

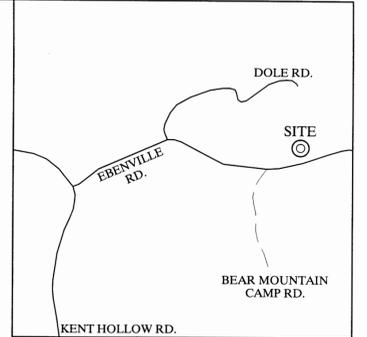
GENERAL NOTES:

1. THIS IS NOT A SURVEY! APPROX. BOUNDARY LINES AS SHOWN ARE BASED ON EXISTING PHYSICAL EVIDENCE FOUND, PREVIOUS SURVEYS OF RECORD AND DEED DESCRIPTIONS.
2. IT IS THE PROPERTY OWNERS RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS PRIOR TO THE START OF ANY EXCAVATION WORK.
3. IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT "DIG SAFE" PRIOR TO THE START OF ANY EXCAVATION WORK, TO MARK BURIED UTILITIES.
4. SOIL TEST WERE CONDUCTED ON MAY 18, 2015 IN THE PRESENCE OF TIMOTHY CHMIELEWSKI (DESIGNER), JEFF LOURIE (BACKHOE), ELIAS ERWIN (STATE).
5. REFERENCE IS MADE TO AN E-MAIL FROM JULIE FOLEY (DISTRICT WETLAND ECOLOGIST) DATED NOVEMBER 05, 2014 IN REGARDS TO A SITE VISIT MADE ON 10/08/2014 WITH TIMOTHY CHMIELEWSKI CONCERNING THE MAPPED WETLAND ON THE PROPERTY.

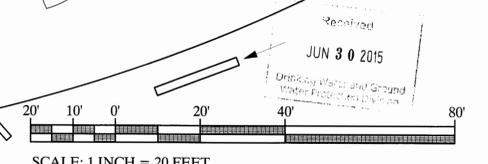
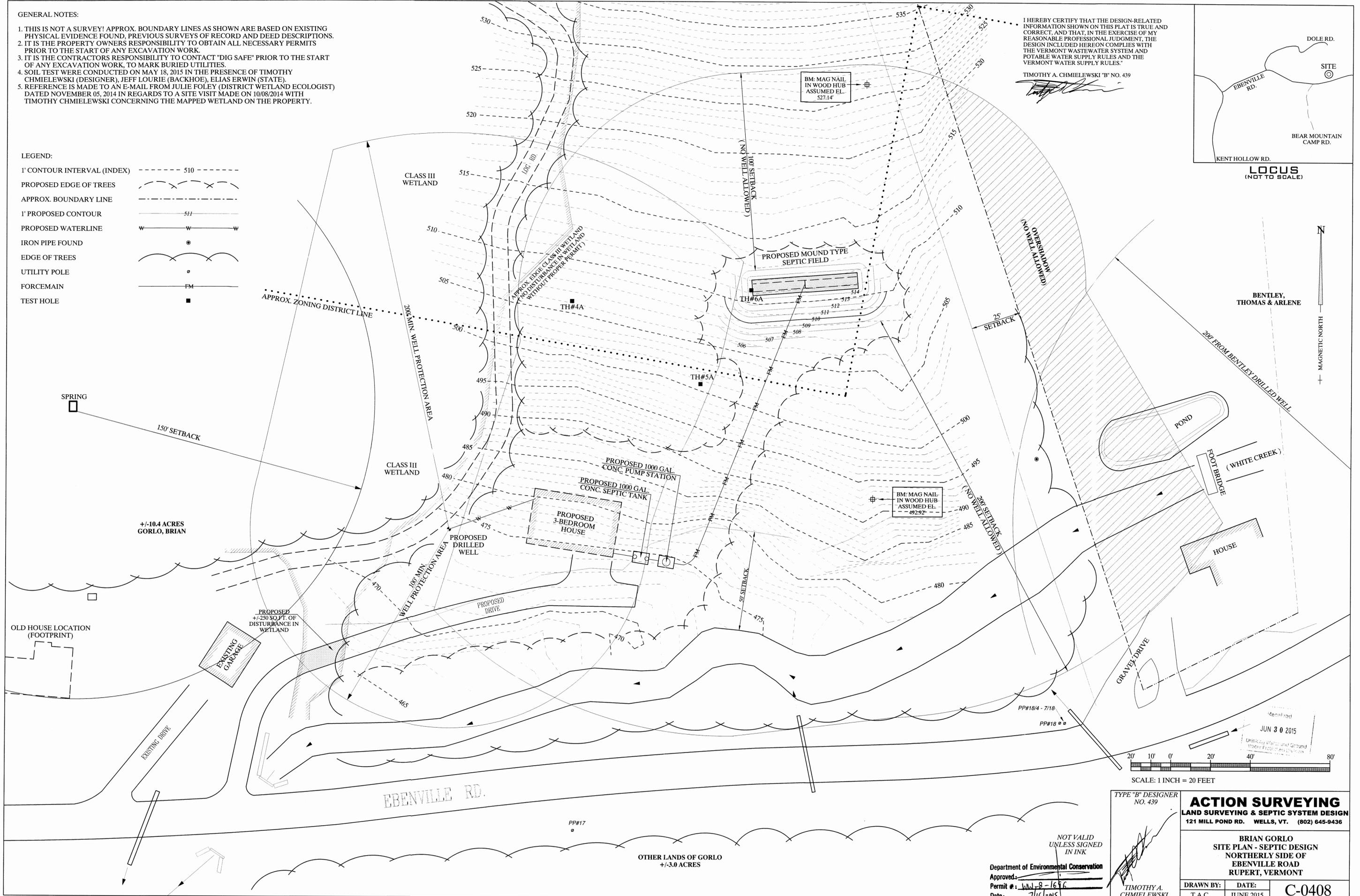
LEGEND:

- 1' CONTOUR INTERVAL (INDEX) - - - - - 510
- PROPOSED EDGE OF TREES - - - - - X
- APPROX. BOUNDARY LINE - - - - -
- 1' PROPOSED CONTOUR - - - - - 511
- PROPOSED WATERLINE - - - - - W
- IRON PIPE FOUND - - - - - ●
- EDGE OF TREES - - - - - X
- UTILITY POLE - - - - - ○
- FORCEMAIN - - - - - FM
- TEST HOLE - - - - - ■

I HEREBY CERTIFY THAT THE DESIGN-RELATED INFORMATION SHOWN ON THIS PLAN IS TRUE AND CORRECT, AND THAT, IN THE EXERCISE OF MY REASONABLE PROFESSIONAL JUDGMENT, THE DESIGN INCLUDED HEREON COMPLIES WITH THE VERMONT WASTEWATER SYSTEM AND POTABLE WATER SUPPLY RULES AND THE VERMONT WATER SUPPLY RULES.
 TIMOTHY A. CHMIELEWSKI "B" NO. 439



LOCUS (NOT TO SCALE)



ACTION SURVEYING
 LAND SURVEYING & SEPTIC SYSTEM DESIGN
 121 MILL POND RD. WELLS, VT. (802) 645-9436

BRIAN GORLO
 SITE PLAN - SEPTIC DESIGN
 NORTHERLY SIDE OF
 EBENVILLE ROAD
 RUPERT, VERMONT

DRAWN BY: T.A.C. DATE: JUNE 2015

C-0408

NOT VALID UNLESS SIGNED IN INK
 Department of Environmental Conservation
 Approved: [Signature]
 Permit #: 1411-8-1676
 Date: 7/16/2015

TYPE "B" DESIGNER
 NO. 439
 TIMOTHY A. CHMIELEWSKI

OTHER LANDS OF GORLO
 +/-3.0 ACRES

+/-10.4 ACRES
 GORLO, BRIAN

CLASS III
 WETLAND

CLASS III
 WETLAND

PROPOSED 3-BEDROOM
 HOUSE

PROPOSED 1000 GAL.
 CONC. SEPTIC TANK

PROPOSED 1000 GAL.
 CONC. PUMP STATION

PROPOSED MOUND TYPE
 SEPTIC FIELD

POND

HOUSE

FOOT BRIDGE
 (WHITE CREEK)

GRAVEL DRIVE

PROPOSED DRIVE

PROPOSED DRILLED WELL

EXISTING GARAGE

OLD HOUSE LOCATION
 (FOOTPRINT)

SPRING

EBENVILLE RD.

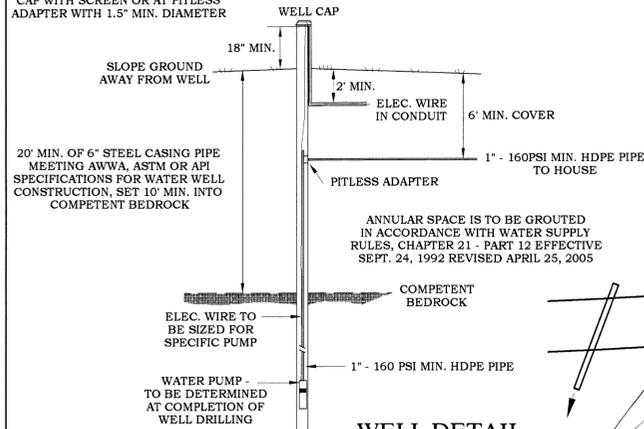
BENTLEY,
 THOMAS & ARLENE

MAGNETIC NORTH

JUN 30 2015

Urrutia Water and Ground
 Water Professionals

NOTE: WELL TO BE VENTED AT CAP WITH SCREEN OR AT PITLESS ADAPTER WITH 1.5" MIN. DIAMETER



WELL DETAIL (NOT TO SCALE)

- WELL CONSTRUCTION NOTES:**
1. THE PROPOSED DRILLED BEDROCK WELL IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE VERMONT WATER SUPPLY RULES, CHAPTER 21, APPENDIX A, PARTS 11 & 12.
 2. THE PROPOSED DRILLED BEDROCK WELL SHALL NOT BE CONSTRUCTED WITH LESS THAN 20' OF WATER TIGHT CASING. THE WELL CASING SHALL EXTEND TO A DEPTH TO SECURE THE CASING 10' INTO COMPETENT BEDROCK. THE WELL CASING SHALL EXTEND A MIN. OF 18" ABOVE FINISHED GRADE. THE CASING IS TO BE FITTED WITH A CAP THAT CAN'T BE REMOVED WITHOUT THE USE OF TOOLS.
 3. THE NEW WELL SHALL BE IDENTIFIED WITH A WELL TAG IDENTIFYING THE WELL DRILLERS LICENSE NO. AND A UNIQUE IDENTIFICATION NUMBER.
 4. MAINTAIN A MIN. OF THE FOLLOWING ISOLATION DISTANCES FROM THE WELL: 25' FROM THE SHOULDER OF A ROADWAY OR PARKING LOT; 15' FROM THE EDGE OF A DRIVEWAY; 10' FROM THE PROPERTY LINE; 10' FROM SURFACE WATER AND 50' FROM SUBSURFACE WASTEWATER PIPING OR RELATED TANKS.

INVERT ELEVATIONS:

- OUTLET (HOUSE): 514.50' MIN.
- OUTLET (SEPTIC TANK): 514.09'
- INLET (PUMP STATION): 508.05'
- OUTLET (PUMP STATION): 505.21'
- INLET (D-BOX): 512.42'
- OUTLET (D-BOX): 512.50'
- INVERT (TRENCH#1): 512.50'
- INVERT (TRENCH#2): 510.50'

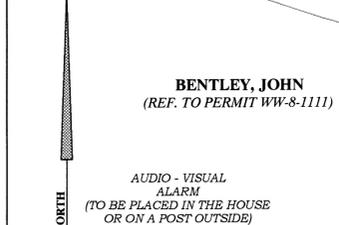
DESIGN CRITERIA:

$Q = 3 \sqrt[4]{10.0} = 0.95 \text{ GAL. / SQ.FT. / DAY}$
420 GPD (3-BEDROOMS / 6 OCCUPANTS)
0.95 GAL. / SQ.FT. / DAY = 442 SQ.FT. MIN. REQUIRED
(2) TRENCHES @ 4' X 59' = 472 SQ.FT. AVAILABLE

I HEREBY CERTIFY THAT THE DESIGN-RELATED INFORMATION SHOWN ON THIS PLAN IS TRUE AND CORRECT, AND THAT, IN THE EXERCISE OF MY REASONABLE PROFESSIONAL JUDGMENT, THE DESIGN INCLUDED HEREON COMPLIES WITH THE VERMONT WASTEWATER SYSTEM AND POTABLE WATER SUPPLY RULES AND THE VERMONT WATER SUPPLY RULES.

TIMOTHY A. CHMIELEWSKI "B" NO. 439

OTHER LANDS OF GORLO

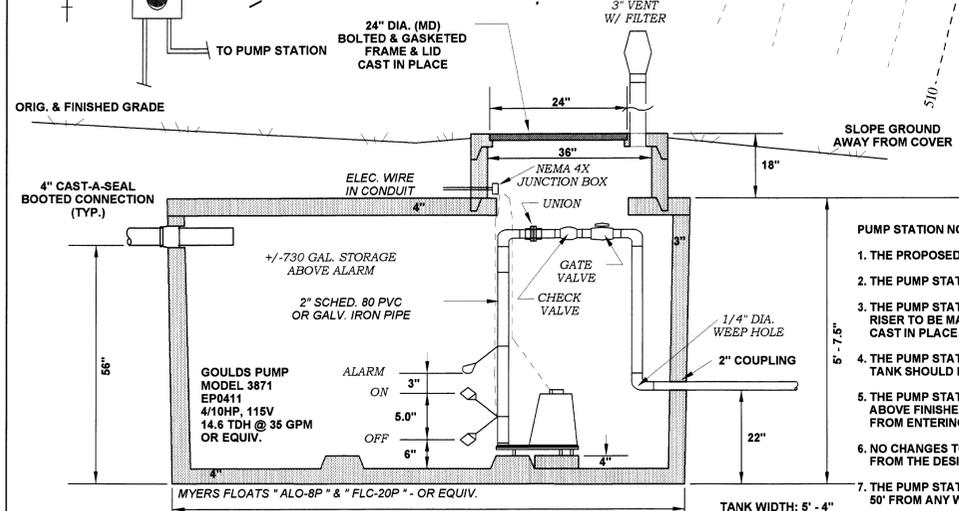


AUDIO-VISUAL ALARM (TO BE PLACED IN THE HOUSE OR ON A POST OUTSIDE)

- EROSION PREVENTION & SEDIMENT CONTROL NOTES:**
1. LIMIT SOIL DISTURBANCE TO THE AREA(S) SHOWN. KEEP AREAS OF SOIL DISTURBANCE TO A MINIMUM TO PREVENT UNNECESSARY SOIL MOVEMENT.
 2. ALL EXPOSED SOIL SHOULD BE MULCHED AND/OR SEEDED UPON COMPLETION OF WORK IN THE AREA OR IF THE WORK AREA IS TO BE VACANT FOR 7 DAYS OR MORE.
 3. THE CONTRACTOR SHOULD REFER TO THE VERMONT STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL AND THE FIELD GUIDE TO HELP DETERMINE THE BEST MANAGEMENT PRACTICES FOR THE SITE.
 4. PROPOSED TOTAL DISTURBANCE AS SHOWN IS +/- 0.58 ACRES. TOTAL IMPERVIOUS SURFACES FOR THE SOUTH SIDE OF THE ROAD IS +/- 0.06 ACRES.

- DISPOSAL FIELD CONSTRUCTION NOTES:**
1. THE WASTEWATER DISPOSAL FIELD IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION RULES, CHAPTER 1, WASTEWATER SYSTEM AND POTABLE WATER SUPPLY RULES, EFFECTIVE SEPTEMBER 29, 2007.
 2. THE DISPOSAL FIELD MUST BE TESTED AND INSPECTED BY THE DESIGNER, PRIOR TO BEING COVERED.
 3. WATERPROOF TANKS, SEALS AND ALL JOINTS TO PREVENT GROUNDWATER INFILTRATION.
 4. CLEAR ALL TREES FROM WITHIN 10' OF THE DISPOSAL FIELD. DO NOT REMOVE STUMPS - CUT FLUSH TO GROUND.
 5. PROPOSED 4" SCHED. 80 PVC OR CAST IRON PIPE FROM HOUSE TO SEPTIC TANK. 14" PER 1' MIN. SLOPE.
 6. PROPOSED 2" SDR26 FORCEMAIN FROM PUMP STATION. INSULATE WITH 2" OF BLUEBOARD FOR EVERY 1" LESS THAN 5" DEEP. UNLESS FORCEMAIN WILL DRAIN BACK TO PUMP STATION.
 7. DO NOT INSTALL DISPOSAL FIELD WHEN SOIL MOISTURE CONTENT IS TO HIGH. MOISTURE CONTENT IS TO HIGH IF A SOIL SAMPLE FROM 9" BELOW GRADE CAN BE EASILY ROLLED INTO A WIRE.

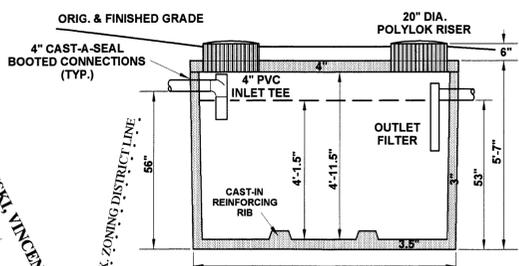
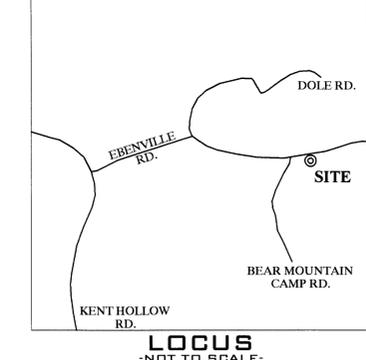
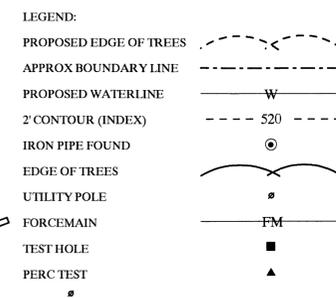
- GENERAL NOTES:**
1. THIS IS NOT A SURVEY! APPROX. BOUNDARY LINES ARE SHOWN BASED ON EXISTING PHYSICAL EVIDENCE, DEED DESCRIPTIONS AND PREVIOUS SURVEYS OF RECORD.
 2. IT IS THE PROPERTY OWNER'S RESPONSIBILITY TO OBTAIN ALL STATE AND LOCAL PERMITS PRIOR TO THE START OF ANY EXCAVATION WORK.
 3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT "DIG SAFE" PRIOR TO THE START OF ANY EXCAVATION WORK.
 4. SOIL TEST WERE CONDUCTED ON JULY 02, 2014 IN THE PRESENCE OF TIMOTHY CHMIELEWSKI (DESIGNER) AND JEFF LOURIE (BACKHOE). A SECOND SET OF TESTING WAS CONDUCTED ON MAY 18, 2015 IN THE PRESENCE OF TIMOTHY CHMIELEWSKI (DESIGNER), JEFF LOURIE (BACKHOE) AND ELIAS ERWIN (STATE).
 5. NO CHANGES ARE ALLOWED TO THE APPROVED DESIGN WITHOUT PRIOR APPROVAL FROM THE DESIGNER AND/OR THE NECESSARY PERMIT AMENDMENTS.



PROPOSED CAMP 1000 GAL. CONC. WATER-PROOF PUMP STATION (NOT TO SCALE)

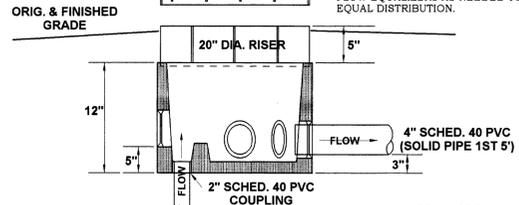
- PUMP STATION NOTES:**
1. THE PROPOSED PUMP STATION IS TO BE A 1000 GAL. CONC. TANK WITH 3" MIN. WALL THICKNESS.
 2. THE PUMP STATION IS TO BE PLACED ON A 6" MINIMUM COMPACTED STONE BED.
 3. THE PUMP STATION SHALL HAVE A CHILDPROOF ACCESS RISER TO GRADE WITH A 36" MIN. DIAMETER. RISER TO BE MADE OF CONCRETE AND SEALED TO PREVENT GROUNDWATER INFILTRATION OR A CAST IN PLACE POLYETHYLENE RISER.
 4. THE PUMP STATION SHOULD BE PUMPED AND INSPECTED WITH THE SEPTIC TANK. THE INSIDE OF THE TANK SHOULD BE INSPECTED FOR LEAKS OR CRACKS. TANK IS TO BE FIXED OR REPLACED AS REQUIRED.
 5. THE PUMP STATION IS TO BE EQUIPPED WITH A 3" MIN. VENT. THE VENT IS TO EXTEND A MIN. OF 3' ABOVE FINISHED GRADE AND IS TO BE EQUIPPED WITH A FILTER OR SCREEN TO PREVENT RODENTS FROM ENTERING THE TANK AND/OR TO PREVENT FOUL ODDORS.
 6. NO CHANGES TO THE PUMP STATION LOCATION OR ELEVATION IS ALLOWED WITHOUT PRIOR APPROVAL FROM THE DESIGNER AND/OR STATE.
 7. THE PUMP STATION IS TO BE LOCATED A MINIMUM OF 10' FROM THE FOUNDATION OF THE HOUSE AND 50' FROM ANY WATERLINES.

+/-97 GAL DOSE (6 DOSES / DAY) WITH +/-27 GAL. TO DRAIN BACK TO PUMP STATION.



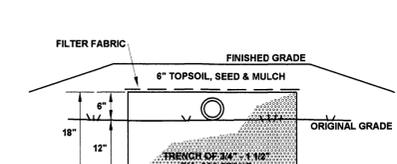
PROPOSED CAMP 1000 GAL. CONC. WATER-PROOF SEPTIC TANK (NOT TO SCALE)

- D-BOX NOTES:**
1. D-BOX TO HAVE ACCESS RISER TO GRADE. INSULATE AS REQ'D. TO PREVENT FREEZING.
 2. ALL OUTLET PIPES TO BE EQUIPPED WITH FLOW EQUALIZERS.
 3. D-BOX TO BE INSPECTED ANNUALLY. ADJUST FLOW EQUALIZERS AS NEEDED TO ENSURE EQUAL DISTRIBUTION.

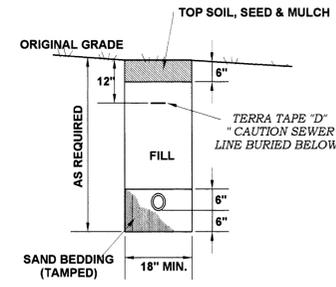


"SECTION" CAMP 5-OUTLET PRESSURE D-BOX (NOT TO SCALE)

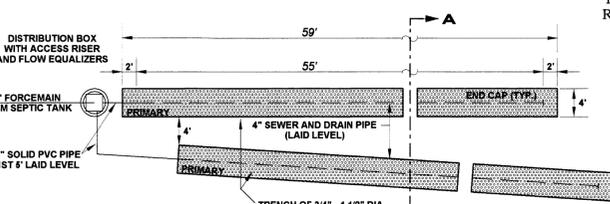
- SEPTIC TANK NOTES:**
1. PROPOSED 1000 GAL. MIN. CONC. SEPTIC TANK INSTALLATION AND MAINTENANCE TO FOLLOW THE SPECIFICATION FROM THE ENVIRONMENTAL PROTECTION RULES, CHAPTER 1, WASTEWATER SYSTEM AND POTABLE WATER SUPPLY RULES, EFFECTIVE SEPT. 29, 2007. SECTIONS 1-904(a)-(j) AND APPENDIX 3-A, 3-A-01(a)-(b).
 2. THE SEPTIC TANK SHALL BE PLACED ON A 6" MIN. COMPACTED STONE BED AT LEAST 10" FROM THE HOUSE FOUNDATION.
 3. THE PROPOSED SEPTIC TANK SHALL HAVE A MIN. 3" WALL THICKNESS. POLYETHYLENE TANKS ARE PERMITTED WITH APPROVAL FROM THE DESIGNER. THE SEPTIC TANK IS TO BE EQUIPPED WITH ACCESS RISERS TO GRADE, AN INLET "T" AND AN OUTLET FILTER THAT PREVENTS PASSAGE OF SOLIDS OVER 18" IN DIAMETER.
 4. THE SCUM AND SLUDGE LEVELS SHOULD BE CHECKED ANNUALLY BY A QUALIFIED PERSON. THE TANK SHOULD BE PUMPED IF THE SLUDGE IS CLOSER THAN 12" TO THE BAFFLE OR IF THE SCUM LAYER IS CLOSER THAN 3" TO THE OUTLET BAFFLE. AFTER PUMPING, THE INTERIOR OF THE TANK SHOULD BE CHECKED FOR CRACKS OR LEAKS - REPLACE AS NEEDED. OUTLET FILTER SHOULD BE REMOVED AND CLEANED AT LEAST ONCE A YEAR.
 5. THE DISPOSAL OF TOXIC OR HAZARDOUS MATERIALS IS NOT PERMITTED IN THE WASTEWATER DISPOSAL SYSTEM.
 6. THE USE OF GARAGE GRINDERS IS STRONGLY DISCOURAGED. IF A GRINDER IS PROPOSED, THE SEPTIC TANK CAPACITY IS TO BE INCREASED BY AT LEAST 25%.



SECTION "A" - "A" (NOT TO SCALE)

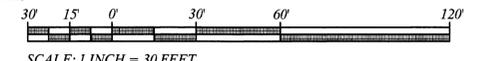


FORCEMAIN TRENCH DETAIL (NOT TO SCALE)



DISPOSAL FIELD LAYOUT (NOT TO SCALE)

REV. "A" T.A.C. 14 JULY 2015
 REVISED IN-GROUND DESIGN



SCALE: 1 INCH = 30 FEET

TYPE "B" DESIGNER NO. 439

TIMOTHY A. CHMIELEWSKI

ACTION SURVEYING
 LAND SURVEYING & SEPTIC SYSTEM DESIGN
 121 MILL POIN RD. WELLS, VT. 802-645-9436

BRIAN GORLO
 SITE PLAN & SEPTIC SYSTEM DESIGN
 SOUTHERLY SIDE OF
 EBENVILLE ROAD
 RUPERT, VERMONT

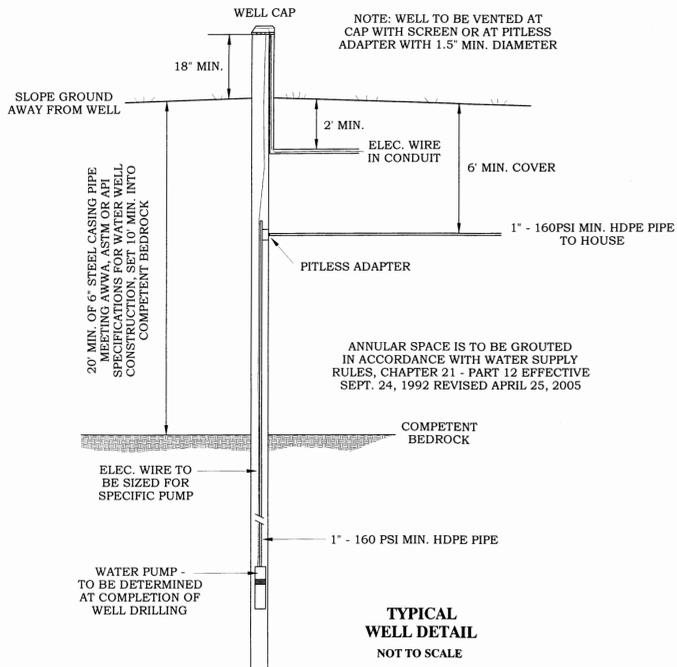
APPROVED: [Signature]
 DATE: 7/15/2015

REV. "A" T.A.C. 14 JULY 2015
 REVISED IN-GROUND DESIGN

JUL 15 2015

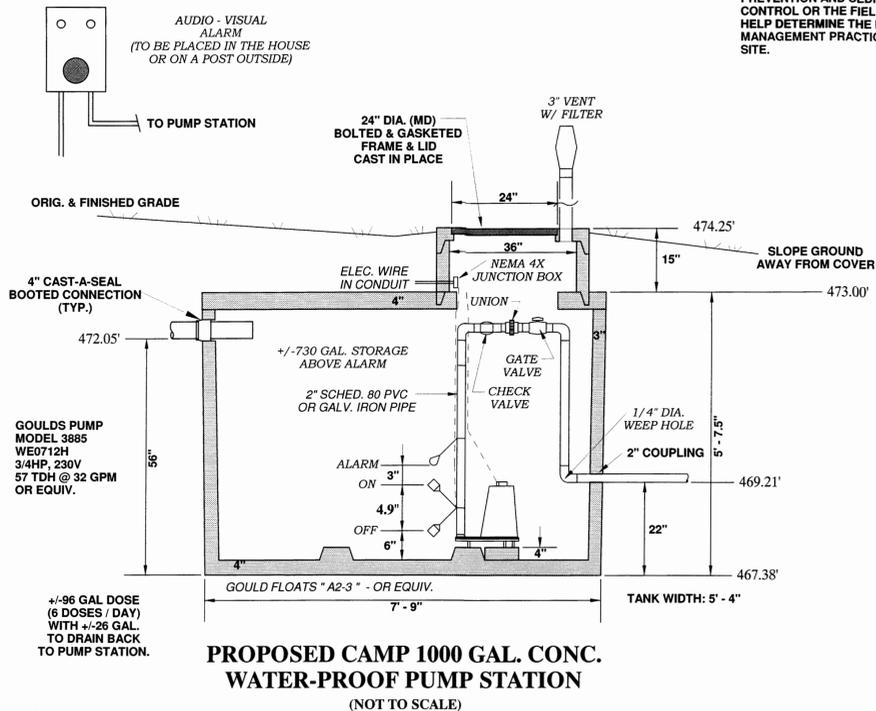
NOT VALID UNLESS SIGNED IN INK

DRAWN BY: T.A.C. DATE: JUNE 2015 C-0409



WELL CONSTRUCTION NOTES:

1. THE PROPOSED DRILLED BEDROCK WELL IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE VERMONT WATER SUPPLY RULES, CHAPTER 21, APPENDIX A, PARTS 11 & 12.
2. THE PROPOSED DRILLED BEDROCK WELL SHALL NOT BE CONSTRUCTED WITH LESS THAN 20' OF WATER TIGHT CASING. CASING SHALL EXTEND TO A DEPTH TO SECURE THE CASING INTO COMPETENT BEDROCK. THE WELL CASING SHALL EXTEND A MIN. OF 18" ABOVE FINISHED GRADE. THE CASING IS TO BE FITTED WITH A CAP THAT CAN'T BE REMOVED WITHOUT THE USE OF TOOLS.
3. THE NEW WELL SHALL BE IDENTIFIED WITH A WELL TAG IDENTIFYING THE WELL DRILLERS LICENSE NUMBER AND A UNIQUE IDENTIFICATION NUMBER.
4. MAINTAIN A MINIMUM OF THE FOLLOWING ISOLATION DISTANCES FROM THE WELL: 25' FROM THE SHOULDER OF A ROADWAY OR PARKING LOT - 15' FROM THE EDGE OF A DRIVEWAY - 10' FROM A PROPERTY LINE - 10' FROM SURFACE WATER AND 50' FROM SUBSURFACE WASTEWATER PIPING OR RELATED TANKS.



PUMP STATION NOTES:

1. THE PROPOSED PUMP STATION IS TO BE A 1000 GAL. CONC. TANK WITH 3" MIN. WALL THICKNESS.
2. THE PUMP STATION IS TO BE PLACED ON A 6" MINIMUM COMPACTED STONE BED.
3. THE PUMP STATION SHALL HAVE A CHILDPROOF ACCESS RISER TO GRADE WITH A 36" MIN. DIAMETER. RISER TO BE MADE OF CONCRETE AND SEALED TO PREVENT GROUNDWATER INFILTRATION OR A CAST IN PLACE POLYETHYLENE RISER.
4. THE PUMP STA. SHOULD BE PUMPED AND INSPECTED WITH THE SEPTIC TANK. THE INSIDE OF THE TANK SHOULD BE INSPECTED FOR LEAKS OR CRACKS. TANK IS TO BE FIXED OR REPLACED AS REQUIRED.
5. THE PUMP STATION IS TO BE EQUIPPED WITH A 3" MIN. VENT. THE VENT IS TO EXTEND A MIN. OF 3' ABOVE FINISHED GRADE AND IS TO BE EQUIPPED WITH A FILTER OR SCREEN TO PREVENT RODENTS FROM ENTERING THE TANK AND/OR TO PREVENT FOUL ODORS.
6. NO CHANGES TO THE PUMP STATION LOCATION OR ELEVATION IS ALLOWED WITHOUT PRIOR APPROVAL FROM THE DESIGNER AND/OR STATE.
7. THE PUMP STATION IS TO BE LOCATED A MINIMUM OF 10' FROM THE FOUNDATION OF THE HOUSE AND 50' FROM ANY WATERLINES.

DISPOSAL FIELD CONSTRUCTION NOTES:

SITE PREPARATION:

1. ABOVEGROUND VEGETATION SHALL BE CUT CLOSELY AND REMOVED FROM THE GROUND SURFACE UNDER THE MOUND. TREES ARE TO BE CUT FLUSH - DO NOT REMOVE THE STUMPS (REMOVE ALL TREES WITHIN 10' OF THE TOE OF THE MOUND). ONCE THE SITE IS CLEARED THE ENTIRE AREA UNDER THE MOUND IS TO BE PLOWED TO A DEPTH OF 7 - 8' WITH THE FURROWS LAID UPHILL.
2. TO PREVENT SOIL COMPACTION CONSTRUCTION EQUIPMENT SHALL NOT BE MOVED ACROSS THE PLOWED AREA, HOWEVER, AFTER THE PLACEMENT OF A MINIMUM OF 6" OF SAND FILL OVER THE PLOWED AREA - CONSTRUCTION EQUIPMENT MAY BE DRIVEN OVER THE PROTECTED AREA.
3. CONSTRUCTION AND/OR PLOWING SHALL NOT BE STARTED WHEN THE SOIL MOISTURE CONTENT IS HIGH. SOIL MOISTURE CONTENT CAN BE CHECKED BY TAKING A SAMPLE FROM 9" BELOW EXISTING GRADE - IF THE SOIL SAMPLE CAN BE EASILY ROLLED INTO A WIRE - THE MOISTURE CONTENT IS TOO HIGH!
4. THE DESIGNER SHALL INSPECT THE SITE AFTER PLOWING AND PRIOR TO THE PLACEMENT OF THE SAND FILL. A SIEVE ANALYSIS REPORT WILL BE PROVIDED TO THE DESIGNER FOR APPROVAL PRIOR TO THE PLACEMENT OF ANY SAND.
5. THE AREA AROUND THE MOUND DISPOSAL FIELD SHALL BE GRADED TO PROVIDE FOR SURFACE WATER RUN-OFF DIVERSION.

DESIGN:

1. THE WASTEWATER DISPOSAL FIELD SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION RULES, CHAPTER 1, WASTEWATER SYSTEM AND POTABLE WATER SUPPLY RULES - EFFECTIVE SEPT. 29, 2007.
2. THE SYSTEM MUST BE INSPECTED AT THE CRITICAL STAGES - CHECK WITH THE DESIGNER PRIOR TO STARTING - AND PROPERLY TESTED PRIOR TO BEING COVERED.
3. WATERPROOF TANKS, SEALS AND ALL JOINTS TO PREVENT GROUNDWATER INFILTRATION.
4. SEPTIC TANK TO HAVE ACCESS RISERS TO GRADE ON INLET AND OUTLET ACCESS PORTS. POLYLOK PL-122 EFFLUENT FILTER, OR EQUIV., TO BE ADDED TO OUTLET OF SEPTIC TANK.

MATERIALS:

1. PROPOSED 4" SCHED. 40 PVC OR CAST IRON PIPE FROM HOUSE TO SEPTIC TANK, 1/4" PER 1' MINIMUM SLOPE REQUIRED.
2. PROPOSED 2" SDR26 FORCEMAIN FROM PUMP STATION. INSULATE WITH 2" OF BLUEBOARD FOR EVERY 1' LESS THAN 5' DEEP UNLESS FORCEMAIN WILL DRAIN BACK TO PUMP STATION.
3. PROPOSED 4" SCHED. 40 PVC OR SDR35 SOLID PIPE FROM SEPTIC TANK TO PUMP STATION. 1/8" PER 1' MIN. SLOPE REQ'D.
4. MOUND WASTEWATER SYSTEM SAND TO MEET 1 OF 3 REQUIREMENTS AS SPECIFIED IN THE WASTEWATER SYSTEM AND POTABLE WATER SUPPLY RULES EFFECTIVE SEPT. 29, 2007, SUB-SECTION 1-913(c)(1)-(3).
5. THE STONE BED SHALL BE COVERED WITH 1 LAYER OF FILTER FABRIC.

EROSION PREVENTION AND SEDIMENT CONTROL NOTES:

1. THE TOTAL AMOUNT OF DISTURBANCE AS SHOWN IS +/-0.51 ACRES. ANY DISTURBANCE OVER 1 ACRE WILL REQUIRE A CONSTRUCTION GENERAL PERMIT PRIOR TO THE START OF ANY SITE WORK. TOTAL IMPERVIOUS SURFACE FOR THE NORTH SIDE OF THE ROAD IS +/-0.18 ACRES. TOTAL IMPERVIOUS OVER 1 AC. WILL REQUIRE AN OPERATIONAL STORMWATER PERMIT.
2. LIMIT DISTURBANCE TO THE AREA(S) SHOWN. KEEP AREA(S) OF SOIL DISTURBANCE TO A MINIMUM TO PREVENT ANY UNNECESSARY SOIL MOVEMENT.
3. ALL EXPOSED SOIL SHOULD BE MULCHED AND/OR SEEDED UPON COMPLETION OF WORK IN THE AREA OR IF THE WORK AREA IS TO BE VACANT FOR 7 DAYS OR MORE.
4. THE CONTRACTOR SHOULD REFER TO THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION AND SEDIMENT CONTROL OR THE FIELD GUIDE TO HELP DETERMINE THE BEST MANAGEMENT PRACTICES FOR THE SITE.

DESIGN CRITERIA (SIMPLIFIED METHOD FOR DESKTOP MOUNDING ANALYSIS)

RESTRICTIVE LAYER: ESHWT @ 18" @ WORST (TH#4A)
SLOPE RANGE: 15.1 - 20% RANGE
SOIL TEXTURE: SILT LOAM @ WORST (TH#4A)

LLR = (h) (f)
(h) = 18" - 6" = 12" OR 1.0'
(f) = 13.1

LLR = (1.0) (13.1) = 13.1 GPD / LF

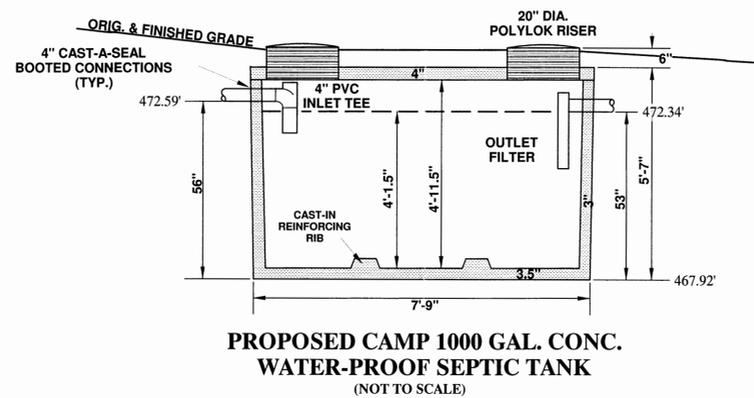
420 GPD (3-BEDROOMS / 6 OCCUPANTS)
13.1 GPD / LF = 32 LF MIN REQUIRED

MINIMUM DESIGN STANDARD:

420 GPD (3-BEDROOM / 6 OCCUPANTS)
1.0 GPD (MAX APPLICATION RATE) = 420 SQ.FT. MIN. REQUIRED

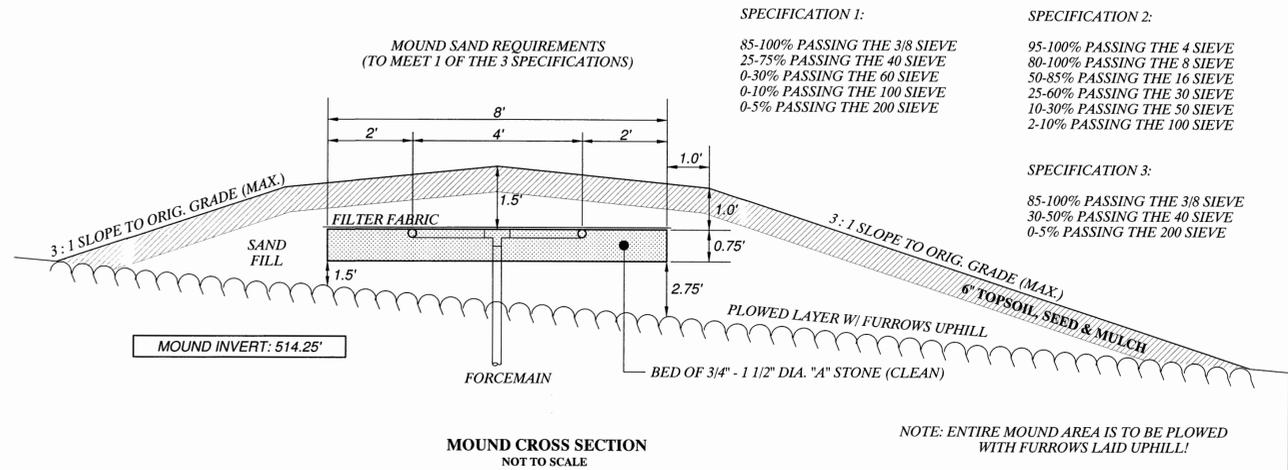
PROPOSED MOUND BED (8' X 53') = 424 SQ.FT. AVAILABLE

32 LF MIN. REQUIRED (DESKTOP)
53.0 LF AS PROPOSED



SEPTIC TANK NOTES:

1. PROPOSED 1000 GAL. MIN. CONC. SEPTIC TANK, INSTALLATION AND MAINTENANCE TO FOLLOW THE SPECIFICATIONS FROM THE ENVIRONMENTAL PROTECTION RULES, CHAPTER 1, WASTEWATER SYSTEM AND POTABLE WATER SUPPLY RULES EFFECTIVE SEPTEMBER 29, 2007, SUB-SECTION 1-904(a)-(f) AND APPENDIX 3-A, 3-A-01(a)-(b).
2. THE SEPTIC TANK SHALL BE PLACED ON A 6" MIN. STONE BED.
3. THE PROPOSED SEPTIC TANK SHALL HAVE A MIN. WALL THICKNESS OF 3". POLYETHYLENE TANKS ARE PERMITTED WITH APPROVAL FROM THE DESIGNER. THE SEPTIC TANK IS TO BE EQUIPPED WITH AN ACCESS RISER TO GRADE ON THE INLET & OUTLET END. ADD AN INLET "T" AND AN OUTLET FILTER THAT WILL PREVENT THE PASSAGE OF SOLIDS GREATER THAN 1/8" DIAMETER FROM THE TANK.
4. THE SCUM AND SLUDGE LAYER SHOULD BE CHECKED ONCE A YEAR BY A QUALIFIED PERSON. THE TANK SHOULD BE PUMPED IF THE SLUDGE IS CLOSER THAN 12" TO THE BAFFLE OR IF THE SCUM LAYER IS CLOSER THAN 3" TO THE OUTLET BAFFLE. AFTER PUMPING THE INTERIOR OF THE TANK SHOULD BE INSPECTED FOR CRACKS OR LEAKS. THE OUTLET FILTER SHOULD BE REMOVED AND CLEANED AT LEAST ONCE A YEAR.
5. THE DISPOSAL OF TOXIC OR HAZARDOUS MATERIALS IS NOT PERMITTED IN THE WASTEWATER DISPOSAL SYSTEM.
6. THE USE OF GARBAGE GRINDERS IS STRONGLY DISCOURAGED. IF A GARBAGE GRINDER IS PROPOSED, THE CAPACITY OF THE SEPTIC TANK IS TO BE INCREASED BY AT LEAST 25%.



SPECIFICATION 1:

85-100% PASSING THE 3/8 SIEVE
25-75% PASSING THE 40 SIEVE
0-30% PASSING THE 60 SIEVE
0-10% PASSING THE 100 SIEVE
0-5% PASSING THE 200 SIEVE

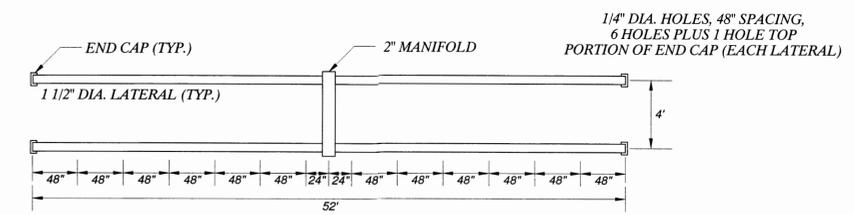
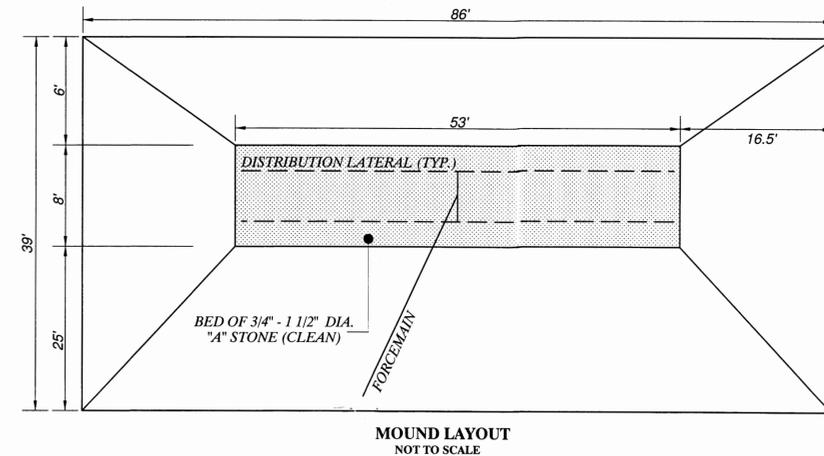
SPECIFICATION 2:

95-100% PASSING THE 4 SIEVE
80-100% PASSING THE 8 SIEVE
50-85% PASSING THE 16 SIEVE
25-60% PASSING THE 30 SIEVE
10-30% PASSING THE 50 SIEVE
2-10% PASSING THE 100 SIEVE

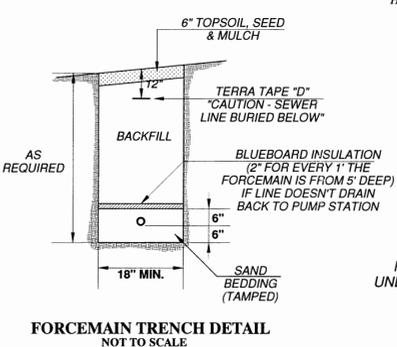
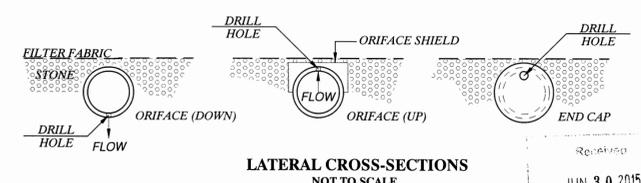
SPECIFICATION 3:

85-100% PASSING THE 3/8 SIEVE
30-50% PASSING THE 40 SIEVE
0-5% PASSING THE 200 SIEVE

NOTE: ENTIRE MOUND AREA IS TO BE PLOWED WITH FURROWS LAID UPHILL!



Department of Environmental Conservation
Approved: [Signature]
Permit #: WJ-8-16916
Date: 7/16/2015



SCALE: NONE

TYBE "B" DESIGNER NO. 439

ACTION SURVEYING
LAND SURVEYING & SEPTIC SYSTEM DESIGN
15 MILL POND ROAD WELLS, VT. (802)645-9436

BRIAN GORLO
DETAIL SHEET
NORTHERLY SIDE OF
EBENVILLE RD.
RUPERT, VERMONT

DRAWN BY: T.A.C. DATE: JUNE 2015

C-0410