

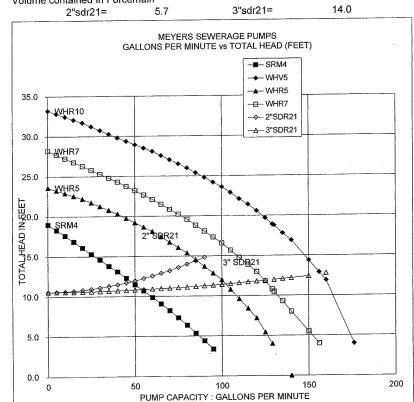
SUBSURFACE SEWAGE DISPOSAL SYSTEM PUMP SELECTION PROGRAM THIS PROGRAM USES MEYERS SEWERAGE PUMPS

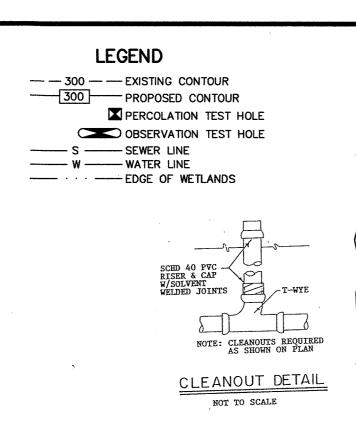
Job No:

PLEASE ENTER THE FOLLOWING DATA:

Distribution Box In Inv.= 101.10 PUMP OFF ELEV. = FORCEMAIN LENGTH: 38.00

Volume contained in Forcemain 2"sdr21=





RAISE AIL COVERS TO FE 24" C.I. MANHOLE FRAME & RAISEAI RAISE All COVERS TOFG. LOCKABLE COVER to Finish Grade. Manhole & Riser CONCRETE COVER CONCRETE COVER TOP P.C. = 97.0± \_24" C.I. MANHOLE FRAME & LOCKABLE COVER to Finish Grade. TOP S.T. = 97/Riser to within 6" Finish Grade (Typ.) with Gas Baffle & Effluent Filter Vent Ends Finish Grade 9"Min., 36"Max. of Finish Grade Finish Grade 9"Min., 36"Max. Above Top of Tank -To Control Panel Above Top of Tank INV. OUT S. INV. OUT P.C. TOP STONE INV. OUT 1=100.93 EXISTING LOW INV. -100.75 INV. AT BLDG. CABLES = 96.60 ZZO GAILONS Watertight Joint (See local plumbing code) STORAGE = 100.25 INV. IN S.T. for 6' Depth INV. IN Seal Joint Watertight Critical Dept = 101.10 3/4"-1 1/2" --Below Pipe PUMP-= 100.90 6"Min. 3/4"-1 1/2" Crushed Stone 6"Min. 3/4"-1 1/2" Crushed Stone 1500 GALLON TWO COMPARTMENT **FOUNDATION** 1000 GALLON PUMP CHAMBER LEACHING FIELD \_

Prior to construction, the Installer shall verify the location and elevation of the existing invert(s) at the foundation and report any discrepancies to the design Engineer.

The existing septic tank to be pumped out and backfilled with clean sand fill or removed. During construction if any part of the leach area is encountered, that area shall also be removed and replaced with clean fill.

Backwash of water purification or filtration devices must be discharged to a drywell and not the tank.

All wastewater, including washer machine water, to be tied into the outgoing sewer pipe to the septic tank. The property owner shall be responsible for having all wastewater flow connected to the septic tank.

Soil settlement may occur following the sewage disposal system installation. The contractor shall be aware of potential settlement and be responsible for additional fill and grading.

Prior to construction, layout of the leach area is recommended. Excavation inspection prior to placement of fill is required. Final inspection of completed sewage system installation prior to backfill is required by design engineer.

Top of concrete or stone foundation elevation if used by installer for construction shall be verified with benchmark nail shown on plan.

Depth (in.)	oli Horizon/S	Soil Matrix: Color- Moist (Munsell)	Redoximorphic Features		Soil Texture (USDA)	Coarse Fragments % by Volume Cobbles		Soil Structure	Soil Consistence (Moist)	Other	
	Layer		Depth	Color	Percent		Gravel	Stones	CHIMB		
0-9	<u>A</u>	104×3/2				FSL.			GRANITA	fumble	
9-20	Bw	104R 5/6				SAND					
20-120	C	2.576/4	72	7-5415/8	>5	STRATEHED GANNEUN SAMO	10	18	SINGLE	Loose	
N	nal Notes:	DOVND WA	HEN	L OBSE	WEI	2,			95.0		
C. On-S	ite Rev	riew (continu	-			,					
		view (continu	-	2 5	9/14/	20	gn	ovne	elev.	101.1	
	Observatio	•	R	edoximorphic Fea	itures	Soil Texture (USDA)	Coarse	Fragmen Volume Cobble	Soil Structure	Soil Consistence (Moist)	Oth
Deep (	Soil Horizo Layer	n Hole Number:  Noil Matrix: Color Moist (Munsell)	Re			Soil Texture (USDA)	Coarse %	Fragmen Volume	Soil Structure	Soil Consistence (Moist)	
Deep ( Depth (in.)	Soil Horizo Layer	n Hole Number:  No Soil Matrix: Color Moist (Munsell)	Re	edoximorphic Fea	itures	Soil Texture (USDA)	Coarse %	Fragmen Volume Cobble	Soil Structure	Soil Consistence (Moist)	
Deep (	Soil Horizon Layer  A B W	n Hole Number:  Noil Matrix: Color Moist (Munsell)	ReDepth	edoximorphic Fea	Percen	Soil Texture (USDA)  FSL LOTMY CAMP STRAPHAR GUTVELL	Coarse %	Fragmen Volume Cobble & Stone	Soil Structure	Soil Consistence (Moist)	
Deep ( Depth (in.)  0 -/2  /2 - 24	Soil Horizon Layer  A B W	n Hole Number:  Soil Matrix: Color Moist (Munsell)  1041. 272  1042. 5/6	ReDepth	edoximorphic Fea	Percen	Soil Texture (USDA)  FSL  Loriny Sonny	Coarse % by Gravel	Fragmen Volume Cobble & Stone	Soil Structure	Soil Consistence (Moist)  FRUBLE  FRUBLE	
Deep ( Depth (in.)  0 -/2  /2 - 24	Soil Horizon Layer  A B W	n Hole Number:  Soil Matrix: Color Moist (Munsell)  1041. 272  1042. 5/6	ReDepth	edoximorphic Fea	Percen	Soil Texture (USDA)  FSL LOTMY CAMP STRAPHAR GUTVELL	Coarse % by Gravel	Fragmen Volume Cobble & Stone	Soil Structure	Soil Consistence (Moist)  FRUBLE  FRUBLE	
Deep ( Depth (in.)  0 -/2  /2 - 24	Soil Horizon Layer  A B W	n Hole Number:  Soil Matrix: Color Moist (Munsell)  1041. 272  1042. 5/6	ReDepth	edoximorphic Fea	Percen	Soil Texture (USDA)  FSL LOTMY CAMP STRAPHAR GUTVELL	Coarse % by Gravel	Fragmen Volume Cobble & Stone	Soil Structure	Soil Consistence (Moist)  FRUBLE  FRUBLE	
Deep (Depth (in.)  0 -/2 /2 - 24 24 -/3	Soil Horizon Layer  A B W	n Hole Number:  nd Soil Matrix: Color Moist (Munsell)  1044 372  1048 5/2  2-54 6/4	ReDepth	edoximorphic Fea	Percen	Soil Texture (USDA)  FSL LOTMY CAMP STRAPHAR GUTVELL	Coarse % by Gravel	Fragmen Volume Cobble & Stone	Soil Structure	Soil Consistence (Moist)  FRUBLE  FRUBLE	
Deep ( Depth (in.)  0 -/2 /2 - 24 24 -/3  Additi	Soil Horizo Layer  A  B  B  Conal Notes	In Hole Number: In Soil Matrix: Color Moist (Numsell)  1044 3/2  1048 5/4  2-57 6/4	Repeth 74	color  7-SYt-5/0  0886 NV	Percen	Soil Texture (USDA)  FSL  Loring  String  String  String  String  String  String	Coarse % by Gravel	Fragmen Volume Cobble & Stone	Soil Structure Soil Structure Chimbe Chimbe Scholin	Soil Consistence (Moist)  FRUBLE  FRUBLE	
Deep ( Depth (in.)  0 -/2 /2 - 24 24 -/3  Additi	Soil Horizo Layer  A  B  B  Conal Notes	n Hole Number:  If Soil Matrix: Color Moist (Numsell)  IOYA 3/2  IOYA 5/4  2-576/4	Repeth 74	color  7-SYt-5/0  0886 NV	Percen	Soil Texture (USDA)  FSL  Loring  String  String  String  String  String  String	Coarse % by Gravel	Fragmen Volume Cobble & Stone	Soil Structure Soil Structure Chimbe Chimbe Scholin	Soil Consistence (Moist)  FRUBLE  FRUBLE	
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SEPTIC TANK SEPTIC TANK SHALL BE A PRECAST, REINFORCED CONCRETE TANK MADE WATERTIGHT. CONSTRUCTION MATERIALS AND DIMENSIONS SHALL CONFORM TO TITLE 5 AND AASHTO HS 10 REQUIREMENTS AND PLACED ON A STABLE MECHANICALLY COMPACTED LEVEL BASE.

TANK/ SYSTEM TO BE VENTED THROUGH THE BUILDING PLUMBING SYSTEM AS REQUIRED BY BUILDING CODE.

TANK SHOULD BE INSPECTED, MAINTAINED AND BE PUMPED OUT WHEN SLUDGE DEPTH IN THE BOTTOM EXCEEDS ONE FOURTH OF THE TOTAL

AT ATTHREE 20" MANHOLES SHALL BE PROVIDED. THE MANHOLE OVER THE OUTLET GAS BAFFLE AND EFFLUENT FILTER SHALL BE EQUIPPED WITH A 24" MANHOLE AND LOCKABLE COVER TO FINISH GRADE. ALL OTHERS SHALL BE EQUIPPED WITH RISERS TO WITHIN 6" OF FINISH GRADE.

## PUMP CHAMBER & NOTES

ALL WORKMANSHIP, MATERIALS AND CONSTRUCTION SHALL CONFORM TO FEDERAL, STATE AND LOCAL CODES, WHETHER SPECIFIED HEREIN OR NOT. ALL PIPING, CONTROLS AND PUMP ARE SUBJECT TO APPROVAL BY THE DESIGN ENGINEER.

THE CHAMBER SHALL BE A PRECAST, REINFORCED CONCRETE SEPTIC TANK MADE WATERTIGHT. ONE TANK MANHOLE SHALL EXTEND TO FINISHED GRADE AND BE WATERTIGHT. COVER TO BE METAL AND WEIGH 60 LB. (MINIMUM) AND HAVE AN INSIDE DIMENSION 1-1/2 TIMES MAXIMUM PUMP DIMENSION AND BE A 24" INSIDE DIAMETER MINIMUM. CHAMBER TO BE VENTED VIA BUILDING PLUMBING SYSTEM TO ROOF. I THE CHAMBER IS TO BE UNDER PAVED SURFACES OR SUBJECT TO VEHICULAR LOADING, THE CHAMBER, ALL MANHOLES AND EXTENSIONS SHALL BE RATED TO WITHSTAND AASHTO HS-20 DIRECT LOADING

PUMP SHALL BE A NON-CLOG SUBMERSIBLE SEWAGE PUMP CAPABLE OF PASSING A 1-1/4" DIAMETER SOLID AND STRINGY MATERIAL. PUMPS SHALL HAVE A 2.4 H.P. (MINIMUM) MOTOR AND BE CAPABLE OF PUMPING 50 GALLONS PER MINUTE (GPM) AGAINST A TOTAL DYNAMIC HEAD (TDH) OF 11.9 FEET

PUMP SIZE AND SPECIFICATIONS ARE BASED UPON THE PROPOSED PUMP CHAMBERS' ELEVATIONS AND LOCATION SHOWN HEREON. ANY ALTERATIONS SHALL BE APPROVED BY THE DESIGN ENGINEER.

(INCLUDING FORCE MAIN).

SEPTIC TANK

PUMP AND ALARM SHALL BE ACTIVATED BY MERCURY FLOAT SWITCHES AS SHOWN. FLOAT SWITCHES SHALL BE OF THE MERCURY TUBE TYPE SEALED IN POLYURETHANE. 3 FLOATS ARE REQUIRED. FLOATS AND PUMP POWER CABLES ARE TO BE SUSPENDED FROM AND TIED TO A 1/2" DIAMETER, STEEL REBAR WITH HOSE CLAMPS. THE REBAR SHALI BE SECURELY AND PERMANENTLY ANCHORED TO THE SIDES AND/OR WALL OF THE CHAMBER. THERE SHALL BE NO WIRE SPLICES WITHIN THE PUMP CHAMBER, UNLESS SEALED IN A WATER AND GAS-TIGHT (NEMA-4X) JUNCTION BOX.

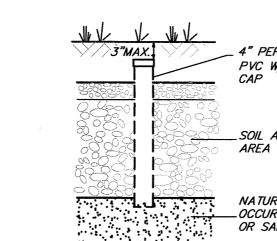
THE DIMENSIONAL SETTINGS OF THE FLOATS (SEE PUMP CHAMBER DETAIL ON THIS SHEET) ARE THE ELEVATIONS AT WHICH THE FLOATS ARE TO ACTIVATE/INACTIVATE THE PUMP AND/OR ALARM. THE FLOAT LEVEL CONTROLS SHALL BE SET TO OPERATE AT THE ELEVATIONS INDICATED, THESE ELEVATIONS SHALL BE ADJUSTED BY THE INSTALLER TO ENSURE FUNCTION ACCORDING TO THESE SPECIFIC ELEVATIONS.

THE CONTROL PANEL SHALL BE HOUSED IN A NEMA-1 CONTROL BOX SUITABLE FOR USE WITH ALL OF THE COMPONENTS MANUFACTURER'S STANDARDS FOR THE EQUIPMENT USED AND SHALL HAVE AN AUDIO AND VISUAL ALARM WITH MANUAL SILENCER. THE CONTROL PANEL SHALL BE INSTALLED IN A SUITABLE LOCATION INSIDE OF THE BUILDING ALARM TO BE ON A SEPARATE CIRCUIT FROM THE PUMP. ALL ELECTRICAL WORK SHALL CONFORM TO ALL FEDERAL, STATE AND LOCAL

#### PIPING FROM PUMPS TO 3' OUTSIDE TANK SHALL BE 2" SCHEDULE 40 (SDR-21) SOLVENT WELDED PVC OR ABS. CHECK VALVE SHALL BE 2\* BALL-TYPE WITH 2 HOSE CLAMP CONNECTIONS AT EACH SIDE OF THE JOINT. RISER CLAMPS WITH PVC INSERTS ARE REQUIRED AT PUMP CHAMBER. ALL PIPING SHALL BE SHIELDED FROM ANY ABRASION

FORCE MAIN SHALL HAVE 4' MINIMUM COVER EXCEPT WITHIN 5' OF THE CHAMBER AND MANIFOLD WHICH SHALL BE INSULATED WITH 2" RIGID PRE-MOLDED POLYSTYRENE INSULATION. FORCE MAIN SHALL BE 2" SDR-21 PVC TIGHT JOINT PIPE. JOINTS SHALL BE SOLVENT-WELDED TRANSITION BETWEEN DOSING CHAMBER PIPING AND FORCE MAIN SHALL BE WITH A 2" PVC UNION SOCKET. ALL PIPES SHALL BE SET IN 6" OF SAND AND BE SNAKED TO ALLOW FOR CONTRACTION AND BE LAID TO PROVIDE A DOWNWARD GRADIENT FROM THE MANIFOLD TO THE CHAMBER. FORCE MAIN AND ALL JUNCTIONS SHALL BE WATER AND PRESSURE TIGHT WITH NO LEAKAGE ALLOWED.

A PORTION OR ALL OF THE FORCE MAIN MAY BE PROPOSED TO BE INSTALLED ABOVE THE FROST LINE. IN ACCORDANCE WITH 310 CMR 15.221(6)-TITLE 5, IT SHALL BE INSULATED ADEQUATELY OR BE MADE



"D" BOX "D" BOX TO BE MADE WATERTIGHT. CONSTRUCTION MATERIALS AND DIMENSIONS SHALL CONFORM TO TITLE 5 AND AASHTO HS 10 REQUIREMENTS AND PLACED ON A STABLE MECHANICALLY COMPACTED LEVEL BASE.

"D" BOX OUTLETS SHALL BE INSTALLED LEVEL ("BUILT UP" INVERTS,

FIRST 2' (MIN.) OF OUTLETS SHALL BE INSTALLED LEVEL TO

THE MINIMUM WALL THICKNESS TO BE 2". WHEN INLET PIPE SLOPE EXCEEDS 8%-PVC INLET TEE REQUIRED. CUT LOW END 1" ABOVE OUTLET INVERT.

THE MINIMUM INSIDE DIMENSIONS OF THE "D" BOX TO BE 12" AND

"D" BOX COVER TO BE SEALED WITH BITUMEN. "D" BOXES BURIED GREATER THAN 9" BELOW GRADE SHALL BE EQUIPPED WITH A RISER TO WITHIN 6" OF FINISH GRADE.

### LEACH AREA

ALL LOAM, LARGE BOULDERS OR FOREIGN MATERIAL ENCOUNTERED DURING EXCAVATION ARE TO BE REMOVED FROM THE LEACHING AREA. ALL SOIL INTERFACES SHALL BE SCARIFIED PRIOR TO THE PLACEMENT

ALL STONE IN PLACE SHALL BE DURABLE, FREE FROM IRON, FINES AND DUST AND DOUBLE WASHED.

WHEN GRAVEL FILL IS REQUIRED, ALL LOAM AND ORGANIC MATERIAL SHALL BE REMOVED FROM AREA TO BE FILLED. FILL SHALL BE COMPACTED TO MINIMIZE SETTLEMENT AND SHALL BE CLEAN GRANULAR MATERIAL. FREE FROM FINES AND ORGANIC MATERIALS, AND SHALL BE IN ACCORDANCE WITH 310 CMR 15.255(3).

TO PREVENT EROSION. AREAS ABOVE THE SOIL ABSORPTION SYSTEM SHALL REMAIN PERVIOUS

ALL DISTURBED AREAS ARE TO BE LOAMED, SEEDED AND MAINTAINED

UNLESS UNAVOIDABLE. IN SUCH CASES THE SYSTEM SHALL BE VENTED. GENERAL NOTES

SYSTEM IS DESIGNED TO ACCOMMODATE SANITARY SEWAGE ASSOCIATED WITH NORMAL DOMESTIC USE AND CONSISTING OF WATER CARRIED PUTRESIBLE WASTE ONLY.

ALL COMPONENTS OF THE SEWAGE DISPOSAL SYSTEM SHALL BE COVERED BY A MAXIMUM OF 36" OF CLEAN BACKFILL MATERIAL, FREE OF STONES AND BOULDERS GREATER THAN 6" IN SIZE.

ALL COMPONENTS SHALL BE MARKED WITH MAGNETIC MARKING TAPE OR A COMPARABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED. OWNER SHALL VERIFY EFFECTIVE ZONING REGULATIONS PRIOR TO

PLAN SHOWS ONLY THOSE FEATURES THAT WERE VISUALLY APPARENT ON DATE OF TOPOGRAPHY, AND THE ABSENCE OF SUBSURFACE STRUCTURES, UTILITIES, ETC. IS NOT INTENDED OR IMPLIED.

ALL PIPING SHALL BE LAID TRUE TO LINE, GRADE AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. THERE ARE NO EXISTING WELLS WITHIN 100 OF THE PROPOSED SEWAGE DISPOSAL SYSTEM. (\_50' OF THE SEPTIC TANK.)
THERE ARE NO EXISTING SEWAGE DISPOSAL SYSTEMS WITHIN \_N/A OF

THE PROPOSED WELL (PREVIOUSLY EXISTING). ALL KNOWN WELLS WITHIN 200' OF THE PROPOSED PRIMARY AND EXPANSION LEACH AREAS ARE SHOWN.

THE DESIGN ENGINEER SHALL BE NOTIFIED PROMPTLY OF ANY PLAN DEFICIENCIES FOUND DUE TO UNFORESEEN SUBSURFACE CONDITIONS OR OTHER REASONS THAT MIGHT AFFECT THE FUNCTION OF THIS DESIGNED

DEVIATIONS IN DESIGN OR CONSTRUCTION FROM THIS PLAN OR ANY OF THE CONDITIONS RELATING TO THE USE OR MAINTENANCE OF THE PROPOSED SYSTEM SHALL BE DEEMED TO VOID ANY CERTIFICATION OR REPRESENTATION MADE RELATIVE TO THIS SUBSURFACE SEWAGE DISPOSAL SYSTEM.

CONTRACTOR SHALL NOTIFY "DIG SAFE" PRIOR TO ANY EXCAVATION. 1-888-DIG-SAFE (344-7233) PRIOR TO ANY CONSTRUCTION A BENCHMARK SHALL BE SET WITHIN

WETLAND PROTECTION ACT (C131 S40)

50-75' OF THE PROPOSED SEWAGE DISPOSAL SYSTEM.

PRIOR TO INITIATING ANY ALTERATIONS (REMOVAL OF VEGETATION, EXCAVATIONS, GRADING, ETC.) WITHIN 100' OF WETLANDS (PONDS, BROOKS, SWAMPS, ETC.) OR WITHIN 200' OF AN AREA SUBJECT TO THE RIVER'S ACT (PERENNIALLY FLOWING RIVER, BROOK OR STREAM), A REQUEST FOR DETERMINATION OF APPLICABILITY OR A NOTICE OF INTENT UNDER THE WETLANDS PROTECTION ACT (310 CMR 10.00) SHOULD BE FILED WITH THE TOWN'S CONSERVATION COMMISSION. LOCAL BYLAWS MAY ALSO APPLY.

PROPOSED	AS-BUILT
100,4±	
96.60	
96,00	,
95.80	
97.1±	
95.70	
95.90	
97.05	
101.10	
100.93	
101.40	
100.90	
. 51	
5'	
	100.4± 96.60 96.00 95.80 97.1± 95.70 95.90 97.0± 101.10 100.93 101.40 100.90 100.75

DESIGN CRITERIA CLASS I GARBAGE GRINDERS - NOT PERMITTED

PERC. TESTS: PERFORMED BY STEPHEN SEARS

		BY RICK	METCAL	F, KS.
PERC. #	RATE (M/I)	ELEVATION	DEPTH	DATE
A	2m/N	101.2	45"	9.14.20

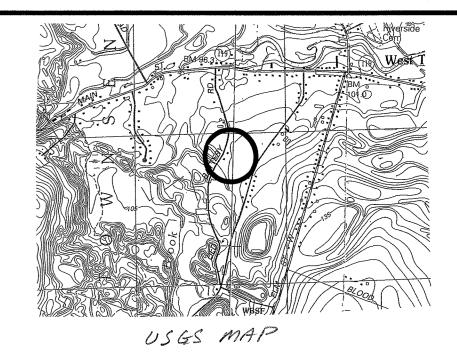
FLOWS: \_\_ BEDROOMS AT 110 GPD = \_\_ ZZO \_\_ GPD SEPTIC TANK REQUIRED: (\_\_/500\_ GAL. MIN.)

# 220 GPD X 2.0 = 440 GAL. TANK LEACHING AREA PROVIDED:

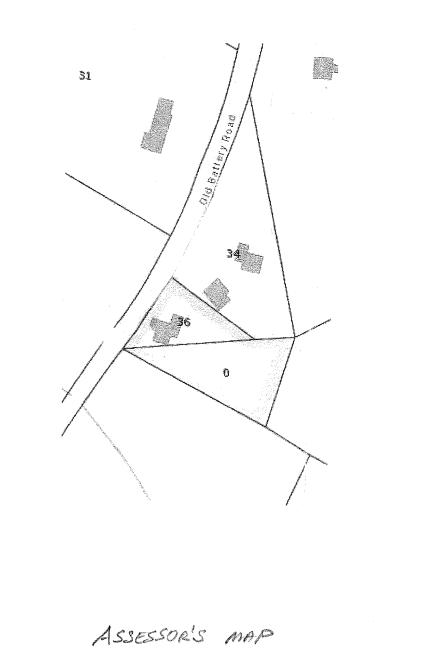
- A. BASIS \_\_\_\_\_ MIN./IN. PERCOLATION RATE B. APPLICATION RATE ALLOWED \_\_\_\_\_\_ S.F. C. BOTTOM AREA PROVIDED \_\_\_\_\_\_ S.F.
- D. TOTAL G.P.D. PROVIDED 266

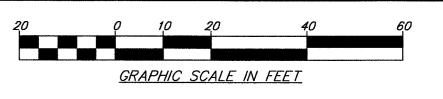
SYSTEM IN FILL REQUIRED NOT REQUIRED IF ANY PORTION OF THE PROPOSED LEACHING AREA IS LOCATED ABOVE EXISTING GRADE OR WITHIN TOPSOIL, PEAT OR OTHER UNSUITABLE OR IMPERVIOUS SOIL LAYER, THEN THE PLACEMENT OF FILL IS REQUIRED. PRIOR TO THE PLACEMENT OF FILL, ALL UNSUITABLE OR IMPERMEABLE SOILS SHALL BE EXCAVATED TO A MINIMUM OF FIVE FEET LATERALLY ALL DIRECTIONS BEYOND THE OUTER PERIMETER OF THE SOIL ABSORPTION SYSTEM TO THE DEPTH OF NATURALLY OCCURRING PERVIOUS MATERIAL. FILL MATERIAL SHALL BE SELECT, ON-SITE OR IMPORTED SOIL, CONSISTING OF CLEAN GRANULAR SAND, FREE FROM ORGANIC MATTER AND OTHER DELETERIOUS SUBSTANCES. MIXTURES AND LAYERS OF DIFFERENT SOIL CLASSES SHALL NOT BE USED. THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN 2 INCHES. A SIEVE ANALYSIS USING A #4 SIEVE, SHALL BE PERFORMED ON A REPRESENTATIVE SAMPLE OF THE FILL. UP TO 45% BY WEIGHT OF THE FILL SAMPLE MAY BE RETAINED IN THE #4 SIEVE. SIEVE ANALYSES SHALL ALSO BE PERFORMED ON THE FRACTION OF FILL SAMPLE PASSING THE #4 SIEVE. SUCH ANALYSES MUST DEMONSTRATE THAT THE MATERIAL MEETS EACH OF THE FOLLOWING SPECIFICATIONS:

FEFTONIE DADTIOLE CITE	% THAT MUST
EFFECTIVE PARTICLE SIZE	PASS SIEVE
4.75 MM	100%
0.30 MM	10%-100%
0.15 MM	0%-20%
0.075 MM	0 <b>%</b> -5%
	0.30 MM 0.15 MM



LOCUS MAP NOT TO SCALE





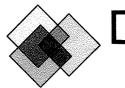
SURV.:	CALC.:	DRAFT:
SJS	SJS	SJS
NB: 808R-54	DEED: 31878-188	

REVISIONS DANIEL B. WOLFE CIVIL No. 36523

SEWAGE DISPOSAL SYSTEM

ERIKA W. DELLOVO

OLD BATTERY ROAD WEST TOWNSEND, MA.



# DAVID E. ROSS **ASSOCIATES, INC.**

**CIVIL ENGINEERS - LAND SURVEYORS ENVIRONMENTAL CONSULTANTS** 

6 Lancaster County Road P.O. Box 795 Harvard, MA 01451

FAX 978-772-6258 www.davideross.com

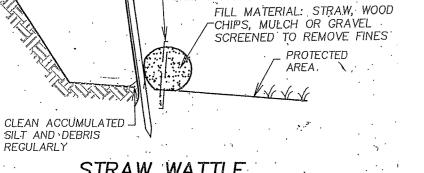
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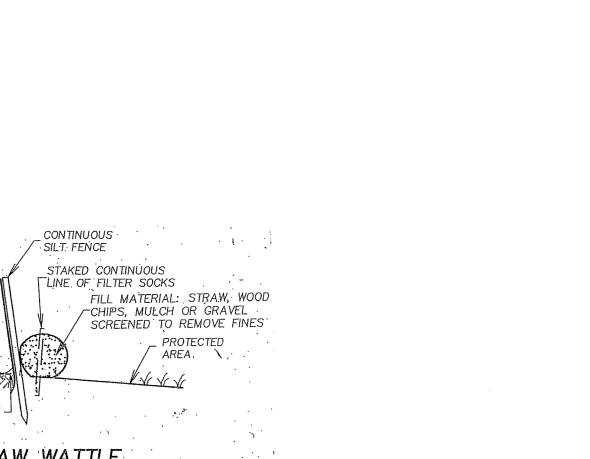
10-28-2020

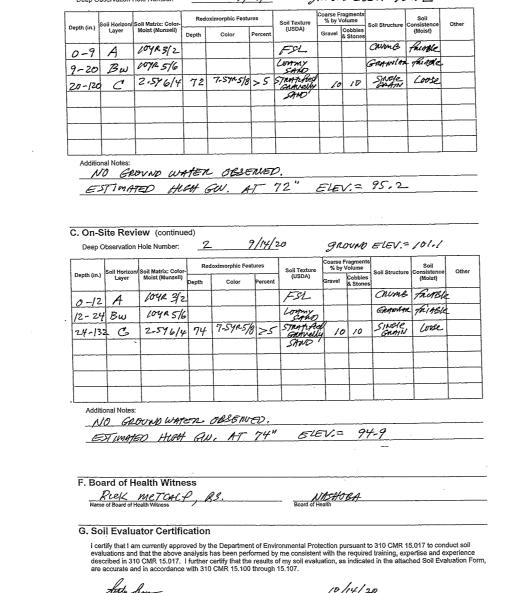
SEE SHEET OCT. 2020 PL. NO. 744 OF 198 L-14134 SHEET NO .: 1 of 2

STRAW WATTLE

SURFACE

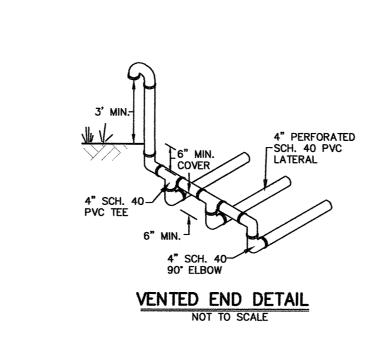


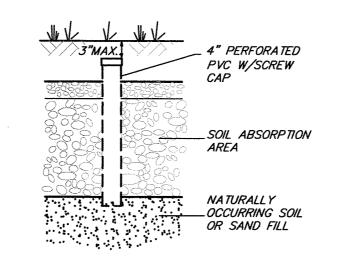




Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

ity/Town of 70WNSENC





INSPECTION PORT

