NOTES

1. APPLICANT:

FRED ZIEGLER
828 RIDGEFIELD ROAD
SHELBURNE, VT 05482

2. THIS SITE PLAN IS BASED ON A SURVEY PERFORMED BY GROVER ENGINEERING PC ON MAY 28, 2013 USING A LEICA TPS1200+ ROBOTIC TOTAL STATION. SITE PLAN WAS GEOREFERENCED USING A LEICA GS12 GPS UNIT AND POST PROCESSING WITH NGS OPUS.

3. LOCATIONS OF UTILITIES ARE INFERRED FROM SURFACE FEATURES AND SHOULD BE CONSIDERED APPROXIMATE. NOT ALL UTILITIES ARE SHOWN. CONTRACTOR IS RESPONSIBLE FOR OBTAINING DIGSAFE CLEARANCE OF SITE BEFORE COMMENCING EXCAVATION.

4. PROPERTY BOUNDARIES SHOWN ARE BASED ON PARCEL DATA OBTAINED FROM VCGI, AND WERE REFERENCED TO TWO PINS FOUND ON THE PROPERTY. THE PROPERTY BOUNDARIES SHOWN SHOULD BE CONSIDERED APPROXIMATE. THIS IS NOT A LEGAL SURVEY.

5. ELEVATIONS GIVEN ARE NGVD88 FEET MSL.

6. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH DESIGNER FOR INSPECTIONS. INSPECTION SHALL BE REQUIRED OF, AT MINIMIM, THE PREPARED MOUND BASAL AREA, MOUND FILL & CRUSHED STONE W/ ASSEMBLED DISTRIBUTION PIPING AND COMPLETED MOUND SYSTEM AFTER FINAL GRADING, SEEDING & MULCHING.

TEST PIT LOGS

THE FOLLOWING TEST PITS WERE LOGGED BY MIKE MAINER ON MAY 24, 2013 AT 477 THOMPSONS POINT ROAD IN CHARLOTTE, VT. TEST PITS WERE EXCAVATED AND BACKFILLED BY TREVOR DENTON.

TP-1
0-6" CLAY LOAM, FRIABLE, GRANULAR, ROOTS, 10YR3/2, NO REDOX
6-40" SILTY CLAY LOAM, FIRM, GRANULAR, 10YR4/2, LARGE FAINT GRAY & ORANGE MOTTLES @ 22"
40-50" SILTY CLAY, FIRM, BLOCKY, 10YR5/2, NO REDOX
SEEP @ 38"
NO BEDROCK TO DEPTH

TP-2
0-6" CLAY LOAM, FRIABLE, GRANULAR, ROOTS, 10YR3/2, NO REDOX
6-15" SILTY CLAY LOAM, FRIABLE, GRANULAR, 10YR4/2, NO REDOX
15-36" SILTY CLAY LOAM, FIRM, BLOCKY, 10YR6/1, LARGE FAINT GRAY & ORANGE MOTTLES @ 23"
36-56" SILTY CLAY, FIRM, BLOCKY OR PLATEY, 10YR5/2, NO REDOX
SEEP @ 30"
NO BEDROCK TO DEPTH

TP-3
0-6" CLAY LOAM, FRIABLE, GRANULAR, ROOTS, 10YR3/2, NO REDOX
6-15" SILTY CLAY LOAM, FIRM, BLOCKY, 10YR4/2, LARGE FAINT ORANGE & BROWN MOTTLES @ 23"
38-60" SILTY CLAY LOAM, FIRM, BLOCKY, 10YR5/2, NO REDOX
WATER @ 55"
NO BEDROCK TO DEPTH

TP-4
0-6" CLAY LOAM, FRIABLE, GRANULAR, ROOTS, 10YR3/2, NO REDOX
8-36" SILTY CLAY, FIRM, GRANULAR, 10YR3/2, GRAY & ORANGE MOTTLES @ 23"
36-55" SILTY CLAY, FIRM, BLOCKY, NO REDOX, 10YR4/3
WATER @ 50"
NO BEDROCK TO DEPTH

TP-5
0-10" CLAY LOAM, FRIABLE, GRANULAR, ROOTS, 10YR4/2, NO REDOX
10-36" SILTY CLAY, FIRM, GRANULAR, 10YR4/2, GRAY & ORANGE MOTTLES @ 22"
36-54" SILTY CLAY, FIRM, PLATEY, NO REDOX, 10YR5/2
WATER @ 50"
NO BEDROCK TO DEPTH

TP-6
0-8" CLAY LOAM, FRIABLE, GRANULAR, ROOTS, 10YR3/2, NO REDOX
8-34" SILTY CLAY, FIRM, GRANULAR, 10YR3/2, FAINT ORANGE MOTTLES @ 25"
34-45" CLAY, FIRM, PLATEY, NO REDOX, 10YR5/2
NO WATER TO DEPTH
NO BEDROCK TO DEPTH

BASIS OF DESIGN

EXISTING USE:

SINGLE-FAMILY RESIDENCE WITH FOUR BEDROOMS; SERVED BY A DRILLED BEDROCK WELL AND AN IN-GROUND SOIL-BASED DISPOSAL SYSTEM, ALL ON THE SAME LOT.

PROPOSED USE:

SAME AS ABOVE, EXCEPT THE RESIDENCE WILL BE CONNECTED TO A NEW MOUND WASTEWATER DISPOSAL SYSTEM ON THE SAME LOT, REPLACING THE AGING AND NEARLY FAILED IN-GROUND DISPOSAL SYSTEM.

EXISTING WASTEWATER DESIGN FLOWS:

(3 BEDROOMS x 2 PERSONS/BEDROOM + 1 BEDROOM x 1 PERSON/BEDROOM) x 70 GALLONS/DAY/PERSON = 490 GALLONS/DAY

PROPOSED WASTEWATER DESIGN FLOWS:

NO CHANGE TO DESIGN FLOWS.

DISPOSAL SYSTEM SIZING:

BASED ON A PERCOLATION RATE OF 29 MIN/INCH, AND AN 8-FOOT WIDE DISPOSAL BED WITHIN THE MOUND.

LOADING RATE = 0.8 x 3 / SQRT(29 MIN/IN) = 0.45 GALLONS/DAY/SF

SYSTEM LENGTH = 490 GALLONS/DAY / (0.45 GALLONS/DAY/SF x 8 FT) = 135 FT

BASED ON A MOUND WITH 14" OF SAND FILL BELOW THE DISPOSAL BED, AN EFFECTIVE BASAL AREA OF 135 FEET x 23 FEET IS AVAILABLE

490 GPD / (135 FT x 23 FT) = 0.16 GPD/SF << 0.75 GPD/SF

PUMP STATION SIZING:

BASED ON A DISTRIBUTION PIPING VOLUME OF 15 GALLONS

15 GALLONS x 5 = 75 GALLONS/DOSE

BASED ON A MINIMUM OF FOUR DOSES PER DAY

490 GALLONS/DAY / 4 DOSES/DAY = 122 GALLONS/DOSE

SO THE DOSE VOLUME SHALL BE 122 GALLONS

EMERGENCY STORAGE SHALL BE ONE DAY'S DESIGN FLOW FOR PUMP STATIONS WITH A SINGLE PUMP

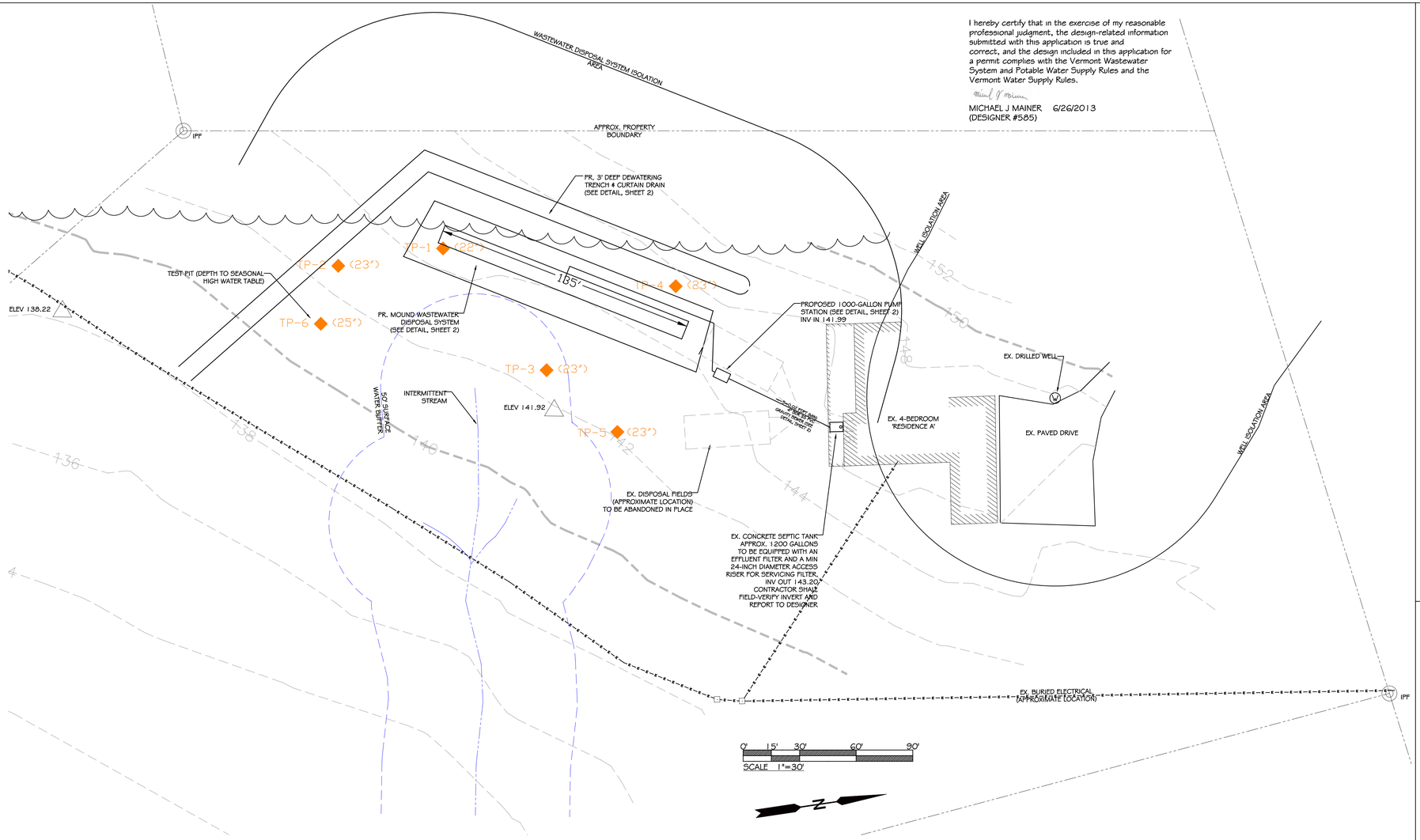
THE TOTAL AVAILABLE WORKING VOLUME OF THE PUMP STATION WILL THEREFORE BE AT LEAST

122 GALLONS + 490 GALLONS = 612 GALLONS

EXISTING POTABLE WATER DESIGN FLOWS
☐SAME AS EXISTING WASTEWATER DESIGN FLOWS (SEE ABOVE).

PROPOSED POTABLE WATER DESIGN FLOWS

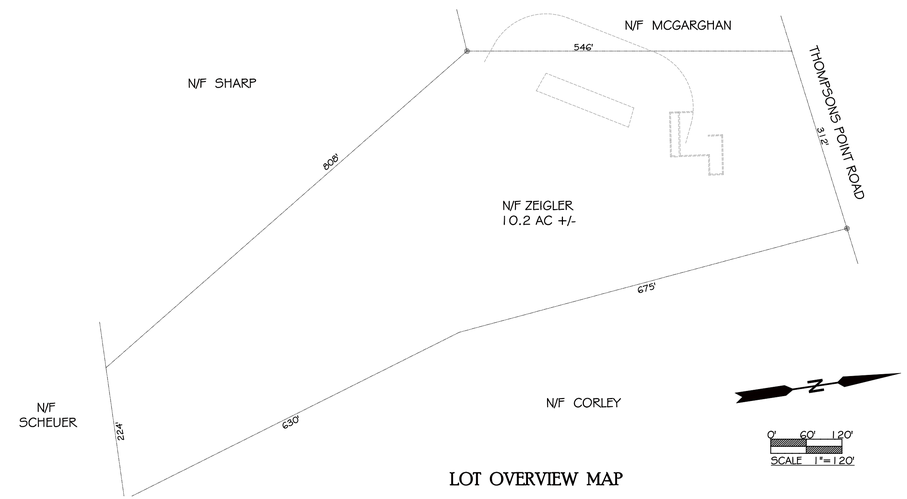
NO CHANGE TO DESIGN FLOW. NO CHANGES OR CONSTRUCTION WILL BE DONE ON THE EXISTING POTABLE WATER SUPPLY.



I hereby certify that in the exercise of my reasonable professional judgment, the design-related information submitted with this application is true and correct, and the design included in this application for a permit complies with the Vermont Wastewater System and Potable Water Supply Rules and the Vermont Water Supply Rules.

MICHAEL J MAINER 6/26/2013
(DESIGNER #585)

SITE LOCATION MAP



LOT OVERVIEW MAP

REPLACEMENT MOUND WASTEWATER DISPOSAL SYSTEM

ZEIGLER - 477 THOMPSONS POINT ROAD
CHARLOTTE VERMONT

GROVER ENGINEERING PC
2044 Main Road, Huntington, Vermont 05462
phone: 802-434-2989 email: dean@groverengineeringpc.com

SCALE: 1" = 20'	DATE: JUNE 26, 2013	DWG NO. 1 of 2	PROJ: 13005
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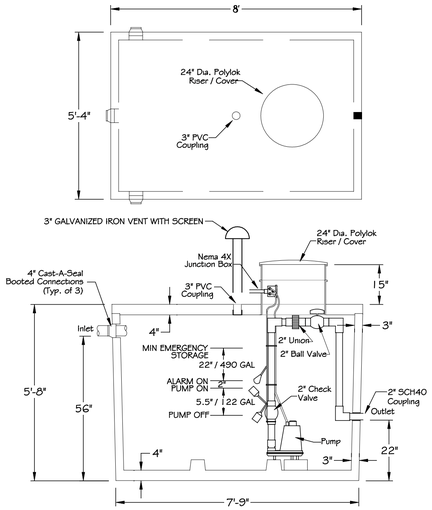
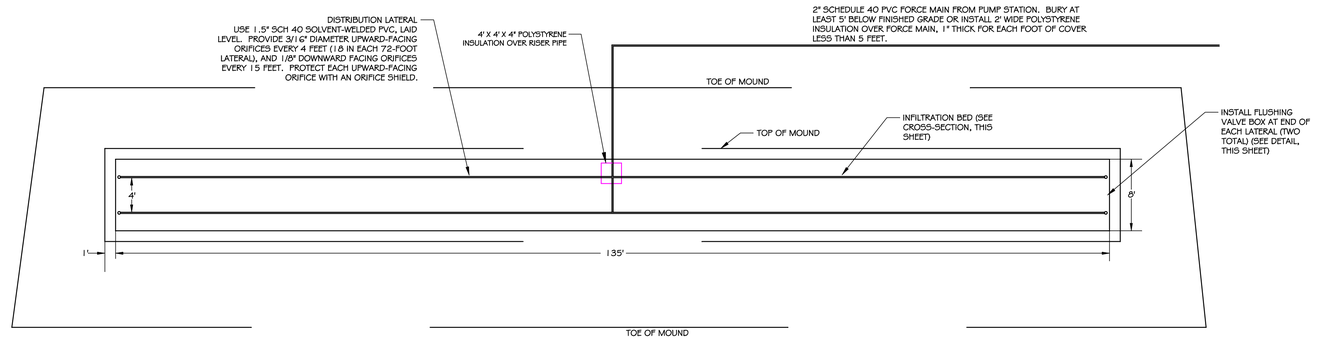


1000-GALLON PRECAST PUMP STATION DETAIL

NOT TO SCALE

NOTES:
1. MODEL SHOWN IS PRODUCED BY CAMP PRECAST.
2. PUMP SHALL PRODUCE A MINIMUM OF 24 FEET HEAD AT 58 GPM.
3. THE CONTRACTOR AND SUPPLIER SHALL COORDINATE POWER REQUIREMENTS PRIOR TO ORDERING OF THE PUMP STATION.
4. THE TOP OF THIS TANK SHALL BE BURIED NO DEEPER THAN 3 FEET BELOW FINISHED GRADE, OR AS SPECIFIED BY THE MANUFACTURER. IF A DEEPER BURIAL DEPTH IS NEEDED SEE SUPPLIER FOR SIMILAR TANKS THAT CAN BE BURIED DEEPER THAN 3 FEET.



MOUND PLAN VIEW

NOT TO SCALE

MOUND CONSTRUCTION PROCEDURE:

THIS PROCEDURE MUST BE CAREFULLY READ AND FOLLOWED DURING ALL PHASES OF MOUND CONSTRUCTION. PROPER EQUIPMENT IS NECESSARY TO AVOID RUTTING AND COMPACTION OF SOILS AND FILL MATERIALS. USE SMALL, TRACK-MOUNTED EQUIPMENT WHEREVER POSSIBLE.

1. PROVIDE THE DESIGNER WITH A PRODUCT SUBMITTAL FOR THE MOUND SAND BEING USED. THIS SHALL CONTAIN, AT MINIMUM, THE NAME AND ADDRESS OF THE SOURCE OF THE MOUND SAND AND THE RESULTS OF AN ASTM D422 SIEVE ANALYSIS OF THE MATERIAL. IF THERE ARE ANY DOUBTS AS TO THE SUITABILITY OF THE MATERIAL FOR USE AS MOUND SAND, THE CONTRACTOR SHALL COLLECT A 4-5 GALLON SAMPLE OF MOUND SAND AND SUBMIT THE SAMPLE TO A LAB FOR ASTM D422 SIEVE ANALYSIS. MOUND SAND IS SUBJECT TO APPROVAL OF DESIGNER, AND IT IS RECOMMENDED THAT THE CONTRACTOR GET APPROVAL OF MOUND SAND BEFORE TRUCKING IT TO THE SITE.
2. CONTACT THE DESIGNER TO STAKE OUT THE FOUR CORNERS OF THE DISPOSAL TRENCHES OR ADSORPTION BED AND THE FOUR CORNERS OF THE PERIMETER OF THE MOUND. AS NECESSARY, THE DESIGNER WILL ALSO STAKE OUT THE LOCATION OF THE FORCE MAIN.
3. REMOVE ALL ABOVE-GROUND VEGETATION FROM THE SITE BY CUTTING CLOSE TO THE GROUND SURFACE. DO NOT REMOVE TREE STUMPS OR ROOTS.
4. INSTALL THE FORCE MAIN FROM THE PUMP STATION TO THE MOUND, STUBBING AND CAPPING THE PIPE ABOUT TWO FEET BELOW GROUND SURFACE. PROVIDE AT LEAST TWO-INCHES OF POLYSTYRENE INSULATION, 4-FEET WIDE, CENTERED OVER THE PIPE AND LOCATED 6-INCHES ABOVE THE TOP OF THE PIPE ALONG ANY PIPE LENGTHS WITH A BURIAL DEPTH OF LESS THAN 5-FEET.
5. INSTALL THE CURTAIN DRAIN, IF ONE IS SPECIFIED ON THE PLANS.
6. PLOW THE ENTIRE FOOTPRINT OF THE MOUND SYSTEM FOOTPRINT TO A DEPTH OF ABOUT 8-INCHES, THROWING THE SOIL UPHILL, PERPENDICULAR TO THE SLOPE. PLOWING AND CONSTRUCTION SHOULD NOT BE PERFORMED WHEN THE SITE IS TOO WET. IF A SOIL SAMPLE FROM ABOUT 8-INCHES BELOW GROUND CAN BE EASILY ROLLED INTO A WIRE, THE SITE IS TOO WET, AND CONSTRUCTION SHOULD BE POSTPONED. A BACKHOE BUCKET WITH CHISEL TEETH MAY BE USED TO PULL THE SOIL UPHILL AND CREATE THE SAME EFFECT AS PLOWING. AVOID RUTTING THE PLOWED AREA WITH VEHICLES. FOLLOWING PLOWING, RE-STAKE ALL TOES OF SIDE SLOPE FOR THE MOUND SAND, AS NECESSARY (SEE DETAIL).
7. CONTACT THE DESIGNER FOR AN INSPECTION OF THE PLOWING BEFORE PROCEEDING FURTHER.
8. IMMEDIATELY AFTER THE PLOWING AND DESIGNER'S INSPECTION, EXTEND AND CAP THE FORCE MAIN ABOUT THREE FEET ABOVE GROUND SURFACE, THEN BEGIN PLACING THE MOUND SAND. AVOID TRAVELING OVER THE AREA DOWNSLOPE OF THE MOUND DURING PLACEMENT OF SAND, AND DURING ALL OTHER PHASES OF CONSTRUCTION. KEEP AT LEAST 6-INCHES OF SAND BENEATH THE TRACKS OF THE EXCAVATOR TO MINIMIZE SOIL COMPACTION. CONTINUE UNTIL THE ELEVATION OF THE TOP OF THE DISPOSAL TRENCHES OR BED HAS BEEN ACHIEVED, AND THE DIMENSIONS OF THE TOP OF THE MOUND (1-FOOT BEYOND THE OUTSIDE EDGES OF THE TRENCHES) HAVE BEEN ESTABLISHED. SHAPE THE SIDE SLOPES OF THE MOUND.
SYSTEM.
9. AN DESIGNER'S INSPECTION IS RECOMMENDED AT THIS TIME TO INSURE THAT THE PROPER MOUND GEOMETRY HAS BEEN ACHIEVED BEFORE STONE IS APPLIED.
10. USE THE EXCAVATOR TO FORM THE TRENCHES OR SEEPAGE BED, THEN LEVEL THE TRENCH OR BED BOTTOMS BY HAND. INSTALL CRUSHED STONE (3/4-INCH TO 1-1/2" IN SIZE - DO NOT USE LIMESTONE) IN THE TRENCHES TO THE REQUIRED ELEVATION OF THE PRESSURE DISTRIBUTION PIPING.
11. INSTALL AND GLUE-UP THE PRESSURE DISTRIBUTION PIPING WITH ORIFICES FACING UP (SEE DETAIL). INSTALL FLUSHING VALVES AT ALL LATERAL ENDS. PREPARE THE SYSTEM FOR A PRESSURE (SQUIRT) TEST WITH CLEAN WATER. CONTACT THE DESIGNER TO WITNESS THE PRESSURE TEST.
12. AFTER A SUCCESSFUL PRESSURE TEST, INSTALL ORIFICE SHIELDS AND COVER ALL DISTRIBUTION PIPING WITH 2-INCHES OF CLEAN CRUSHED STONE, THEN COVER ALL STONE WITH NON-WOVEN FILTER FABRIC (MIRAFI 140N, OR EQUAL). OVERLAP ANY JOINTS IN THE FABRIC AT LEAST TWO FEET, AND EXTEND THE FABRIC AT LEAST A FOOT BEYOND THE EDGE OF THE TRENCHES OR BED. INSTALL A 6' X 6' X 2-INCH THICK LAYER OF POLYSTYRENE INSULATION, CENTERED OVER THE FORCE MAIN RISER.
13. COVER THE STONE WITH A LOAMY SOIL OR TOPSOIL, APPLYING TO A DEPTH OF 6-INCHES AT THE OUTER EDGE OF THE TRENCHES OR SEEPAGE BED, SLOPING UP TO A DEPTH OF 12-INCHES AT THE CENTER OF THE MOUND. ALL SLOPES MUST BE 3H:1V OR MILDER. GRADE THE SITE TO DIVERT ALL SURFACE WATER FROM THE VICINITY OF THE MOUND.
14. PLACE 4 TO 6 INCHES OF TOPSOIL (NATIVE TOPSOIL FROM ON SITE MAY BE USED IF IT IS RELATIVELY DRY AND GRANULAR) OVER THE ENTIRE MOUND SITE, AND ANY OTHER DISTURBED AREAS.
15. CONTACT THE DESIGNER TO INSPECT THE MOUND BEFORE APPLYING SEED AND MULCH.
16. USE A CONSERVATION MIX TO ESTABLISH TURF, AND COVER IMMEDIATELY WITH MULCH. SHRUBS CAN BE PLANTED AT THE TOE OF THE MOUND, BUT NOT AT OR NEAR THE TOP WHERE THEIR ROOTS MAY INTERFERE WITH THE DISPOSAL TRENCHES AND LATERALS.

BEFORE THE SYSTEM IS PLACED INTO OPERATION, A WRITTEN REPORT SHALL BE SUBMITTED BY THE DESIGNER TO THE TOWN INDICATING THAT THE SYSTEM HAS BEEN INSTALLED ACCORDING TO THE APPROVED PLANS AND THE PERMIT. THE REPORT WILL INCLUDE SITE INSPECTION FINDINGS, AND NUMERICAL RESULTS OF THE PRESSURE TEST.

GOOD MAINTAINENCE PRACTICES WILL EXTEND THE LIFE OF A MOUND, INCLUDING THE FOLLOWING CONSIDERATIONS:

A) NEVER DRIVE MOTOR VEHICLES OR HEAVY FARM EQUIPMENT OVER THE MOUND. ALL PEDESTRIAN OR VEHICULAR TRAFFIC SHOULD BE AVOIDED DURING THE WINTER TO PREVENT DRIVING FROST INTO THE MOUND.
B) MOW THE MOUND AT LEAST TWICE PER YEAR TO PREVENT TREES AND SHRUBS FROM TAKING ROOT.
C) AVOID HYDRAULICALLY OVERLOADING THE MOUND. RENT PORT-O-LETS DURING LARGE GATHERINGS TO AVOID OVERUSE.
D) CHECK THE SEPTIC TANK ONCE PER YEAR, AND PUMP THE TANK EVERY ONE TO THREE YEARS, AS NECESSARY.
E) DO NOT CONNECT A GARBAGE DISPOSAL TO THIS SYSTEM. DO NOT BACKFLUSH WATER SOFTENERS TO THIS SYSTEM.

PRESSURE DISTRIBUTION PIPING NOTES

1. FORCE MAIN SHALL BE EQUIPPED WITH A VERTICAL RISER PIPE WITH A MINIMUM LENGTH OF 4' THAT CONNECTS DIRECTLY TO THE PRESSURE DISTRIBUTION MANIFOLD. PROVIDE A SINGLE 1/8" WEEP HOLE AT THE BASE OF THIS RISER PIPE TO PERMIT DRAINAGE BETWEEN DOSES. PLACE 2-3 CUBIC FEET OF STONE AROUND THIS WEEP HOLE.
2. LATERALS SHALL BE CONSTRUCTED OF 1.5" SCH 40 PVC PIPE WITH ALL JOINTS SOLVENT PRIMED AND WELDED.
3. PROVIDE 3/16" ORIFICES EVERY 4 FEET, FACING UP, WITH ORIFICE SHIELDS. PROVIDE 1/8" DRAIN HOLES FACING DOWN EVERY 15 FEET.
4. PROVIDE FLUSHING VALVE WITH PVC ACCESS RISER AT ALL LATERAL ENDS (SEE DETAIL).
5. KEEP ALL UNNECESSARY EQUIPMENT OFF THE DISPOSAL FIELD AREA TO MINIMIZE COMPACTION OF SOILS.
6. AFTER LAYING AND CONNECTION OF DISTRIBUTION PIPING BUT BEFORE BACKFILLING, HYDRAULIC HEAD AND DISCHARGE RATES FROM EACH LATERAL SHALL BE BALANCED TO WITHIN 10%. BUTTERFLY VALVES SHALL BE USED IF NEEDED. A MINIMUM OF 2.3 FEET OF RESIDUAL HEAD AT EACH ORIFICE IS REQUIRED, WITH NO MORE THAN 10% DIFFERENCE IN DISCHARGE RATE BETWEEN ANY TWO ORIFICES. LOADING RATE SHALL BE UNIFORM (WITHIN 10%) THROUGHOUT ENTIRE DISPOSAL FIELD. CONTRACTOR SHALL COORDINATE THIS STEP WITH DESIGNER SUCH THAT DESIGNER MAY WITNESS THIS TEST.

STATE OF VERMONT MOUND SAND SPECIFICATIONS:

FILL MATERIAL USED FROM THE NATURAL PLOWED SOIL LEVEL TO THE TOP OF THE DISPOSAL TRENCH OR BED MUST MEET ONE (AND ONLY ONE) OF THE FOLLOWING SIEVE SPECIFICATIONS (FILL MATERIAL IS IS ASTM SPECIFICATION C-33, AND IS INTENDED FOR MANUFACTURED MATERIAL.):

A)

SIEVE #	SIEVE SIZE (mm)	PERCENT PASSING, BY WEIGHT
3/8	9.500	85-100
40	0.420	25-75
60	0.240	0-30
100	0.149	0-10
200	0.074	0-5

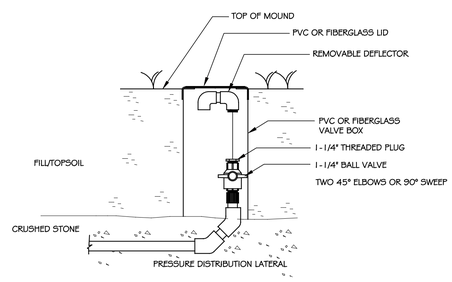
B)

SIEVE #	SIEVE SIZE (mm)	PERCENT PASSING, BY WEIGHT
4	4.750	95-100
8	2.380	80-100
16	1.190	50-85
30	0.590	25-60
50	0.297	10-30
100	0.149	2-10

C)

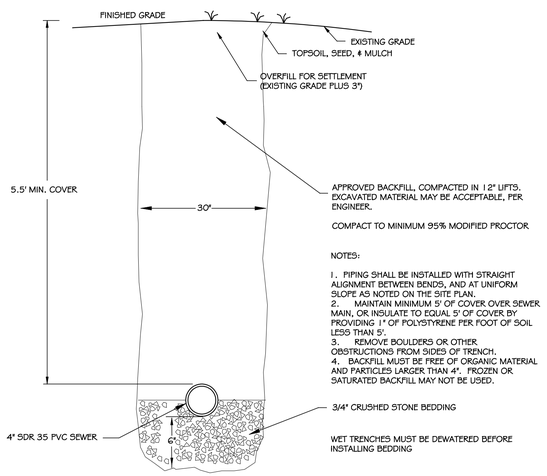
SIEVE #	SIEVE SIZE (mm)	PERCENT PASSING, BY WEIGHT
3/8	9.500	85-100
40	0.420	30-50
200	0.074	0-10

*ENVIRONMENTAL PROTECTION RULES, CHAPT 1, 9/29/07, 1-913(c)



PRESSURE DISTR. FLUSHING VALVE

NOT TO SCALE

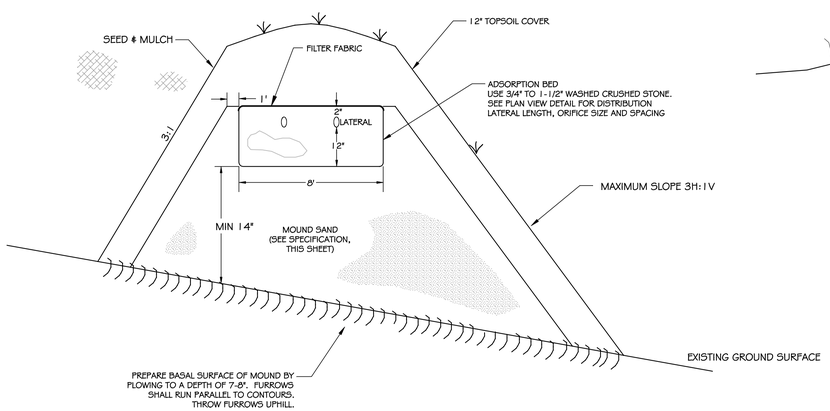


NOTES:

1. PIPING SHALL BE INSTALLED WITH STRAIGHT ALIGNMENT BETWEEN BENDS, AND AT UNIFORM SLOPE AS NOTED ON THE SITE PLAN.
2. MAINTAIN MINIMUM 5' OF COVER OVER SEWER MAIN, OR INSULATE TO EQUAL 5' OF COVER BY PROVIDING 1" OF POLYSTYRENE PER FOOT OF SOIL LESS THAN 5'.
3. REMOVE BOULDERS OR OTHER OBSTRUCTIONS FROM SIDES OF TRENCH.
4. BACKFILL MUST BE FREE OF ORGANIC MATERIAL AND PARTICLES LARGER THAN 4". FROZEN OR SATURATED BACKFILL MAY NOT BE USED.

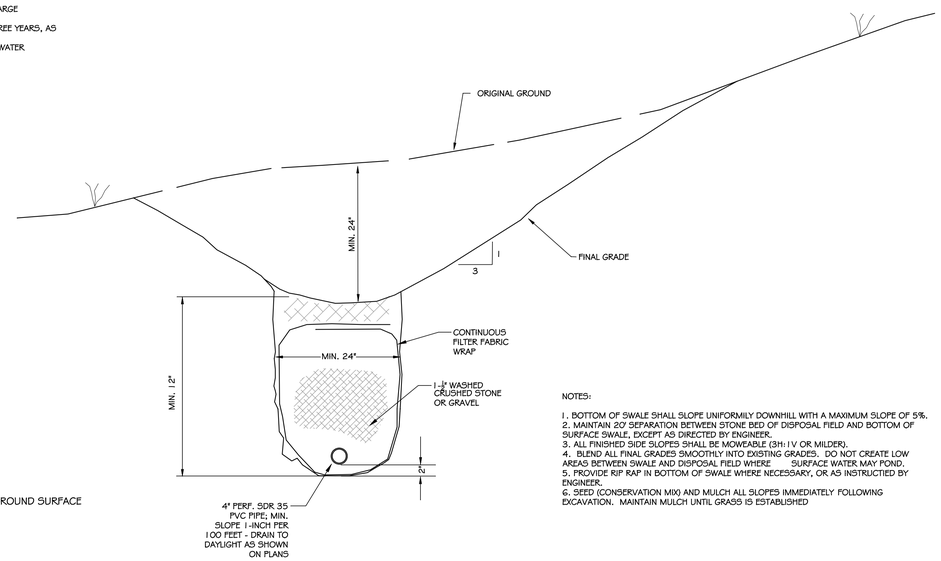
GRAVITY SEWER TRENCH DETAIL

NOT TO SCALE



MOUND CROSS-SECTION

NOT TO SCALE (VERTICALLY EXAGGERATED FOR CLARITY)



NOTES:

1. BOTTOM OF SWALE SHALL SLOPE UNIFORMILY DOWNHILL WITH A MAXIMUM SLOPE OF 5%.
2. MAINTAIN 20' SEPARATION BETWEEN STONE BED OF DISPOSAL FIELD AND BOTTOM OF SURFACE SWALE, EXCEPT AS DIRECTED BY ENGINEER.
3. ALL FINISHED SIDE SLOPES SHALL BE MOWEABLE (3H:1V OR MILDER).
4. BLEND ALL FINAL GRADES SMOOTHLY INTO EXISTING GRADES. DO NOT CREATE LOW AREAS BETWEEN SWALE AND DISPOSAL FIELD WHERE SURFACE WATER MAY POND.
5. PROVIDE RIP RAP IN BOTTOM OF SWALE WHERE NECESSARY, OR AS INSTRUCTIED BY ENGINEER.
6. SEED (CONSERVATION MIX) AND MULCH ALL SLOPES IMMEDIATELY FOLLOWING EXCAVATION. MAINTAIN MULCH UNTIL GRASS IS ESTABLISHED

SURFACE WATER DIVERSION SWALE AND CURTAIN DRAIN

NOT TO SCALE

REPLACEMENT MOUND DISPOSAL SYSTEM DETAILS

477 THOMPSONS POINT ROAD

CHARLOTTE VERMONT

GROVER ENGINEERING PC
2044 Main Road, Huntington, Vermont 05462
phone: 802-434-2989 email: dean@groverengineeringpc.com

SCALE:	DATE:	DWGNO:	PROJ:
NOT TO SCALE	JUNE 26, 2013	2 of 2	13005

FILE: \SITE PLAN\ZEIGLER SITE PLAN.DWG