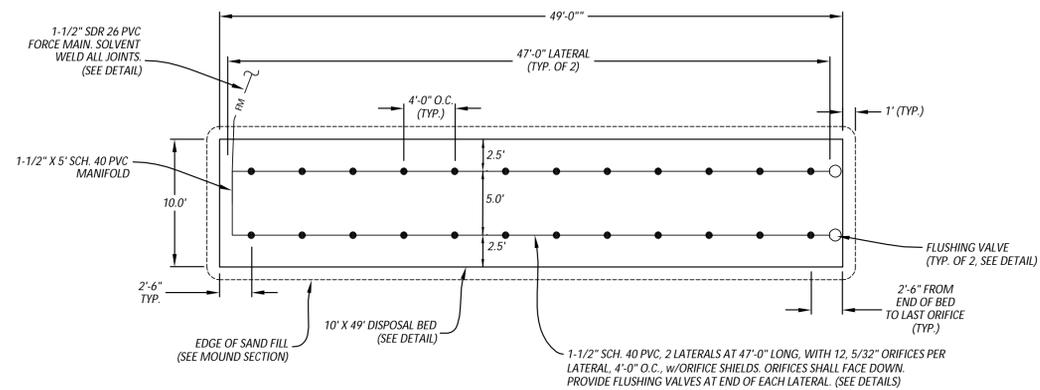
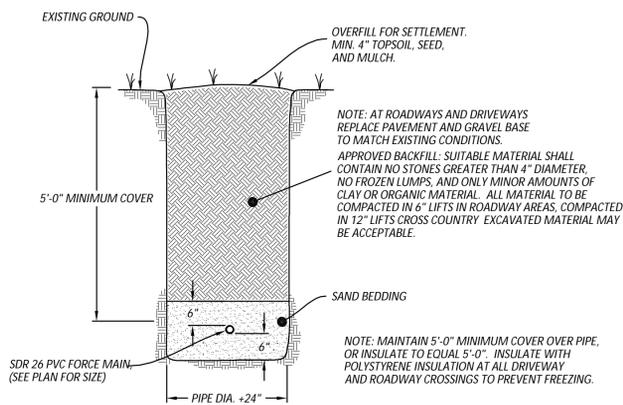


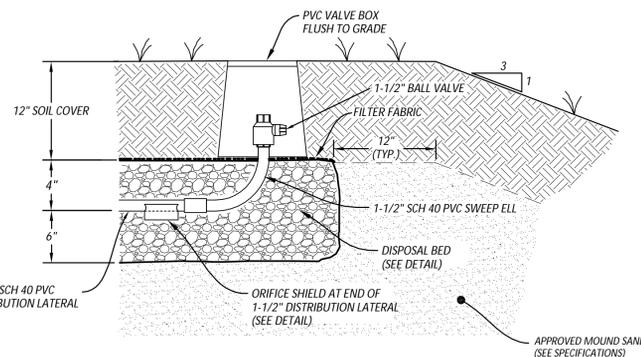
WASTEWATER MOUND SECTION DETAIL
NTS



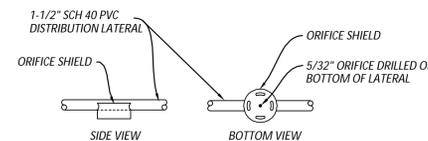
MOUND LAYOUT DETAIL
NTS



FORCE MAIN TRENCH DETAIL
NTS



FLUSHING VALVE DETAIL
NTS



ORIFICE SHIELD DETAIL
NTS

MOUND CONSTRUCTION PROCEDURE:

1. PRIOR TO CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE DESIGNER TO DISCUSS CONSTRUCTION AND STAKEOUT OF THE MOUND DISPOSAL SYSTEM PER THE "APPROVED" PLANS.
2. CLOSELY CUT AND REMOVE ALL ABOVE GROUND VEGETATION THROUGHOUT THE AREA TO BE COVERED BY THE FILL MATERIAL. TREE STUMPS SHOULD BE CUT FLUSH WITH THE GROUND SURFACE, BUT THE ROOTS SHOULD NOT BE REMOVED. PRIOR TO PLOWING, INSTALL THE FORCE MAIN PIPE FROM THE POINT OF CONNECTION WITH THE DISTRIBUTION PIPING MANIFOLD TO BEYOND THE MOUND CONSTRUCTION AREA. THIS WILL MINIMIZE DISTURBANCE ONCE PLOWING IS COMPLETED.
3. PLOW THE AREA TO A DEPTH OF 7" TO 8", PARALLEL TO THE LAND CONTOURS WITH THE PLOW THROWING THE SOIL UPHILL TO PROVIDE A PROPER INTERFACE BETWEEN THE NATURAL SOILS AND FILL MATERIAL. CONSTRUCTION OR PLOWING SHALL NOT BE STARTED WHEN THE SOIL MOISTURE CONTENT IS HIGH. IF A SAMPLE OF SOIL OBTAINED APPROXIMATELY 9" BELOW THE SURFACE CAN BE EASILY ROLLED INTO A WIRE, THE SOIL MOISTURE CONTENT IS TOO HIGH FOR CONSTRUCTION PURPOSES.
4. PLACE THE MOUND SAND AROUND THE EDGE OF THE PLOWED AREA BY DUMPING IT ON THE PLOWED AREA, BUT KEEP THE WHEELS OF THE DUMP TRUCK OFF THE PLOWED AREA. USE A CRAWLER TRACTOR OR EXCAVATOR WITH A BLADE TO MOVE THE SAND AROUND INTO PLACE KEEPING AT LEAST 6" OF SAND UNDER THE TRACKS TO MINIMIZE COMPACTION OF THE PLOWED LAYER. PLACE ALL THE SAND NEEDED IN THE MOUND, WHICH WILL BE TO THE TOP OF THE BED OR TRENCHES. SHAPE THE SIDES TO THE SLOPE SHOWN ON THE APPROVED PLANS.
5. WITH THE EXCAVATOR OR BACKHOE, FORM THE BED OR TRENCHES ALONG ITS LENGTH. THE SAND WALLS WILL STAY SUFFICIENTLY STABLE. MAKE SURE THE BOTTOM OF THE TRENCHES ARE LEVEL. SOME HAND SHOVELING WILL BE NECESSARY.
6. USING A BUCKET ON THE BACKHOE/EXCAVATOR, DUMP THE STONE IN THE BED OR TRENCHES BY TRAVELING UP THE SIDE SLOPE. LEVEL THE STONE AT THE DEPTH SHOWN BELOW THE LATERALS ON THE APPROVED PLANS.
7. INSTALL THE DISTRIBUTION PIPING AS SHOWN ON THE APPROVED PLANS AND CONTACT THE DESIGNER WHO WILL DIRECT TESTING OF THE DISTRIBUTION SYSTEM. INSURE THAT THE PIPE IS BEDDED PROPERLY WITH ALL DIPS AND RISES REMOVED AND COVER THE PIPE WITH A MINIMUM OF 4" OF THE STONE.
8. PLACE FILTER FABRIC OVER THE TOP OF THE STONE AS SHOWN ON APPROVED PLANS.
9. CROWN THE ENTIRE MOUND WITH A COVER OF SOIL LESS PERMEABLE THAN THE MOUND FILL, COVERING WITH 12" ON THE SIDE SLOPES AND A MINIMUM OF 18" OVER THE CENTER OF THE MOUND. NATIVE SOIL FROM THE SITE MAY BE SUITABLE FOR COVER MATERIAL, THOUGH THE TOP 2" TO 4" OF THIS COVER SHOULD BE TOPSOIL.
10. SEED AND MULCH THE ENTIRE MOUND TO ENSURE STABILITY OF THE INSTALLATION.

MOUND SAND FILL SPECIFICATIONS:

(MOUND SHALL BE CLEAN WASHED SILICA SAND MEETING ONE OF THE FOLLOWING SIEVE REQUIREMENTS)

	SIEVE NUMBER	OPENING (mm)	PERCENT PASSING, BY WEIGHT (%)
(1)	3/8	9.500	85 - 100
	40	0.420	25 - 75
	60	0.240	0 - 30
	100	0.149	0 - 10
(2)	200	0.074	0 - 5
	4	4.750	95 - 100
	8	2.380	80 - 100
	16	1.190	50 - 85
(3)	30	0.590	25 - 60
	50	0.297	10 - 30
	100	0.149	2 - 10
	200	0.074	0 - 5



343 Orchard Road
Charlotte, VT 05445
P: (802) 425 - 7761
F: (802) 425 - 7760

Web Site: traftonengineering.com
E-mail: traftonmc@gmavt.net

Wastewater Mound Details

Stuart Bennett Property
1154 Roscoe Road, Charlotte, VT

SIZE D	DWG Date: 4/15/17	DWG NO.	REV 00
SCALE NOTED	Drawn by: SMS	Checked by: TMC	SHEET 2 of 3

