

Soil Survey

SAC County

Proj. # STPN-196-1(017)-2C-81

Road - ~~La~~ 196

Borrow & Road

Crew: William Gurnett
Jeff Fudge
Marshall Berg

Date Started - 6-13-11

Date Completed - 8-16-11

Hole # Sta. Dist. E C-S-m Soil Condition Date 9/20/11 J. Folger

B-0147 1040150 41.340 C-05-1.0 Moist Sample 1.5 A. BR Sandy Clay (Top Soil)
 Boring #27 C-3.0-3.5 Moist Sample 19.0 B. BR GR Sandy Glacial Clay
 ————— 22.0 C. Bldgs
 Moist Sample 45.0 D. Coarse Gravelly Sand w/ Hum Bldg
 Moist Sample 50.0 E. GR BR Sandy Glacial Clay
 w/ occ S.S. + Bldgs
 14² 22' Dry Plugged 24 hrs

B-0145 1040150 41.640 Moist B-0144-A 1.5 A. BR Sandy Clay (Top Soil)
 Boring #26 Moist B-0144-B 11.0 B. BR GR Sandy Glacial Clay
 C-15.0-15.5 Moist Sample 25.0 C. DK GR Glacial Clay w/ occ Bldg
 Moist B-0144-D 30.0 D. Coarse Gravelly Sand w/ Hum Bldg
 Moist Sample 45.0 E. GR BR Glacial Clay
 Moist B-0144-E 50.0 F. Coarse Gravelly Sand w/ Hum Bldg
 14² 30.4' Wet 24 hrs

B-0146 1040150 41.740 Moist B-0148-A 2.0 A. BR Sandy Clay (Top Soil)
 Boring #25 Moist B-0148-B 7.0 B. BR GR Sandy Glacial Clay w/ SS
 ————— 10.0 C. Bldgs
 Moist B-0148-C 24.0 D. DK GR Glacial Clay
 Moist B-0148-D 50.0 E. Coarse Gravelly Sand w/ Hum Bldg
 B-0148-E 14² 31.1' Plugged 24 hrs

Hole #	Sta.	Dist E	e-s-m	Cond'n	Sample
B-0147	1040+50	ht. 1240		Moist	B-0148-A
Boiling #241				Moist	B-0148-B
				Moist	B-0149-D
				Dry	B-0148-E

6/28/11

B. Fudge
M. Berg

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1.5	A. BR Sandy Clay (Top Soil)
24.0	B. BR GR Sandy Glacial Clay
34.0	C. DK GR Glacial Clay
45.0	D. Coarse Gravelly Sand w/ num. Bldr
H ₂ O	(Filled after Drilling - No Water Level)

B-0149	1043+50	ht. 1070	0-0.5-1.0	Moist	Sample
Boiling #251			0.5-3.5	Moist	Sample
				Moist	Sample

6/29/11

W. Gurnett

B. Fudge

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1.5	A. BR Sandy Clay (Top Soil)
25.0	B. BR GR Sandy Glacial Clay
40.0	C. Coarse Gravelly Sand w/ num Bldr
H ₂ O	28.5' Plugged 24 Hrs

B-0149	1043+50	ht. 770		Moist	B-0148-A
Boiling #260			0-3.0-3.5	Moist	Sample
				Moist	B-0148-B
				Moist	Sample
				Moist	B-0148-C

2.5	A. BR Sandy Clay (Top Soil)
15.0	B. BR Silty Clay
27.0	C. Coarse Gravelly Sand w/ num Bldr
34.0	D. DK GR Glacial Clay w/ num Bldr
40.0	E. Coarse Gravelly Sand w/ num Bldr
H ₂ O	18.5' Wet 24 Hrs

Hole #	Sta.	Dist. E	C-S-M	Cond. Str.	Sample
B-0150	1043+50	Lt. 470	0-5-1.0	Moist	B-0144-A
Boring #29			0-3-3.5	Moist	B-0144-B
				Moist	Sample
				Moist	B-0145-C
				Moist	B-0144-D

B-0151	1043+50	Lt. 170		Moist	B-0144-A
Boring #28				Moist	B-0144-B
				Moist	B-0144-C

Dist.	Sample	Notes
2.0	A. BR Sandy Clay (Top Soil)	
15.0	B. BR. GR. Sandy Glacial Clay	
24.0	C. Fine BR Sand	
34.0	D. DK GR Glacial Clay	
40.0	E. Coarse Gravelly Sand w/num Bldr	
H ₂ O	14.8' Wet	24 Hrs.

2.0	A. BR Sandy Clay (Top Soil)	
29.0	B. BR Sandy Glacial Clay	
50.0	C. Coarse Gravelly Sand w/num Bldr	
H ₂ O	20.5' Plogged	24 Hrs.

Hole #	Sta.	Dist #	C-S-M	Condition	Notes
B-0154	1046+50	Lt. 340	C. 5-1.0	Dry	Sample
Boring #32			C. 3-3.5	Moist	Sample
				Wet	B-0155-C

B-0155	1046+50	Lt. 690		Dry	B-0152-A
Boring #33				Moist	B-0157-B
				Wet	Sample

B-0156	1046+50	Lt. 940		Dry	B-0148-A
Boring #34				Moist	B-0148-B
				Wet	B-0148-C

B-0157	1049+50	Lt. 770	C. 1.5-2.0	Dry	Sample
Boring #37				Wet	Sample
				Moist	Sample
				Moist	Sample

J. Fudge M. Berg

2.0	A	BR Sandy Clay (Top Soil)
7.0	B	BR GR Sandy Glacial Clay
30.0	C	Coarse Gravelly Sand w/ Bldg & Silt Seams
H ² O		6.8' Wet 24 Hrs

2.0	A	BR Sandy Clay (Top Soil)
18.0	B	BR GR Sandy Glacial Clay
30.0	C	Coarse Gravelly Sand w/ Bldg & Silt Seams
H ² O		20.9' Dry 24 hrs

2.0	A	BR Sandy Clay (Top Soil)
6.0	B	BR GR Sandy Glacial Clay
20.0	C	Coarse Gravelly Sand w/ Bldg & Silt Seams
H ² O		9.5' Wet 24 Hrs

3.0	A	BR Sandy Clay (Top Soil)
11.0	B	GR Silty Sand
14.0	C	BR GR Sandy Glacial Clay
20.0	D	DK GR Sandy Glacial Clay w/ Bldg
H ² O		4.0 Wet 24 Hrs

Hole #	Sta.	Dist	d-S-m	Soil Condition	Same Hrs.
B-0158	1049450	W. 470		Dry	B-0154-A
Boring #36				Moist	B-0154-B
				Wet	B-0154-C

B-0159	1049450	W. 170		Dry	B-0154-A
Boring #35				Moist	B-0154-B
				Wet	B-0154-C

7/13/11

W. P. J. Fudge

M. Berg

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2.0	A	BR	Sandy Clay (Top Soil)
9.0	B	BR	GL Sandy Glacial Clay
20.0	C	Coarse Gravelly Sand	W/ Bld. Silt Seams
H ₂ O	10.8'	Wet	24 Hrs.

2.0	A	BR	Sandy Clay (Top Soil)
5.0	B	BR	GL Sandy Glacial Clay
20.0	C	Coarse Gravelly Sand	W/ Bld. Silt Seams
H ₂ O	6.6'	Wet	24 Hrs.