

APPENDIX B
SOIL PROFILES

SOIL PROFILE

Auger Boring 1

Date: July 15, 2004

County: Sussex County, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: U.S. 13/U.S. 13A/Road 46 Intersection Improvements

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
A / 0-8.0 cm (0-3.2 in)	10YR 4/2 Dark grayish brown		sandy loam	very weak coarse granular	very friable	clear	
E / 8.0-30.0 cm (3.2-11.8 in)	10YR 5/3 Brown		loamy sand	very weak coarse granular	very friable	clear	
Bw / 30.0-40.0 cm+ (11.8-15.8 in+)	7.5YR 5/3 Brown		sandy loam	weak medium blocky	compacted, brittle		auger refusal due to density

Additional Notes: Upland context, within tree/fence line; moderately well developed profile forming in coastal plain sediments, compacted subsoil.

**SKELLY AND LOY, INC.
ENGINEERS-CONSULTANTS
MONROEVILLE and HARRISBURG, PA**

SOIL PROFILE

Auger Boring 2

Date: July 15, 2004

County: Sussex County, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: U.S. 13/U.S. 13A/Road 46 Intersection Improvements

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-25.0 cm (0-9.8 in)	10YR 5/2 Grayish brown		sandy loam	very weak coarse granular	very friable	clear	
E / 25.0-30.0 cm (9.8-11.8 in)	10YR 6/3 Pale brown		loamy sand	very weak coarse granular	very friable	clear	
Bw / 30.0-40.0 cm+ (11.8-15.8 in+)	7.5YR 5/3 Brown		sandy loam	weak medium blocky	compacted, brittle		auger refusal due to density

Additional Notes: Upland context, within tree/fence line; moderately well developed profile forming in coastal plain sediments, compacted subsoil.

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SOIL PROFILE

Auger Boring 3

Date: July 15, 2004

County: Sussex County, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: U.S. 13/U.S. 13A/Road 46 Intersection Improvements

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
mixed fill / 0-35.0 cm (0-13.8 in)	10YR 5/3 Brown 10YR 6/3 Pale brown		loamy sand, mixed with fine gravels	single grained	loose	clear	mixed fill
Bw / 35.0-40.0 cm+ (13.8-15.8 in+)	7.5YR 5/3 Brown		sandy loam	weak medium blocky	compacted, dense		auger refusal due to density

Additional Notes: Upland context, within tree/fence line; moderately well developed profile forming in coastal plain sediments, surface was truncated and covered with fill, compacted subsoil.

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