

DESIGN NOTES:
 Refer to WW-9-0324-1 and plans prepared by John Stuart sheet 1 dated 11/2000, latest revision 12/2000, sheets 2&3 dated 11/2000 and sheet 1A dated 4/98 latest revision 12/2000, for information regarding the wastewater disposal system.

Potable Water Design Flow
 AOT: 6 Employees @ 15 GPD = 90 GPD
 DMV: 5 Employees @ 15 GPD = 75 GPD
 DMV: Classroom - 15 Students @ 15 GPD = 225 GPD
 DMV: Enforcement - 125 Trucks @ 5 GPD = 625 GPD
 Less 10% Reduction for Low-Flow Fixtures = 101 GPD
 Allowance for Truck Wash = 120 GPD
 Total Potable Water Design Flow = 1034 GPD

Wastewater Design Flow
 AOT: 6 Employees @ 15 GPD = 90 GPD
 DMV: 5 Employees @ 15 GPD = 75 GPD
 DMV: Classroom - 15 Students @ 15 GPD = 225 GPD
 DMV: Enforcement - 125 Trucks @ 5 GPD = 625 GPD
 Less 10% Reduction for Low-Flow Fixtures = 101 GPD
 Total Wastewater Design Flow = 914 GPD

Existing Wastewater Disposal System
 (4) 4' x 65' Disposal Trenches
 Flow = 30 gpm
 Head loss = -20' (elevation) + 54' (friction & fittings) = 34'
 Dose Volume = 150 Gallons
 Provide: 30 gpm @ 34' T.D.H.
 Recommend: Hydromatic SHEF 50 or approved equivalent

The wastewater pump specification is based on the assumed parameters of a partially completed wastewater disposal system designed by John Stuart, P.E. The condition of the existing partial system is unknown. Variables may be present that would require alternate pump selection. Therefore the pump specified shall be tested for a minimum flow rate of 20 GPM. Conditions may prove this does not meet the performance standard and an alternate pump selection may be required.

PERIODIC MAINTENANCE NOTES:

SEPTIC TANK
 (1) The depth of sludge and scum in the septic tank shall be measured annually by the Owner. The septic tank shall be pumped if the sludge is closer than 3" to the septic tank outlet baffle.
 (2) All interior surfaces shall be inspected for cracking after the septic tank has been pumped.
 (3) The effluent filter should be rinsed clean regularly, usually at the time of septic tank inspection.

PUMP STATION
 (1) During periods of infrequent use, the pump station shall be opened and filled with water via a hose to a level that will engage the pump. This action shall be performed at least once per week when occupancy and usage are too low to cycle the pump.
 (2) At least once per year, open the pump station and remove all settled solids as necessary.
 (3) All interior surfaces shall be inspected for cracking after the pump station has been pumped.
 (4) Float and alarm elevations shall be checked and reset as necessary.

WASTEWATER DISPOSAL AREA
 (1) Maintain turf conditions throughout the summer months by mowing the grass to 2 1/2" - 3" in length; reseed all bare spots.

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPERTY LINE
- o IRON PIN
- CONCRETE MONUMENT
- FM EXISTING FORCE MAIN
- OC OVERHEAD ELECTRIC
- W WATER SHUT-OFF
- ⊕ POWER POLE
- DRAINAGE SWALE
- WETLAND DELINEATION
- WETLANDS
- FM NEW FORCE MAIN
- S NEW SANITARY SEWER
- W NEW WATER LINE
- STW NEW STORM LINE
- FD NEW FLOOR DRAIN
- ⊕ NEW DRILLED WELL
- NEW GUARD RAIL
- 208.3 X PROPOSED SPOT ELEVATION
- AS-BUILT POINT AS OF 11/05 (ELEVATION, DESCRIPTION)

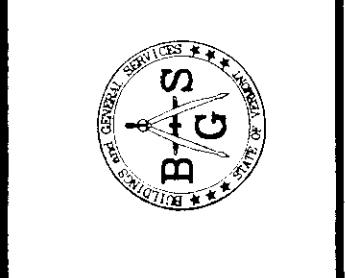
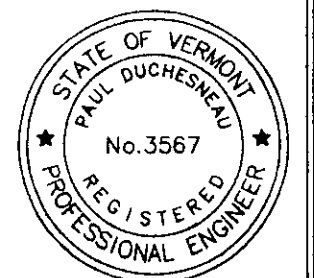
GRADING AND UTILITY PLAN
 SCALE 1" = 50'
 Graphic Scale
 50 0 50 100 150 200 feet

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REVISIONS	SCALE: 1" = 50'
DATE: 01/04/06	DRAWN BY: CCE
	APPR. BY: PD
FERRISBURGH	
MAINTENANCE GARAGE	
GRADING AND UTILITY PLAN	
C-3	
7 OF 43	

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