

APPENDIX B
SOIL PROFILES

SOIL PROFILE

Test Area 1, STP 1-4

Date: March 8, 2004

County: New Castle, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: School Bell Road

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-41.0 cm (0-16.1 in)	10YR 4/4 Dark yellowish brown		gravelly silt loam, with 15% gravels and glass fragments	weak coarse granular	friable	clear, smooth	fill mixed in
Bt / 41.0-51.0 cm+ (16.1-20.1 in+)	10YR 6/6 Brownish yellow		sandy clay loam	moderate medium subangular blocky	firm		

Additional Notes: Broad uplands position; well developed, well drained profile of coastal plain sediments. Thick surface has fill incorporated into entire horizon.

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SOIL PROFILE

Test Area 1, STP 1-7.2

Date: March 8, 2004

County: New Castle, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: School Bell Road

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-26.0 cm (0-10.2 in)	10YR 4/3 Brown		loam, with fine gravels	weak coarse granular	friable	clear, smooth	
Bt/26.0-46.0 cm+ (10.2-18.1 in+)	10YR 5/6 Yellowish brown		sandy clay loam	moderate medium subangular blocky	firm		

Additional Notes: Broad uplands position; well developed, well drained profile of coastal plain sediments.

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SOIL PROFILE

Test Area 1, Test Unit A

Date: March 10, 2004
 Soil Description By: M.G. Sams, CPSS

County: New Castle, Delaware
 Project Location: School Bell Road

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-15.0 cm (0-5.9 in)	10YR 4/4 Dark yellowish brown		loam	weak coarse granular	friable	clear, smooth	
Bt / 15.0-35.0 cm+ (5.9-13.8 in+)	10YR 5/6 Yellowish brown		sandy clay loam	moderate medium subangular blocky	firm		

Additional Notes: Broad uplands position; well developed, well drained profile of coastal plain sediments.

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SOIL PROFILE

Test Area 2, STP N30 E90

Date: March 7, 2004

County: New Castle, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: School Bell Road

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-36.0 cm (0-14.2 in)	10YR 4/4 Dark yellowish brown		fine sandy loam	weak coarse granular	friable	clear, smooth	
Bt / 36.0-46.0 cm+ (14.2-18.1 in+)	10YR 5/6 Yellowish brown		sandy clay loam	moderate medium subangular blocky	firm		

Additional Notes: Broad uplands position; well developed, well drained profile of coastal plain sediments.

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SOIL PROFILE

Test Area 3, STP 3-19

Date: March 8, 2004

County: New Castle, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: School Bell Road

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-36.0 cm (0-14.2 in)	10YR 4/4 Dark yellowish brown		fine sandy loam	weak coarse granular	friable	clear, smooth	
Bt / 36.0-46.0 cm+ (14.2-18.1 in+)	10YR 5/6 Yellowish brown		sandy clay loam	moderate medium subangular blocky	firm		

Additional Notes: Broad uplands position; well developed, well drained profile of coastal plain sediments.

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SOIL PROFILE

Test Area 4, STP N615 E210

Date: March 9, 2004

County: New Castle, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: School Bell Road

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-41.0 cm (0-16.1 in)	10YR 4/4 Dark yellowish brown		fine sandy loam	weak coarse granular	friable	clear, smooth	
Bt / 41.0-51.0 cm+ (16.1-20.1 in+)	10YR 5/6 Yellowish brown		sandy clay loam	moderate medium subangular blocky	firm		

Additional Notes: Broad uplands position; well developed, well drained profile of coastal plain sediments.

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SOIL PROFILE

Test Area 5, STP N600 E195

Date: March 9, 2004

County: New Castle, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: School Bell Road

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-41.0 cm (0-16.1 in)	10YR 4/4 Dark yellowish brown		fine sandy loam	weak coarse granular	friable	clear, smooth	
Bt / 41.0-51.0 cm+ (16.1-20.1 in+)	10YR 5/6 Yellowish brown		sandy clay loam	moderate medium subangular blocky	firm		

Additional Notes: Broad uplands position; well developed, well drained profile of coastal plain sediments.

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SOIL PROFILE

Test Area 5, STP N90 E90

Date: March 8, 2004

County: New Castle, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: School Bell Road

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-32.0 cm (0-12.6 in)	10YR 4/4 Dark yellowish brown		fine sandy loam	weak coarse granular	friable	clear, smooth	
Bt / 32.0-42.0 cm+ (12.6-16.5 in+)	10YR 5/6 Yellowish brown		sandy clay loam	moderate medium subangular blocky	firm		

Additional Notes: Broad uplands position; well developed, well drained profile of coastal plain sediments.

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SOIL PROFILE

Test Area 6, STP 6-7

Date: March 7, 2004

County: New Castle, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: School Bell Road

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-19.0 cm (0-7.5 in)	10YR 4/3 Brown		fine sandy loam	weak coarse granular	friable	clear, smooth	
Bt / 19.0-29.0 cm+ (7.5-11.4 in+)	10YR 5/6 Yellowish brown		sandy clay loam	moderate medium subangular blocky	firm		

Additional Notes: Broad uplands position; well developed, well drained profile of coastal plain sediments.

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SOIL PROFILE

Test Area 6, Test Unit B

Date: March 10, 2004

County: New Castle, Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: School Bell Road

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-18.0 cm (0-7.1 in)	10YR 4/4 Dark yellowish brown		fine sandy loam	weak coarse granular	friable	clear, smooth	
Bt / 18.0-38.0 cm+ (7.1-15.0 in+)	10YR 5/6 Yellowish brown		sandy clay loam	moderate medium subangular blocky	firm		

Additional Notes: Broad uplands position; well developed, well drained profile of coastal plain sediments.

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