

**APPENDIX A**  
**SOIL PROFILES**

# SOIL PROFILE

## STP N150 E150

**Date:** October 24, 2004

**County:** Sussex County, Delaware

**Soil Description By:** M.G. Sams, CPSS

**Project Location:** Parking Lot Test Area

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-31.0 cm (0-12.2 in)	10YR 4/4 Dark yellowish brown		sandy loam	weak medium granular	friable	abrupt	
Bw / 31.0-41.0 cm+ (12.2-16.1 in+)	10YR 5/6 Yellowish brown		sandy loam	weak medium blocky	friable		

**Additional Notes:** Upland area; relatively undisturbed soil profile forming in coastal plain sediments.

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

# SOIL PROFILE

## STP N240 E195

**Date:** October 23, 2004

**County:** Sussex County, Delaware

**Soil Description By:** M.G. Sams, CPSS

**Project Location:** SWM #1 Test Area

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-23.0 cm (0-9.1 in)	10YR 4/4 Dark yellowish brown		sandy loam	weak medium granular	friable	abrupt	
Bw / 23.0-33.0 cm+ (9.1-13.0 in+)	10YR 5/6 Yellowish brown		sandy loam	weak medium blocky	friable		

**Additional Notes:** Upland area; relatively undisturbed soil profile forming in coastal plain sediments.

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

# SOIL PROFILE

## STP N225 E165

**Date:** October 23, 2004

**County:** Sussex County, Delaware

**Soil Description By:** M.G. Sams, CPSS

**Project Location:** SWM #1 Test Area

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-28.0 cm (0-11.0 in)	10YR 4/4 Dark yellowish brown		sandy loam	weak medium granular	friable	abrupt	
Bw / 28.0-38.0 cm+ (11.0-15.0 in+)	10YR 5/6 Yellowish brown		sandy loam	weak medium blocky	friable		

**Additional Notes:** Upland area; relatively undisturbed soil profile forming in coastal plain sediments.

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

# SOIL PROFILE

## STP N105 E135

**Date:** October 25, 2004

**County:** Sussex County, Delaware

**Soil Description By:** M.G. Sams, CPSS

**Project Location:** SWM #3 Test Area

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Modern Fill/ 0-16.0 cm (0-6.3 in)			Loam with bands of coarse sand				Styrofoam and aluminum foil present
Ap / 16.0-30.0 cm (6.3-11.8 in)	10YR 3/3 Dark brown		sandy loam	weak medium granular	friable	abrupt	
Bw / 30.0-40.0 cm+ (11.8-15.8 in+)	10YR 7/1 Light gray		sandy loam	weak medium blocky	friable		

**Additional Notes:** Upland area; relatively undisturbed soil profile forming in coastal plain sediments.

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

# SOIL PROFILE

## STP N165 E165

**Date:** October 21, 2004

**County:** Sussex County, Delaware

**Soil Description By:** M.G. Sams, CPSS

**Project Location:** SWM #4 Test Area

Horizon/Depth	SOIL COLOR		Texture	Structure	Consistence	Boundary	Comments
	Matrix	Mottling					
Ap / 0-27.0 cm (0-10.6 in)	10YR 4/3 Brown		sandy loam	weak medium granular	friable	abrupt	
Bw / 27.0-37.0 cm+ (10.6-14.6 in+)	10YR 5/8 Yellowish brown		sandy loam	weak medium blocky	friable		

**Additional Notes:** Upland area; relatively undisturbed soil profile forming in coastal plain sediments.

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