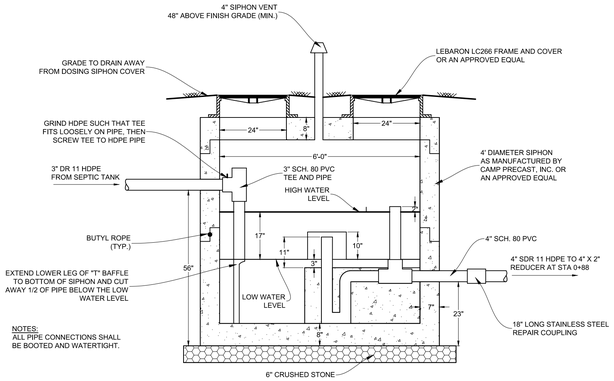
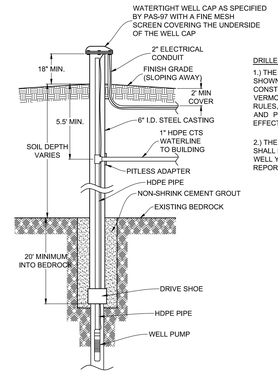


TYPICAL DOSING SIPHON DETAIL
NTS

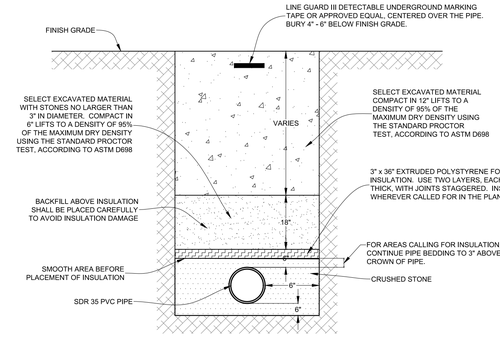


DRILLED WELL NOTES

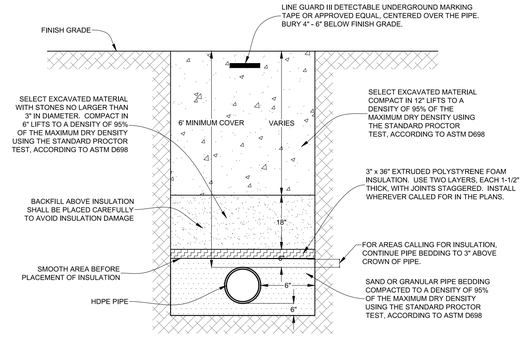
1.) THE DRILLED WELLS SHALL BE LOCATED AS SHOWN ON THE SITE PLAN AND BE CONSTRUCTED IN ACCORDANCE STATE OF VERMONT ENVIRONMENTAL PROTECTION RULES, CHAPTER 1, WASTEWATER SYSTEM AND POTABLE WATER SUPPLY RULES, EFFECTIVE APRIL. 12th, 2019.

2.) THE WATER SUPPLY LINE AND WELL PUMP SHALL BE SIZED IN ACCORDANCE WITH THE WELL YIELD DATA AND WELL DRILLERS REPORT.

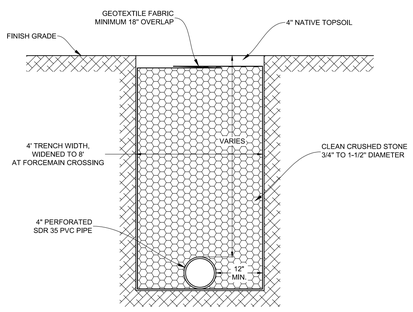
DRILLED BEDROCK WELL DETAIL
NTS



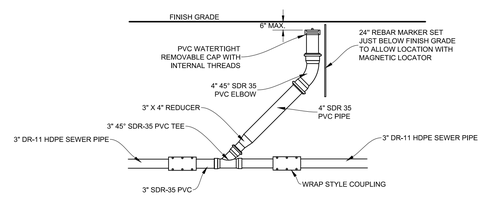
TYPICAL TRENCH DETAIL,
SDR 35 PVC SANITARY SEWER
NTS



TYPICAL TRENCH DETAIL, HDPE FORCEMAIN
NTS



TYPICAL CURTAIN DRAIN DETAIL
NTS



TYPICAL CLEAN OUT DETAIL
NTS

LOT 5B WASTEWATER DISPOSAL DESIGN

DESIGN FLOW
TWO BEDROOM DWELLING = (70 GPD X 2 PEOPLE PER BEDROOM X 2 BEDROOMS) = 280 GPD

LEACHFIELD SIZING
TRENCHES ARE TO BE USED, THEREFORE THE BOTTOM AREA OF THE TRENCHES WERE CALCULATED USING SS 1-917(a):
MINIMUM REQUIRED SQUARE FOOTAGE:

DF ÷ AR = TA
DF = DESIGN FLOW IN GPD
AR = APPLICATION RATE IN GPD PER S.F. IDENTIFIED IN SS 1-911
TA = MINIMUM REQUIRED BOTTOM TRENCH AREA IN S.F.

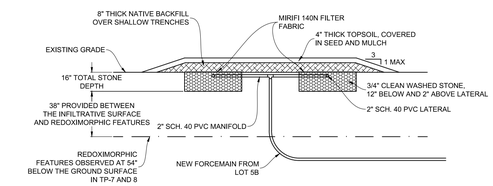
DF = 280 GPD
AR = USING TABLE 9-3, FINE SAND WITH GRANULAR STRUCTURE FOR IN-GROUND TRENCH = 1.00 GPD PER S.F.
TA = 280 GPD ÷ 1.00 GPD PER S.F. = 280 S.F.

REPLACEMENT AREA
FOLLOWING SS 1-902(b)(1), BY INCREASING THE LEACHFIELD SIZE BY 150% AND UTILIZING PRESSURE DISTRIBUTION, NO RESERVE AREA IS REQUIRED.

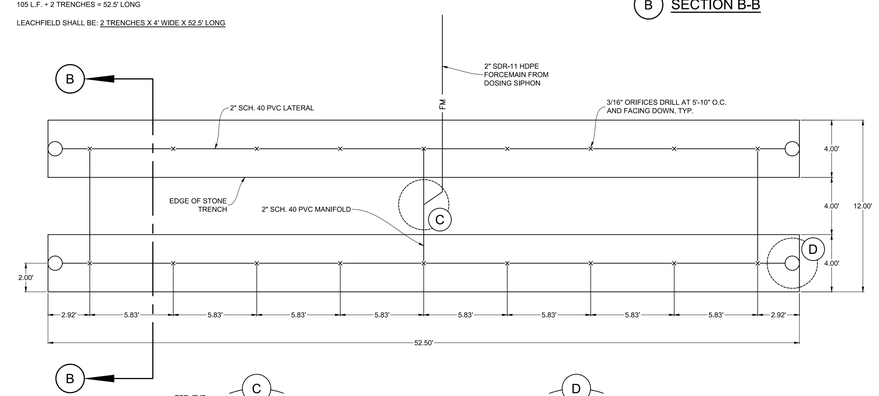
THEREFORE, SYSTEM INCREASED BY 150% = 280 S.F. X 150% = 420 S.F. REQUIRED

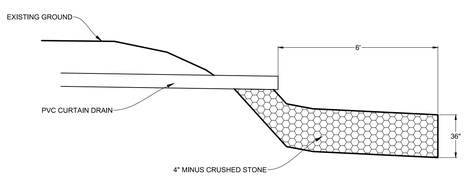
LEACHFIELD DIMENSIONS
420 S.F. ÷ 4' WIDE TRENCHES = 105 L.F. OF 4' WIDE TRENCH
105 L.F. ÷ 2 TRENCHES = 52.5' LONG

LEACHFIELD SHALL BE: 2 TRENCHES X 4' WIDE X 52.5' LONG

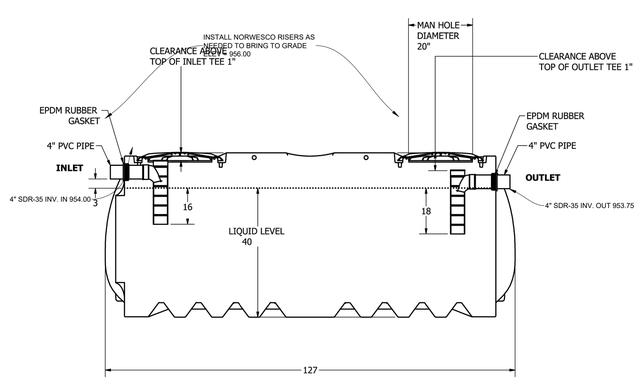


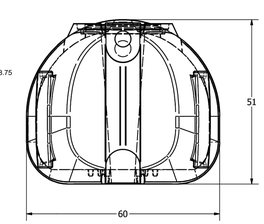
B SECTION B-B



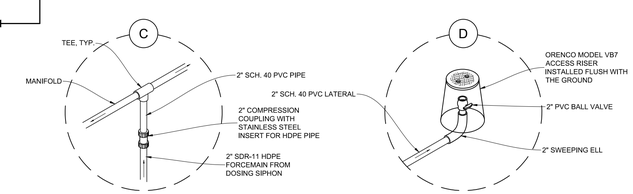


TYPICAL DRAIN OUTFALL DETAIL
NTS





NORWESCO 1,000 GALLON POLYETHYLENE SEPTIC TANK
NTS



LOT 5B WASTEWATER DISPOSAL FIELD DETAIL
NTS

STATE OF VERMONT
RICHARD F. HAMLIN
No. 5260
REGISTERED
PROFESSIONAL ENGINEER

DATE	REVISION	BY

CLIENT
MARTY BASLOW
65 COLONEL PAGE ROAD
ESSEX JUNCTION, VT 05452

PROJECT TITLE
BASLOW SUBDIVISION
FOR PARCEL WC037

DRAWING TITLE
LOT 5B WATER AND WASTEWATER DETAILS

Survey	BFD / RAW	Donald L. Hamlin Consulting Engineers, Inc.	Scale NTS
Design	MLD		Job 19-245
Drawn	MLD		File
Checked	RFH		Drawing D-2
Date	06/25/2020	136 Pearl Street, Essex Junction, Vermont	