

APPENDIX G
SOIL PROFILES

SOIL PROFILE

Block 1, N515 E493, West Wall

Date: October 8, 2003

County: New Castle, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: Site 7NC-B-54 (Ronald McDonald House)

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
OA / 0-11.0 cm (0-4.3 in)	7.5YR 2.5/2 very dark brown		silt loam, with 30% organics	weak medium granular	friable	clear, wavy	
E / 11.0-36.0 cm (4.3-14.2 in)	10YR 5/4 yellowish brown		silt loam	moderate fine subangular blocky	friable	clear, smooth	eluvial matrix, stripped of sesquioxides
Bt / 36.0-67.0 cm (14.2-26.4 in)	7.5YR 5/6 strong brown		silty clay loam	strong fine angular blocky	firm	clear, smooth	moderate, medium 7.5YR 5/4 brown clay films
Btx / 67.0-143.0 cm (26.4-56.3 in)	7.5YR 5/4 brown	7.5YR 4/3 brown N 2/0 black	silty clay loam, with 10% rock fragments	moderate medium prismatic	very firm, brittle	abrupt	moderate, medium 7.5YR 5/4 brown clay films
C / 143.0-164.0 cm+ (56.3-64.6 in+)	5YR 5/6 yellowish red		very channery clay loam, with 50% rock fragments	weak medium blocky	firm		

Additional Notes: Upland context, well developed profile forming in weathering gabbro and diabase bedrock. Profile viewed from excavation to 78.0 cm (30.7 in); remainder viewed from auger boring.

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SOIL PROFILE

Block 3, N524 E438, South Wall

Date: October 8, 2003

County: New Castle, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: Site 7NC-B-54 (Ronald McDonald House)

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
OA / 0-8.0 cm (0-3.2 in)	7.5YR 2.5/2 very dark brown		silt loam, with 30% organics	weak medium granular	friable	clear, wavy	
E / 8.0-30.0 cm (3.2-11.8 in)	10YR 5/4 yellowish brown		silt loam	moderate fine subangular blocky	friable	clear, smooth	eluvial matrix, stripped of sesquioxides
Bt / 30.0-58.0 cm (11.8-22.8 in)	7.5YR 5/6 strong brown		silty clay loam	strong fine angular blocky	firm	clear, smooth	moderate, medium 7.5YR 5/4 brown clay films
Btx / 58.0-89.0 cm (22.8-35.0 in)	7.5YR 5/4 brown	7.5YR 4/3 brown N 2/0 black	silty clay loam, with 3% coarse fragments	moderate medium prismatic	very firm, brittle	abrupt	moderate, medium 7.5YR 5/4 brown clay films
CR / 89.0 cm+ (35.0 in+)			weathered diabase bedrock				

Additional Notes: Upland context, well developed profile forming in weathered gabbro and diabase bedrock. Profile viewed from excavation to 81.0 cm (31.9 in); remainder viewed from auger boring.

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