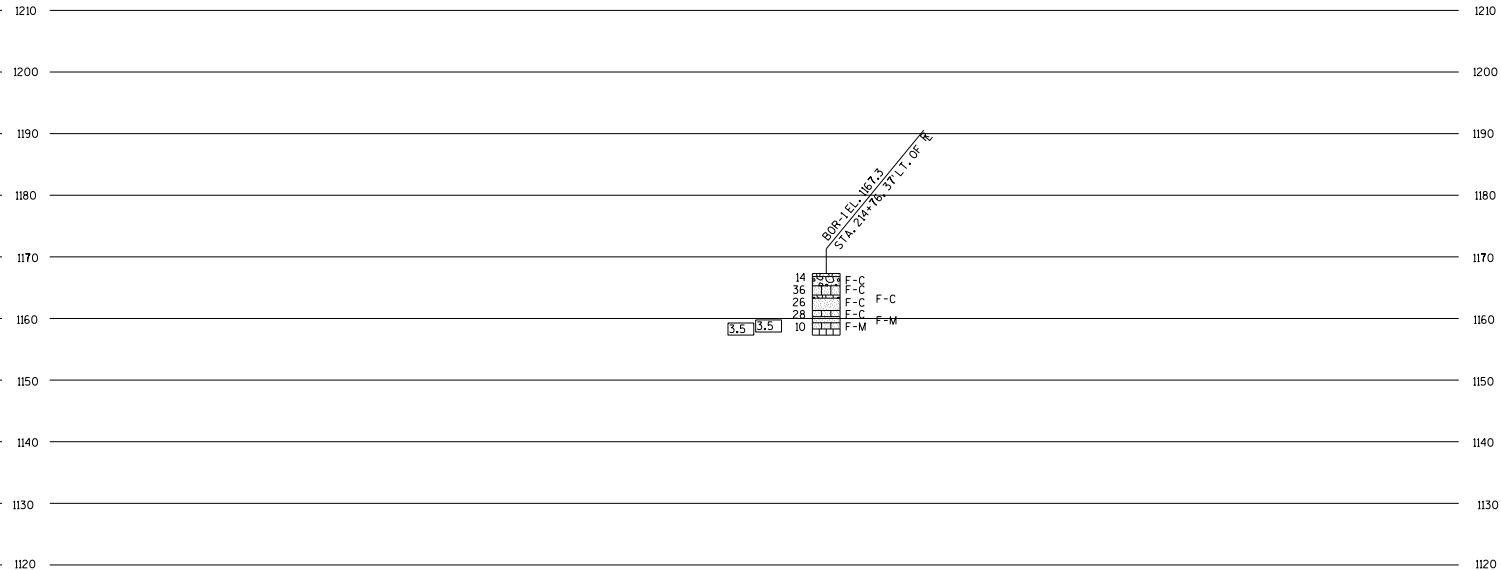
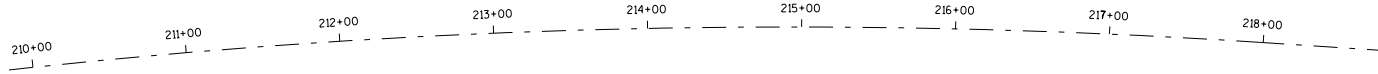


BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	11/07/2017	456953	741890

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DANE COUNTY
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT

BOR-1



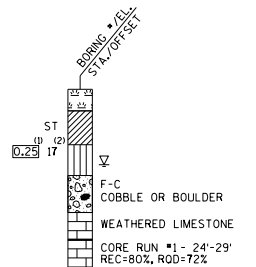
STATE PROJECT NUMBER

1204-08-33

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/META

LEGEND OF BORING



⁽¹⁾ UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSP)

⁽²⁾ UNLESS OTHERWISE SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

▽ AT TIME OF DRILLING

▽ END OF DRILLING

▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

PROJECT NO: 1204-08-33

HWY: USH 18/151

COUNTY: DANE

SOIL BORINGS

SHEET

E

FILE NAME : **....designfile....**

PLOT DATE : **...plottingdate...** PLOT BY : **...plotuser...** PLOT NAME :

PLOT SCALE : **....plotscale....**

WISDOT/CADDS SHEET

SCALE =

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
2	11/07/2017	452879	747692

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DANE COUNTY
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT

BOR-2

282+00

283+00

284+00

285+00

286+00

287+00

1210

1200

1190

1180

1170

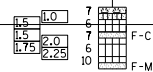
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1150

1140

1130

1120



PROJECT NO: I204-08-33

HWY: USH 18/151

COUNTY: DANE

SOIL BORINGS

SHEET

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PLOT DATE : \$\$...plottingdate...\$\$ PLOT BY : \$\$...plotuser...\$\$ PLOT NAME :

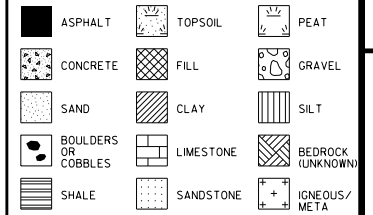
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WISDOT/CADDS SHEET

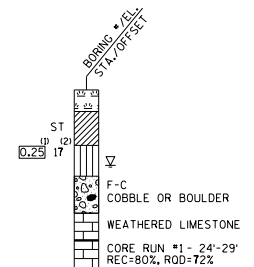
STATE PROJECT NUMBER

1204-08-33

MATERIAL SYMBOLS



LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (ITSP)

(2) UNLESS OTHERWISE SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

▽ AT TIME OF DRILLING

▽ END OF DRILLING

▽ AFTER DRILLING

ABBREVIATIONS

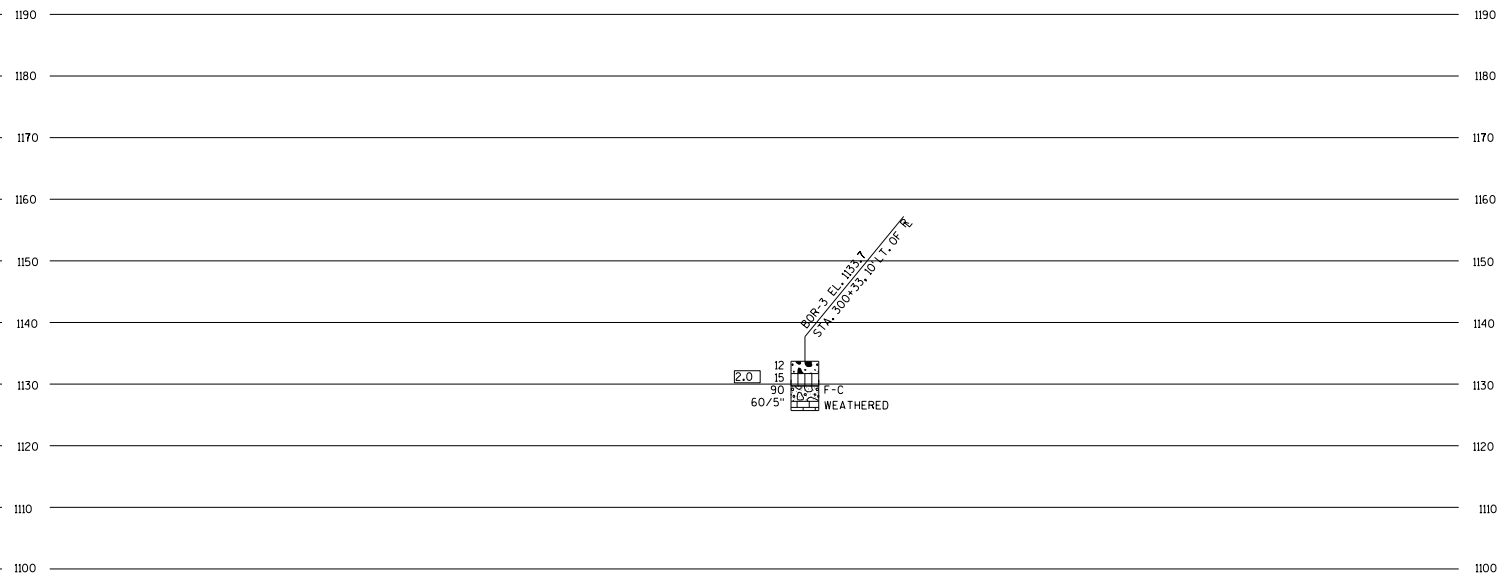
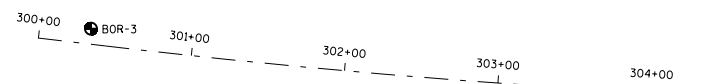
F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

BORING	DATE COMPLETED	NORTHING (Y)	EASTING (X)
3	11/07/2017	451261	751004

BORINGS COMPLETED BY: WISDOT
 REPORT COMPLETED BY: WISDOT
 ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DANE COUNTY
 COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT



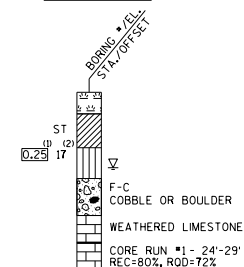
STATE PROJECT NUMBER

1204-08-33

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/META

LEGEND OF BORING



⁽¹⁾ UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSP)

⁽²⁾ UNLESS OTHERWISE SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

▽ AT TIME OF DRILLING
 ▽ END OF DRILLING
 ▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

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PROJECT NO: 1204-08-33

HWY: USH 18/151

COUNTY: DANE

SOIL BORINGS

SHEET

E

FILE NAME : **....designfile....**

PLOT DATE : **...plottingdate...** PLOT BY : **...plotuser...** PLOT NAME :

PLOT SCALE : **....plotscale....** WISDOT/CADDS SHEET

SCALE =

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
4	11/07/2017	451256	752802
5	11/07/2017	451260	752969
6	11/07/2017	451282	753503

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DANE COUNTY
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT



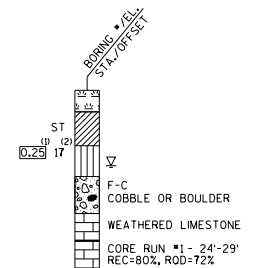
STATE PROJECT NUMBER

1204-08-33

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/META

LEGEND OF BORING



⁽¹⁾ UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSP)

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GROUND WATER ELEVATION

▽ AT TIME OF DRILLING

▽ END OF DRILLING

▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

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PROJECT NO: 1204-08-33

HWY: USH 18/151

COUNTY: DANE

SOIL BORINGS

SHEET

E

FILE NAME : **....designfile....**

PLOT DATE : **...plottingdate...** PLOT BY : **...plotuser...** PLOT NAME :

PLOT SCALE : **....plotscale....**

WISDOT/CADDS SHEET

SCALE =

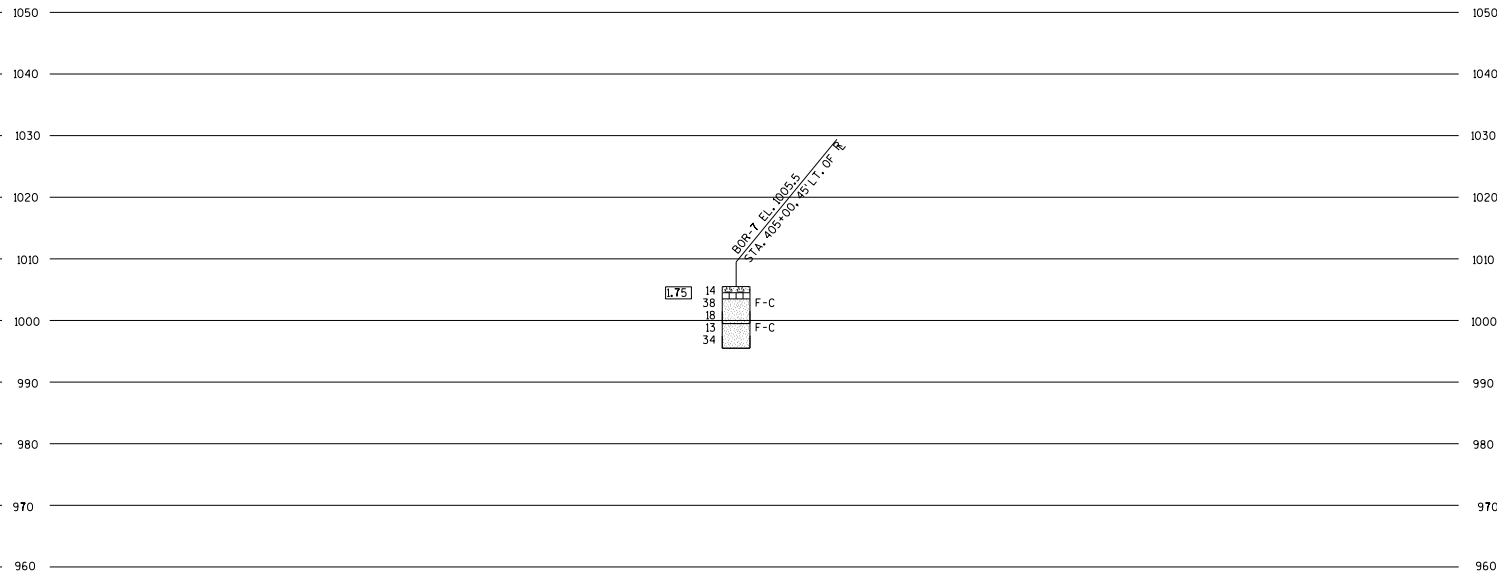
BORING	DATE COMPLETED	NORTHING (Y)	EASTING (X)
7	11/07/2017	451296	763348

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DANE COUNTY
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT



BOR-7

401+00 402+00 403+00 404+00 405+00 406+00 407+00 408+00 409+00



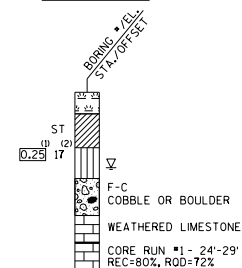
STATE PROJECT NUMBER

1204-08-33

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSP)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

▽ AT TIME OF DRILLING

▽ END OF DRILLING

▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

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PROJECT NO: 1204-08-33

HWY: USH 18/151

COUNTY: DANE

SOIL BORINGS

SHEET

E

FILE NAME : **....designfile....**

PLOT DATE : **...plottingdate...** PLOT BY : **...plotuser...** PLOT NAME :

PLOT SCALE : **....plotscale....**

WISDOT/CADDIS SHEET

SCALE =

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
8	11/07/2017	450898	770467
9	11/08/2017	450876	770874

BORINGS COMPLETED BY: WISDOT
 REPORT COMPLETED BY: WISDOT
 ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DANE COUNTY
 COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT



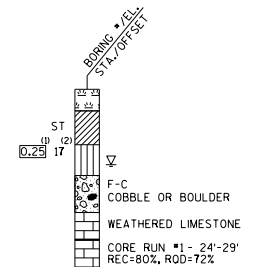
STATE PROJECT NUMBER

1204-08-33

MATERIAL SYMBOLS

	ASPHALT		TOPSOIL		PEAT
	CONCRETE		FILL		GRAVEL
	SAND		CLAY		SILT
	BOULDERS OR COBBLES		LIMESTONE		BEDROCK (UNKNOWN)
	SHALE		SANDSTONE		IGNEOUS/META

LEGEND OF BORING



⁽¹⁾ UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSP)

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GROUND WATER ELEVATION

▽ AT TIME OF DRILLING

▽ END OF DRILLING

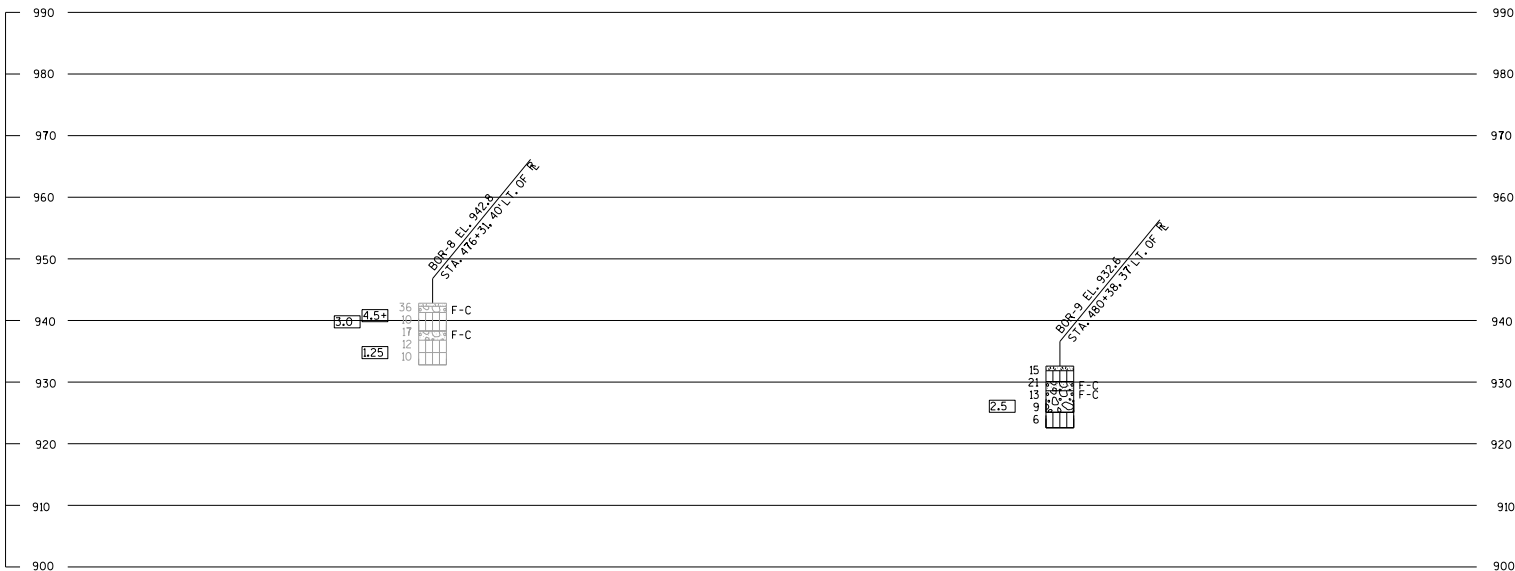
▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.



PROJECT NO: 1204-08-33

HWY: USH 18/151

COUNTY: DANE

SOIL BORINGS

SHEET

E

FILE NAME : **....designfile....**

PLOT DATE : **...plottingdate...** PLOT BY : **...plotuser...** PLOT NAME :

PLOT SCALE : **....plotscale....**

WISDOT/CADDS SHEET

SCALE =

BORING	DATE COMPLETED	NORTHING (Y)	EASTING (X)
10	11/08/2017	448468	774930

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DANE COUNTY
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT



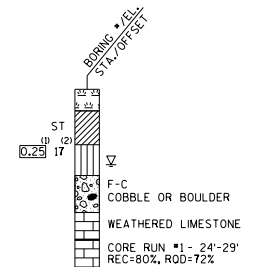
STATE PROJECT NUMBER

1204-08-33

MATERIAL SYMBOLS

	ASPHALT		TOPSOIL		PEAT
	CONCRETE		FILL		GRAVEL
	SAND		CLAY		SILT
	BOULDERS OR COBBLES		LIMESTONE		BEDROCK (UNKNOWN)
	SHALE		SANDSTONE		IGNEOUS/ META

LEGEND OF BORING



⁽¹⁾ UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSP)

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GROUND WATER ELEVATION

▽ AT TIME OF DRILLING

▼ END OF DRILLING

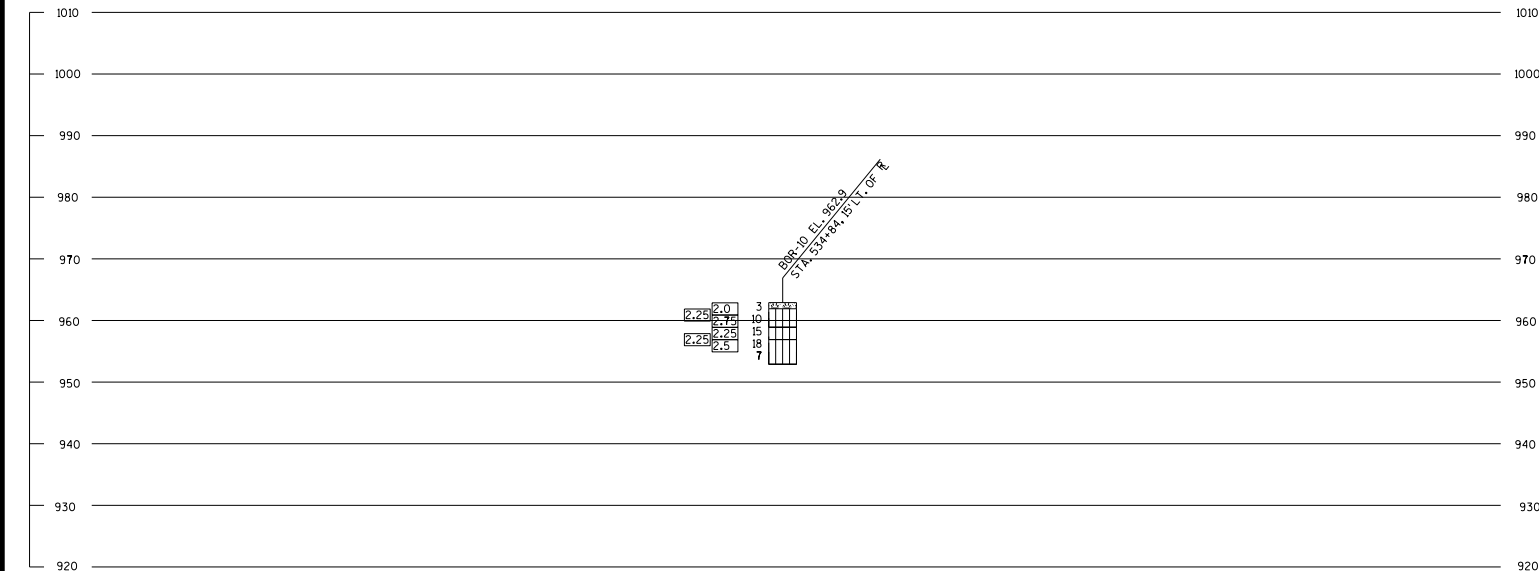
▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.



PROJECT NO: 1204-08-33

HWY: USH 18/151

COUNTY: DANE

SOIL BORINGS

SHEET

E

FILE NAME : **....designfile....**

PLOT DATE : **...plottingdate...** PLOT BY : **...plotuser...** PLOT NAME :

PLOT SCALE : **....plotscale....**

WISDOT/CADDIS SHEET

SCALE =

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
11	11/08/2017	446422	777654
12	11/08/2017	446357	778072

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DANE COUNTY
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT



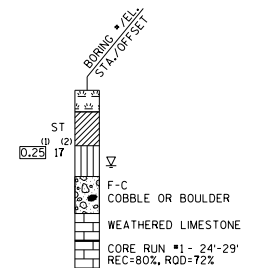
STATE PROJECT NUMBER

1204-08-33

MATERIAL SYMBOLS

	ASPHALT		TOPSOIL		PEAT
	CONCRETE		FILL		GRAVEL
	SAND		CLAY		SILT
	BOULDERS OR COBBLES		LIMESTONE		BEDROCK (UNKNOWN)
	SHALE		SANDSTONE		IGNEOUS/META

LEGEND OF BORING



⁽¹⁾ UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSP)

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GROUND WATER ELEVATION

▽ AT TIME OF DRILLING

▽ END OF DRILLING

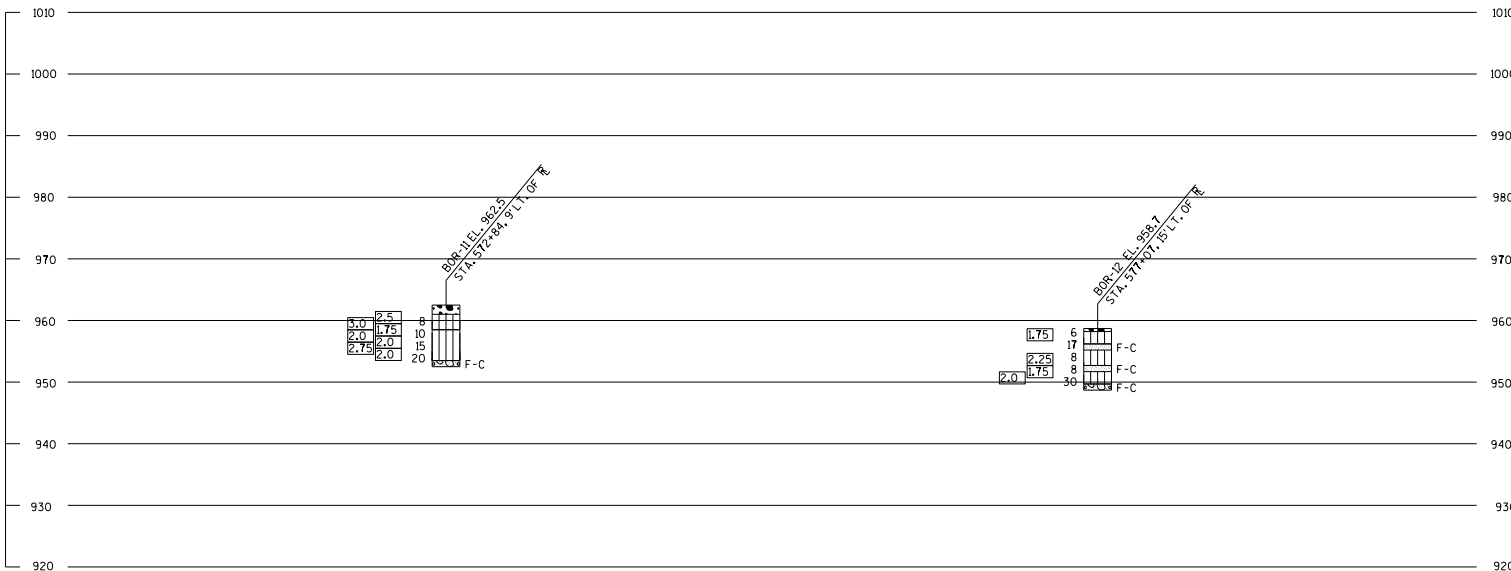
▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.



PROJECT NO: 1204-08-33

HWY: USH 18/151

COUNTY: DANE

SOIL BORINGS

SHEET

E

FILE NAME : **....designfile....**

PLOT DATE : **...plottingdate...** PLOT BY : **...plotuser...** PLOT NAME :

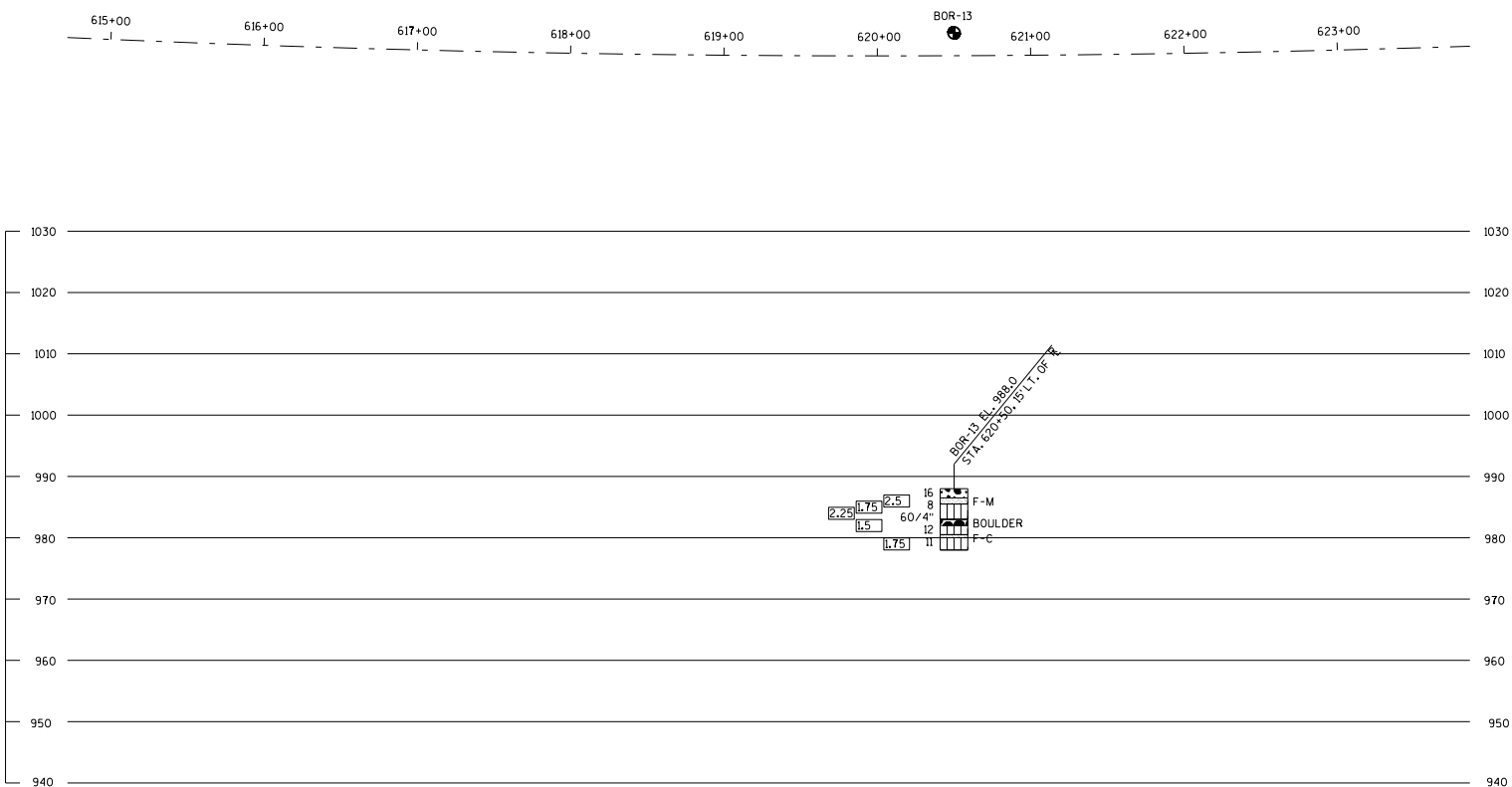
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WISDOT/CADDS SHEET

SCALE =

BORING	DATE COMPLETED	NORTHING (Y)	EASTING (X)
13	11/08/2017	445742	782365

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DANE COUNTY
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT



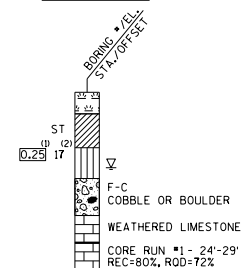
STATE PROJECT NUMBER

1204-08-33

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/META

LEGEND OF BORING



⁽¹⁾ UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

⁽²⁾ UNLESS OTHERWISE SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
▽ END OF DRILLING
▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

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PROJECT NO: 1204-08-33

HWY: USH 18/151

COUNTY: DANE

SOIL BORINGS

SHEET

E

FILE NAME : **....designfile....**

PLOT DATE : **...plottingdate...** PLOT BY : **...plotuser...** PLOT NAME :

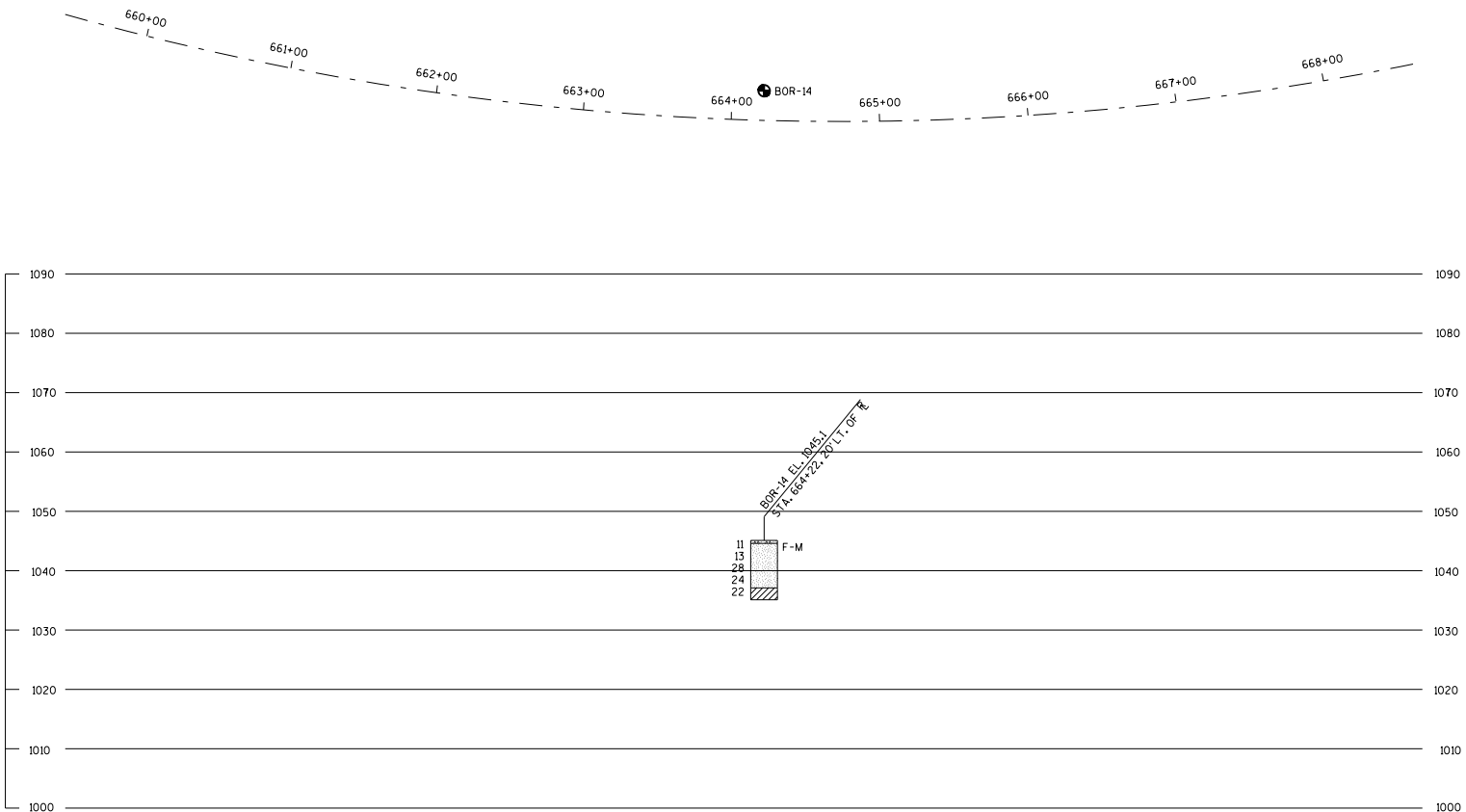
PLOT SCALE : **....plotscale....**

WISDOT/CADDS SHEET

SCALE =

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
14	11/08/2017	446559	786508

BORINGS COMPLETED BY: WISDOT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) DANE COUNTY
COORDINATES COLLECTED USING NON-SURVEY GRADE EQUIPMENT



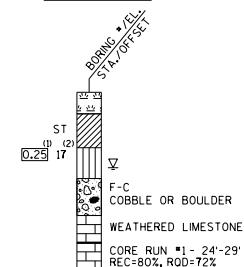
STATE PROJECT NUMBER

1204-08-33

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/META

LEGEND OF BORING



⁽¹⁾ UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSP)

⁽²⁾ UNLESS OTHERWISE SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

▽ AT TIME OF DRILLING
▽ END OF DRILLING
▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

PROJECT NO: 1204-08-33

HWY: USH 18/151

COUNTY: DANE

SOIL BORINGS

SHEET

E















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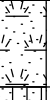







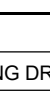




PLOT SCALE : **....plotscale....**

WISDOT/CADDS SHEET




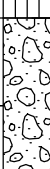
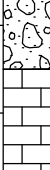





SCALE =

 WI Dept. of Transportation 3502 Kinsman Blvd. Madison, WI 53704				WISDOT PROJECT ID: 1204-08-33				BORING ID: 1								
				WISDOT STRUCTURE ID:				PAGE NO: 1 of 1								
WISDOT PROJECT NAME: USH 18/151 Cable Guard				CONSULTANT: WISDOT		CONSULTANT PROJECT NO:		LATITUDE:		LONGITUDE:						
ROADWAY NAME:				DRILLING CONTRACTOR: WISDOT		DRILLING CONTRACTOR PROJECT NO:		NORTHING: 456953.4		EASTING: 741890.1						
DATE STARTED: 11/07/17				CREW CHIEF: P. Skolos		DRILL RIG: Unit 3		COORDINATE SYSTEM: WCCS								
DATE COMPLETED: 11/07/17				LOGGED BY: S. Hunter		HOLE SIZE: 4 in		HORIZONTAL DATUM: WCCS Dane		VERTICAL DATUM: MSL						
COUNTY: Dane				LOG QC BY: T. L. Petersen		HAMMER TYPE: Automatic		STREAMBED ELEVATION: NA								
STATION 214+76		OFFSET 37' Lt		TOWNSHIP:		RANGE:		SECTION:		1/4 SECTION:						
										SURFACE ELEVATION: 1167.3 ft						
SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments			USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes	
SS 1	18	M	3-7-7-8 (14)	1		6" TOPSOIL, moist	1166.8			GPS					SSA	
				FINE TO COARSE SAND & GRAVEL, brown, little silt, firm, moist		1165.3										
SS 2	12	M	10-12-24-40 (36)	2		SILTY FINE TO COARSE SAND, brown, little fine to coarse gravel, dense, moist	1163.8			SM						
						1163.3										
SS 3	24	M	7-13-13-13 (26)	3		FINE TO COARSE GRAVEL, brown, little fine to coarse sand, trace silt, dense, moist	1163.3			GP						
						1161.3										
SS 4	24	M	8-16-12-8 (28)	4		FINE TO COARSE SAND, brown, some fine to coarse gravel, some silt, firm, moist	1160.3			SP						
						1159.3										
SS 5	24	M	4-5-5-14 (10)	5		SILTY FINE TO COARSE SAND, brown, little fine to coarse gravel, firm, moist	1158.3			SM						
						1157.3										
SS 5	24	M	4-5-5-14 (10)	6		FINE TO MEDIUM SAND, brown, some fine to coarse gravel, little silt, firm, moist	1157.3			ML						
						1157.3										
SS 5	24	M	4-5-5-14 (10)	7		SILTY FINE TO MEDIUM SAND, brown, little fine to coarse gravel, loose, moist	1157.3									
						1157.3										
SS 5	24	M	4-5-5-14 (10)	8		SILT, black/dark brown, little clay, trace fine to coarse sand, very stiff, moist	1157.3									
						1157.3										
SS 5	24	M	4-5-5-14 (10)	9												
SS 5	24	M	4-5-5-14 (10)	10												
End of Boring at 10.0 ft.																
WATER LEVEL & CAVE-IN OBSERVATION DATA																
	WATER ENCOUNTERED DURING DRILLING: NMR					CAVE - IN DEPTH AT COMPLETION: NMR				WET <input type="checkbox"/>			DRY <input type="checkbox"/>			
	WATER LEVEL AT COMPLETION: NMR					CAVE - IN DEPTH AFTER 0 HOURS: NMR				WET <input type="checkbox"/>			DRY <input type="checkbox"/>			
NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected. 2) NE = Not Encountered; NMR = No Measurement Recorded																

P:\GINT\WISDOT GINT PROJECTS\GINT_13\1204-08-33 CABLE GUARD.GPJ USH 18/151 Cable Guard 11/28/17

 WI Dept. of Transportation 3502 Kinsman Blvd. Madison, WI 53704				WISDOT PROJECT ID: 1204-08-33				BORING ID: 2								
				WISDOT STRUCTURE ID:				PAGE NO: 1 of 1								
WISDOT PROJECT NAME: USH 18/151 Cable Guard				CONSULTANT: WISDOT		CONSULTANT PROJECT NO:		LATITUDE:		LONGITUDE:						
ROADWAY NAME:				DRILLING CONTRACTOR: WISDOT		DRILLING CONTRACTOR PROJECT NO:		NORTHING: 452878.8		EASTING: 747692.1						
DATE STARTED: 11/07/17				CREW CHIEF: P. Skolos		DRILL RIG: Unit 3		COORDINATE SYSTEM: WCCS								
DATE COMPLETED: 11/07/17				LOGGED BY: S. Hunter		HOLE SIZE: 4 in		HORIZONTAL DATUM: WCCS Dane		VERTICAL DATUM: MSL						
COUNTY: Dane				LOG QC BY: T. L. Petersen		HAMMER TYPE: Automatic		STREAMBED ELEVATION: NA								
STATION 286+67		OFFSET 39' Lt		TOWNSHIP:		RANGE:		SECTION:		1/4 SECTION:						
								1/4 1/4 SECTION:		SURFACE ELEVATION: 1172.8 ft						
SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments				USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
SS 1	12	M	0-1-6-7 (7)	1		12" TOPSOIL, moist									SSA	
				1.0	1171.8				ML							
SS 2	24	M	1-3-3-5 (6)	2		SANDY SILT, brown, medium, moist										
				2.0	1170.8				ML							
SS 3	24	M	3-4-3-5 (7)	3		SILT, brown, some clay, trace fine to coarse sand, medium, moist					1.0					
				4.0	1168.8				ML	1.5						
SS 4	24	M	2-2-4-6 (6)	4		FINE TO COARSE SAND, brown, some fine to coarse gravel, little silt, loose, moist										
				5.0	1167.8				SP							
SS 5	24	M	3-4-6-7 (10)	5		SILT, brown, some clay, trace fine to medium sand, stiff, moist					1.5					
				6.0	1166.8				ML							
SS 4	24	M	2-2-4-6 (6)	6		SILT, brown, some clay, little fine to medium sand, trace fine gravel, stiff, moist					2.0					
				7.0	1164.8				ML	1.75						
SS 5	24	M	3-4-6-7 (10)	8		SILT, brown, some clay, trace fine to medium sand, very stiff, moist										
				8.0	1164.8				ML							
SS 5	24	M	3-4-6-7 (10)	9		FINE TO MEDIUM SAND, brown, some silt, trace fine to medium gravel, loose, moist					2.25					
				9.0	1163.8				SP							
				10		1162.8										
End of Boring at 10.0 ft.																
WATER LEVEL & CAVE-IN OBSERVATION DATA																
	WATER ENCOUNTERED DURING DRILLING: NMR					CAVE - IN DEPTH AT COMPLETION: NMR				WET <input type="checkbox"/> DRY <input type="checkbox"/>						
	WATER LEVEL AT COMPLETION: NMR					CAVE - IN DEPTH AFTER 0 HOURS: NMR				WET <input type="checkbox"/> DRY <input type="checkbox"/>						
NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected. 2) NE = Not Encountered; NMR = No Measurement Recorded																

P:\GINT\WISDOT GINT PROJECTS\GINT_131204-08-33 CABLE GUARD.GPJ USH 18/151 Cable Guard 11/28/17

 WI Dept. of Transportation 3502 Kinsman Blvd. Madison, WI 53704				WISDOT PROJECT ID: 1204-08-33				BORING ID: 3								
				WISDOT STRUCTURE ID:				PAGE NO: 1 of 1								
WISDOT PROJECT NAME: USH 18/151 Cable Guard				CONSULTANT: WISDOT		CONSULTANT PROJECT NO:		LATITUDE:		LONGITUDE:						
ROADWAY NAME:				DRILLING CONTRACTOR: WISDOT		DRILLING CONTRACTOR PROJECT NO:		NORTHING: 451260.5		EASTING: 751003.7						
DATE STARTED: 11/07/17				CREW CHIEF: P. Skolos		DRILL RIG: Unit 3		COORDINATE SYSTEM: WCCS								
DATE COMPLETED: 11/07/17				LOGGED BY: S. Hunter		HOLE SIZE: 4 in		HORIZONTAL DATUM: WCCS Dane		VERTICAL DATUM: MSL						
COUNTY: Dane				LOG QC BY: T. L. Petersen		HAMMER TYPE: Automatic		STREAMBED ELEVATION: NA								
STATION 300+33		OFFSET 10' Lt		TOWNSHIP:		RANGE:		SECTION:		1/4 SECTION:						
										SURFACE ELEVATION: 1133.7 ft						
SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments				USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
SS 1	24	M	3-5-7-4 (12)	1		24" SHOULDER GRAVEL, moist				GW						
				2		1131.7										
SS 2	18	M	3-6-9-11 (15)	3		SILT, brown, some clay, some fine to medium sand, little fine to coarse gravel, moist				ML	2.0					
				4		1129.7										
SS 3	24	M	11-36-54-59 (90)	5		FINE TO COARSE SAND & GRAVEL, light brown, little silt, very dense, moist				GPS						
				6		1127.2										
SS 4	11	M	47-60/5"	6.5		WEATHERED LIMESTONE BEDROCK, very dense, moist										
				7		1125.7										
				8		End of Boring at 8.0 ft.										
WATER LEVEL & CAVE-IN OBSERVATION DATA																
	WATER ENCOUNTERED DURING DRILLING: NMR					CAVE - IN DEPTH AT COMPLETION: NMR				WET <input type="checkbox"/> DRY <input type="checkbox"/>						
	WATER LEVEL AT COMPLETION: NMR					CAVE - IN DEPTH AFTER 0 HOURS: NMR				WET <input type="checkbox"/> DRY <input type="checkbox"/>						
NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected. 2) NE = Not Encountered; NMR = No Measurement Recorded																



WI Dept. of Transportation
3502 Kinsman Blvd.
Madison, WI 53704

WISDOT PROJECT ID: 1204-08-33

BORING ID: 4

WISDOT STRUCTURE ID:

PAGE NO: 1 of 1

WISDOT PROJECT NAME: USH 18/151 Cable Guard		CONSULTANT: WISDOT		CONSULTANT PROJECT NO:		LATITUDE:		LONGITUDE:	
ROADWAY NAME:		DRILLING CONTRACTOR: WISDOT		DRILLING CONTRACTOR PROJECT NO:		NORTHING: 451255.5		EASTING: 752802.3	
DATE STARTED: 11/07/17		CREW CHIEF: P. Skolos		DRILL RIG: Unit 3		COORDINATE SYSTEM: WCCS			
DATE COMPLETED: 11/07/17		LOGGED BY: S. Hunter		HOLE SIZE: 4 in		HORIZONTAL DATUM: WCCS Dane		VERTICAL DATUM: MSL	
COUNTY: Dane		LOG QC BY: T. L. Petersen		HAMMER TYPE: Automatic		STREAMBED ELEVATION: NA			
STATION 318+36	OFFSET 11' Lt	TOWNSHIP:	RANGE:	SECTION:	1/4 SECTION:	1/4 1/4 SECTION:	SURFACE ELEVATION: 1157.2 ft		




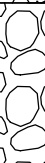
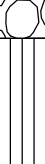
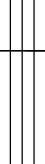




SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				1		24" SHOULDER GRAVEL, moist	GW					SSA	
				2		2.0							
SS 1	24	M	8-8-15-26 (23)	3		FINE TO COARSE SAND & GRAVEL, brown, little silt, firm, moist							
				4		Loose							
SS 2	6	M	6-2-3-7 (5)	5			GPS						
				6		Very dense							
SS 3	24	M	11-32-23-40 (55)	7									
				8		8.0							
				9		FINE TO COARSE SAND, brown, some fine to coarse gravel, little silt, firm, moist	SP						
SS 4	24	M	3-5-6-6 (11)	10		10.0							
				10		1147.2							







End of Boring at 10.0 ft.

WATER LEVEL & CAVE-IN OBSERVATION DATA











	WATER ENCOUNTERED DURING DRILLING: NMR		CAVE - IN DEPTH AT COMPLETION: NMR	WET <input type="checkbox"/> DRY <input type="checkbox"/>
	WATER LEVEL AT COMPLETION: NMR		CAVE - IN DEPTH AFTER 0 HOURS: NMR	WET <input type="checkbox"/> DRY <input type="checkbox"/>

NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded


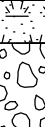
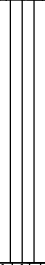

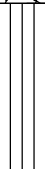
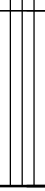




 WI Dept. of Transportation 3502 Kinsman Blvd. Madison, WI 53704				WISDOT PROJECT ID: 1204-08-33				BORING ID: 5								
				WISDOT STRUCTURE ID:				PAGE NO: 1 of 1								
WISDOT PROJECT NAME: USH 18/151 Cable Guard				CONSULTANT: WISDOT		CONSULTANT PROJECT NO:		LATITUDE:		LONGITUDE:						
ROADWAY NAME:				DRILLING CONTRACTOR: WISDOT		DRILLING CONTRACTOR PROJECT NO:		NORTHING: 451261		EASTING: 752969.3						
DATE STARTED: 11/07/17				CREW CHIEF: P. Skolos		DRILL RIG: Unit 3		COORDINATE SYSTEM: WCCS								
DATE COMPLETED: 11/07/17				LOGGED BY: S. Hunter		HOLE SIZE: 4 in		HORIZONTAL DATUM: WCCS Dane		VERTICAL DATUM: MSL						
COUNTY: Dane				LOG QC BY: T. L. Petersen		HAMMER TYPE: Automatic		STREAMBED ELEVATION: NA								
STATION 320+03		OFFSET 11' Lt		TOWNSHIP:		RANGE:		SECTION:		1/4 SECTION:						
								1/4 1/4 SECTION:		SURFACE ELEVATION: 1157.8 ft						
SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments				USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				1		24" SHOULDER GRAVEL, moist				GW						
				2		1155.8										
SS 1	21	M	6-9-9-60/3"	3		FINE TO COARSE SAND & GRAVEL, brown, little silt, firm, moist				GPS						
				4		1154.1										
SS 2	3	M	60/3"	5		BOULDER										
				6		1151.8										
				7		SILT, dark brown, hard, moist				ML	4.5	1.75				
SS 3	24	M	3-5-6-6 (11)	8		1149.8										
				9		SILT, brown, some clay, medium, moist				ML	1.0	1.0				
SS 4	24	M	2-3-5-6 (8)	10		1147.8										
				End of Boring at 10.0 ft.												
WATER LEVEL & CAVE-IN OBSERVATION DATA																
	WATER ENCOUNTERED DURING DRILLING: NMR					CAVE - IN DEPTH AT COMPLETION: NMR				WET <input type="checkbox"/>			DRY <input type="checkbox"/>			
	WATER LEVEL AT COMPLETION: NMR					CAVE - IN DEPTH AFTER 0 HOURS: NMR				WET <input type="checkbox"/>			DRY <input type="checkbox"/>			
NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected. 2) NE = Not Encountered; NMR = No Measurement Recorded																

 WI Dept. of Transportation 3502 Kinsman Blvd. Madison, WI 53704		WISDOT PROJECT ID: 1204-08-33				BORING ID: 6										
		WISDOT STRUCTURE ID:				PAGE NO: 1 of 1										
WISDOT PROJECT NAME: USH 18/151 Cable Guard		CONSULTANT: WISDOT		CONSULTANT PROJECT NO:		LATITUDE:		LONGITUDE:								
ROADWAY NAME:		DRILLING CONTRACTOR: WISDOT		DRILLING CONTRACTOR PROJECT NO:		NORTHING: 451282.4		EASTING: 753503.11								
DATE STARTED: 11/07/17		CREW CHIEF: P. Skolos		DRILL RIG: Unit 3		COORDINATE SYSTEM: WCCS										
DATE COMPLETED: 11/07/17		LOGGED BY: S. Hunter		HOLE SIZE: 4 in		HORIZONTAL DATUM: WCCS Dane		VERTICAL DATUM: MSL								
COUNTY: Dane		LOG QC BY: T. L. Petersen		HAMMER TYPE: Automatic		STREAMBED ELEVATION: NA										
STATION 325+37		OFFSET 15' Lt		TOWNSHIP:		RANGE:		SECTION:		1/4 SECTION:		1/4 1/4 SECTION:		SURFACE ELEVATION: 1159.6 ft		
SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments				USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
SS 1	24	M	5-8-10-18 (18)	1		FINE TO COARSE SAND & GRAVEL, brown, little silt, firm, moist				GPS					SSA	
SS 2	9	M	8-18-60/3"	2		Trace silt, very dense										
				3		3.3 1156.4										
				4		LIMESTONE BEDROCK, very dense, moist										
				5												
				6		6.0 1153.6										
End of Boring at 6.0 ft.																
WATER LEVEL & CAVE-IN OBSERVATION DATA																
	WATER ENCOUNTERED DURING DRILLING: NMR					CAVE - IN DEPTH AT COMPLETION: NMR				WET <input type="checkbox"/>			DRY <input type="checkbox"/>			
	WATER LEVEL AT COMPLETION: NMR					CAVE - IN DEPTH AFTER 0 HOURS: NMR				WET <input type="checkbox"/>			DRY <input type="checkbox"/>			
NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected. 2) NE = Not Encountered; NMR = No Measurement Recorded																


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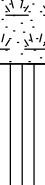

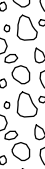

 WI Dept. of Transportation 3502 Kinsman Blvd. Madison, WI 53704		WISDOT PROJECT ID: 1204-08-33				BORING ID: 7								
		WISDOT STRUCTURE ID:				PAGE NO: 1 of 1								
WISDOT PROJECT NAME: USH 18/151 Cable Guard		CONSULTANT: WISDOT		CONSULTANT PROJECT NO:		LATITUDE:		LONGITUDE:						
ROADWAY NAME:		DRILLING CONTRACTOR: WISDOT		DRILLING CONTRACTOR PROJECT NO:		NORTHING: 451295.9		EASTING: 763347.8						
DATE STARTED: 11/07/17		CREW CHIEF: P. Skolos		DRILL RIG: Unit 3		COORDINATE SYSTEM: WCCS								
DATE COMPLETED: 11/07/17		LOGGED BY: S. Hunter		HOLE SIZE: 4 in		HORIZONTAL DATUM: WCCS Dane		VERTICAL DATUM: MSL						
COUNTY: Dane		LOG QC BY: T. L. Petersen		HAMMER TYPE: Automatic		STREAMBED ELEVATION: NA								
STATION 405+00		OFFSET 45' Lt		TOWNSHIP:		RANGE:		SECTION:						
				1/4 SECTION:		1/4 1/4 SECTION:		SURFACE ELEVATION: 1005.5 ft						
SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments		USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
SS 1	24	M	5-7-7-12 (14)	1		12" TOPSOIL, moist	1004.5	1.75					SSA	
					SILT, brown, some fine to coarse sand, little fine to coarse gravel, stiff, moist	1003.5								
SS 2	24	M	9-18-20-42 (38)	2		FINE TO COARSE SAND, light brown, some fine to coarse gravel, trace silt, dense, moist		SP						
						Firm								
SS 3	12	M	3-9-9-6 (18)	5				SP						
SS 4	24	M	8-7-6-7 (13)	7		FINE TO COARSE SAND, brown, some fine to coarse gravel, little silt, firm, moist	999.5	SP						
SS 5	12	M	6-10-24-16 (34)	9				SP						
				10			995.5							
End of Boring at 10.0 ft.														
WATER LEVEL & CAVE-IN OBSERVATION DATA														
	WATER ENCOUNTERED DURING DRILLING: NMR					CAVE - IN DEPTH AT COMPLETION: NMR				WET <input type="checkbox"/> DRY <input type="checkbox"/>				
	WATER LEVEL AT COMPLETION: NMR					CAVE - IN DEPTH AFTER 0 HOURS: NMR				WET <input type="checkbox"/> DRY <input type="checkbox"/>				
NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected. 2) NE = Not Encountered; NMR = No Measurement Recorded														





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 WI Dept. of Transportation 3502 Kinsman Blvd. Madison, WI 53704		WISDOT PROJECT ID: 1204-08-33				BORING ID: 8								
		WISDOT STRUCTURE ID:				PAGE NO: 1 of 1								
WISDOT PROJECT NAME: USH 18/151 Cable Guard		CONSULTANT: WISDOT		CONSULTANT PROJECT NO:		LATITUDE:		LONGITUDE:						
ROADWAY NAME:		DRILLING CONTRACTOR: WISDOT		DRILLING CONTRACTOR PROJECT NO:		NORTHING: 450897.7		EASTING: 770466.9						
DATE STARTED: 11/07/17		CREW CHIEF: P. Skolos		DRILL RIG: Unit 3		COORDINATE SYSTEM: WCCS								
DATE COMPLETED: 11/07/17		LOGGED BY: S. Hunter		HOLE SIZE: 4 in		HORIZONTAL DATUM: WCCS Dane		VERTICAL DATUM: MSL						
COUNTY: Dane		LOG QC BY: T. L. Petersen		HAMMER TYPE: Automatic		STREAMBED ELEVATION: NA								
STATION 476+31		OFFSET 40' Lt		TOWNSHIP:		RANGE:		SECTION:						
				1/4 SECTION:		1/4 1/4 SECTION:		SURFACE ELEVATION: 942.8 ft						
SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments		USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
SS 1	24	M	7-20-16-7 (36)	1		6" TOPSOIL, moist 0.5 942.3 FINE TO COARSE GRAVEL, brown, some fine to coarse sand, little silt, dense, moist 1.5 941.3	GP	4.5+	3.0				SSA	
				2	SILT, brown, trace fine to medium sand, moist	ML								
				3	Hard									
SS 2	24	M	3-5-5-5 (10)	4		Very stiff 4.5 938.3	GPS							
				5		FINE TO COARSE SAND & GRAVEL, light brown, trace silt, firm								
SS 3	12	M	3-7-10-5 (17)	6		6.0 936.8	ML							
				7		SILT, brown, some fine to coarse gravel, little fine to coarse sand, stiff, moist to wet								
SS 4	12	M-W	5-5-7-17 (12)	8		8.0 934.8	ML							
				9		SILT, gray/brown, little fine to coarse sand & gravel, moist to wet								
SS 5	12	M-W	5-5-5-5 (10)	10		10.0 932.8	ML							
				10		End of Boring at 10.0 ft.								
WATER LEVEL & CAVE-IN OBSERVATION DATA														
	WATER ENCOUNTERED DURING DRILLING: NMR					CAVE - IN DEPTH AT COMPLETION: NMR				WET <input type="checkbox"/> DRY <input type="checkbox"/>				
	WATER LEVEL AT COMPLETION: NMR					CAVE - IN DEPTH AFTER 0 HOURS: NMR				WET <input type="checkbox"/> DRY <input type="checkbox"/>				
NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected. 2) NE = Not Encountered; NMR = No Measurement Recorded														


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 WI Dept. of Transportation 3502 Kinsman Blvd. Madison, WI 53704		WISDOT PROJECT ID: 1204-08-33				BORING ID: 9	
		WISDOT STRUCTURE ID:				PAGE NO: 1 of 1	
WISDOT PROJECT NAME: USH 18/151 Cable Guard		CONSULTANT: WISDOT		CONSULTANT PROJECT NO:		LATITUDE:	LONGITUDE:
ROADWAY NAME:		DRILLING CONTRACTOR: WISDOT		DRILLING CONTRACTOR PROJECT NO:		NORTHING: 450876.2	EASTING: 770873.6
DATE STARTED: 11/08/17		CREW CHIEF: P. Skolos		DRILL RIG: Unit 3		COORDINATE SYSTEM: WCCS	
DATE COMPLETED: 11/08/17		LOGGED BY: S. Hunter		HOLE SIZE: 4 in		HORIZONTAL DATUM: WCCS Dane	VERTICAL DATUM: MSL
COUNTY: Dane		LOG QC BY: T. L. Petersen		HAMMER TYPE: Automatic		STREAMBED ELEVATION: NA	
STATION: 480+38	OFFSET: 37' Lt	TOWNSHIP:	RANGE:	SECTION:	1/4 SECTION:	SURFACE ELEVATION: 932.6 ft	

SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
SS 1	18	M	4-5-10-11 (15)	1		9" TOPSOIL, moist							
						0.8 SILT, brown, some fine to coarse sand & gravel, stiff, moist	931.9 ML						
SS 2	18	M	4-7-14-11 (21)	2		2.5 FINE TO COARSE SAND & GRAVEL, brown, little silt, firm, moist	930.1 GPS						
						4.0 FINE TO COARSE GRAVEL, brown, some silt, little fine to coarse sand, firm, moist	928.6 GP						
SS 3	12	M W	6-5-8-18 (13)	3		Wet Loose							
						7.5 SILT, brown, some fine to coarse sand, trace fine to medium gravel, very stiff, moist to wet Medium, wet	925.1 ML	2.5					
SS 4	12	W M-W	6-5-4-4 (9)	4		Moist to wet							
						10.0 End of Boring at 10.0 ft.							

WATER LEVEL & CAVE-IN OBSERVATION DATA													
	WATER ENCOUNTERED DURING DRILLING: NMR					CAVE - IN DEPTH AT COMPLETION: NMR				WET <input type="checkbox"/> DRY <input type="checkbox"/>			
	WATER LEVEL AT COMPLETION: NMR					CAVE - IN DEPTH AFTER 0 HOURS: NMR				WET <input type="checkbox"/> DRY <input type="checkbox"/>			
NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected. 2) NE = Not Encountered; NMR = No Measurement Recorded													

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 WI Dept. of Transportation 3502 Kinsman Blvd. Madison, WI 53704	WISDOT PROJECT ID: 1204-08-33		BORING ID: 10	
	WISDOT STRUCTURE ID:		PAGE NO: 1 of 1	
WISDOT PROJECT NAME: USH 18/151 Cable Guard		CONSULTANT: WISDOT	CONSULTANT PROJECT NO:	
ROADWAY NAME:		DRILLING CONTRACTOR: WISDOT	DRILLING CONTRACTOR PROJECT NO:	
DATE STARTED: 11/08/17		CREW CHIEF: P. Skolos	DRILL RIG: Unit 3	
DATE COMPLETED: 11/08/17		LOGGED BY: S. Hunter	HOLE SIZE: 4 in	
COUNTY: Dane		LOG QC BY: T. L. Petersen	HAMMER TYPE: Automatic	
STATION 534+84		OFFSET 15' Lt	SURFACE ELEVATION: 962.9 ft	







SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
SS 1	24	M	0-1-2-6 (3)	1		12" TOPSOIL, moist		961.9	2.0			SSA	
					SILT, brown, some fine to medium sand, trace fine gravel, moist Stiff								
SS 2	24	M	2-4-6-10 (10)	2		Very stiff	ML	2.25	2.75				
				3									
SS 3	6	M	10-8-7-9 (15)	4				958.9	2.25				
				5		SILT, brown, some fine to medium sand, little fine to medium gravel, moist Very stiff	ML						
SS 4	24	M	7-8-10-14 (18)	6				956.9	2.25				
				7		SILT, brown, some fine to coarse sand, little clay, little fine to coarse gravel, moist Very stiff							
SS 5	6	M	3-4-3-4 (7)	8		Medium	ML	2.5					
				9									
				10				952.9					

End of Boring at 10.0 ft.


WATER LEVEL & CAVE-IN OBSERVATION DATA







<input type="checkbox"/>	WATER ENCOUNTERED DURING DRILLING: NMR	<input checked="" type="checkbox"/>	CAVE - IN DEPTH AT COMPLETION: NMR	WET <input type="checkbox"/> DRY <input type="checkbox"/>
<input checked="" type="checkbox"/>	WATER LEVEL AT COMPLETION: NMR	<input checked="" type="checkbox"/>	CAVE - IN DEPTH AFTER 0 HOURS: NMR	WET <input type="checkbox"/> DRY <input type="checkbox"/>





NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected.
2) NE = Not Encountered; NMR = No Measurement Recorded

 WI Dept. of Transportation 3502 Kinsman Blvd. Madison, WI 53704				WISDOT PROJECT ID: 1204-08-33				BORING ID: 11							
				WISDOT STRUCTURE ID:				PAGE NO: 1 of 1							
WISDOT PROJECT NAME: USH 18/151 Cable Guard				CONSULTANT: WISDOT		CONSULTANT PROJECT NO:		LATITUDE:		LONGITUDE:					
ROADWAY NAME:				DRILLING CONTRACTOR: WISDOT		DRILLING CONTRACTOR PROJECT NO:		NORTHING: 446422.3		EASTING: 777653.5					
DATE STARTED: 11/08/17				CREW CHIEF: P. Skolos		DRILL RIG: Unit 3		COORDINATE SYSTEM: WCCS							
DATE COMPLETED: 11/08/17				LOGGED BY: S. Hunter		HOLE SIZE: 4 in		HORIZONTAL DATUM: WCCS Dane		VERTICAL DATUM: MSL					
COUNTY: Dane				LOG QC BY: T. L. Petersen		HAMMER TYPE: Automatic		STREAMBED ELEVATION: NA							
STATION 572+84		OFFSET 9' Lt		TOWNSHIP:		RANGE:		SECTION:		1/4 SECTION:					
										SURFACE ELEVATION: 962.5 ft					
SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments			USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
				1		18" SHOULDER GRAVEL, moist			GW					SSA	
				1.5		961.0									
				2		SILT, brown, some fine to medium sand, trace fine gravel, moist									
				3		Very stiff			ML	2.5					
				4		4.0				3.0					
				5		SILT, brown, some clay, little fine to medium sand, little fine to coarse gravel, moist				1.75					
				6						2.0					
				7		Very stiff			ML	2.0					
				8						2.75					
				9		Stiff				2.0					
				9.0		953.5									
				10		FINE TO COARSE SAND, brown, and fine to medium gravel, some silt, firm, moist			GPS						
				10.0		952.5									
End of Boring at 10.0 ft.															
WATER LEVEL & CAVE-IN OBSERVATION DATA															
	WATER ENCOUNTERED DURING DRILLING: NMR					CAVE - IN DEPTH AT COMPLETION: NMR				WET <input type="checkbox"/> DRY <input type="checkbox"/>					
	WATER LEVEL AT COMPLETION: NMR					CAVE - IN DEPTH AFTER 0 HOURS: NMR				WET <input type="checkbox"/> DRY <input type="checkbox"/>					
NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected. 2) NE = Not Encountered; NMR = No Measurement Recorded															










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 WI Dept. of Transportation 3502 Kinsman Blvd. Madison, WI 53704	WISDOT PROJECT ID: 1204-08-33				BORING ID: 12		
	WISDOT STRUCTURE ID:				PAGE NO: 1 of 1		
WISDOT PROJECT NAME: USH 18/151 Cable Guard		CONSULTANT: WISDOT		CONSULTANT PROJECT NO:		LATITUDE:	LONGITUDE:
ROADWAY NAME:		DRILLING CONTRACTOR: WISDOT		DRILLING CONTRACTOR PROJECT NO:		NORTHING: 446357.4	EASTING: 778071.5
DATE STARTED: 11/08/17		CREW CHIEF: P. Skolos		DRILL RIG: Unit 3		COORDINATE SYSTEM: WCCS	
DATE COMPLETED: 11/08/17		LOGGED BY: S. Hunter		HOLE SIZE: 4 in		HORIZONTAL DATUM: WCCS Dane	VERTICAL DATUM: MSL
COUNTY: Dane		LOG QC BY: T. L. Petersen		HAMMER TYPE: Automatic		STREAMBED ELEVATION: NA	
STATION: 577+07	OFFSET: 15' Lt	TOWNSHIP:	RANGE:	SECTION:	1/4 SECTION:	SURFACE ELEVATION: 958.7 ft	







SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments	USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
SS 1	12	M	5-3-3-6 (6)	1		6" SHOULDER GRAVEL, loose, moist	GW	1.75					SSA
						SILT, brown, some clay, little fine to medium sand, trace fine to medium gravel, moist	ML						
SS 2	24	M	5-10-7-12 (17)	3		Stiff	ML	2.25					
						FINE TO COARSE SAND, brown, some fine to coarse gravel, trace silt, firm, moist	SP						
SS 3	12	M	1-3-5-5 (8)	5		SILT, brown, some fine to medium sand, little clay, little fine to coarse gravel, moist	ML	1.75					
						Very stiff	ML						
SS 4	24	M-W M	2-3-5-7 (8)	7		FINE TO COARSE SAND, brown, some silt, little fine to medium gravel, loose, moist to wet	SP	2.0					
						SILT, brown, some clay, some fine to medium sand, trace fine gravel, moist	ML						
SS 5	18	M	2-9-21-40 (30)	9		Stiff	GPS						
						FINE TO COARSE SAND & GRAVEL, light brown, firm, moist	GPS						
				10									

WATER LEVEL & CAVE-IN OBSERVATION DATA													
	WATER ENCOUNTERED DURING DRILLING: NMR					CAVE - IN DEPTH AT COMPLETION: NMR				WET <input type="checkbox"/> DRY <input type="checkbox"/>			
	WATER LEVEL AT COMPLETION: NMR					CAVE - IN DEPTH AFTER 0 HOURS: NMR				WET <input type="checkbox"/> DRY <input type="checkbox"/>			
NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected. 2) NE = Not Encountered; NMR = No Measurement Recorded													

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 WI Dept. of Transportation 3502 Kinsman Blvd. Madison, WI 53704				WISDOT PROJECT ID: 1204-08-33				BORING ID: 13								
				WISDOT STRUCTURE ID:				PAGE NO: 1 of 1								
WISDOT PROJECT NAME: USH 18/151 Cable Guard				CONSULTANT: WISDOT		CONSULTANT PROJECT NO:		LATITUDE:		LONGITUDE:						
ROADWAY NAME:				DRILLING CONTRACTOR: WISDOT		DRILLING CONTRACTOR PROJECT NO:		NORTHING: 445742.1		EASTING: 782364.9						
DATE STARTED: 11/08/17				CREW CHIEF: P. Skolos		DRILL RIG: Unit 3		COORDINATE SYSTEM: WCCS								
DATE COMPLETED: 11/08/17				LOGGED BY: S. Hunter		HOLE SIZE: 4 in		HORIZONTAL DATUM: WCCS Dane		VERTICAL DATUM: MSL						
COUNTY: Dane				LOG QC BY: T. L. Petersen		HAMMER TYPE: Automatic		STREAMBED ELEVATION: NA								
STATION 620+50		OFFSET 15' Lt		TOWNSHIP:		RANGE:		SECTION:		1/4 SECTION:						
								1/4 1/4 SECTION:		SURFACE ELEVATION: 988 ft						
SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments				USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes
SS 1	24	M	4-8-8-18 (16)	1		18" SHOULDER GRAVEL, firm, moist				GW					SSA	
				1.5	986.5											
SS 2	18	M	4-4-4-5 (8)	2		FINE TO MEDIUM SAND, brown, little fine to coarse gravel, trace silt, firm, moist Loose				SP						
				2.5	985.5											
				3	SILT, brown, some fine to medium sand, little fine to medium gravel, very stiff, moist											
SS 3	6	M	3-3-60/4"	4	Stiff				ML							
				5	Very stiff											
				5.0	983.0											
SS 4	24	M	4-6-6-6 (12)	6		BOULDER										
				6.0	982.0											
				7	SILT, reddish brown, some clay, little fine to coarse sand & gravel, moist Stiff				ML							
				7.5	980.5											
SS 5	12	M	4-4-7-7 (11)	8		FINE TO COARSE SAND, brown, some silt, little fine to coarse gravel, firm, moist				SP						
				8.0	980.0											
				9	SILT, brown, some fine to medium sand, little fine to medium gravel, moist				ML							
				10		Stiff										
				10.0		978.0										
End of Boring at 10.0 ft.																
WATER LEVEL & CAVE-IN OBSERVATION DATA																
	WATER ENCOUNTERED DURING DRILLING: NMR					CAVE - IN DEPTH AT COMPLETION: NMR				WET <input type="checkbox"/> DRY <input type="checkbox"/>						
	WATER LEVEL AT COMPLETION: NMR					CAVE - IN DEPTH AFTER 0 HOURS: NMR				WET <input type="checkbox"/> DRY <input type="checkbox"/>						
NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected. 2) NE = Not Encountered; NMR = No Measurement Recorded																

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 WI Dept. of Transportation 3502 Kinsman Blvd. Madison, WI 53704				WISDOT PROJECT ID: 1204-08-33				BORING ID: 14									
				WISDOT STRUCTURE ID:				PAGE NO: 1 of 1									
WISDOT PROJECT NAME: USH 18/151 Cable Guard				CONSULTANT: WISDOT		CONSULTANT PROJECT NO:		LATITUDE:		LONGITUDE:							
ROADWAY NAME:				DRILLING CONTRACTOR: WISDOT		DRILLING CONTRACTOR PROJECT NO:		NORTHING: 446558.6		EASTING: 786508							
DATE STARTED: 11/08/17				CREW CHIEF: P. Skolos		DRILL RIG: Unit 3		COORDINATE SYSTEM: WCCS									
DATE COMPLETED: 11/08/17				LOGGED BY: S. Hunter		HOLE SIZE: 4 in		HORIZONTAL DATUM: WCCS Dane		VERTICAL DATUM: MSL							
COUNTY: Dane				LOG QC BY: T. L. Petersen		HAMMER TYPE: Automatic		STREAMBED ELEVATION: NA									
STATION 664+22		OFFSET 20' Lt		TOWNSHIP:		RANGE:		SECTION:		1/4 SECTION:							
								1/4 1/4 SECTION:		SURFACE ELEVATION: 1045.1 ft							
SAMPLE TYPE NUMBER	RECOVERY (in) (RQD)	Moisture	BLOW COUNTS (N VALUE)	Depth (ft)	Graphic	Soil / Rock Description and Geological Origin for Each Major Unit / Comments				USCS / AASHTO	Strength Qp (tsf)	Liquid Limit (%)	Plasticity Index (%)	Boulders	Drilling Method	Notes	
SS 1	12	M	8-5-6-5 (11)	1		6" TOPSOIL, moist	1044.6				SP					SSA	
				FINE TO MEDIUM SAND, brown, some silt, little fine to coarse gravel, firm, moist													
SS 2	24	M	5-6-7-8 (13)	3													
SS 3	24	M	6-12-16-12 (28)	5													
SS 4	24	M	7-10-14-16 (24)	7													
SS 5	6	M	4-10-12-11 (22)	9		CLAY, brown, some fine to coarse gravel, little fine to coarse sand, trace silt, very stiff, moist	1037.1				CL						
End of Boring at 10.0 ft.																	
WATER LEVEL & CAVE-IN OBSERVATION DATA																	
	WATER ENCOUNTERED DURING DRILLING: NMR					CAVE - IN DEPTH AT COMPLETION: NMR				WET <input type="checkbox"/> DRY <input type="checkbox"/>							
	WATER LEVEL AT COMPLETION: NMR					CAVE - IN DEPTH AFTER 0 HOURS: NMR				WET <input type="checkbox"/> DRY <input type="checkbox"/>							
NOTES: 1) Stratification lines between soil types represent the approximate boundary; gradual transition between in-situ soil layers should be expected. 2) NE = Not Encountered; NMR = No Measurement Recorded																	

P:\GINT\WISDOT GINT PROJECTS\GINT_13\1204-08-33 CABLE GUARD.GPJ USH 18/151 Cable Guard 11/28/17