APPENDIX B

SOIL PROFILES

SOIL PROFILE
Auger Boring 1

Date: January 12, 2005
Soil Description By: M.G. Sams, CPSS

County: Sussex County, Delaware
Project Location: Bridge 362 at Chipman's Pond

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
C1/0-75.0 cm (0-29.5 in)	10YR 5/3 Brown		sandy loam, with fine limestone fragments	single grained	loose	abrupt	fill
2C2g/75.0-100.0 cm+ (29.5-39.4 in+)	10YR 4/1 Dark gray		highly organic sandy loam	massive	plastic, slightly flowing		saturated

Additional Notes: Originally a broad wetland basin; gleyed organic sandy sediments covered with 75.0 cm (29.5 in) of roadbed fill.

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SOIL PROFILE
Auger Boring 2

Date: January 12, 2005
Soil Description By: M.G. Sams, CPSS

County: Sussex County, Delaware
Project Location: Bridge 362 at Chipman's Pond

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
C1/0-45.0 cm (0-17.7 in)	10YR 5/2 Grayish brown		sandy loam, with fine limestone fragments	single grained	loose	abrupt	fill
2C2g/45.0-100.0 cm+ (17.7-39.4 in+)	10YR 4/1 Dark gray		highly organic sandy loam	massive	plastic, slightly flowing		saturated

Additional Notes: Originally a broad wetland basin; gleyed organic sandy sediments covered with 45.0 cm (17.7 in) of roadbed fill.

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SOIL PROFILE
Auger Boring 3

Date: January 12, 2005
Soil Description By: M.G. Sams, CPSS

County: Sussex County, Delaware
Project Location: Bridge 362 at Chipman's Pond

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
C1/0-8.0 cm (0-3.2 in)	10YR 4/2 Dark grayish brown		loamy sand, with fine quartz gravels and concrete fragments	single grained	loose	abrupt	
C2/8.0-55.0 cm+ (3.2-21.7 in+)	10YR 5/3 Brown		loamy sand, with fine concrete fragments	single grained	loose		auger refusal below 55.0 cm (21.7 in) due to larger concrete fragments

Additional Notes: Originally a broad wetland basin; modern sediments over coarse fill.

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