

Crow Wing County Environmental Services
Site Suitability Form
Article 3.2.F

Property Owner: _____ Date: _____
Mailing Address: _____
City _____ State: _____ Zip _____
Home Phone Number: _____ Cell: _____
Site Address: _____
City _____ State: _____ Zip _____
Legal Description: _____
Sec. _____ Twp: _____ Range: _____ Township Name: _____
Parcel Number: _____
Lake/ River: _____ Lake/River Classification: _____

Description of Soil Treatment Areas

	(Proposed) Site #1		(Alternate) Site #2	
Disturbed Areas	Yes _____	No _____	Yes _____	No _____
Compacted Areas	Yes _____	No _____	Yes _____	No _____
Flooding	Yes _____	No _____	Yes _____	No _____
Run on Potential	Yes _____	No _____	Yes _____	No _____
Limiting Layer Depth	SB1 _____	SB2 _____	SB1 _____	SB2 _____
Slope % and Direction	_____		_____	
Soil Texture	_____		_____	
Soil Sizing Factor	_____		_____	
Landscape Position	_____		_____	
Vegetation Types	_____		_____	

Soil Sizing Factors/Hydraulic Loading Rates

Perc. Rate	Texture	SSF	HLR	Perc. Rate	Texture	SSF	HLR
<0.1	Coarse Sand			16 to 30	Loam	1.67	0.60
0.1 to 5	Sand	0.83	1.20	31 to 45	Silt Loam	2.00	0.50
0.1 to 5	Fine Sand	1.67	0.60	46 to 60	Clay Loam	2.20	0.45
6 to 15	Sandy Loam	1.27	0.79	> 60	Clay Loam	****	0.24

Print Designer Name and License Number: _____
Address _____
City _____ State: _____ Zip _____
Home Phone Number: _____ Cell: _____
E-Mail Address: _____
Designer Signature: _____ Date: _____
Comments/ Driving Directions: _____

Crow Wing County Pressure Bed/Trench with Pump Design

Parcel Number: _____ Property Owner: _____ Date: _____

Designer's Initials: _____

Proposed Site Boring #1

Depth (in)	Texture	Coarse Frag. %	Color	Structure	Redox

Proposed Site Boring #2

Depth (in)	Texture	Coarse Frag. %	Color	Structure	Redox

Alternate Site Boring #1

Depth (in)	Texture	Coarse Frag. %	Color	Structure	Redox

Alternate Site Boring #2

Depth (in)	Texture	Coarse Frag. %	Color	Structure	Redox

Soil Sizing Factors/Hydraulic Loading Rates

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6 to 15	Sandy Loam	1.27	0.78	> 60	Clay Loam	****	0.24

Description of Soil Treatment Areas

	Proposed Site		Alternate Site	
Disturbed Areas?				
Compacted Areas?				
Flooding Potential?				
Run-on Potential?				
Limiting Layer Depth	Proposed #1:	Proposed #2:	Alternate #1:	Alternate #2:
Slope % and Direction				
Landscape Position				
Vegetation Types				
Soil Texture				
Soil Sizing Factor				

Crow Wing County Pressure Bed/Trench with Pump Design

Parcel Number: _____ Property Owner: _____ Date: _____

Please Draw to Scale with North Arrow to top or Left Side of Page



*Click in the sketch area below to import an existing sketch (PDF or JPG format).
Drawing tools are also available in the Comments Toolbar of Adobe Reader.*

Please show all that apply (Existing or Proposed):

Wells within 100 ft. of a Drainfield
Water lines within 10 ft. of a Drainfield
Drainfield Areas
Boring Locations

Disturbed/Compacted Areas
Component Location
OHW
Lot Easements

Access Route for Tank Maintenance
Property Lines
Structures
Setbacks

Elevations:

Benchmark Elevation: _____
Elevation of Sewer Line at House: _____
Tank Inlet Elevation: _____
Drainfield Elevation: _____

Pump Elevation: _____
Pump Discharge Elevation: _____
Restricting Layer Elevation: _____

Designer Signature: _____ Date: _____ License Number: _____

SUBMIT COMPLETED FORM