

APPENDIX B
SOIL PROFILES

SOIL PROFILE

STP N642 E435

Date: April 9, 2008

County: Sussex Co., Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: S.R. 54, SWM Areas 1, 2, 3, & 4, Test Area A

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap/0-27 cm (0-11 in)	10YR 4/2 dark grayish brown		sandy loam	weak medium granular	friable	clear, smooth	
Bt/27-37 cm+ (11-15 in+)	10YR 6/8 brownish yellow		sandy clay loam	moderate medium subangular blocky	friable		

Additional Notes: Upland area; well developed and well drained coastal plain sediments.

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SOIL PROFILE

STP N615 E330

Date: April 9, 2008

County: Sussex Co., Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: S.R. 54, SWM Areas 1, 2, 3, & 4, Test Area A

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Fill 1/0-27 cm (0-11 in)	10YR 5/4 yellowish brown		sandy loam, with 35% fine gravels	single grained	loose	abrupt, smooth	graded fill
Ap/27-46 cm (11-18 in)	10YR 3/2 very dark grayish brown		sandy loam	weak medium granular	friable	clear, smooth	
Bg/46-56 cm+ (18-22 in+)	10YR 7/1 light gray	common: 10YR 7/8 yellow 10YR 8/1 white	sandy loam	weak medium subangular blocky	plastic, slightly flowing		gleyed

Additional Notes: Upland area; poorly drained coastal plain sediments.

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SOIL PROFILE

STP N630 E375

Date: April 9, 2008

County: Sussex Co., Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: S.R. 54, SWM Areas 1, 2, 3, & 4, Test Area A

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Fill 2/0-23 cm (0-9 in)	10YR 5/4 yellowish brown		sandy loam, with thin lens of sand (fill)	single grained	loose	abrupt, smooth	graded fill
Ap/23-45 cm (9-18 in)	10YR 3/2 very dark grayish brown		sandy loam	weak medium granular	friable	clear, smooth	
Bg/45-55 cm+ (18-22 in+)	10YR 7/1 light gray	common: 10YR 7/8 yellow 10YR 8/1 white	sandy loam	weak medium subangular blocky	plastic, slightly flowing		gleyed

Additional Notes: Upland area; poorly drained coastal plain sediments.

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SOIL PROFILE

STP N540 E315

Date: April 9, 2008

County: Sussex Co., Delaware

Soil Description By: M.G. Sams, CPSS

Project Location: S.R. 54, SWM Areas 1, 2, 3, & 4, Test Area B

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap/0-27 cm (0-11 in)	10YR 4/1 dark gray		sandy loam	weak medium granular	friable	clear, smooth	
Bg/27-37 cm+ (11-15 in+)	10YR 5/1 gray		sandy loam	massive	plastic, slightly flowing		gleyed

Additional Notes: Upland area; poorly drained coastal plain sediments.

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