

TEST PIT LOGS
 TEST PITS TP-1 THROUGH TP-10 EXCAVATED BY MINI-EXCAVATOR OPERATED BY ROGER PARKER EXCAVATING ON SEPTEMBER 29, 2016. ALL TEST PITS WERE LOGGED BY MILES WAITE, LICENSED DESIGNER TYPE B (1464).

TEST PIT TP-1		TEST PIT TP-2	
Depth	Description	Depth	Description
0-9"	A GRAVELLY FINE SANDY LOAM, DARK BROWN (7.5YR 3/3), LOOSE, DRY, TURNING TO ROCK FRAGMENTS	0-9"	A GRAVELLY FINE SANDY LOAM, DARK BROWN (7.5YR 3/3), LOOSE, DRY, TURNING TO ROCK FRAGMENTS
9"	BEDROCK	9"	BEDROCK
SHWT - NONE TO DEPTH STANDING WATER - NONE TO DEPTH BEDROCK - 9"		SHWT - NONE TO DEPTH STANDING WATER - NONE TO DEPTH BEDROCK - 9"	
TEST PIT TP-3		TEST PIT TP-4	
Depth	Description	Depth	Description
0-11"	A GRAVELLY FINE SANDY LOAM, DARK BROWN (7.5YR 3/3), FRIABLE, DRY, COMMON ROOTS	0-11"	A GRAVELLY FINE SANDY LOAM, DARK BROWN (7.5YR 3/3), FRIABLE, DRY, COMMON ROOTS
11-31"	B/C GRAVELLY CLAY LOAM (TILL-LIKE), REDDISH BROWN (5YR 4/3), FRIABLE TO 17" FIRING BELOW, ANGULAR GRAVEL/BROKEN ROCK FRAGMENTS INCREASING WITH DEPTH, NO OBVIOUS MOTTLES	11-24"	B/C GRAVELLY CLAY LOAM (TILL-LIKE), REDDISH BROWN (5YR 4/3), FRIABLE TO 16" FIRING BELOW, ANGULAR GRAVEL/BROKEN ROCK FRAGMENTS INCREASING WITH DEPTH, NO OBVIOUS MOTTLES
31"	BEDROCK	24"	BEDROCK
SHWT - NONE TO DEPTH STANDING WATER - NONE TO DEPTH BEDROCK - 31"		SHWT - NONE TO DEPTH STANDING WATER - NONE TO DEPTH BEDROCK - 24"	
TEST PIT TP-5		TEST PIT TP-6	
Depth	Description	Depth	Description
0-11"	A GRAVELLY FINE SANDY LOAM, DARK BROWN (7.5YR 3/3), FRIABLE, DRY, COMMON ROOTS	0-11"	A GRAVELLY FINE SANDY LOAM, DARK BROWN (7.5YR 3/3), FRIABLE, DRY, COMMON ROOTS
11-27"	B/C GRAVELLY CLAY LOAM (TILL-LIKE), REDDISH BROWN (5YR 4/3), FRIABLE TO 16" FIRING BELOW, ANGULAR GRAVEL/BROKEN ROCK FRAGMENTS INCREASING WITH DEPTH, NO OBVIOUS MOTTLES	11-26"	B/C GRAVELLY CLAY LOAM (TILL-LIKE), REDDISH BROWN (5YR 4/3), FRIABLE TO 16" FIRING BELOW, ANGULAR GRAVEL/BROKEN ROCK FRAGMENTS INCREASING WITH DEPTH, NO OBVIOUS MOTTLES
27"	BEDROCK	26"	BEDROCK
SHWT - NONE TO DEPTH STANDING WATER - NONE TO DEPTH BEDROCK - 27"		SHWT - NONE TO DEPTH STANDING WATER - NONE TO DEPTH BEDROCK - 26"	
TEST PIT TP-7		TEST PIT TP-8	
Depth	Description	Depth	Description
0-11"	A GRAVELLY FINE SANDY LOAM, DARK BROWN (7.5YR 3/3), FRIABLE, DRY, COMMON ROOTS	0-11"	A GRAVELLY FINE SANDY LOAM, DARK BROWN (7.5YR 3/3), FRIABLE, DRY, COMMON ROOTS
11-27"	B/C GRAVELLY CLAY LOAM (TILL-LIKE), REDDISH BROWN (5YR 4/3), FRIABLE TO 16" FIRING BELOW, ANGULAR GRAVEL/BROKEN ROCK FRAGMENTS INCREASING WITH DEPTH, NO OBVIOUS MOTTLES	11-36"	B/C GRAVELLY CLAY LOAM (TILL-LIKE), REDDISH BROWN (5YR 4/3), FRIABLE TO 21" FIRING BELOW, ANGULAR GRAVEL/BROKEN ROCK FRAGMENTS INCREASING WITH DEPTH, NO OBVIOUS MOTTLES
27"	BEDROCK	36"	BEDROCK
SHWT - NONE TO DEPTH STANDING WATER - NONE TO DEPTH BEDROCK - 27"		SHWT - NONE TO DEPTH STANDING WATER - NONE TO DEPTH BEDROCK - 36"	
TEST PIT TP-9		TEST PIT TP-10	
Depth	Description	Depth	Description
0-11"	A GRAVELLY FINE SANDY LOAM, DARK BROWN (7.5YR 3/3), FRIABLE, DRY, COMMON ROOTS	0-11"	A GRAVELLY FINE SANDY LOAM, DARK BROWN (7.5YR 3/3), FRIABLE, DRY, COMMON ROOTS
11-39"	B/C GRAVELLY CLAY LOAM (TILL-LIKE), REDDISH BROWN (5YR 4/3), FRIABLE TO 20" FIRING BELOW, ANGULAR GRAVEL/BROKEN ROCK FRAGMENTS INCREASING WITH DEPTH, NO OBVIOUS MOTTLES	11-32"	B/C GRAVELLY CLAY LOAM (TILL-LIKE), REDDISH BROWN (5YR 4/3), FRIABLE TO 20" FIRING BELOW, ANGULAR GRAVEL/BROKEN ROCK FRAGMENTS INCREASING WITH DEPTH, NO OBVIOUS MOTTLES
39"	BEDROCK	32"	BEDROCK
SHWT - NONE TO DEPTH STANDING WATER - NONE TO DEPTH BEDROCK - 39"		SHWT - NONE TO DEPTH STANDING WATER - NONE TO DEPTH BEDROCK - 32"	

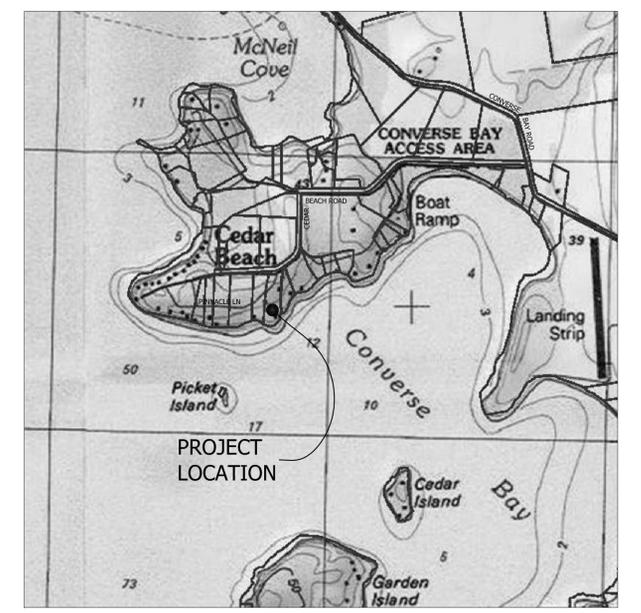
PLAN NOTES:

- BOUNDARY INFORMATION PROVIDED BY: THE LANDOWNER, AND THE TOWN OF CHARLOTTE TAX MAP.
- ALL ELEVATIONS SHOWN ARE COMBINATION OF LIDAR SURVEY CONDUCTED BY THE STATE OF VERMONT, AND TOPO SURVEY CONDUCTED BY LAKESIDE ENVIRONMENTAL GROUP ON NOVEMBER 14, 2016.
- TEMPORARY BENCHMARK SHOWN ON PLAN AS "TBM" WAS SET AS TOP OF CONCRETE FOOTING AT GARAGE CORNER AS PART OF THE LAKESIDE ENVIRONMENTAL GROUP TOPO SURVEY.
- THIS PLAN IS FOR REGULATORY APPROVAL ONLY AND IS NOT A LEGAL SURVEY.

DRAWING LEGEND

	APPROXIMATE PROPERTY LINE
	EXISTING ELEVATION CONTOUR (FT) VERIFIED BY L&D SURVEY
	PROPOSED FINAL CONTOUR (FT)
	PROPOSED SEWER FORCE MAIN
	PROPOSED WATER SERVICE LINE
	TEST PIT LOGGED BY W.H.E.M.
	TEMPORARY BENCH MARK (T.B.M.)
	PROPOSED DRILLED SUPPLY WELL
	WELL ISOLATION ZONE
	WASTEWATER ISOLATION ZONE
	AREAS OF OVERSHADOWING

I HEREBY CERTIFY THAT THE DESIGN-RELATED INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT, AND THAT, IN THE EXERCISE OF MY REASONABLE PROFESSIONAL JUDGEMENT, THE DESIGN INCLUDED IN THE APPLICATION FOR PERMIT COMPLIES WITH THE VERMONT WASTEWATER SYSTEM AND POTABLE WATER SUPPLY RULES AND THE VERMONT WATER SUPPLY RULES.



LOCATION MAP
NOT TO SCALE

- GENERAL NOTES:**
- PRIOR TO COMMENCING CONSTRUCTION, THE OWNER/CONTRACTOR SHALL STUDY THIS INFORMATION AND DIRECT ANY QUESTIONS TO THE DESIGNER.
 - THE OWNER/CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTING THE SYSTEM AS PER THE "APPROVED" PLANS. ANY DEVIATIONS FROM THE "APPROVED" PLANS ARE TO BE REPORTED TO AND AUTHORIZED BY THE DESIGNER.
 - THE OWNER/CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE DESIGNER THE SCHEDULE OF CONSTRUCTION INSPECTIONS AND CERTIFICATIONS IN ACCORDANCE WITH THE "APPROVED" PLANS AND AS PER STATE PERMIT REQUIREMENTS.
 - W.H.E.M. ASSUMES NO RESPONSIBILITY FOR PROPER OPERATION AND MAINTENANCE OF THE SEPTIC SYSTEM OR WATER SYSTEMS.

- HOMEOWNER NOTES:**
- THE SEPTIC TANK SHALL BE PUMPED EVERY 2 TO 3 YEARS. IT IS RECOMMENDED THAT THE TANK BE INSPECTED ON AN ANNUAL BASIS TO INSURE THAT THE COMBINED THICKNESS OF THE SLUDGE AND SURFACE SCUM IS EQUAL TO NO MORE THAN 1/3 THE TANK DEPTH.
 - THE HOMEOWNER SHALL HAVE THE EFFLUENT FILTER CLEANED AND INSPECTED ON AN ANNUAL BASIS.
 - USE OF A GARABGE DISPOSAL, JACUZZIE, OR WATER CONDITIONER ARE NOT RECOMMENDED.
 - VEHICLES AND HEAVY EQUIPMENT MUST BE KEPT OFF THE ENTIRE SEPTIC SYSTEM.
 - NO TREES OR DEEPLY ROOTED PLANT SHALL BE PLANTED WITHIN 10 FT OF THE DISPOSAL AREA. THE GRASS COVER OVER THE ENTIRE DISPOSAL AREA SHALL BE MAINTAINED AND MOWED AT LEAST ANNUALLY.
 - FAILURE TO COMPLY WITH ANY OF THE ITEMS ABOVE RELIEVES W.H.E.M. OF ANY RESPONSIBILITY FOR PROPER OPERATION OF THE SEPTIC SYSTEM.

- CONSTRUCTION NOTES:**
- ALL EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND SHOULD BE VERIFIED BY CONTRACTOR PRIOR TO EXCAVATION AND CONSTRUCTION.
 - CONTRACTOR IS RESPONSIBLE FOR CONTACTING DIG-SAFE (1-888-344-7233) PRIOR TO CONSTRUCTION.
 - PRIOR TO CONSTRUCTION, NOTIFY W.H.E.M. TO STAKE OUT THE SEPTIC SYSTEM.
 - DURING CONSTRUCTION, NOTIFY W.H.E.M. TO PROVIDE INVERT ELEVATIONS OF PUMP STATION OUTLETS AND FINAL ELEVATIONS OF MANIFOLDS TO CONFIRM PUMP RATING.
 - NOTIFY W.H.E.M. 48 HOURS BEFORE COVERING ANY PART OF SEPTIC SYSTEM, FOR A COMPLETION INSPECTION/CERTIFICATION.
 - TEST ALL TANKAGE AND PIPING IN ACCORDANCE WITH VERMONT REGULATIONS. TESTING OF SEPTIC TANK AND PUMP STATION FOR WATERTIGHTNESS INVOLVES FILLING EACH TANK TO A POINT OF AT LEAST 2", BUT NOT MORE THAN 3", ABOVE THE POINT OF RISER CONNECTION TO THE TOP OF THE TANK. DURING THE TEST THERE SHALL NOT BE A MEASURABLE LEAKAGE OVER A 24-HR PERIOD.
 - ALL EQUIPMENT MUST BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
 - ALL WORK SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS. HOUSE CONSTRUCTION MUST CONFORM TO VERMONT RESIDENTIAL BUILDING ENERGY STANDARDS.
 - CLEARING OF DISTURBANCE OF MORE THAN 1 ACRE MAY REQUIRE A CONSTRUCTION STORMWATER PERMIT. IT IS RECOMMENDED THAT AT A MINIMUM EROSION CONTROL (SILT FENCE) SHOULD BE INSTALLED ALONG THE CONTOUR BELOW ANY DISTURBED AREA TO PREVENT EROSION AND SEDIMENTATION DURING CONSTRUCTION.

MILES E. WAITE
NO. 464
TYPE B
LICENSED DESIGNER

WASTEWATER & POTABLE WATER SYSTEM PLAN

ALEXA J. LEWIS
158 PINNACLE LANE
CHARLOTTE, VERMONT

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SCALE: **NOTED** DATE: **8/1/2017**

DRAWN BY: **D.W.F./M.E.W.** PROJECT NO.: **2016-44**

PROJECT MANAGER: **M.E.W.**

LAYOUT: WW Plan DRAFT FINAL

SHEET **1** OF **2**

