN //UM OF 5% GRADE AWAY FF //ILITY NOTE: CONTRACTOR SHALL NOTIF CONTRACTOR SHALL BE RI	LEGEND: CHD - CONN. HIGHWAY MON. MS - MERESTONE CMF - CONC. MON. FOUND CMS - CONC. MON. SET SMF- STONE MON. FOUND IRF - IRON REBAR FOUND IRS - IRON REBAR SET IPF - IRON PIPE FOUND PKS - PK NAIL SET PKF - PK NAIL FOUND				
K AND FOR ANY DAMAGES RHEAD UTILITIES. IF, DURIN SE INDICATED BY "CALL BE OWNER AND TAKE NECE FINUATION OF SERVICE. SITE CONTRACTORS/DEVEL TIES AND STRUCTURES AF PLAN MUST BE BROUGHT TO FING UTILITIES MAY RESULT CTION ENTRANCE NOTE: ENDING ON ACTUAL SITE CO EWAY TO BE USED AS A CO FIED. ENARRATIVE: SOIL FROM EXCAVATING FO STRUCTION OF THE PROJECT	DHS - ORILL HOLE SET DHF - DRILL HOLE FOUND *WCAP - WITH CAP <u>N 90° 00' 00" E</u> PROPERTY LINE 20' SETBACK LINE BRL (SETBACK) ————————————————————————————————————				
MENT TRAPPING MEASURES DING. HEIGHT OF THE STOCKPILE L NOT BE GREATER THAN 3 STOCKPILE MATERIALS SH E OR ANY OTHER SEDIMENT SS OR UNUSED STOCKPILE ARATION: "CALL BEFORE YOU DIG" FO ALL SILT FENCE. R AND GRUB DISTURBED AF ATE SITE-WORK TO INSTAL ITY OF SEPTIC SYSTEM. MANENTLY STABILIZE DISTUD OVE ALL TEMPORARY EROS EROSION AND SEDIMENTAT ATER RAINFALL EVENT	UNDERGROUND ELECTRICAL LINE W WATER PIPE STORM PIPE MAJOR CONTOUR 190 MINOR CONTOUR STONE WALL OL POWER POLE WATER METER CATCH BASIN				
	R-80 PRIVATE WELL PRIVATE SEPTIC				4
LOT AREA (SQ. FT.) FRONTAGE (FT) T SETBACK (FT) SETBACK (FT) JINE SETBACK (FT) BUILDING HEIGHT (FT) RECTION	REQUIRED 80,000 180 50 50 20 35	EXISTING 339 1,131,539 400 12.90 2,515.3 195.0 W, 260.8 E 20	EXISTING 311 1,264,670 607 N/A N/A N/A N/A	PROPOSED MERGED 2,396,209 1,007 389.8 2130.2 425.1 W, 543.9 E 20	me: SITE DEVELOPMENT PLAN 339 CHESTERFIELD RD 0AKDALE, CT 0AKDALE, CT ^{DATE:} August 29, 2024
ENTRENCHED STRAW BALE 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	EXISTING EXI	1' WIDE x 2' DE STONE DIAPH	IRAGM		PREPARED BY: TILE: TILE: TILE: TILE: SITE DI 339 CHE: 0AKDAL 339 CHE: 0AKDAL 860-941-7721 www.rclthompson.com 19 Pepperbush Dr. Clinton, CT 06413 DRAWING SCALE:
		LINED WITH G FABRIC AND F WASHED #2 S	FILLED WITH		TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.
PROCESSED AGGREGATE 12" DIAMETER CORRUGATED HDPE CULVERT	ELECTRICAL CONDUIT CONDUIT CROSS SECTION S X6 CROSS SECTION THROUGH SECTI CROSSING DET		x6		2-13-24 TOWN E. THOMPSON PEL:29817

CONSTRUCTION NARRATIVE:

INSTALLATION OF E&S CONTROLS

i. NO WORK SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF E&S CONTROL AS SHOWN ON THE PLANS.

CULVERT CROSSING CONSTRUCTION

- ii. THE EXISTING CONCRETE SLAB OVER CULVERT AT THE EXISTING WETLAND CROSSING WILL BE REMOVED USING AN EXCAVATOR BACKHOE (POSITIONED ON THE EXISTING DRIVEWAY ALIGNMENT). THIS WILL BE DISPOSED OF IN THE BACK OF A MASON DUMP TRUCK.
- iii. ONCE THE WETLAND CROSSING IS FREE OF EXISTING STRUCTURE, THE EXCAVATOR WILL PLACE THE 6 CULVERTS "IN THE WET" AS THERE IS NO CURRENT THROUGH THE AREA. THE CULVERTS WILL BE PLACED ON EXISTING GRADE AND HELD IN PLACE WITH TIMBERS ON TOP. iv. AFTER PLACING THE CULVERTS, THE PROCESSED AGGREGATE WILL BE PLACED AND COMPACTED AROUND THE CULVERTS "IN THE WET" AND UP
- TO THE PROPOSED FINAL GRADE. v. ELECTRICAL CONDUIT WILL BE INSTALLED. IN THE EVENT THAT DEEPER EXCAVATION IS REQUIRED, AND DEWATERING IS NECESSARY, THE
- CONTRACTOR SHALL OUTFALL ALL PUMPING TO A SILT SACK TO AVOID SEDIMENTATION TRANSPORT INTO THE DOWNSTREAM WATER.
- VI. ONCE THE CULVERT CROSSING IS COMPLETE IT WILL REMAIN IN PLACE WITHOUT THE FINAL PAVEMENT COURSE DURING THE DURATION OF REMAINING CONSTRUCTION AND WILL BE PAVED AT THE SAME TIME THE ENTIRE DRIVEWAY IS PAVED.

STONE DIAPHRAM CONSTUCTION

vii.AFTER THE CULVERT CROSSING IS COMPLETED, THE STONE DIAPHRAGM WILL EXCAVATED AND FILLED WITH STONE BEFORE ANY OTHER DRIVEWAY WORK IS PERFORMED.

DRIVEWAY GRADING AND CONSTRUCTION viii. UPON COMPLETION OF THE STONE DIAPHRAGM, THE DRIVEWAY WILL BE GRADED TO FINAL GRADE MINUS ASPHALT PAVEMENT THICKNESS.

PAVING

ix. THE FINAL TASK WILL BE TO PAVE THE ENTIRE DRIVEWAY.

RE-VEGETATION NARRATIVE:

- a. IT IS THE INTENT OF THE APPLICANT TO RE-VEGETATE ALL DISTURBED AREAS IN THE UPLAND REVIEW AREA AND THE WETLAND AREA WITH AN APPROPRIATE SEED MIX IN ACCORDANCE WITH 2002 CONNECTICUT GUIDELINES FOR SOIL AND EROSION SEDIMENT CONTROL.
- b. ALL EXCESS MATERIAL NOT USED FOR BACKFILLING / GRADING DURING CONSTRUCTION MUST BE EVENLY SPREAD ONTO THE DISTURBED AREAS TO RESTORE GRADES. c. TOPSOIL REMOVED DURING CONSTRUCTION WILL BE REPLACED, SEEDED, AND MULCHED.
- d. REVEGETATION SHALL BE PERFORMED WITHIN 7 DAYS OF COMPLETION OF FINAL GRADING.

HOUSE LOT AFTER DEMOLITION

ONCE THE EXISTING RESIDENCE HAS BEEN DEMOLISHED, INCLUDING REMOVAL OF THE FOUNDATION AND OTHER ASSOCIATED FEATURES, THE AREA SHOULD BE FILLED AND GRADED AND TOPPED WITH A SUITABLE THICKNESS OF GOOD QUALITY TOPSOIL. THE FOLLOWING NEW ENGLAND CONSERVATION/WILDLIFE MIX IS RECOMMEND FOR THE AREA:

CONSERVATION MIX (SEED MIX FOR UPLAND REVIEW AREA REPLANTING)

VIRGINIA WILD RYE (ELYMUS VIRGINICUS), LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM), BIG BLUESTEM (ANDROPOGON GERARDII), RED FESCUE (FESTUCA RUBRA), SWITCH GRASS (PANICUM VIRGATUM), PARTRIDGE PEA (CHAMAECRISTA FASCICULATA), PANICLEDLEAF TICK TREFOIL (DESMODIUM PANICULATUM), INDIAN GRASS (SORGHASTRUM NUTANS), BLUE VERVAIN (VERBENA HASTATA), BUTTERFLY MILKWEED (ASCLEPIAS TUBEROSA), BLACK EYED SUSAN (RUDBECKIA HIRTA), COMMON SNEEZEWEED (HELENIUM AUTUNALE), HEATH ASTER (ASTERPILOSUS/SYMPHYOTRICHUM PILOSUM), EARLY GOLDENROD (SOLIDAGO JUNCEA), UPLAND BENTGRASS (AGROSTIS PERENNANS).

WETLAND CROSSING

CONSTRUCTION ALONG THE EXISTING DRIVEWAY THROUGH A PORTION OF THE DELINEATED WETLAND WILL REQUIRE DISTURBANCE OF WETLANDS ALONG EITHER SIDE OF THE DRIVEWAY. ONCE CONSTRUCTION IS COMPLETE AND THE DISTURBED AREA GRADED THE FOLLOWING SEED MIX IS **RECOMMENDED FOR APPLICATION:**

NEW ENGLAND WETMIX (SEED MIX FOR WETLAND REPLANTING)

FOX SEDGE (CAREX VULPINOIDEA), LURID SEDGE (CAREX LURIDA), BLUNT BROOM SEDGE (CAREX SCOPARIA), BLUE VERVAIN (VERBENA HASTATA), FOWL BLUEGRASS (POA PALUSTRIS), HOP SEDGE (CAREX LUPULINA), GREEN BULRUSH (SCIRPUS ATROVIRENS), CREEPING SPIKE RUSH (ELEOCHARIS PALUSTRIS), FRINGED SEDGE (CAREX CRINITA), SOFT RUSH (JUNCUS EFFUSUS), SPOTTED JOE PYE WEED (EUPATORIUM MACULATUM), RATTLESNAKE GRASS (GLYCERIA CANADENSIS), SWAMP ASTER (ASTER PUNICEUS), BLUEFLAG (IRIS VERSICOLOR), SWAMP MILKWEED (ASCLEPIAS INCARNATA), SQUARE STEMMED MONKEY FLOWER (MIMULUS RINGENS).

UPPER DRIVEWAY AREA

THE CUT SLOPE ALONG THE NORTH SIDE OF THE DRIVE TOWARD THE HOUSE AS WELL AS THE FILL SLOPE ALONG THE SOUTH SIDE OF THE DRIVEWAY SHOULD BE SEEDED WITH THE REFERENCED CONSERVATION MIX.



SITE INVESTIGATION FOR SUBSURFACE SEWAGE DISPOSAL

Owner: Robert & Pamela Howard Location: 339 Chesterfield Road, Montville

Deep Test Hole Data/Soil Descriptions DATE: 3/11/2024

Test Hole # 1	Test Hole # 2	Test Hole # 3	Test Hole # 4
0-4" Top Soil 4"-31" Tan Fine Loamy Sand 31"-48" Gray Fine Sand	0-8" Top Soil 8"-22" Tan Fine Loamy Sand 22"-50" Gray Very Fine Sand	0-8" Top Soil 8"-18" Tan Fine Loamy Sand 18"-60" Gray Very Fine Sand	0-8" Top Soil 8"-22" Tan Fine Loamy Sand 22"-70" Gray Very Fine Sand
Mottling:	Mottling:	Mottling:	Mottling:
GW:	GW:	GW:	GW: 68"
Ledge: 48"	Ledge: 50"	Ledge: 60"	Ledge: 70"
Roots: 26"	Roots: 30"	Roots:	Roots:
Restrictive: 48"	Restrictive: 50"	Restrictive: 60"	Restrictive: 70"

Test Pits 1&2 located in proposed Reserve Area. Test Pits 3&4 located in proposed Primary Area. Groundwater Table: Near Max

Date: 3/11/2024

Percolation Test Data

Perc # A		Perc Rate: 10.1-20		Perc # B		Perc Rate: 8.9 min/in	
Depth: 18"		(Reserve Area)		Depth: 18"		(Primary Area)	
Presoak time: 1 Hour			Presoak: 1 Hour			1	
Time	Reading	Time	Reading	Time	Reading	Time	Reading
11:30	3.48"	12:30	8.04"	11:35	3.36"	12:35	11.16"
11:40	4.20"			11:45	5.04"		
11:50	5.16"			11:55	6.84"		
12:00	5.88"			12:05	7.92"		
12:10	6.60"			12:15	9"		
12:20	7.32"			12:25	10"		

Soil Moisture: Medium

Location: 339 Chesterfield Road, Montville

Test pits and perc test holes located by RCL Thompson LLC.

SPECIAL CONDITIONS	
Design Flow > 2000 GPD	
Public Water Supply Watershed	
Probable High Groundwater	
Ground Water < 36 inches below grade	
Slope > 25%	
Perc Rate < 1 min/inch	
Perc Rate < 5 min/inch (24" above	
water)	
Perc Rate > 30 min/inch	
Ledge < 5 feet below grade	х
Limited Suitable Area	
Open Watercourse or Wetlands	х
Flood Plain/Seasonal Flooding	

DESIGN RECOMMENDATIONS/COMMENTS: A septic design for a 3-bedroom home will require a 1,000 gallon two compartment septic tank and 495 square feet of ELA. The maximum depth into grade is not to exceed 0". MLSS must be addressed. An engineered plan is to be submitted for review prior to any permit to construct being issued. The existing house, system, and well are to be properly abandoned. Must get approval from Town of Montville Zoning Department and Wetlands Commission.

Form Completed By: Donovan Moe, Environmental Health Inspector

Others Present For Site Investigation: Ryan Thompson, Engineer & Surveyor RCL Thompson

Location Drawing Including all Test Holes and Percolation Tests

CONCLUSIONS Suitable for Sewage Disposal Х Unsuitable for Sewage Disposal (Based on area tested) Additional Investigation Required Wet Season Monitoring Required Retest During Wet Season Licensed Engineer's Plan Required Х Other:

SHEET:	1 OF 1	
SUPPLEMENTAL NOTES & SOIL DATA	339 CHESTERFIELD RD OAKDALE, CT	DRAWING SCALE: N/A DATE: August 29, 2024
	ENGINEERING - SURVEYING 860-941-7721 www.rclthompson.com	19 Pepperbush Dr. Clinton, CT 06413
REVISIONS		