

LOG OF TEST BORING

SOLAR TESTING LABORATORIES, INC.

STL PROJECT NO: A96529x10

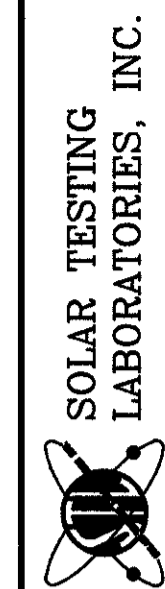
PROJECT: Geotech. Invest. - LAK-528-11.024		CLIENT: McCoy Associates, Inc.		BORING: B-1												
LOCATION: Sta. 3+240.09, 2.74 m Lt., Madison, Lake County, OH		DATE STARTED: 6-19-1996		DATE COMPLETED: 6-19-1996												
DRILLING METHOD: Hollow Stem Auger		SURFACE ELEVATION: 204.09 m		WATER ENCOUNTER: 201.95 m												
ELEV. ON COMPLETION: 201.95 m		WATER ENCOUNTER: 201.95 m		COMPLETION: 201.95 m												
ELEV. (METERS)	DEPTH (METERS)	SAMPLE TYPE	WATER	SOIL DESCRIPTION	SPLIT - BARREL PENETRATION blows/0.15 m	AGG. %	COARSE SAND %	FINE SAND %	SILT %	CLAY %	LIQUID LIMIT %	PLASTICITY INDEX %	MOISTURE CONTENT %	UNCONF. COMP. STRENGTH (kpa)	DRY UNIT WEIGHT (kg/m <sup>3</sup> )	SOIL CLASSIFICATION
203.48				152mm ASPHALT, 457mm LIMESTONE BASE.												
	1	SS		Brown SAND, little gravel, trace silt. (Fill)	4- 4- 4 (moist)								7.7			VISUAL
201.96	2	SS	W	Loose gray COARSE and FINE SAND, little silt, trace gravel.	4- 4- 5 (sat.)	7.6	12.4	69.1	10.9				24.5			A-3a
	3	SS		Medium dense gray FINE SAND, little silt, trace gravel.	4-4-7-9 (sat.)	0.4	0.8	88.8	10.0							A-3
	4	SS			5-6-7-7 (sat.)	0.2	1.4	90.4	8.0							A-3
	5	SS			4-5-7-9 (sat.)	9.6	3.8	81.0	5.6							A-3
	6	SS		Medium dense gray COARSE and FINE SAND, little silt, trace gravel.	5-5-8-9 (sat.)	1.2	2.1	83.8	12.9				23.3			A-3a
198.60	7	SS		Medium dense gray GRAVEL, some sand, trace silt.	5-6-7-10 (moist)	50.9	23.6	20.3	5.2				10.7			A-1-a
197.99	8	SS			12-14-17 (moist)											VISUAL
	9	SS		Medium dense to dense gray FINE SAND, some silt, trace gravel.	10-13-16 (moist)								19.0			VISUAL
196.47	10	SS			8-14-13 (moist)								14.0			VISUAL
	11	ST			SHELBY TUBE (moist)	8.2	10.1	13.0	46.0	22.7	22	5	13.0	498	2095	A-4a
	12	SS			15-20-25 (moist)											VISUAL
	13	SS			13-17-19 (moist)											VISUAL
	14	SS		Very stiff to hard gray SANDY SILT, some clay, little gravel, trace shale.	15-21-23 (moist)								13.0			VISUAL
	15	SS			35-50/127mm (moist)											VISUAL
	16	SS			50/127mm (moist)											VISUAL
187.66	17	SS		End of test hole at 16.43m.	50/127mm (moist)											VISUAL

LOG OF TEST BORING

SOLAR TESTING LABORATORIES, INC.

STL PROJECT NO: A96529x10

PROJECT: Geotech. Invest. - LAK-528-11.024		CLIENT: McCoy Associates, Inc.		BORING: B-2												
LOCATION: Sta. 3+223.97, 4.57 m Rt., Madison, Lake County, OH		DATE STARTED: 6-14-1996		DATE COMPLETED: 6-14-1996												
DRILLING METHOD: Hollow Stem Auger		SURFACE ELEVATION: 204.05 m		WATER ENCOUNTER: 202.37 m												
ELEV. ON COMPLETION: None		WATER ENCOUNTER: 202.37 m		COMPLETION: None												
ELEV. (METERS)	DEPTH (METERS)	SAMPLE TYPE	WATER	SOIL DESCRIPTION	SPLIT - BARREL PENETRATION blows/0.15 m	AGG. %	COARSE SAND %	FINE SAND %	SILT %	CLAY %	LIQUID LIMIT %	PLASTICITY INDEX %	MOISTURE CONTENT %	UNCONF. COMP. STRENGTH (kpa)	DRY UNIT WEIGHT (kg/m <sup>3</sup> )	SOIL CLASSIFICATION
203.57				178mm ASPHALT, 305mm LIMESTONE BASE.												
	1	SS	W	Brown SAND, little silt, trace gravel, some wood fragments. (Fill)	2- 1- 1 (wet)								19.4			VISUAL
201.61	2	SS			4- 6- 7 (sat.)											VISUAL
	3	SS			3- 5- 8 (sat.)	0.7	3.8	92.3	3.2				23.3			A-3
	4	SS		Medium dense to dense gray FINE SAND, some silt, little gravel.	12-15-17 (sat.)								20.8			VISUAL
	5	SS			4- 7-12 (sat.)								28.0			VISUAL
	6	SS			7-10-11 (sat.)											VISUAL
	7	SS			11-17-28 (sat.)								23.5			VISUAL
197.04	8	SS			8- 8-10 (moist)								14.0			VISUAL
	9	SS			9-15-16 (moist)								14.0			VISUAL
	10	SS			13-16-19 (moist)								12.3			VISUAL
	11	SS			12-16-18 (moist)	8.6	11.9	13.9	45.2	20.4	22	4	12.4			A-4a
	12	SS		Very stiff to hard gray SANDY SILT, some clay, little gravel, trace shale fragments, few fine sand partings.	43-50/76mm (moist)											VISUAL
	13	SS			50/102mm (moist)											VISUAL
	14	SS			50/76mm (moist)											VISUAL
187.68	15	SS		End of test hole at 16.37m.	50/51mm (moist)											VISUAL



DATE 07-25-96  
REVIEWED HMK  
DRAWN HND

DESIGNED  
CHECKED BAF

STRUCTURE FOUNDATION INVESTIGATION  
BRIDGE NO. LAK-528-11.024  
OVER McMACKIN CREEK

LAK-528-11.024

