APPENDIX C

SOIL PROFILES

SOIL PROFILE
Auger Boring 1

Date: December 13, 2002
Soil Description By: M.G. Sams, CPSS

County: Kent County, Delaware
Project Location: S.R. 15 (Canterbury Road)

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-22.0 cm (0-8.7 in)	10YR 4/2 Dark grayish brown		sandy loam	weak medium granular	very friable	abrupt	
Bt1 / 22.0-35.0 cm (8.7-13.8 in)	10YR 5/4 Yellowish brown		sandy clay loam	moderate medium subangular blocky	friable	clear	
Bt2 / 35.0-76.0 cm (13.8-29.9 in)	7.5YR 5/6 Strong brown		sandy clay loam, with 5% fine gravels	moderate medium subangular blocky	friable	abrupt	
@ 76.0 cm (29.9 in)	auger refusal due to high gravel content						

Additional Notes: Upland position; well developed profile of sandy coastal plain sediments.

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SOIL PROFILE
Auger Boring 2

Date: December 13, 2002
Soil Description By: M.G. Sams, CPSS

County: Kent County, Delaware
Project Location: S.R. 15 (Canterbury Road)

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-26.0 cm (0-10.2 in)	10YR 4/2 Dark grayish brown		sandy loam	weak medium granular	very friable	abrupt	
Bt1 / 26.0-45.0 cm (10.2-17.7 in)	10YR 5/4 Yellowish brown		sandy clay loam	moderate medium subangular blocky	friable	clear	
Bt2 / 45.0-75.0 cm (17.7-29.5 in)	7.5YR 5/6 Strong brown		sandy clay loam	moderate medium subangular blocky	friable	clear	
C / 75.0-100.0 cm+ (29.5-39.4 in+)	10YR 5/6 Yellowish brown		sand	single grained	loose		

Additional Notes: Upland position; well developed profile of sandy coastal plain sediments.

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SOIL PROFILE
Auger Boring 3

Date: December 13, 2002
Soil Description By: M.G. Sams, CPSS

County: Kent County, Delaware
Project Location: S.R. 15 (Canterbury Road)

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-26.0 cm (0-10.2 in)	10YR 4/2 Dark grayish brown		sandy loam	weak medium granular	very friable	abrupt	
Bt1 / 26.0-65.0 cm (10.2-25.6 in)	10YR 5/4 Yellowish brown		sandy clay loam	moderate medium subangular blocky	friable	clear	
Bt2 / 65.0-85.0 cm (25.6-33.5 in)	7.5YR 5/6 Strong brown		sandy clay loam	moderate medium subangular blocky	friable	clear	
C / 85.0-100.0 cm+ (33.5-39.4 in+)	10YR 5/6 Yellowish brown		sand	single grained	loose		

Additional Notes: Upland position; well developed profile of sandy coastal plain sediments.

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SOIL PROFILE
Auger Boring 4

Date: December 13, 2002
Soil Description By: M.G. Sams, CPSS

County: Kent County, Delaware
Project Location: S.R. 15 (Canterbury Road)

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-22.0 cm (0-8.7 in)	10YR 4/2 Dark grayish brown		sandy loam	weak medium granular	very friable	abrupt	
Bt1 / 22.0-40.0 cm (8.7-15.8 in)	10YR 5/4 Yellowish brown		sandy clay loam	moderate medium subangular blocky	friable	clear	
Bt2 / 40.0-71.0 cm (15.8-28.0 in)	7.5YR 5/6 Strong brown		sandy clay loam	moderate medium subangular blocky	friable	clear	
C / 71.0-100.0 cm+ (28.0-39.4 in+)	10YR 5/6 Yellowish brown		sand	single grained	loose		

Additional Notes: Upland position; well developed profile of sandy coastal plain sediments.

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SOIL PROFILE
Auger Boring 5

Date: December 13, 2002
Soil Description By: M.G. Sams, CPSS

County: Kent County, Delaware
Project Location: S.R. 15 (Canterbury Road)

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-25.0 cm (0-9.8 in)	10YR 4/2 Dark grayish brown		sandy loam	weak medium granular	very friable	abrupt	
Bt1 / 25.0-65.0 cm (9.8-25.6 in)	10YR 5/3 Brown		heavy loamy sand	weak medium subangular blocky	friable	clear	
Bt2 / 65.0-100.0 cm+ (25.6-39.4 in+)	7.5YR 5/6 Strong brown		sandy clay loam, with coarse sand particles	moderate medium subangular blocky	friable	clear	

Additional Notes: Upland position; well developed profile of sandy coastal plain sediments.

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