HOLE NO.	STA. & SURFACE ELEV.	HOLE DEPTH FROM FT.	HOLE DEPTH TO FT.	DESCRIPTION OF MATERIALS	SAMPLE USCS	SAMPLE N	SAMPLE MC.	SAMPLE TYPE BIT USED	SAMPLE NO.	SAMPLE FROM FT.	SAMPLE TO FT.	RQD.	REC. %
11		0	2.5	Brn sand, silty. bricks (SM) Fill	SM	20			1	0	1.5		
		2.5	12	Brn clay, silty. firm to v stiff. moist. (CL) Lacustrine	SM	5			2	1.5	3		
					CL	7			3	3	4.5		
					CL	6			4	4.5	6		
					CL	20			5	6	7.5		
					CL	29			6	7.5	9		
					CL	14			7	9	10.5		
					CL	23			8	10.5	12		
12		0	12	Brn clay, silty. firm. moist. m.p.tr f sand. oc lenses w/20% f sand and sat at 11 to 12 ft. (CL) Lacustrine	CL	5			1	0	1.5		
					CL	6			2	1.5	3		
					CL	9			3	3	4.5		
					CL	16			4	4.5	6		
		12	13.5	Brn clay, silty. soft. moist. sl.p. 20% organic (plant) matter. (CL) Lacustrine	CL	6			5	6	7.5		
					CL	11			6	7.5	9		
					CL	5			7	9	10.5		
		13.5	15	Brn clay, silty. soft. v moist. sl p. 15% med to co sand. (CL) Lacustrine	CL	7			8	10.5	12		
					CL	2			9	12	13.5		
					CL	4			10	13.5	15		
		15	25.5	Gray-brn clay, silty. stiff. moist. sl.p. oc co sand. (CL) Lacustrine	CL	11			11	15	16.5		
					CL	11			12	16.5	18		
					CL	8			13	18	19.5		
					CL	9			14	19.5	21		
					CL	9			15	21	22.5		
					CL	10			16	22.5	24		
					CL	10			17	24	25.5		
					CL	Shelby			U1	9	11		
					CL	Shelby			U2	12	14		
13		0	16	Brn clay, silty. firm to stiff. moist to 12. v moist at 12ft. m p. W T at 14.5ft. (CL) Lacust.	CL	6			1	0	1.5		
					CL	9			2	1.5	3		
					CL	11			3	3	4.5		
					CL	13			4	4.5	6		
		16	25.5	Gray clay, silty. soft to firm. sat. sl p to 16.5 ft. m p below 16.5ft. (CL) Lacustrine	CL	11			5	6	7.5		
					CL	10			6	7.5	9		
					CL	10			7	9	10.5		
					CL	5			8	10.5	12		
					CL	8			9	12	13.5		
					CL	7			10	13.5	15		
					CL	2			11	15	16.5		
					CL	5			12	16.5	18		
					CL	3			13	18	19.5		
					CL	5			14	19.5	21		
					CL	6			15	21	22.5		
					CL	9			16	22.5	24		
					CL	12			17	24	25.5		
					CL	Shelby			U1	6	8		
					CL	Shelby			U2	15	17		
14		0	15	Brn clay, silty. form to stiff. m p. moist. tr f to med sand. W T at 12ft. (CL) Lac.	CL	4			1	0	1.5		
					CL	8			2	1.5	3		
					CL	16			3	3	4.5		
		15	22.3	Gray clay, silty. stiff. m p. moist to sat. (CL) Lacustrine	CL	28			4	4.5	6		
					CL	12			5	6	7.5		
					CL	14			6	7.5	9		
		22.3	22.5	Gray sand, clayey. med to co sand. 15% fines. moist. (SC) Lacustrine	CL	5			7	9	10.5		
					CL	6			8	10.5	12		
					CL	5			9	12	13.5		
		22.5	22.5	Gray clay, silty. firm. moist. sl p. scat crushed shell fragments. (CL) Lacustrine	CL	6			10	13.5	15		
					CL	5			11	15	16.5		
					CL	7			12	16.5	18		
					CL	4			13	18	19.5		
					CL	5			14	19.5	21		
					CL	4			15	21	22.5		
					CL	7			16	22.5	24		
					CL	9			17	24	25.5		
					CL	5			18	25.5	27		
					CL	7			19	27	28.5		
					CL	9			20	28.5	30		
					CL	Shelby			U1	6	8		
					CL	Shelby			U2	18	20		
16		0	10.5	Brn clay, silty. firm to stiff. moist. m p. red-brn at 9 to 10.5ft. (CL) Lacustrine	CL	4			1	0	1.5		
					CL	7			2	1.5	3		
					CL	9			3	3	4.5		
		10.5	2	Gray clay, silty. firm. h p. moist. horizontal laminated. W T at 13ft. (CL) Lacustrine	CL	10			4	4.5	6		
					CL	7			5	6	7.5		
					CL	6			6	7.5	9		
					CL	11			7	9	10.5		
					CL	27			8	10.5	12		
					CL	22			9	12	13.5		
					CL	7			10	13.5	15		
					CL	7			11	15	16.5		
					CL	9			12	16.5	18		
					CL	5			13	18	19.5		
					CL	6			14	19.5	21		
101		0	1	Drk brn clay, silty. (CL)									
		1	10	Brn clay, silty. sl moltyed w/gray. stiff. m p. sl moist to 8ft. moister and firm below 8ft. soft at 10ft. (CL) Lacustrine .						3	9	lg	

HOLE NO.	STA. & SURFACE ELEV.	HOLE DEPTH FROM FT.	HOLE DEPTH TO FT.	DESCRIPTION OF MATERIALS	SAMPLE USCS	SAMPLE N	SAMPLE MC.	SAMPLE TYPE BIT USED	SAMPLE NO.	SAMPLE FROM FT.	SAMPLE TO FT.	RQD.	REC. %
102		0	0.5	Drk brn clay, silty. (CL)									
		0.5	10	Brn sl mot clay, silty. stiff to v stiff. sl moist to 7ft. moister at 7 to 10ft., but not sat. soft at 10ft. tr. f mica at 7ft. (CL) Lacustrine.									
103		0	11.5	Brn sl mot clay, silty. stiff to v stiff. m p. sl moist to 5ft. stiff and moister below 5ft. ,but not sat. tr f mica. (CL) Lacustrine						3	9		lg
104		0	10.5	Brn mot clay, silty. firm. mist. m p. num v stiff, stiff at 5 to 8ft. firm and moister, but not sat at 8ft. soft below 8ft. (CL) Lacustrine						5	8		sm
105		0	10.5	Brn mot clay, silty. firm to stiff. most. but not sat below 8ft. (CL) Lacustrine						2	8		sm
106		0	10	Brn mot clay, silty. stiff. m p. moist. soft and v moist, but not sat below 8ft (CL) Lacustrine						2	8		sm
111		0	10	Brn clay, silty. soft. sl p. moist. (CL) Lacustrine						3	5		sm
										7	9		sm
112		0	10	Brn clay, silty. soft. sl p. moist. (CL) Lacustrine						3	5		sm
										7	9		sm
113		0	10	Brn clay, silty. soft. sl p. v moist. (CL) Lacustrine						3	5		sm
										6	9		sm
114		0	10	Brn clay, silty. soft. sl p. v moist. (CL) Lacustrine						3	5		sm
										7	9		sm
116		0	10	Brn clay, silty. firm. sl p. moist. (CL) Lacustrine						3	5		sm
										7	9		sm

NOTE: All samples consist of 2 jars per sample.

UNIFIED SOIL CLASSIFICATION SYSTEM SYMBOLS

CL = Clays of low to medium plasticity.
SM = Silty sands; sand silt mixture.
SC = Clayey sands; sands of low to medium plasticity. sand or gravely clay.

ABBREVIATIONS USED ON LOGS

blk = black		sat	= saturated
brn = brown		scat.	= scratch
co = coarse		sl	= slightly plastic
drk = dark		sl.p.	= slightly plastic
f = fine		tr.	= trace
h.p. = highly plastic		v.	= very
lac. = lacustrine		WT	= Water Table
med. = medium plastic			
mot. = mottled			
m.p. = medium plastic			
num. = numerous			
plas = plastic			
oc = occasional			

WATERSHED
WILLS CREEK WATERSHED

LOCATION
GUERNSEY CO.

LOGGED BY
HENERY FISHER

DRILLING EQUIPMENT
MOBILE B 41C

DATE
4/10/89

SUBWATERSHED

SITE NO.
SOUTHGATE DIKE, CITY OF CAMBRIDGE

OWNER

STATE
OHIO

PROJECT:
WP-07 ____ WF-08 X FP-03 ____ PL-46 ____

LOCATION OF HOLES

11/11/92

LOG OF BORINGS
SOUTHGATE DIKE, CITY OF CAMBRIDGE
WILLS CREEK WATERSHED (PL-566)
GUERNSEY CO., OHIO

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed R. S. YEOMAN Date 6/90
Drawn C. W. McGUIRE 6/90
Traced
Checked T. L. RUCH 6/90
Approved by
Title
Title
Sheet No. 9 of 9
Drawing No. OH-870107

5,E-34,1-1

OHIO SCS DESIGN SECTION "O"