

SOILS TESTING RESULTS 07/25/11

TEST PIT EXCAVATIONS AND SOILS PROFILING WERE CONDUCTED BY DOUG BICKNELL, DESIGNER LICENSE # 153

- TP #1 SHWT 6"
- 0 - 6" 10YR 5/1 GRAY/BROWN, FINE SANDY LOAM, GRANULAR STRUCTURE, FRIABLE CONSISTENCY, COMMON GRASSY ROOTS, CLEAR BOUNDARY.
 - 6"-14" 10YR 7/1 GRAY, SILT LOAM, BLOCKY STRUCTURE, FIRM CONSISTENCY, MANY DISTINCT BROWN SPOT & BLOTCH MOTTLES, CLEAR BOUNDARY.
 - 14"-42" 10YR 5/1 GRAY, CLAY LOAM, BLOCKY STRUCTURE, FIRM PLASTIC CONSISTENCY, MAY PROMINENT REDDISH-BROWN MOTTLES.

TP #2 & #3 SHWT 6"

THE SOILS PROFILE FOR TEST PITS 2 & 3 IS THE SAME AS TEST PIT 1 ONLY WITH 20 INCHES OF COBBLES AND STONES FROM THE OLD BARN FOUNDATION BEFORE REACHING ORIGINAL GROUND.

PERCOLATION TESTS CONDUCTED ON 07/25/11

P1 = 26 MIN/IN P2 = 28 MIN/IN

BASIS OF DESIGN FOR REPLACEMENT DISPOSAL SYSTEM

THIS "BEST FIX" DISPOSAL SYSTEM DESIGN PROVIDES 36 INCHES OF SEPARATION BETWEEN THE BOTTOM OF THE ABSORPTION TRENCHES AND THE SEASONAL HIGH GROUNDWATER TABLE.

SYSTEM DESIGN INCLUDES A MOUND WITH 30 INCHES OF SAND BENEATH THE ABSORPTION TRENCH.

1. SEWAGE FLOWS: PROPOSED FOUR BEDROOM HOUSE AT 490 GALLONS / DAY
2. LOADING RATE: 1.0 GPD / SF (APPLICATION RATE FOR MOUND SAND)
3. REQUIRED DISPOSAL FIELD AREA: 490 GPD / 1.0 GPD/SF = 490 SF
4. DISPOSAL AREA PROVIDED: A MOUND SYSTEM WITH TWO ABSORPTION TRENCHES THAT ARE 4 FEET WIDE AND 62 FEET LONG = 496 SQ. FT.

REQUIRED ORIFICE SPACING FOR 62 FT. LONG BY 4 FT. WIDE TRENCH:
 1 HOLE / 25 SF OF SEEPAGE AREA IS REQUIRED
 248 SF / 25 SF = 10.0 ORIFICES NEEDED PER LATERAL
 USE 20 HOLES 5/16" DIAMETER
 MINIMUM FLOW RATE: 20 ORIFICES x 1.82 GPM / ORIFICE = 36 GPM

NOTE:

THE LOT LINES SHOWN ON THIS PLAN ARE BASED ON THE TAX MAP AND EVIDENCE FOUND IN THE FIELD. THIS PLAN IS NOT A BOUNDARY PLAT.

ZONING DISTRICT:

RURAL

TAX MAP PARCEL I.D. #

00004-5103

OWNERS

DEAN LEARY &
 DONNA FRASER-LEARY
 5103 GREENBUSH ROAD
 CHARLOTTE, VT

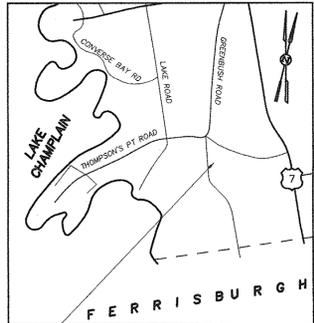


TRUDELL CONSULTING ENGINEERS (TCE)

478 Blair Park Road P.O. Box 308 (802) 879-6331 (phone)
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 Visit Us on the Web at: www.TruellaConsulting.com

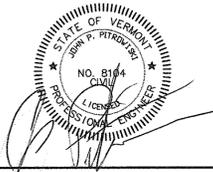
- THESE PLANS ARE SUITABLE FOR THE PURPOSE OF:
- CONCEPTUAL APPROVAL SUBMISSION
 - PRELIMINARY APPROVAL SUBMISSION
 - ACT 250 SUBMISSION IF APPLICABLE
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- USE AND INTERPRETATION OF THE DRAWINGS
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Project Location

No.	Description	Date	By
Revisions			

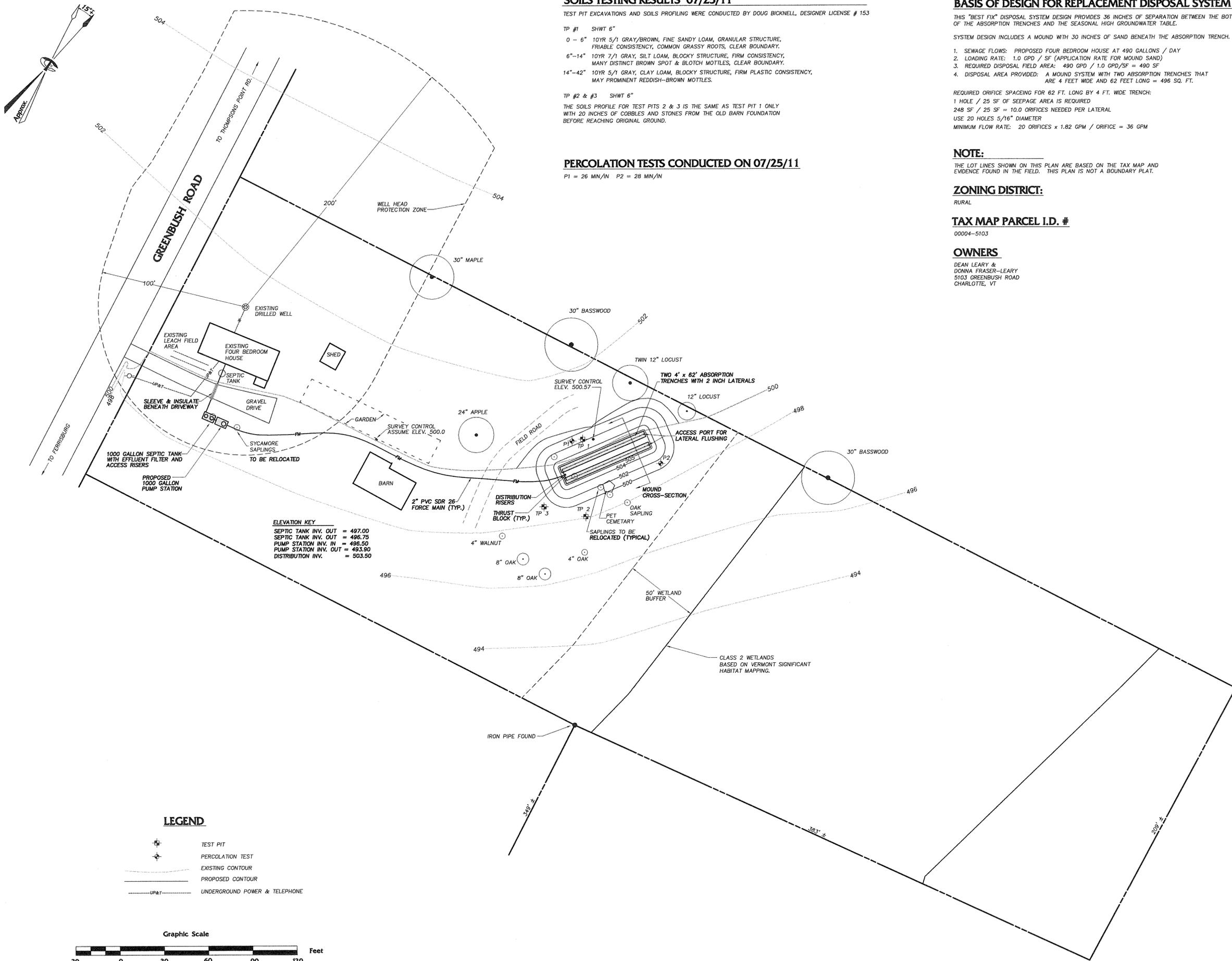


Project Title
Dean Leary & Donna Fraser-Leary
 5103 Greenbush Road
 Charlotte, VT

Sheet Title
Sanitary Plan

Drawing Number : 2011048-50 Extension : 1
 Project manager : DPB Drawn : DPB
 Date : 07/26/11 F.B. : 298 Scale : 1" = 30'
 Project reference : XXX X-Ref : XXX
 Bench File : XXX
 Approved _____

SP1



ELEVATION KEY

SEPTIC TANK INV. OUT	= 497.00
SEPTIC TANK INV. OUT	= 496.75
PUMP STATION INV. IN	= 496.50
PUMP STATION INV. OUT	= 493.90
DISTRIBUTION INV.	= 503.90

LEGEND

- TEST PIT
- PERCOLATION TEST
- EXISTING CONTOUR
- PROPOSED CONTOUR
- UNDERGROUND POWER & TELEPHONE

Graphic Scale



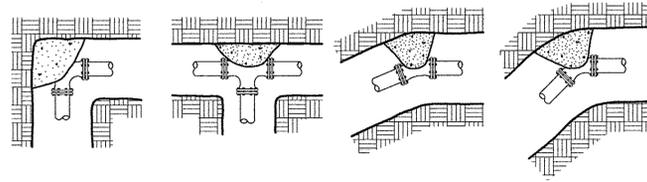
C:\Drawings\2011048-50.dwg, 7/26/2011 2:54:07 PM, \\SES\Garcia\TCS500

- THIS SITE DOES NOT MEET THE MINIMUM REQUIREMENTS FOR A CONVENTIONAL SANITARY DISPOSAL SYSTEM. THE DESIGN OF A MOUND TYPE DISPOSAL SYSTEM WILL BRING THE SITE INTO CONFORMANCE WITH THE MINIMUM REQUIREMENTS.
- THE ENGINEER HAS DETERMINED A LOCATION FOR SANITARY DISPOSAL ON THE PROPERTY BASED ON SITE INVESTIGATION AND SOIL TESTS. THE REQUIRED DISPOSAL AREA AND SYSTEM DESIGN WERE DETERMINED BY CODE REQUIREMENTS AND SUBMITTED TO APPROVING AUTHORITIES. UPON APPROVAL, THE OWNER ASSUMES RESPONSIBILITY FOR PROPER CONSTRUCTION AND CONTINUED OPERATION OF THE SYSTEM.
- THE OWNER IS RESPONSIBLE FOR OPERATING THE DISPOSAL SYSTEM IN A MANNER WHICH WILL PROTECT THE PUBLIC HEALTH AND PREVENT POLLUTION.
- NEW DISPOSAL SYSTEMS REQUIRE ADJUSTMENTS OR MODIFICATIONS DURING START UP, AND DURING THE LIFE OF THE SYSTEM. THESE ADJUSTMENTS INCLUDE LEVELING THE SEPTIC TANK, PUMP STATION OR SIPHON, DUE TO SETTLEMENT OR FROST ACTION. FILL MAY BE ADDED TO REPAIR EROSION OR LEVEL SETTLED AREAS.
- ON SITE SANITARY DISPOSAL SYSTEMS REQUIRE REGULAR INSPECTION AND MAINTENANCE. THE SEPTIC TANK, BIO-FILTER AND PUMP STATION OR SIPHON CHAMBER, IF APPLICABLE, SHOULD BE INSPECTED ANNUALLY AND PUMPED OUT AND CLEANED EVERY 3 YEARS. THE PLUMBING AND ELECTRICAL SYSTEMS, IF APPLICABLE, SHOULD BE CHECKED FOR PROPER OPERATION AND LEAKS.
- THE LIFE OF THE DISPOSAL SYSTEM CAN BE AFFECTED BY A VARIETY OF OPERATIONAL AND ENVIRONMENTAL FACTORS. THE PRESENCE OF EXCESS GROUNDWATER, RAINWATER, INTRODUCTION OF MATERIAL OTHER THAN HUMAN WASTES, (INCLUDING BUT NOT LIMITED TO, BACKWASH FROM WATER SOFTENERS, POOLS, SPAS, AND/OR SIMILAR EQUIPMENT), OR EXCESSIVE SEWAGE FLOWS WILL ADVERSELY AFFECT OPERATION OF ANY DISPOSAL SYSTEM. SOIL SETTLEMENT, FREEZING OF COMPONENTS, AND CLOGGING DUE TO ORGANIC SOLIDS ACCUMULATION WILL REQUIRE REPAIRS.
- THE OWNER IS RESPONSIBLE FOR COMPLIANCE WITH STATE AND LOCAL OPERATION AND MAINTENANCE REQUIREMENTS. THE ENGINEER AND CONTRACTOR ASSUMES NO RESPONSIBILITY FOR THE IMPROPER USE AND/OR MAINTENANCE OF THE SYSTEM.
- WARNING: WITH SUCH FINE FILTRATION (SEPTIC TANK EFFLUENT FILTER) A SCHEDULED MAINTENANCE PROGRAM MUST BE FOLLOWED.
- THE OWNER IS RESPONSIBLE FOR ALL STATE AND LOCAL PERMITS AND REQUIRED CONDITIONS OF SAID PERMITS. THIS INCLUDES BUT IS NOT LIMITED TO ANNUAL INSPECTIONS AND REPORTING. THE OWNER IS ALSO RESPONSIBLE FOR RECORDING PERMITS IN THE TOWN LAND RECORDS OFFICE. IF CONSTRUCTION DOES NOT OCCUR IN THE TIME FRAMES ESTABLISHED BY SAID PERMITS THEN THE OWNER IS RESPONSIBLE FOR REVISING DESIGN PLANS AS NEEDED AND RE-PERMITTING. IF CHANGES IN THE REGULATIONS OCCUR ONCE THE PERMITS HAVE EXPIRED, TRUDELL CONSULTING ENGINEERS DOES NOT OFFER ANY GUARANTEES THAT THE PERMIT WILL BE RE-ISSUED. OBTAINING REQUIREMENT MAY PREVENT COMPLIANCE AND CAUSE CERTAIN PROPERTIES TO BE UN-DEVELOPABLE.
- IF THE SYSTEM IS DESIGNED USING THE PERFORMANCE BASED DESIGN ACCORDING TO PREVIOUS STATE PERMITS THE SYSTEM SHALL BE INSPECTED EACH SPRING FOR THREE CONSECUTIVE YEARS BY A LICENSED ENGINEER TO DEMONSTRATE THAT THE SYSTEM IS WORKING AS DESIGNED.

1 MOUND DISPOSAL FIELD OPERATION AND MAINTENANCE

2010 TRUDELL CONSULTING ENGINEERS LAST REVISED 06/21/2010 SWR-0345

USE CLASS D (2500 PSI) CONCRETE FOR THRUST BLOCKS. PLACE 4 MIL. POLYETHYLENE BETWEEN FITTING AND THRUST BLOCK. PLACE THRUST BLOCK AGAINST UNDISTURBED TRENCH WALL - CONCRETE BEARING AREA ON FITTING TO BE A MINIMUM OF 1/2 SQUARE FOOT. THRUST BLOCKS BASED ON 50 PSI TEST PRESSURE. IF CHANGE IN ELEVATION BETWEEN ANY 2 POINTS IN THE LINE IS GREATER THAN 110" THRUST BLOCKS WILL HAVE TO BE ENLARGED.



MINIMUM BEARING AREA IN SQUARE FEET ON UNDISTURBED TRENCH WALL

SOIL TYPE	SAFE BEARING LOAD LBS./FT. ²	2"			2 1/2"			3"			4"			6"					
		TEE	90°	45°	22.5°	TEE	90°	45°	22.5°	TEE	90°	45°	22.5°	TEE	90°	45°	22.5°		
CLAY	1000	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.9	0.7	0.5	1.8	2.0	1.5	0.8
SAND	2000	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	1.0	0.8	0.5
GRAVEL	3000	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
TILL	4000	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
SHALE	10000	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

NOTE : ENGINEER TO OBSERVE ALL THRUST BLOCKS PRIOR TO BACKFILL.

2 FORCE MAIN THRUST BLOCK SPECIFICATIONS

2010 TRUDELL CONSULTING ENGINEERS LAST REVISED 01/06/10 SWR-052M

CONTRACTOR'S CERTIFICATION REQUIRED

PRIOR TO THE DESIGN ENGINEER CERTIFYING THAT THE INSTALLATION HAS BEEN INSTALLED IN ACCORDANCE WITH THE PERMITTED DESIGN, THE CONTRACTOR SHALL PROVIDE A CERTIFICATION THAT THE WASTEWATER SYSTEM WAS INSTALLED AND TESTED IN ACCORDANCE WITH THE APPROVED DESIGN PLANS. STATE PERMITS REQUIRE THERE SHALL BE NO DEVIATIONS FROM THE APPROVED PLANS WITHOUT PRIOR APPROVALS. THE DESIGN ENGINEER SHALL BE NOTIFIED AND ALLOWED TO OBSERVE THE CRITICAL PHASES OF CONSTRUCTION INCLUDING ANY REQUIRED TESTS. LIKEWISE, THE DESIGN ENGINEER SHALL BE NOTIFIED OF ANY DEVIATIONS FROM THE APPROVED PLANS. SINCE THE DESIGN ENGINEER DOES NOT CUSTOMARILY OBSERVE ALL PHASES OF THE WORK, OR ALL TESTING, HE MAY RELY ON THE CONTRACTOR'S CERTIFICATION AS THE BASIS FOR FINAL CERTIFICATION. THE CONTRACTOR SHALL THEREFORE SIGN AND RETURN A COPY OF THE FOLLOWING CERTIFICATION UPON COMPLETION OF THE WORK:

"I HEREBY CERTIFY THAT I HAVE INSTALLED, PROPERLY TESTED, AND SUCCESSFULLY PASSED THOSE TESTS, AND THE WASTEWATER DISPOSAL AND COLLECTION SYSTEM(S) ARE BUILT IN ACCORDANCE WITH THE APPROVED DESIGN PLANS AND APPLICABLE PERMIT CONDITIONS."

CONTRACTOR NAME _____

AUTHORIZED AGENTS NAME _____

SIGNATURE DATE _____

NOTE ANY DEVIATIONS FROM APPROVED PLANS HERE: _____

3 CONTRACTOR'S CERTIFICATION FOR WASTEWATER SYSTEM

TRUDELL CONSULTING ENGINEERS LAST REVISED 10/25/06 SWR-1965

CONSTRUCTION NOTES:

- CONTRACT DOCUMENTS: THESE PLANS WERE PREPARED BY TRUDELL CONSULTING ENGINEERS (TCE) AND ARE INTENDED TO BE USED IN CONJUNCTION WITH THE STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT, #C-700 PREPARED BY THE ENGINEERS JOINT CONTRACT DOCUMENTS COMMITTEE (EJCDC), LATEST EDITION. COPIES ARE AVAILABLE AT WWW.NSPE.ORG/EJCDC.
- UNDERGROUND IMPROVEMENTS: THE LOCATION OF EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS SHOWN ARE ASSUMED BASED ON RESEARCH, UTILITY PLANS PROVIDED BY OTHERS, AND/OR SURFACE EVIDENCE AVAILABLE AND WERE OBTAINED IN A MANNER CONSISTENT WITH THE ORDINARY STANDARD OF PROFESSIONAL CARE AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE DESIGN ENGINEER.
- DIFFERING SUBSURFACE OR PHYSICAL CONDITIONS: IF CONTRACTOR BELIEVES THAT ANY SUBSURFACE OR PHYSICAL CONDITION AT OR CONTIGUOUS TO THE SITE THAT IS UNCOVERED OR REVEALED EITHER: (1) IS OF SUCH A NATURE AS TO ESTABLISH THAT ANY "TECHNICAL DATA" ON WHICH CONTRACTOR RELIED IS MATERIALLY INACCURATE; OR (2) IS OF SUCH A NATURE AS TO REQUIRE A CHANGE IN THE PLANS/ CONTRACT DOCUMENTS; OR (3) DIFFERS MATERIALLY FROM THAT SHOWN OR INDICATED IN THE PLANS/CONTRACT DOCUMENTS; OR (4) IS OF AN UNUSUAL NATURE, AND DIFFERS MATERIALLY FROM CONDITIONS ORDINARILY ENCOUNTERED AND GENERALLY RECOGNIZED AS INHERENT IN WORK OF THE CHARACTER PROVIDED FOR IN THE PLANS/CONTRACT DOCUMENTS; THEN CONTRACTOR SHALL, PROMPTLY AFTER BECOMING AWARE THEREOF AND BEFORE FURTHER DISTURBING THE SUBSURFACE OR PHYSICAL CONDITIONS OR PERFORMING ANY WORK IN CONNECTION THEREWITH (EXCEPT IN AN EMERGENCY), NOTIFY OWNER AND ENGINEER ABOUT SUCH CONDITION. CONTRACTOR SHALL NOT FURTHER DISTURB SUCH CONDITION OR PERFORM ANY WORK IN CONNECTION THEREWITH (EXCEPT AS AFORESAID) UNTIL RECEIPT OF WRITTEN ORDER TO DO SO.
- UTILITIES: PRIVATE AND PUBLIC UTILITIES SUCH AS ELECTRIC, TELEPHONE, GAS, CABLE, FIBER OPTIC ETC. ARE THE RESPONSIBILITY OF THE RESPECTIVE UTILITY COMPANY. ANY INFORMATION SHOWN BY TCE SHOULD BE CONSIDERED PRELIMINARY (USUALLY TO ASSIST WITH PERMITTING). FINAL DESIGN, CONSTRUCTION AND MAINTENANCE ARE THE RESPONSIBILITY OF RESPECTIVE UTILITY COMPANIES. COMPLIANCE WITH EASEMENTS AND REGULATIONS (STATE AND LOCAL) ARE THE RESPONSIBILITY OF RESPECTIVE UTILITY COMPANY.
- DIGSAFE: IN ACCORDANCE WITH VERMONT STATE LAW (VSA TITLE 30 CHAPTER 86 AND PSB RULE 3.800) THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT DIGSAFE SYSTEMS, INC. "DIGSAFE" AT 1-888-344-7233 AT LEAST 48 HOURS, EXCLUDING SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS, BUT NOT MORE THAN 30 DAYS BEFORE COMMENCING EXCAVATION ACTIVITIES. EXCEPT IN AN EMERGENCY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRE-MARKING THE SITE AND MAINTAINING DESIGNATED MARKINGS. FOR MORE INFORMATION ON DIGSAFE REQUIREMENTS SEE WWW.DIGSAFE.COM.
- JOBSITE SAFETY: NEITHER THE PROFESSIONAL ACTIVITIES OF TRUDELL CONSULTING ENGINEERS (TCE), NOR THE PRESENCE OF TCE OR ITS EMPLOYEES AND SUB CONSULTANTS AT A CONSTRUCTION SITE, SHALL RELIEVE THE GENERAL CONTRACTOR AND ANY OTHER ENTITY OF THEIR OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING OR COORDINATING ALL PORTIONS OF THE WORK OF CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. TCE AND ITS PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR OTHER ENTITY OR THEIR EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PRECAUTIONS. THE CLIENT AGREES THAT THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR JOBSITE SAFETY, AND WARRANTIES THAT THIS INTENT SHALL BE MADE EVIDENT IN THE CLIENT'S AGREEMENT WITH THE GENERAL CONTRACTOR. THE CLIENT ALSO AGREES THAT THE CLIENT, TCE AND TCE'S CONSULTANTS SHALL BE INDEMNIFIED AND SHALL BE MADE ADDITIONAL INSURED UNDER THE GENERAL CONTRACTOR'S GENERAL LIABILITY INSURANCE POLICY.
- CODES AND STANDARDS COMPLIANCE: TCE SHALL EXERCISE USUAL AND CUSTOMARY PROFESSIONAL CARE IN ITS EFFORTS TO COMPLY WITH CODES, STANDARDS, REGULATIONS, AND ORDINANCES IN EFFECT. THE OWNER ACKNOWLEDGES THAT SUCH REQUIREMENTS MAY BE SUBJECT TO VARIOUS AND CONTRADICTORY INTERPRETATIONS. TCE, THEREFORE, WILL MAKE REASONABLE PROFESSIONAL EFFORTS AND JUDGMENT TO INTERPRET APPLICABLE REQUIREMENTS AS THEY APPLY TO THE PROJECT. TCE, HOWEVER, CANNOT AND DOES NOT WARRANT OR GUARANTEE THAT THE PROJECT WILL COMPLY WITH ALL INTERPRETATIONS OF SUCH REQUIREMENTS.
- CONSTRUCTION OBSERVATION: TCE MAY VISIT THE PROJECT AT APPROPRIATE INTERVALS DURING CONSTRUCTION TO BECOME GENERALLY FAMILIAR WITH THE PROGRESS AND QUALITY OF THE CONTRACTOR'S WORK AND TO DETERMINE IF THE WORK IS PRECEDING IN GENERAL ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE OWNER HAS NOT RETAINED TCE TO MAKE DETAILED INSPECTIONS OR TO PROVIDE EXHAUSTIVE OR CONTINUOUS PROJECT REVIEW AND OBSERVATION SERVICES. TCE DOES NOT GUARANTEE THE PERFORMANCE OF, AND SHALL NOT HAVE RESPONSIBILITY FOR, THE ACTS OR OMISSIONS OF ANY CONTRACTOR, SUB-CONTRACTOR, SUPPLIER OR ANY OTHER ENTITY FURNISHING MATERIALS OR PERFORMING ANY WORK ON THE PROJECT. TCE SHALL NOT SUPERVISE, DIRECT OR HAVE CONTROL OVER THE CONTRACTOR'S WORK NOR HAVE ANY RESPONSIBILITY FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF THE CONTRACTOR. IF THE OWNER DESIRES MORE EXTENSIVE PROJECT OBSERVATION OR FULL-TIME PROJECT REPRESENTATION, THE OWNER SHALL REQUEST SUCH SERVICES BE PROVIDED BY TCE AS ADDITIONAL SERVICES.

478 Blair Park Road
Box 308 Williston, Vermont 05495 (802) 879-6331

THESE PLANS ARE SUITABLE FOR THE PURPOSE OF:

- CONCEPTUAL APPROVAL SUBMISSION
- PRELIMINARY APPROVAL SUBMISSION
- ACT 250 SUBMISSION
- FINAL APPROVAL SUBMISSION
- CONSTRUCTION DRAWINGS

USE AND INTERPRETATION OF THE DRAWINGS

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No.	Description	Date	By
Revisions			



Project Title
Dean Leary & Donna Fraser-Leary
5103 Greenbush Road
Charlotte, VT

Sheet Title

Details

Drawing Number : 2011048-71 Extension : 00

Project manager : DPB Drawn : DPB

Date : 07/26/11 Scale : SHOWN

Approved _____

D2



**TRUDELL
CONSULTING
ENGINEERS (TCE)**

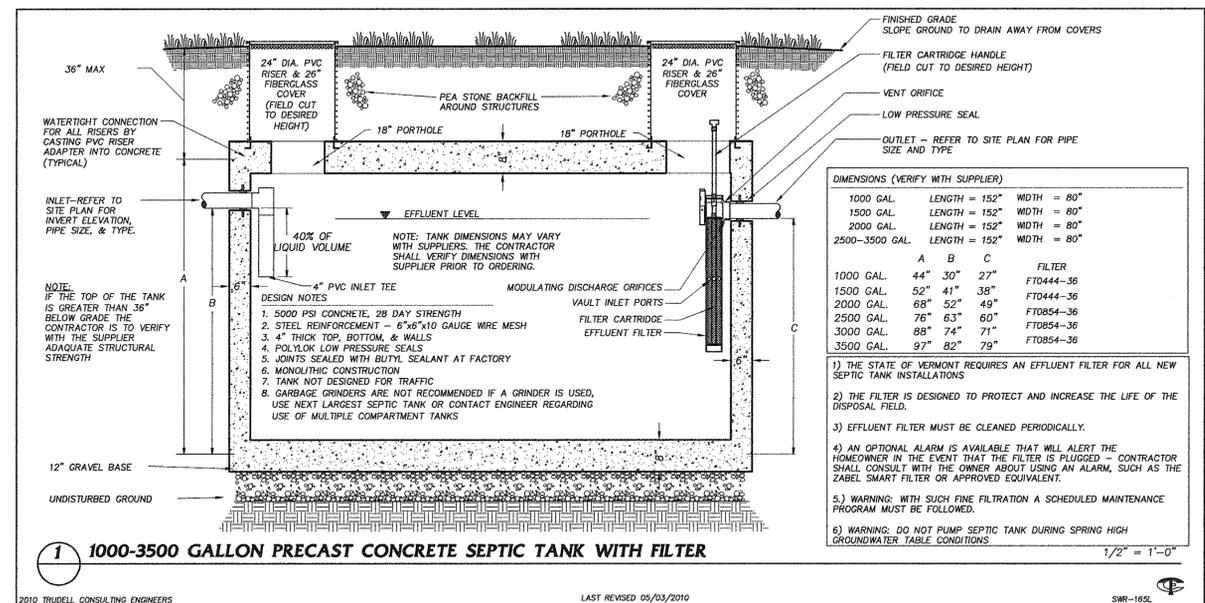
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Box 308 Williston, Vermont 05495 (802) 879-6331

THESE PLANS ARE SUITABLE FOR THE PURPOSE OR:

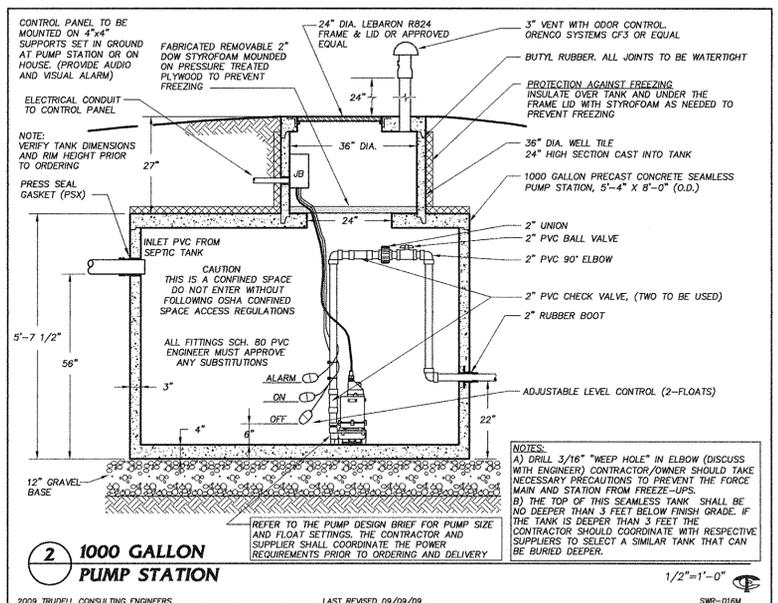
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- PRELIMINARY APPROVAL SUBMISSION
- ACT 250 SUBMISSION
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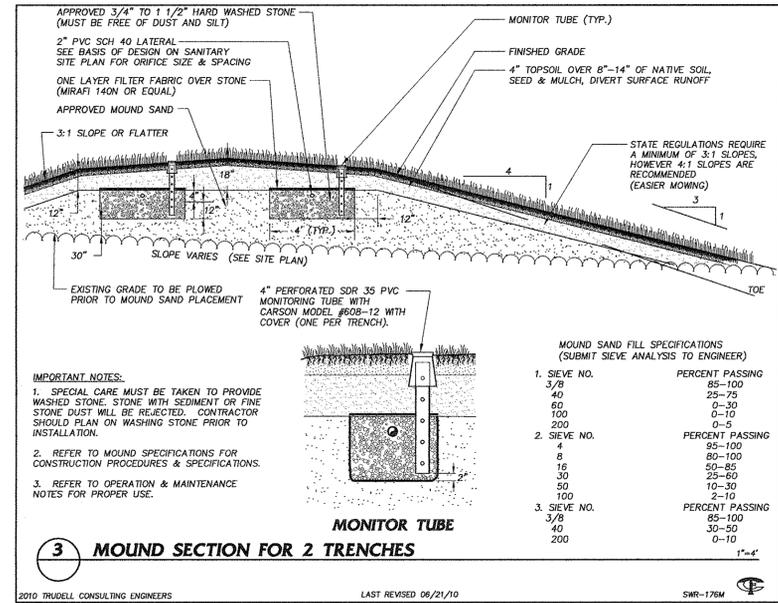
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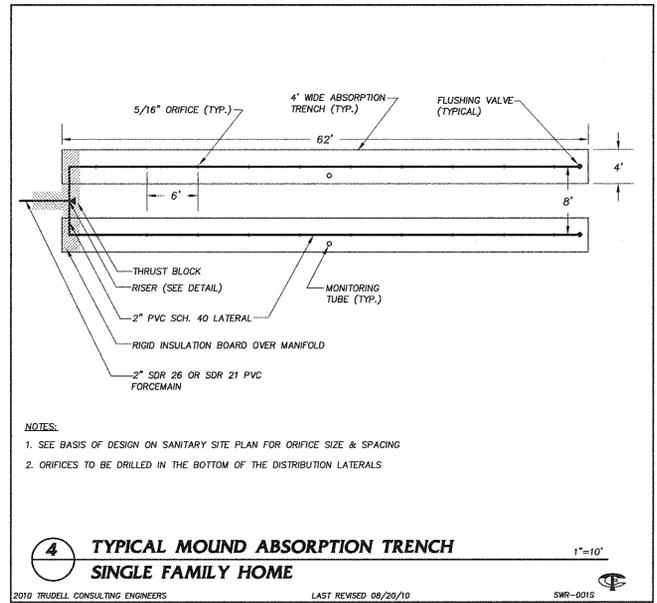
1 1000-3500 GALLON PRECAST CONCRETE SEPTIC TANK WITH FILTER
2010 TRUDELL CONSULTING ENGINEERS LAST REVISED 05/03/2010 SMR-165L



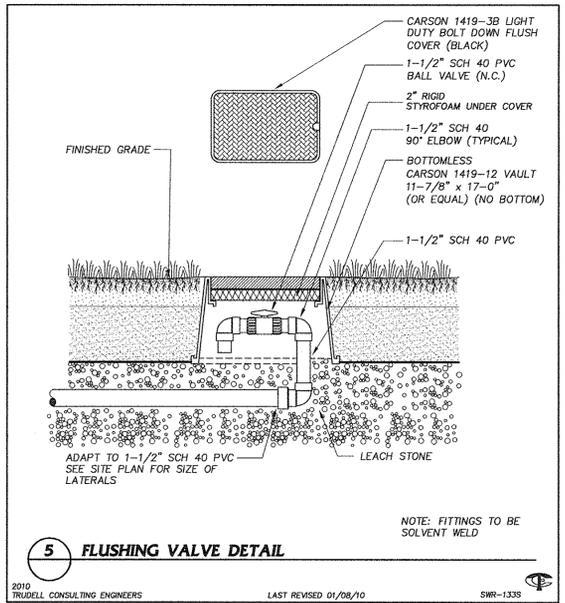
2 1000 GALLON PUMP STATION
2009 TRUDELL CONSULTING ENGINEERS LAST REVISED 09/09/09 SMR-016M



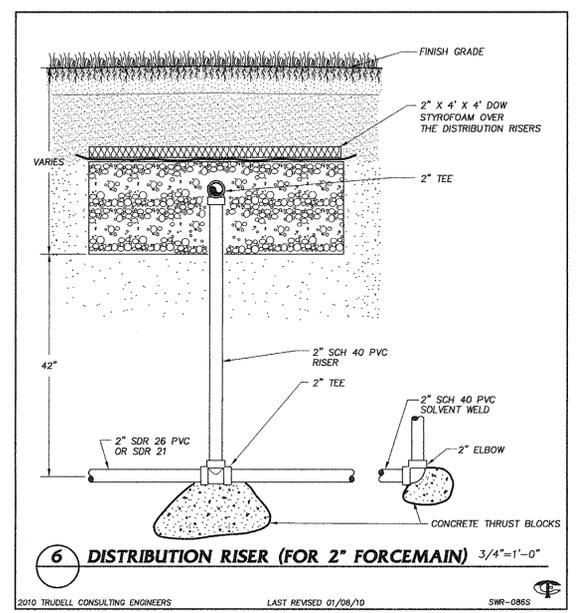
3 MOUND SECTION FOR 2 TRENCHES
2010 TRUDELL CONSULTING ENGINEERS LAST REVISED 06/21/10 SMR-179M



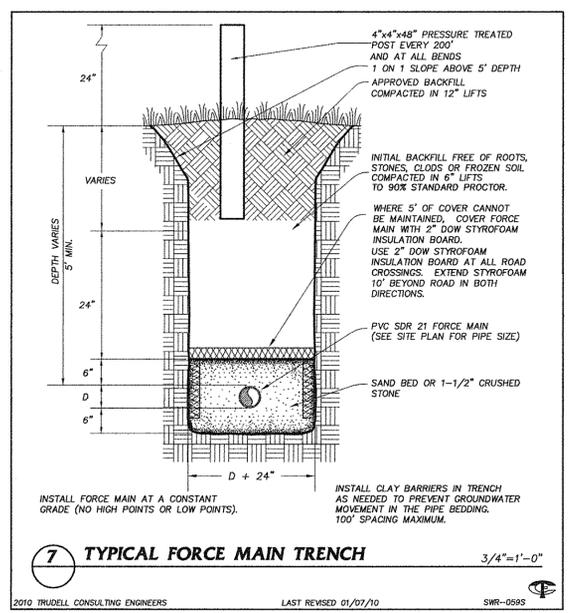
4 TYPICAL MOUND ABSORPTION TRENCH SINGLE FAMILY HOME
2010 TRUDELL CONSULTING ENGINEERS LAST REVISED 08/20/10 SMR-001S



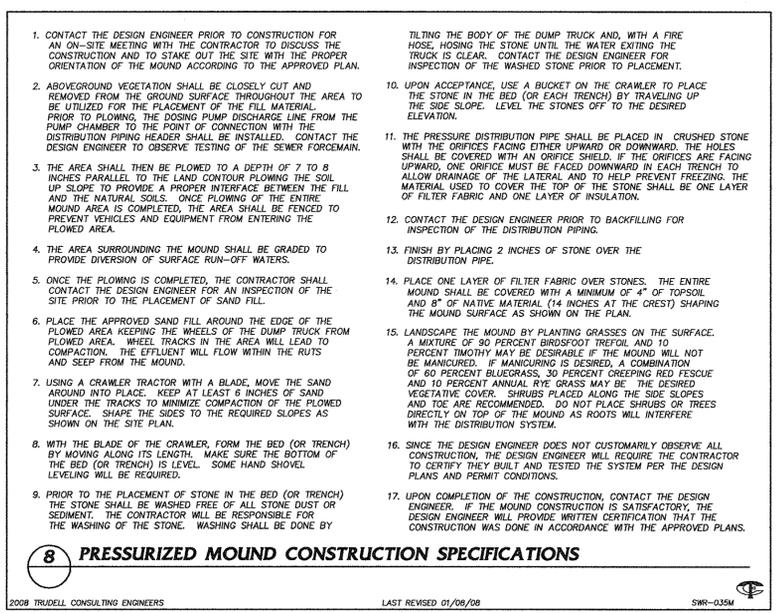
5 FLUSHING VALVE DETAIL
2010 TRUDELL CONSULTING ENGINEERS LAST REVISED 01/08/10 SMR-133S



6 DISTRIBUTION RISER (FOR 2" FORCE MAIN) 3/4"=1'-0"
2010 TRUDELL CONSULTING ENGINEERS LAST REVISED 01/08/10 SMR-088S

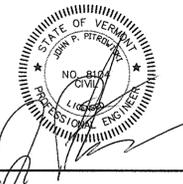


7 TYPICAL FORCE MAIN TRENCH 3/4"=1'-0"
2010 TRUDELL CONSULTING ENGINEERS LAST REVISED 01/07/10 SMR-059S



8 PRESSURIZED MOUND CONSTRUCTION SPECIFICATIONS
2008 TRUDELL CONSULTING ENGINEERS LAST REVISED 01/08/08 SMR-035M

No.	Description	Date	By
Revisions			



Project Title
**Dean Leary &
Donna Fraser-Leary**
5103 Greenbush Road
Charlotte, VT

Sheet Title
Details

Drawing Number : 2011048-70 Extension : 00
Project manager : DPB Drawn : DPB
Date : 07/26/11 Scale : SHOWN
Approved _____

D1