Town of Onoway
PO Box 540
4812 - 51 Street
Onoway, AB T0E 1V0
Phone: (780) 967 5338
Fax: (780) 967 3226
www.onoway.ca

The Inspections Group Inc.
12010 – 111 Avenue NW
Edmonton AB T5G 0E6
Phone: (780) 454 5048 Toll Free: (866) 554 5048
Fax: (780) 454 5222 Toll Free: (866) 454 5222
www.inspectionsgroup.com

PRIVATE SEWAGE DISPOSAL SYSTEM APPLICATION FORM

Building Permit #: _____

Application Date: DD / MMM / YYYY **Estimated Project Start Date:** DD / MMM / YYYY

Applicant Type: ☐ **Homeowner** ☐ **Contractor** **Cost of Installation (Labour & Material) $** _____

The Permit Holder hereby certifies that this installation will be completed in accordance with the Alberta Safety Codes Act. A permit may expire if the undertaking to which it applies: (a) is not commenced within 90 days of issue of the permit, (b) is suspended or abandoned for a period of 120 days. An extension can be considered when applied for in writing prior to permit expiry date.

Owner Name: _____ Mailing Address: _____

City: _____ Prov: _____ Postal Code: _____ Phone: _____ Fax: _____

_____ Cell: _____ Email: _____

Owner's Signature / Declaration (Single Family Residential Only)
"I hereby declare I am the owner of the premises in which the work will be conducted, and reside or will reside on the property. I am doing the work myself, and assume responsibility for compliance with the applicable Act and Regulations"

Company Name: _____ Mailing Address: _____

City: _____ Prov: _____ Postal Code: _____ Phone: _____ Fax: _____

Cell: _____ Email: _____

_____ _____ _____
PSDS Installer's Number Print Private Sewage Installer's Name Installer's Signature

Project Location in the Town of Onoway:

Street Address: _____ Tax Roll #: _____

Legal Subdivision: Part of: _____ Section: _____ Township: _____ Range: _____ West of: _____

Subdivision Name: _____ Lot: _____ Block: _____ Plan: _____

Directions: _____

INSTALLATION:

☐ New installation
☐ Alteration
Expected Volume of Sewage:
_____
☐ m3 per day
☐ Litres per day
☐ Gallons per day

TYPE OF WORK:

☐ Commercial
☐ Residential
_____ Number of Bedrooms
☐ Work Camp
_____ Number of Men
☐ Other _____

TREATMENT / DISPOSAL METHODS (COMPLETE ALL APPLICABLE ITEMS):

☐ Treatment Mound ☐ Disposal Field
☐ Sewage Lagoon ☐ Open (Surface) Discharge
☐ Sand Filter ☐ Packaged Sewage Treatment Plant
☐ Septic Tank Size _____
☐ Sewage Holding Tank Size: _____
☐ Other _____

Description of Work: _____

COMPLETE THE ATTACHED SITE EVALUATION REPORT.

I the permit applicant understand and acknowledge the selected inspection stages will take place at my request. Any additional inspections requested will be charged at a rate of $150 per inspection (plus Levy).

_____ (Applicant Signature)

Prior to Covering or Final
☐ Accept ☐ Accept ☐ Other: _____
☐ Decline ☐ Decline
(Select ONE at minimum)

***Additional inspections will be charged at $150/ Inspection (plus Levy)**

Payment Type: ☐ Cash ☐ Cheque ☐ Credit Card ☐ Interac

Permit Fee: $ _____

+ SCC Levy*: $ _____

Total Cost: $ _____ Receipt #: _____

*$4.50 or 4% of the permit fee maximum $560.00

TIGI OFFICE USE ONLY

Issuing Officer's Name: _____

Issuing Officer's Signature: _____

Designation Number: _____

Permit Issue Date: : DD / MMM / YYYY

REMIT PAYMENT AND APPLICATION TO THE INSPECTIONS GROUP INC.

PLEASE CONTACT THE INSPECTIONS GROUP INC. PRIOR TO COVER FOR INSPECTIONS ALLOWING 2 - 5 WORKING DAYS NOTICE AND PROVIDE SAFE ACCESS

PSDS Application Summary Design Report

(Please Print Clearly)

Legal Land Description								
1/4 section	Section	Township	Range	West of		Lot	Block	Plan
Address	Street		Municipality			Lot Size (acres)		

Development Details					
Type:	☐ Residential	☐ Commercial	☐ Other		
	☐ New Construction	☐ Renovation/Repair	☐ Temporary		
Number of Bedrooms	Number of Occupants	Average Daily Flow	Peak Daily Flow		
Additional Sizing Info:					

Soil Information

# of Test Pits_____ (1 MINIMUM for Open Discharge, 2 MINIMUM for all others)

Depth Of Pits_____ (1 foot MINIMUM below Verticle Setback Distance)

Loading Rate _____ Linear Loading Rate _____

Texture _____ Shape_____ Grade _____ (Soil Profile Used for Design)

System Details

Components to be used (Check all applicable)

☐ Holding Tank	☐ Sand Mound	☐ Open Discharge	☐ Pipe in Gravel
☐ Septic	☐ Gravity Field	☐ At-Grade	☐ Chambers
☐ Treatment Plant	☐ Pressure Field	☐ Lagoon	☐ Other

Tank Size _____(Gallons)	Dose Volume _____ (Gallons)
Flow Rate_____(GPM)	Head Pressure_____(Feet)
Trench Bottom_____(SqFt)	Sand Layer _____(SqFt)
Trench Length _____(Ft)	Chamber Size _____(inch)
Orifice Size _____(inch)	Squirt Height _____(Feet)

Tank/Plant Make and Model _____

High Level Alarm Make and Model _____

Effluent Filter/Screen Make and Model _____

Setback Distances			
Tank to Occupied Building:		Tank to Nearest Property Line:	
Tank to Water Source:		Tank to Soil Treatment:	
Soil Treatment Component to Property Lines (Must be accurate)			
North:	South:	East:	West:
Soil Treatment Component to Water Source:			Type:
Soil Treatment Component to Water Course:			Type:
Soil Treatment Component to Occupied Building:			(Nearest)

Additional Information

NOTE: All site evaluations MUST meet Part 7 of the Standard of Practice.
Incomplete applications will result in delays or refusal of Permit issuance.

Alberta Private Sewage Treatment System Soil Profile Log Form

Owner Name or Job ID.									
Legal Land Location								Test Pit GPS Coordinates	
LSD-1/4	Sec	Twp	Rg	Mer	Lot	Block	Plan	Easting	Northing

Vegetation notes:		Overall site slope %	
		Slope position of test pit:	

Test hole No.	Soil Subgroup	Parent Material	Drainage	Depth of Lab sample #1	Depth of Lab sample #2

Hori-zon	Depth (cm) (in)	Texture	Lab or HT	Colour	Gleying	Mottling	Structure	Grade	Consistence	Moisture	% Coarse Fragments

Depth to Groundwater		Limiting Soil Layer Characteristic, describe	
Depth to Seasonally Saturated Soil		Depth to Limiting Soil Layer	
Limiting Topography		Depth to Highly Permeable Layer	
Key Limiting Features on System Design			
Weather Condition notes:			
Comments: such as root depth and abundance or other pertinent observations:			

Onsite Sewage System Site Evaluation Lot Diagram Sketch and Notes

Project Name: Lot or Legal Description: Date:

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Show the proposed location of the onsite sewage system and the following items indicating their distances from the proposed system:

trees
floodplains
wells
water sources
surface water
bedrock outcrops
buildings
property lines
easement lines
ditches or interceptors
banks or steep slopes
fills
driveways
existing sewage systems
underground utilities
soil test pit and borehole locations

drainage course

slope direction

borehole BH 1

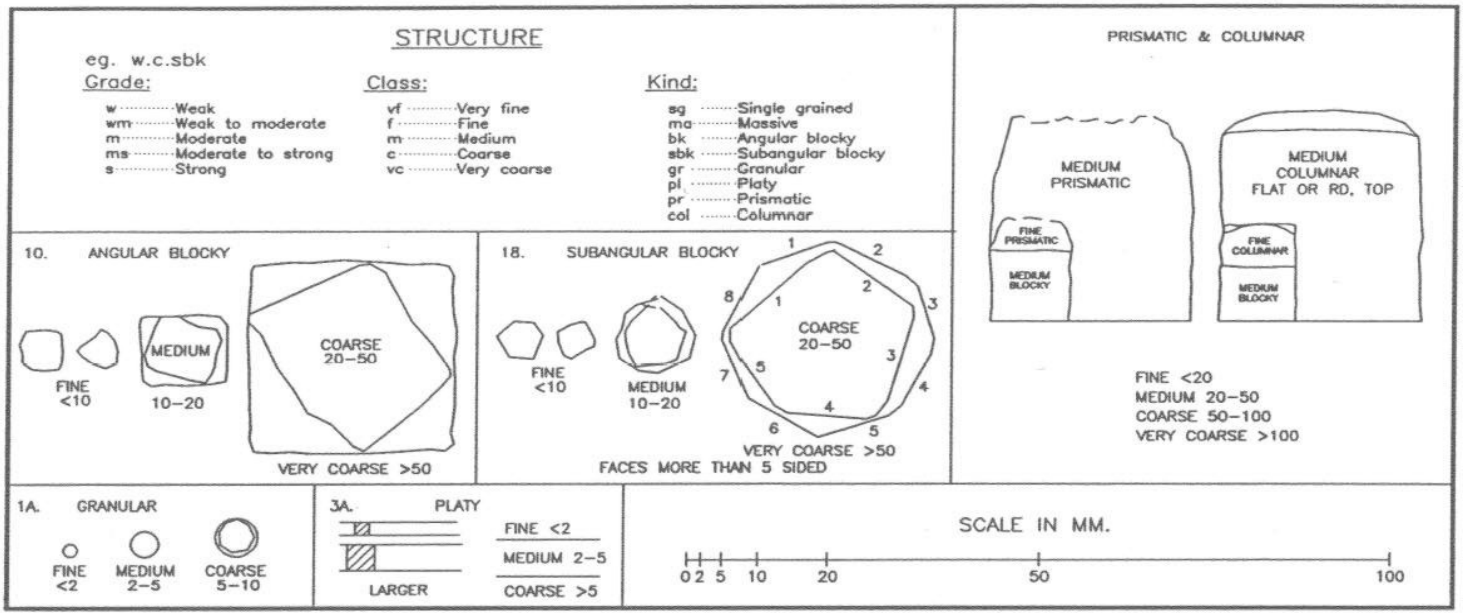
Test Pit P1

Comments:

Property line GPS coordinates:
GPS coordinates of well:
GPS coordinate of tank:
GPS coordinates of soil treatment component corners:

Additional information is required separately for the system design detail.

Figure 4: Diagrammatic representation of soil structure



SLOPE CLASSES OF LOCAL LANDFORMS

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5	10–15	6–8.5	moderate slopes
6	16–30	9–17	strong slopes
7	31–45	17–24	very strong slopes
8	46–70	25–35	extreme slopes
9	71–100	35–45	steep slopes
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SURFACE STONINESS

		Surface Area	Distance Apart (cm)
S0	non–stony	<0.01%	>30
S1	slightly stony	0.01–0.1%	10–30
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SLOPE POSITION

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DRAINAGE

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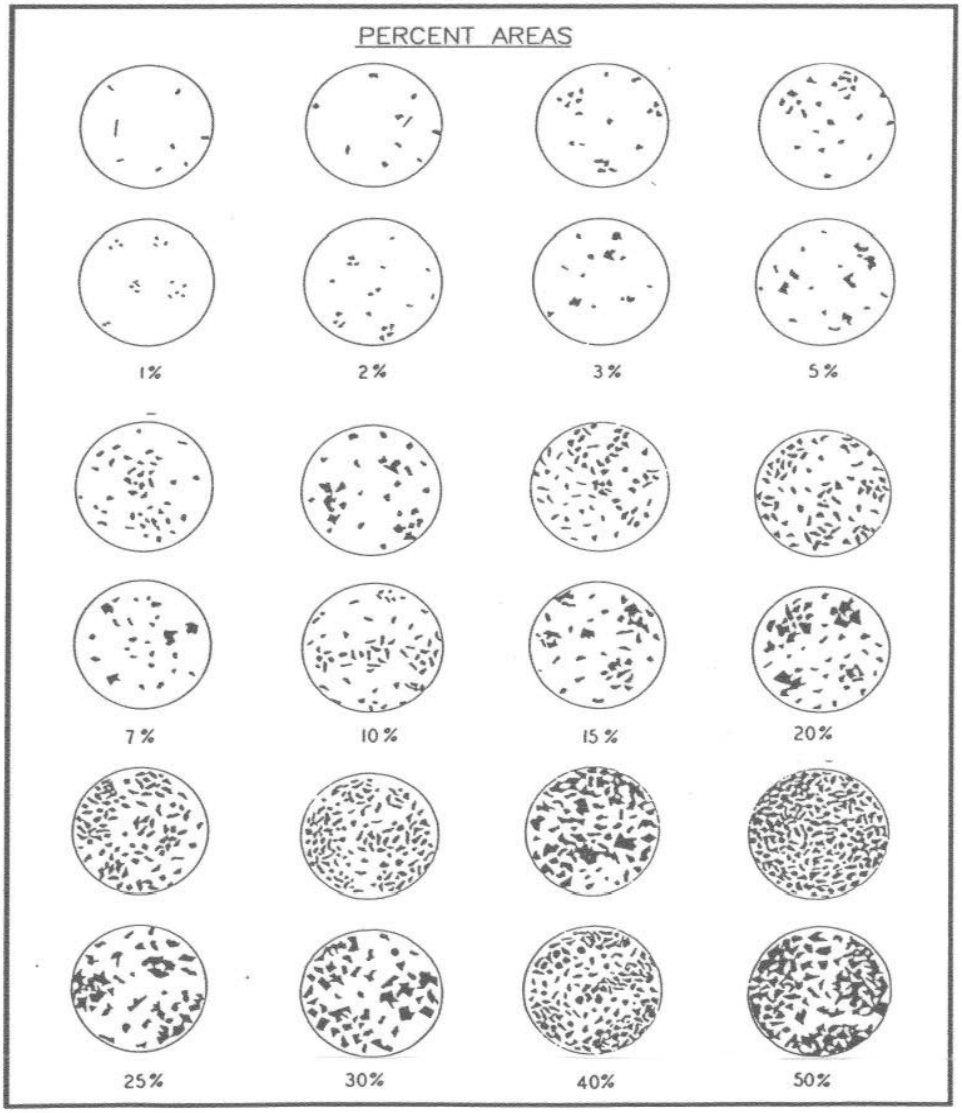

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	Massive (MA):	amorphous; a coherent mass showing no evidence of any distinct arrangement of soil particles; separates into clusters of particles; not peds	

Cloddy (CDY): not a structure; used to indicate the condition of some ploughed surface, grade, class, and shape too varied to be described in standard terms.

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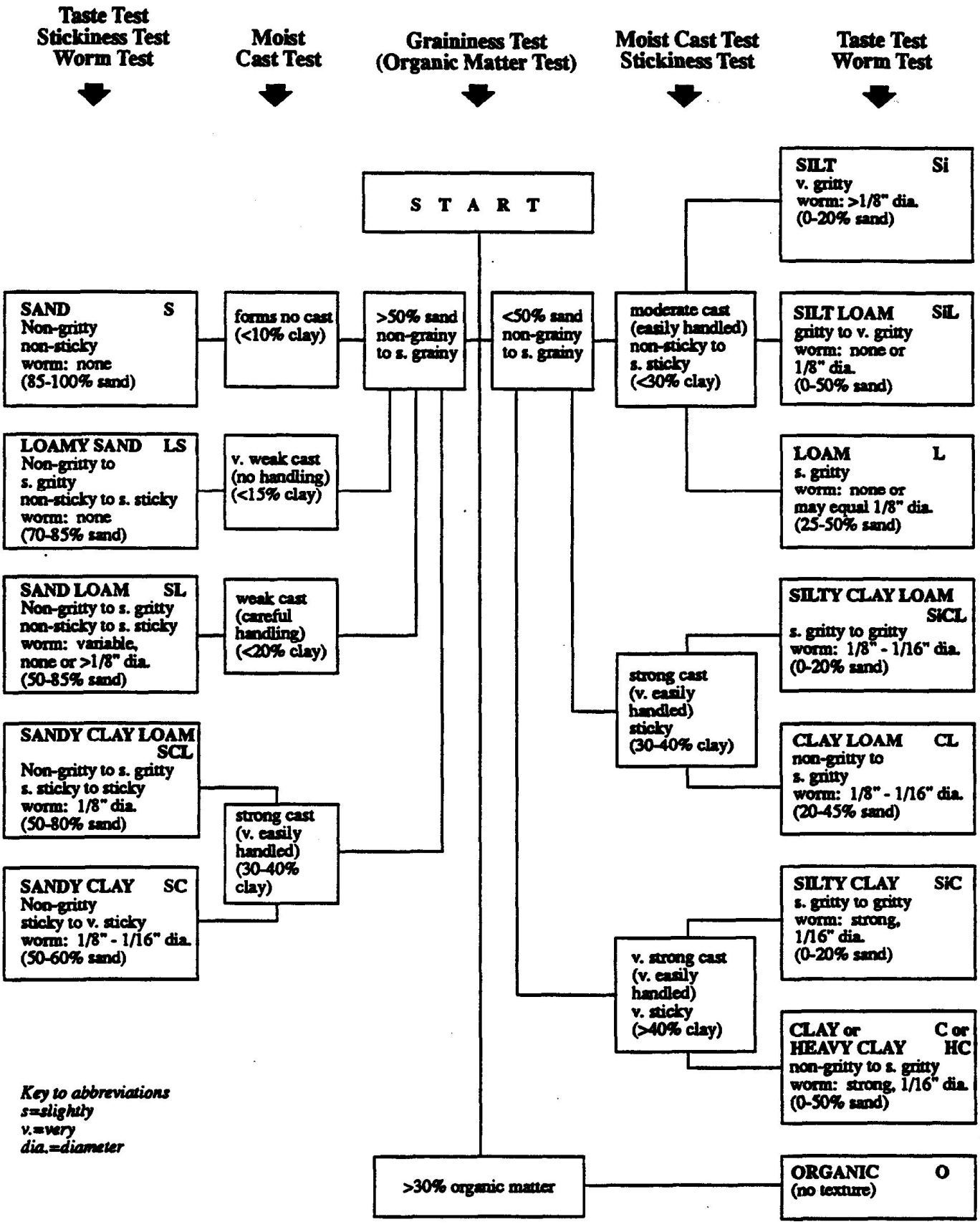
• Firm:	Structure breaks down with moderate force between the fingers.
• Extremely firm:	Structure breaks down with moderate force between the hands or slight foot pressure.
• Rigid:	Structure breaks down only with foot pressure.

Structure Grade Descriptions

Code		Structure Grade Definition
0	**Massive /or single grained used to describe sands**	This describes a soil that has no developed structure. There is no aggregation of primary particles or no definite orderly arrangement around natural lines of weakness.
1	**Weak**	Peds are either indistinct and barely evident in place, or observable in place but incompletely separated from adjacent peds. When disturbed, the soil material separates into a mixture of only a few entire peds, many broken peds and much unaggregated material.
2	**Moderate**	Peds are moderately durable, and are evident but not distinct in the undisturbed soil. When disturbed, the soil material parts into a mixture of many well formed, entire peds, some broken peds, and little unaggregated material. The peds may be handled without breaking and they part from adjoining peds to reveal nearly entire surfaces which have properties distinct from those caused by fracturing.
3	**Strong**	Peds are durable and evident in the undisturbed soil, adhere weakly to one another, withstand displacement and separate cleanly when the soil is disturbed. When removed, the soil material separates mainly into entire peds. Surfaces of unbroken peds have distinctive properties, compared to surfaces that result from fracturing.

Mottling Descriptions

Parameter	Code	Description
Abundance	**Few**	<2% of the exposed surface
	Common	2-20% of the exposed surface
	Many	>20% of the exposed surface
Size	**Fine**	< 5 mm
	Medium	5-15 mm
	Coarse	>15 mm
Contrast	**Faint**	Evident only on close examination. Faint mottles commonly have the same hue as the colour to which they are compared and differ by no more than 1 unit of chroma or 2 units of value. Some faint mottles of similar but low chroma and value can differ by 2.5 units of hue.
	Distinct	Readily seen, but contrast only moderately with the colour to which they are compared. Distinct mottles commonly have the same hue as the colour to which they are compared, but differ by 2 to 4 units of chroma or 3 to 4 units of value; or differ from the colour to which they are compared by 2.5 units of hue but by no ore than 1 unit of chroma or 2 units of value.
	Prominent	Contrast strongly with the colour to which they are compared. Prominent mottles are commonly the most obvious colour feature in a soil. Prominent mottles that have medium chroma and value commonly differ from the colour to which they are compared by at least 5 units of hue if chroma and value are the same; or at least 1 unit of chroma or 2 units of value if hue differs by 2.5 units.


Taste Test
Stickiness Test
Worm Test
Moist
Cast Test
Graininess Test
(Organic Matter Test)
Moist Cast Test
Stickiness Test
Taste Test
Worm Test
START
SAND S
Non-gritty
non-sticky
worm: none
(85-100% sand)
LOAMY SAND LS
Non-gritty to
s. gritty
non-sticky to s. sticky
worm: none
(70-85% sand)
SAND LOAM SL
Non-gritty to s. gritty
non-sticky to s. sticky
worm: variable,
none or >1/8" dia.
(50-85% sand)
SANDY CLAY LOAM
SCL
Non-gritty to s. gritty
s. sticky to sticky
worm: 1/8" dia.
(50-80% sand)
SANDY CLAY SC
Non-gritty
sticky to v. sticky
worm: 1/8" - 1/16" dia.
(50-60% sand)
forms no cast
(<10% clay)
v. weak cast
(no handling)
(<15% clay)
weak cast
(careful
handling)
(<20% clay)
strong cast
(v. easily
handled)
(30-40%
clay)
>50% sand
non-grainy
to s. grainy
<50% sand
non-grainy
to s. grainy
>30% organic matter
moderate cast
(easily handled)
non-sticky to
s. sticky
(<30% clay)
strong cast
(v. easily
handled)
sticky
(30-40% clay)
v. strong cast
(v. easily
handled)
v. sticky
(>40% clay)
SILT Si
v. gritty
worm: >1/8" dia.
(0-20% sand)
SILT LOAM SiL
gritty to v. gritty
worm: none or
1/8" dia.
(0-50% sand)
LOAM L
s. gritty
worm: none or
may equal 1/8" dia.
(25-50% sand)
SILTY CLAY LOAM
SiCL
s. gritty to gritty
worm: 1/8" - 1/16" dia.
(0-20% sand)
CLAY LOAM CL
non-gritty to
s. gritty
worm: 1/8" - 1/16" dia.
(20-45% sand)
SILTY CLAY SiC
s. gritty to gritty
worm: strong,
1/16" dia.
(0-20% sand)
CLAY or C or
HEAVY CLAY HC
non-gritty to s. gritty
worm: strong, 1/16" dia.
(0-50% sand)
ORGANIC O
(no texture)
Key to abbreviations
s=slightly
v.=very
dia.=diameter

SYSTEM DRAWING

- ✓ **Complete drawing of proposed system, layout of laterals, position and location of tank etc.**

Comments:

_____

_____

_____

_____

_____

_____

_____

_____

PSDS Application Summary Design Report

(Please Print Clearly)

Legal Land Description								
1/4 section	Section	Township	Range	West of		Lot	Block	Plan
Address	Street		Municipality			Lot Size (acres)		

Development Details					
Type:	☐ Residential	☐ Commercial	☐ Other		
	☐ New Construction	☐ Renovation/Repair	☐ Temporary		
Number of Bedrooms	Number of Occupants	Average Daily Flow	Peak Daily Flow		
Additional Sizing Info:					

Soil Information

# of Test Pits_____ (1 MINIMUM for Open Discharge, 2 MINIMUM for all others)

Depth Of Pits_____ (1 foot MINIMUM below Verticle Setback Distance)

Loading Rate _____ Linear Loading Rate _____

Texture _____ Shape_____ Grade _____ (Soil Profile Used for Design)

System Details

Components to be used (Check all applicable)

☐ Holding Tank	☐ Sand Mound	☐ Open Discharge	☐ Pipe in Gravel
☐ Septic	☐ Gravity Field	☐ At-Grade	☐ Chambers
☐ Treatment Plant	☐ Pressure Field	☐ Lagoon	☐ Other

Tank Size _____(Gallons)	Dose Volume _____ (Gallons)
Flow Rate_____(GPM)	Head Pressure_____(Feet)
Trench Bottom_____(SqFt)	Sand Layer _____(SqFt)
Trench Length _____(Ft)	Chamber Size _____(inch)
Orifice Size _____(inch)	Squirt Height _____(Feet)

Tank/Plant Make and Model _____

High Level Alarm Make and Model _____

Effluent Filter/Screen Make and Model _____

Setback Distances			
Tank to Occupied Building:		Tank to Nearest Property Line:	
Tank to Water Source:		Tank to Soil Treatment:	
Soil Treatment Component to Property Lines (Must be accurate)			
North:	South:	East:	West:
Soil Treatment Component to Water Source:			Type:
Soil Treatment Component to Water Course:			Type:
Soil Treatment Component to Occupied Building:			(Nearest)

Additional Information

NOTE: All site evaluations MUST meet Part 7 of the Standard of Practice.
Incomplete applications will result in delays or refusal of Permit issuance.

Alberta Private Sewage Treatment System Soil Profile Log Form

Owner Name or Job ID.									
Legal Land Location								Test Pit GPS Coordinates	
LSD-1/4	Sec	Twp	Rg	Mer	Lot	Block	Plan	Easting	Northing

Vegetation notes:		Overall site slope %	
		Slope position of test pit:	

Test hole No.	Soil Subgroup	Parent Material	Drainage	Depth of Lab sample #1	Depth of Lab sample #2

Hori-zon	Depth (cm) (in)	Texture	Lab or HT	Colour	Gleying	Mottling	Structure	Grade	Consistence	Moisture	% Coarse Fragments

Depth to Groundwater		Limiting Soil Layer Characteristic, describe	
Depth to Seasonally Saturated Soil		Depth to Limiting Soil Layer	
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Key Limiting Features on System Design			
Weather Condition notes:			
Comments: such as root depth and abundance or other pertinent observations:			

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Project Name: Lot or Legal Description: Date:

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Show the proposed location of the onsite sewage system and the following items indicating their distances from the proposed system:

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drainage course

slope direction

borehole BH 1

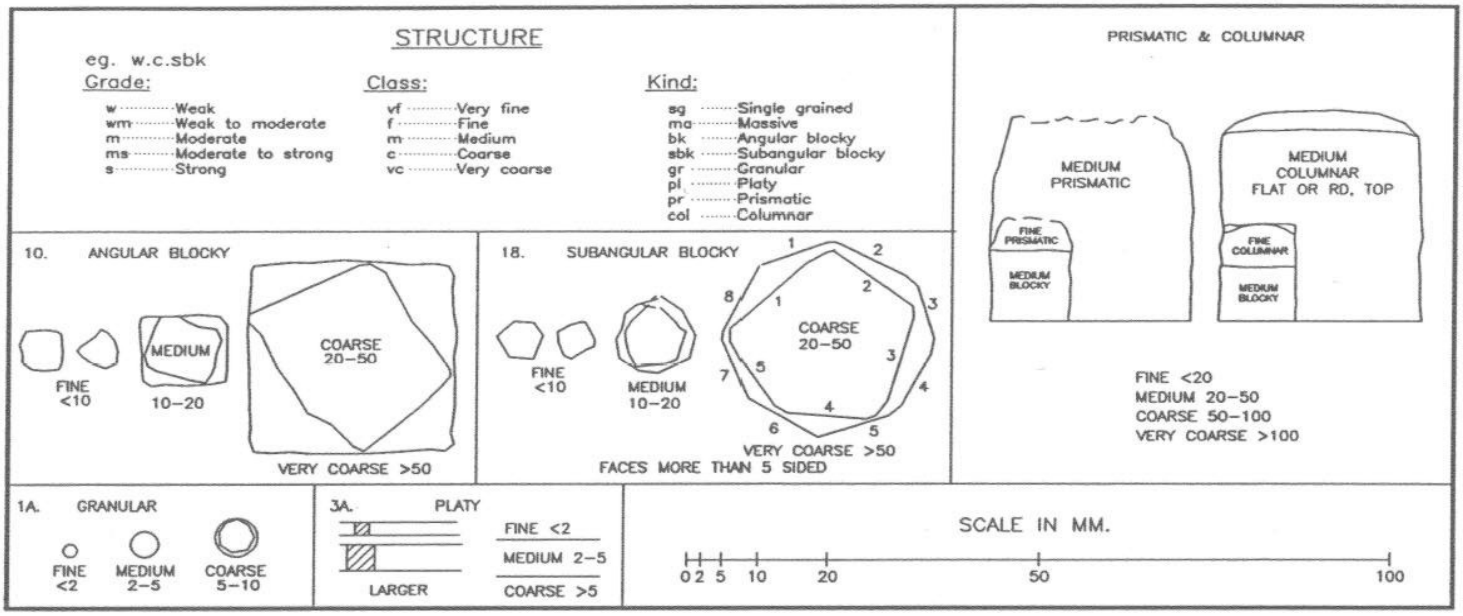
Test Pit P1

Comments:

Property line GPS coordinates:
GPS coordinates of well:
GPS coordinate of tank:
GPS coordinates of soil treatment component corners:

Additional information is required separately for the system design detail.

Figure 4: Diagrammatic representation of soil structure



SLOPE CLASSES OF LOCAL LANDFORMS

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SURFACE STONINESS

		Surface Area	Distance Apart (cm)
S0	non–stony	<0.01%	>30
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SLOPE POSITION

c	– crest
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DRAINAGE

VR	- very rapidly
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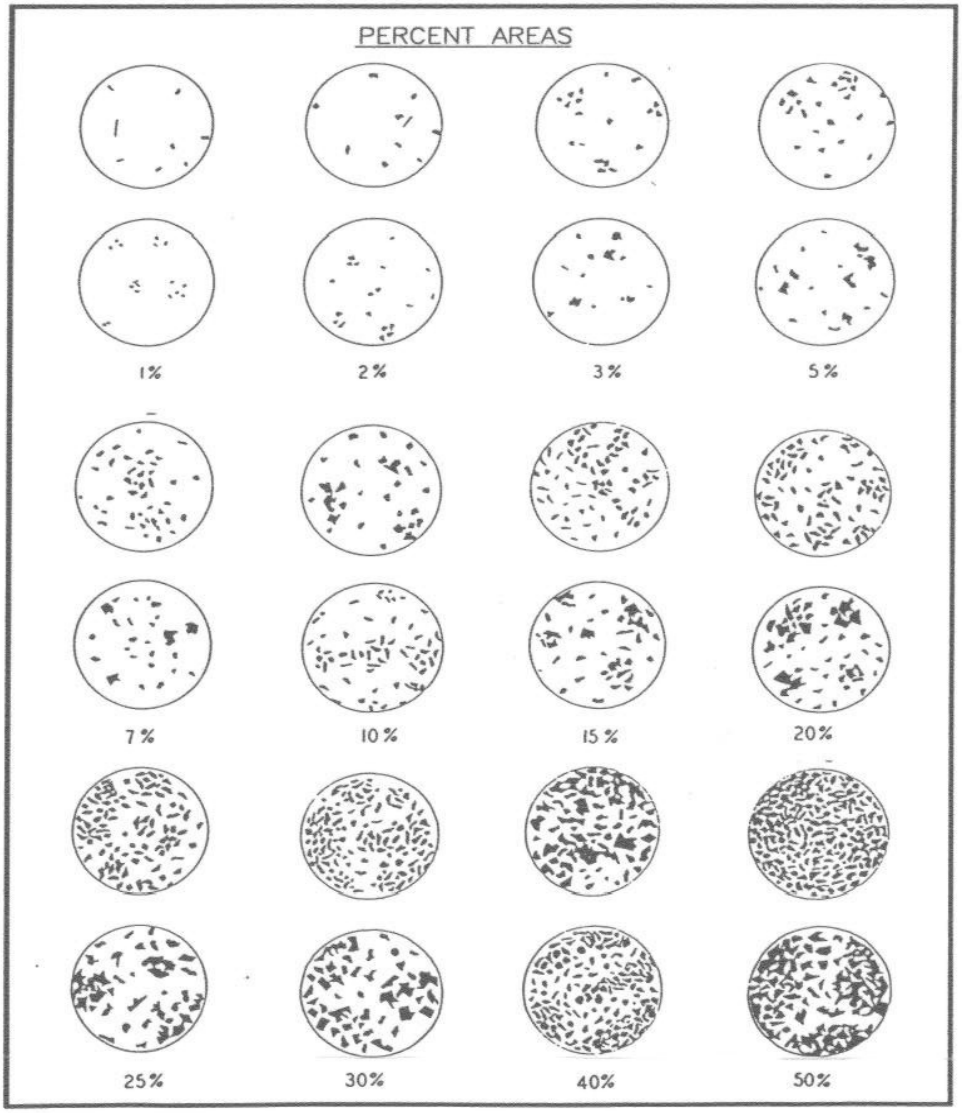

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	Columnar (COL): vertical edges near top of columns not sharp (vertices[2] subrounded); column tops flat, rounded, or irregular	**VF:** very fine columnar	<10
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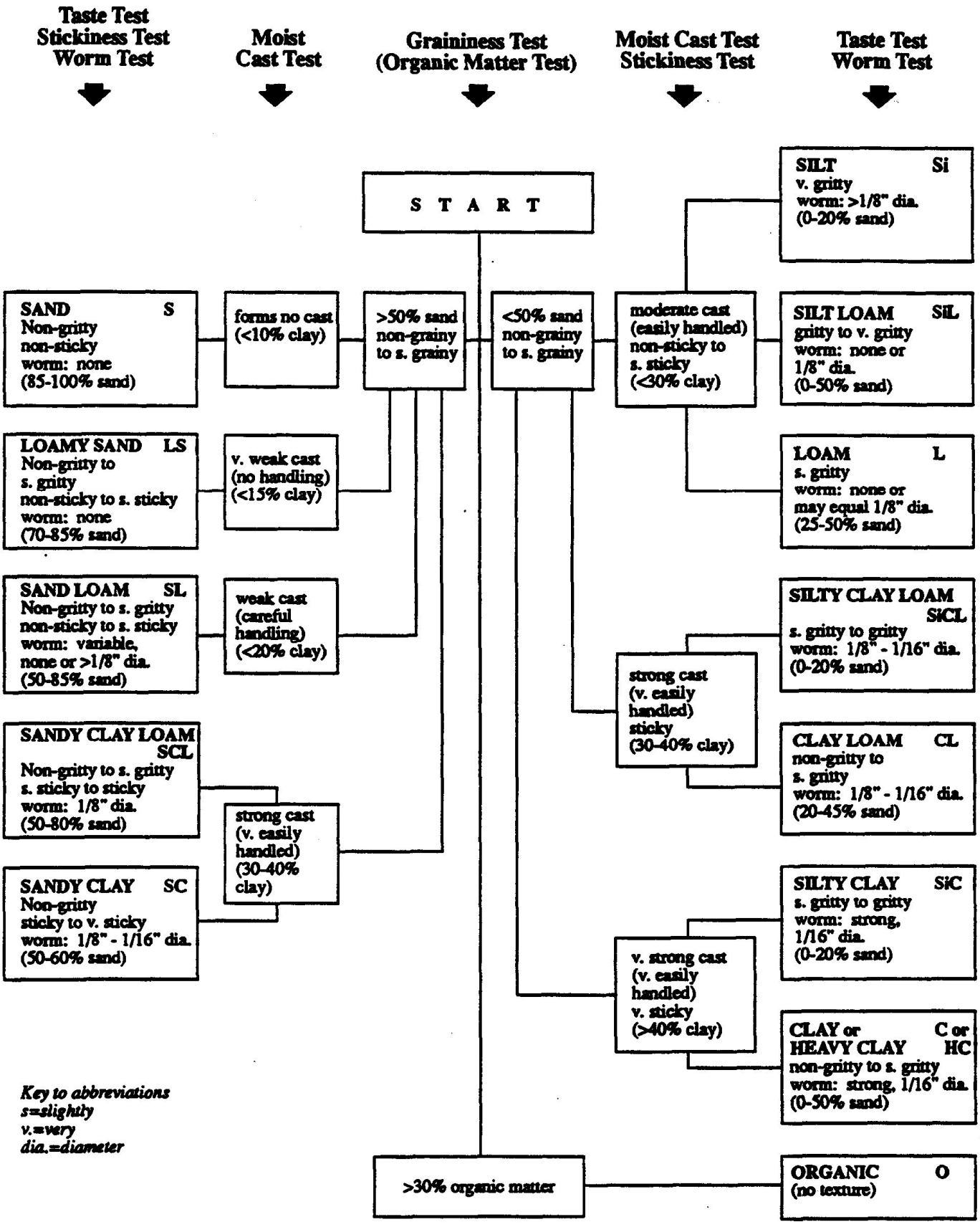
Code		Structure Grade Definition
0	**Massive /or single grained used to describe sands**	This describes a soil that has no developed structure. There is no aggregation of primary particles or no definite orderly arrangement around natural lines of weakness.
1	**Weak**	Peds are either indistinct and barely evident in place, or observable in place but incompletely separated from adjacent peds. When disturbed, the soil material separates into a mixture of only a few entire peds, many broken peds and much unaggregated material.
2	**Moderate**	Peds are moderately durable, and are evident but not distinct in the undisturbed soil. When disturbed, the soil material parts into a mixture of many well formed, entire peds, some broken peds, and little unaggregated material. The peds may be handled without breaking and they part from adjoining peds to reveal nearly entire surfaces which have properties distinct from those caused by fracturing.
3	**Strong**	Peds are durable and evident in the undisturbed soil, adhere weakly to one another, withstand displacement and separate cleanly when the soil is disturbed. When removed, the soil material separates mainly into entire peds. Surfaces of unbroken peds have distinctive properties, compared to surfaces that result from fracturing.

Mottling Descriptions

Parameter	Code	Description
Abundance	**Few**	<2% of the exposed surface
	Common	2-20% of the exposed surface
	Many	>20% of the exposed surface
Size	**Fine**	< 5 mm
	Medium	5-15 mm
	Coarse	>15 mm
Contrast	**Faint**	Evident only on close examination. Faint mottles commonly have the same hue as the colour to which they are compared and differ by no more than 1 unit of chroma or 2 units of value. Some faint mottles of similar but low chroma and value can differ by 2.5 units of hue.
	Distinct	Readily seen, but contrast only moderately with the colour to which they are compared. Distinct mottles commonly have the same hue as the colour to which they are compared, but differ by 2 to 4 units of chroma or 3 to 4 units of value; or differ from the colour to which they are compared by 2.5 units of hue but by no ore than 1 unit of chroma or 2 units of value.
	Prominent	Contrast strongly with the colour to which they are compared. Prominent mottles are commonly the most obvious colour feature in a soil. Prominent mottles that have medium chroma and value commonly differ from the colour to which they are compared by at least 5 units of hue if chroma and value are the same; or at least 1 unit of chroma or 2 units of value if hue differs by 2.5 units.


Taste Test
Stickiness Test
Worm Test
Moist
Cast Test
Graininess Test
(Organic Matter Test)
Moist Cast Test
Stickiness Test
Taste Test
Worm Test
START
SAND S
Non-gritty
non-sticky
worm: none
(85-100% sand)
LOAMY SAND LS
Non-gritty to
s. gritty
non-sticky to s. sticky
worm: none
(70-85% sand)
SAND LOAM SL
Non-gritty to s. gritty
non-sticky to s. sticky
worm: variable,
none or >1/8" dia.
(50-85% sand)
SANDY CLAY LOAM
SCL
Non-gritty to s. gritty
s. sticky to sticky
worm: 1/8" dia.
(50-80% sand)
SANDY CLAY SC
Non-gritty
sticky to v. sticky
worm: 1/8" - 1/16" dia.
(50-60% sand)
forms no cast
(<10% clay)
v. weak cast
(no handling)
(<15% clay)
weak cast
(careful
handling)
(<20% clay)
strong cast
(v. easily
handled)
(30-40%
clay)
>50% sand
non-grainy
to s. grainy
<50% sand
non-grainy
to s. grainy
>30% organic matter
moderate cast
(easily handled)
non-sticky to
s. sticky
(<30% clay)
strong cast
(v. easily
handled)
sticky
(30-40% clay)
v. strong cast
(v. easily
handled)
v. sticky
(>40% clay)
SILT Si
v. gritty
worm: >1/8" dia.
(0-20% sand)
SILT LOAM SiL
gritty to v. gritty
worm: none or
1/8" dia.
(0-50% sand)
LOAM L
s. gritty
worm: none or
may equal 1/8" dia.
(25-50% sand)
SILTY CLAY LOAM
SiCL
s. gritty to gritty
worm: 1/8" - 1/16" dia.
(0-20% sand)
CLAY LOAM CL
non-gritty to
s. gritty
worm: 1/8" - 1/16" dia.
(20-45% sand)
SILTY CLAY SiC
s. gritty to gritty
worm: strong,
1/16" dia.
(0-20% sand)
CLAY or C or
HEAVY CLAY HC
non-gritty to s. gritty
worm: strong, 1/16" dia.
(0-50% sand)
ORGANIC O
(no texture)
Key to abbreviations
s=slightly
v.=very
dia.=diameter

SYSTEM DRAWING

- ✓ **Complete drawing of proposed system, layout of laterals, position and location of tank etc.**

Comments:

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