

SUMMARY OF SOIL TEST DATA

CORE BORING SAMPLES

Station & Offset	Depth From-To	% Agg.	% C.S.	% F.S.	% Silt	% Clay	LL	PI	% W.C.	SHTL Class.
131+00 CL	1.0-5.0'	44	7	31	10	8	NP	NP	23	A-1-b
	10.0-11.0'	0	4	32	54	10	NP	NP	12	A-4b
	15.0-16.0'	7	6	49	26	16	16	NP	2	A-4a
	16.0-20.0'	5	42	37	13	NP	NP	NP	24	A-3a
30.0-30.1' Shale Visual										
175+00 CL	5.0-6.0'	41	20	24	15	0	NP	NP	14	A-1-b
	10.0-11.0'	65	19	6	10	0	NP	NP	14	A-1-b
	15.0-16.0'	0	1	1	43	55	29	9	18	A-4a
	20.0-21.0'	36	9	5	35	15	21	5	12	A-4a
	25.0-26.0'	33	17	6	33	11	21	6	7	A-4a
	27.0-28.0'	31	24	4	31	10	24	5	11	A-4a
30.0-30.1' Shale Visual										
183+00 CL	5.0-6.0'	47	32	14	5	2	NP	NP	17	A-1-b
	11.0-12.0'	26	3	3	73	21	NP	NP	21	A-1-b
	15.0-16.0'	0	3	3	34	33	23	8	13	A-4a
	20.0-21.0'	10	12	11	34	33	27	9	16	A-4a
	25.0-26.0'	3	3	8	41	45	27	9	16	A-4a
	30.0-31.0'	7	11	16	33	33	20	4	12	A-4a
190+00 CL	10.0-11.0'	44	39	6	9	2	NP	NP	20	A-1-b
	15.0-16.0'	49	10	6	15	20	26	8	19	A-2-4
	20.0-21.0'	6	4	7	43	38	23	11	18	A-6a
	25.0-26.0'	6	47	22	21	8	18	NP	20	A-3a
	30.0-31.0'	8	2	1	39	14	NP	NP	14	A-4b
	35.0-36.0'	8	2	7	59	51	29	11	22	A-6a
40.0-41.0' Shale Visual										
45.0-46.0' Shale Visual										
50.0-51.0' Shale Visual										

MAPLE GROVE ROAD

AUGER BORING SAMPLES

Station & Offset	Depth From-To	% Agg.	% C.S.	% F.S.	% Silt	% Clay	LL	PI	% W.C.	SHTL Class.
1+00 0' Rt.	0.8-3.0'	54	10	12	16	8	23	7	12	A-2-4
3.0-6.0' Shale Visual										
3+50 10' Rt.	0.6-4.0'	5	2	4	53	36	32	9	18	A-4b
	4.0-7.0'	0	1	4	69	26	26	6	22	A-4b
	7.0-9.0'	20	23	24	23	10	NP	NP	15	A-2-4
6+50 10' Lt.	0.6-3.0'	30	29	10	21	10	25	4	9	A-2-4
	3.0-6.0'	18	20	12	27	23	25	6	10	A-4a
	6.0-8.0'	4	5	11	37	43	37	12	15	A-6a
	8.0-12.0'	18	4	3	38	37	12	8	8	A-6a
15+00 10' Rt.	0.6-4.0'	26	18	31	15	10	NP	NP	6	A-2-4
	4.0-5.0'	29	18	38	8	7	NP	NP	13	A-3a
	5.0-8.0'	52	21	14	8	5	NP	NP	20	A-1-a

AUGER BORING SAMPLES

Station & Offset	Depth From-To	% Agg.	% C.S.	% F.S.	% Silt	% Clay	LL	PI	% W.C.	SHTL Class.
116+00 CL	0.3-4.0'	2	11	22	36	29	30	11	23	A-6a
	4.0-7.0'	5	21	26	30	22	23	5	28	A-4a
	7.0-13.0'	65	22	7	22	23	26	NP	13	A-1-a
	13.0-14.5'	33	16	6	22	23	26	7	14	A-4a
116+00 90' Lt.	0.3-4.0'	16	12	12	27	33	29	9	20	A-4a
	4.0-8.0'	3	4	6	31	50	40	12	29	A-6a
	8.0-11.0'	20	13	16	30	21	24	4	17	A-4a
	11.0-14.0'	31	22	11	10	16	26	5	27	A-4a
	14.0-20.0'	55	30	7	5	3	19	5	13	A-1-a
120+50 90' Rt.	5.0-7.0'	24	7	17	38	14	22	4	17	A-4a
	7.0-10.0'	25	4	4	32	35	35	13	14	A-6a
121+00 90' Lt.	0.4-6.5'	20	4	3	39	32	33	13	10	A-6a
	6.5-12.0'	17	2	4	44	28	29	11	7	A-6a
124+25 90' Lt.	0.3-2.0'	25	21	15	19	20	30	11	12	A-6a
	2.0-4.0'	3	18	37	29	13	NP	NP	16	A-4a
	4.0-11.5'	11	5	4	46	34	28	11	7	A-6a
125+10 CL	0.0-2.0'	3	5	9	46	37	40	11	45	A-6a
	2.0-4.0'	9	3	2	38	48	37	16	30	A-6b
	4.0-4.5'	13	10	8	39	30	23	12	33	A-6a
126+25 CL	0.3-5.0'	17	6	8	33	36	32	12	14	A-6a
	5.0-12.0'	5	6	12	50	27	24	7	14	A-6a
	12.0-12.5'	59	3	21	14	25	9	7	7	A-2-4
	Shale Visual									
132+50 CL	5.0-8.0'	4	11	43	33	9	NP	NP	17	A-4a
	8.0-9.0'	0	2	8	44	46	45	11	19	A-6a
	9.0-17.0'	8	8	13	40	31	21	5	19	A-4a
	17.0-18.0'	32	4	3	40	21	24	4	9	A-4a
136+00 90' Lt.	0.3-6.0'	5	5	6	41	43	29	11	14	A-6a
	Shale Visual									
138+00 CL	0.3-4.0'	39	9	7	28	17	29	7	11	A-4a
	Shale Visual									
142+50 90' Lt.	0.3-3.0'	0	1	4	52	43	37	0	33	A-4b
	3.0-3.5'	1	2	7	48	42	46	14	41	A-7-5
142+50 90' Rt.	0.3-3.5'	0	1	1	54	44	35	11	23	A-6a
	3.5-5.0'	2	10	51	23	14	NP	NP	22	A-4a
	5.0-7.0'	28	3	8	37	24	28	11	13	A-6a
	7.0-12.0'	15	2	2	52	29	28	7	7	A-4b
145+00 50' Rt.	0.3-2.0'	27	29	26	11	7	NP	NP	7	A-1-b
	2.0-4.0'	37	25	9	8	20	6	15	15	A-1-b
	4.0-6.0'	13	9	9	34	35	31	11	18	A-6a
	6.0-14.0'	55	4	2	22	17	26	6	7	A-4a
148+50 90' Rt.	0.6-4.0'	24	12	33	21	10	NP	NP	8	A-2-4
	4.0-6.0'	36	20	17	8	9	24	10	10	A-2-4
	6.0-9.0'	3	2	6	59	30	26	3	25	A-4b
	9.0-14.0'	0	1	11	55	33	39	21	17	A-6b
14.0-15.0' Shale Visual										
153+00 90' Rt.	0.6-2.0'	54	10	17	8	20	2	6	6	A-1-b
	2.0-4.0'	9	3	5	33	49	40	18	23	A-6a
	4.0-5.5'	11	5	8	50	26	22	2	15	A-4b
154+00 90' Lt.	0.4-4.0'	5	3	5	34	53	38	14	24	A-6a
	4.0-7.5'	21	5	5	32	37	35	13	20	A-6a
156+25 90' Rt.	0.6-2.0'	32	11	23	22	12	19	5	11	A-2-4
	2.0-5.0'	3	5	18	51	23	21	4	16	A-4b
	5.0-7.0'	39	8	23	19	11	21	5	16	A-2-4
	7.0-8.0'	29	18	32	12	24	16	9	16	A-4a
	8.0-10.0'	18	10	18	30	24	16	9	16	A-4a
	10.0-11.0'	42	2	3	33	20	19	13	8	A-6a
163+00 CL	0.6-4.0'	51	16	16	10	7	NP	NP	6	A-1-b
	4.0-11.0'	10	7	15	44	24	23	6	12	A-4a
	11.0-12.5'	Shale Visual								
163+35 CL	0.6-5.0'	50	12	19	12	7	NP	NP	9	A-1-b
	5.0-13.0'	29	7	14	32	18	21	4	13	A-4a
13.0-15.0' Shale Visual										
168+00 CL	0.6-2.0'	42	12	12	21	13	25	8	16	A-2-4
	2.0-9.0'	9	7	13	43	28	25	8	17	A-4a
	9.0-14.0'	12	8	12	43	25	20	6	11	A-4a
	14.0-16.0'	Shale Visual								
16.0-16.5' Shale Visual										
202+00 CL	0.3-1.0'	0	2	7	52	39	59	15	18	A-7-5
	1.0-4.0'	0	6	38	29	27	27	8	20	A-4a
	4.0-5.0'	0	1	41	33	25	24	7	23	A-4a
	5.0-9.0'	11	12	27	30	20	22	8	22	A-4a
202+00 100' Lt.	0.3-3.5'	0	2	15	52	31	28	6	16	A-4b
	3.5-5.0'	47	13	13	17	10	28	9	20	A-2-4
202+00 100' Rt.	0.3-3.0'	12	6	11	41	30	34	9	33	A-4a
	3.0-7.0'	4	2	7	48	39	32	10	26	A-4a
	7.0-9.0'	5	2	5	51	37	31	10	22	A-4b
205+00 CL	0.3-4.0'	0	1	17	51	31	25	5	16	A-4b
	Shale Visual									
209+00 CL	0.3-3.0'	28	7	24	21	20	23	7	23	A-4a
	3.0-5.0'	23	10	21	28	18	25	9	20	A-4a
210+00 CL	0.3-1.5'	5	2	26	47	20	26	5	39	A-4a
	1.5-4.0'	0	1	3	30	66	98	46	67	A-7-5
	4.0-5.0'	0	1	33	44	22	20	3	30	A-4a
	5.0-5.5'	24	9	10	35	22	29	5	30	A-4a
210+00 100' Lt.	0.8-2.0'	13	10	21	33	23	26	7	7	A-4a
	2.0-4.5'	25	10	13	28	14	39	13	27	A-6a
210+00 100' Rt.	0.3-2.0'	0	1	58	29	12	NP	NP	14	A-4a
	2.0-4.0'	36	10	26	19	9	NP	NP	11	A-2-4
223+50 CL	0.3-2.0'	1	6	18	44	31	26	6	17	A-4a
	2.0-5.0'	33	13	10	14	20	2	16	16	A-2-4
	5.0-6.0'	49	20	14	9	8	27	9	1	