

DESIGN SPECIFICATIONS

TRENCH DESIGN

Design Flow _____ GPD

Please draw cross section
of trench design

TYPE	TRENCH BOTTOM REQUIRED	LF REQUIRED	ROCK (CUBIC YDS REQUIRED)
<input type="checkbox"/> Standard H-10 Chamber (No reduction allowed)	[] sq. ft.	[] LF	
<input type="checkbox"/> High Capacity Chamber	[] sq. ft.	[] LF	
<input type="checkbox"/> Using 20% allowed reduction	[] sq. ft.	[] LF	
<input type="checkbox"/> 6" rock under pipe	[] sq. ft.	[] LF	[] cu. yds.
<input type="checkbox"/> 12" rock under pipe	[] sq. ft.	[] LF	[] cu. yds.
<input type="checkbox"/> 18" rock under pipe	[] sq. ft.	[] LF	[] cu. yds.
<input type="checkbox"/> 24" rock under pipe	[] sq. ft.	[] LF	[] cu. yds.

Comments:

MOUND / PRESSURE DESIGN

Design flow _____ GPD

Land slope _____ %

Rock layer length _____ feet

Rock layer width _____ feet

Cubic yards of rock required _____

Required absorption width _____ feet

Total mound width _____ feet

Total mound length _____ feet

Down-slope dike width _____ feet

Up-slope dike width _____ feet

Number of perforated laterals _____

Number of perforations _____

Header pipe size _____

Elevation differences between pump and point of discharge _____

Total pipe length from pump to discharge point _____

Selected pump capacity _____ GPM

Total head _____ Feet of total head _____

Please draw cross
section of mound/bed construction

SOIL BORING LOG

Is the area disturbed or compacted? Yes No Is the area located within a floodplain? Yes No

What is the landscape position? _____ Soil Loading Rate: _____

Vegetation type? Wet Dry Unknown **Drainage?** Good Poor

Recommendations: _____

TEST HOLE #1				TEST HOLE #2			
DEPTH (INCHES)	TEXTURE	MUNSELL - COLOR *	STRUCTURE	DEPTH (INCHES)	TEXTURE	MUNSELL - COLOR *	STRUCTURE
			Blocky <input type="checkbox"/> Platy <input type="checkbox"/> Prismatic <input type="checkbox"/> None <input type="checkbox"/> Sand <input type="checkbox"/>				Blocky <input type="checkbox"/> Platy <input type="checkbox"/> Prismatic <input type="checkbox"/> None <input type="checkbox"/> Sand <input type="checkbox"/>
			Blocky <input type="checkbox"/> Platy <input type="checkbox"/> Prismatic <input type="checkbox"/> None <input type="checkbox"/> Sand <input type="checkbox"/>				Blocky <input type="checkbox"/> Platy <input type="checkbox"/> Prismatic <input type="checkbox"/> None <input type="checkbox"/> Sand <input type="checkbox"/>
			Blocky <input type="checkbox"/> Platy <input type="checkbox"/> Prismatic <input type="checkbox"/> None <input type="checkbox"/> Sand <input type="checkbox"/>				Blocky <input type="checkbox"/> Platy <input type="checkbox"/> Prismatic <input type="checkbox"/> None <input type="checkbox"/> Sand <input type="checkbox"/>
			Blocky <input type="checkbox"/> Platy <input type="checkbox"/> Prismatic <input type="checkbox"/> None <input type="checkbox"/> Sand <input type="checkbox"/>				Blocky <input type="checkbox"/> Platy <input type="checkbox"/> Prismatic <input type="checkbox"/> None <input type="checkbox"/> Sand <input type="checkbox"/>
			Blocky <input type="checkbox"/> Platy <input type="checkbox"/> Prismatic <input type="checkbox"/> None <input type="checkbox"/> Sand <input type="checkbox"/>				Blocky <input type="checkbox"/> Platy <input type="checkbox"/> Prismatic <input type="checkbox"/> None <input type="checkbox"/> Sand <input type="checkbox"/>

Bench Mark used: _____

Bench Mark used: _____

Description from Bench Mark: _____

Description from Bench Mark: _____

Type of observation: Boring Pit Probe

Type of observation: Boring Pit Probe

Soil map unit: _____

Soil map unit: _____

Elevation of boring: _____

Elevation of boring: _____

Depth to standing water: _____

Depth to standing water: _____

Depth to mottling: _____

Depth to mottling: _____

Depth of system: _____

Depth of system: _____

*Please note: Soil horizons in the moist condition that exhibit mottles that have chromas of 2 or less and a value of 4 or more according to the standard Munsell color notation, indicate that the horizon is or has been saturated. **Coarse sand (granules < 2mm) can be counted as part of the 3' separation unless it has 35%-50% gravel (granules > 2mm) in it, then it only counts as 50%. 50% or greater gravel can't be counted in the separation at all - you can go through it to get to another layer that will work. Must be accomplished in first 7' of soil and bottom of the dispersal area cannot be located in a layer of gravel.

SOIL BORING LOG

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What is the landscape position? _____ Soil Loading Rate: _____

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Recommendations: _____

TEST HOLE #3				TEST HOLE #4			
DEPTH (INCHES)	TEXTURE	MUNSELL - COLOR *	STRUCTURE	DEPTH (INCHES)	TEXTURE	MUNSELL - COLOR *	STRUCTURE
			Blocky <input type="checkbox"/> Platy <input type="checkbox"/> Prismatic <input type="checkbox"/> None <input type="checkbox"/> Sand <input type="checkbox"/>				Blocky <input type="checkbox"/> Platy <input type="checkbox"/> Prismatic <input type="checkbox"/> None <input type="checkbox"/> Sand <input type="checkbox"/>
			Blocky <input type="checkbox"/> Platy <input type="checkbox"/> Prismatic <input type="checkbox"/> None <input type="checkbox"/> Sand <input type="checkbox"/>				Blocky <input type="checkbox"/> Platy <input type="checkbox"/> Prismatic <input type="checkbox"/> None <input type="checkbox"/> Sand <input type="checkbox"/>
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Bench Mark used: _____

Bench Mark used: _____

Description from Bench Mark: _____

Description from Bench Mark: _____

Type of observation: Boring Pit Probe

Type of observation: Boring Pit Probe

Soil map unit: _____

Soil map unit: _____

Elevation of boring: _____

Elevation of boring: _____

Depth to standing water: _____

Depth to standing water: _____

Depth to mottling: _____

Depth to mottling: _____

Depth of system: _____

Depth of system: _____

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