

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: <u>782 893</u>	PROJECT NAME: <u>Centredale Manor, North Providence, RI</u>		
BORING NUMBER: <u>CM5 449</u>	COORDINATES:		DATE:
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: <u>7/20/99</u>
ENGINEER/GEOLOGIST: <u>B. Bowen</u>	Depth	Date/Time	DATE COMPLETED: <u>7/20/99</u>
DRILLING METHODS: <u>Geoprobe</u>			PAGE <u>1</u> OF <u>2</u>

DEPTH ()	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ()	RECOVERY ()	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
				2" asphalt				
1			48	3'10" medium to fine sand and silt. Tan. moist	SM			no sample collected.
2								
3								
4								
	CM5 449E		12	2" medium to fine sand and silt. Tan. moist. 10" Gravel, sand, and silt. medium to fine gravel, coarse to fine sand, dark brown, moist.	SM GM			PTD = 0.0 ppm
5	CM5 449F		12	Silty sand. Coarse to fine sand. Brown. moist.	SM			PTD = 1.5 ppm

NOTES

Drilling Contractor 2-PRC

Drilling Equipment Geoprobe

Driller: _____



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 732 893	PROJECT NAME: Centredale Manor, North Providence, R.I.		
BORING NUMBER: CMS 449	COORDINATES:		DATE:
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: 7/20/99
ENGINEER/GEOLOGIST: B. Boren	Depth	Date/Time	DATE COMPLETED: 7/20/99
DRILLING METHODS: Geoprobe			PAGE 2 OF 2

DEPTH ()	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ()	RECOVERY ()	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
7.6	CMS 449G		12	Silty sand, coarse to fine sand, dark brown, moist.	SM			PI = 0 ppm
7.8	CMS 449H		12	Silty sand, coarse to fine sand, dark brown, moist.	SM			PI = 1.5 ppm.
8.0	CMS 449I		12	Silty sand, coarse to fine sand, dark brown, moist.	SM			PI = 0 ppm
9.0	CMS 449J		12	Gravel, sand and silt, medium to fine gravel, coarse to fine sand, dark brown, moist.	GM			PI = 0 ppm.
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NOTES

Drilling Contractor: Zebra
 Drilling Equipment: Geoprobe
 Driller:



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: <u>792 893</u>	PROJECT NAME: <u>Centredule Manor, North Providence, RI</u>		
BORING NUMBER: <u>CMS 451</u>	COORDINATES:		DATE:
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: <u>7/20/99</u>
ENGINEER/GEOLOGIST: <u>B. Bismen</u>	Depth	Date/Time	DATE COMPLETED: <u>7/20/99</u>
DRILLING METHODS: <u>Geoprobe</u>			PAGE <u>1</u> OF <u>2</u>

DEPTH ()	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ()	RECOVERY ()	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1				2" asphalt 3" Gravel, sand, and silt.				
2			49	3'7" Silty sand, medium to fine sand. Tan, moist.	SM			No samples collected
4	CMS 451E		12	3" Silty sand, medium to fine sand, tan, moist 9" Gravel, sand, and silt, fine gravel, coarse to fine sand, dark brown, moist.	GM			PID = 0 ppm
5	CMS 451F		12	Gravel, sand, and silt. Fine gravel, coarse to fine sand, dark brown, moist.	GM			PID = 0 ppm

NOTES

Drilling Contractor Zebrun
 Drilling Equipment Geoprobe
 Driller _____



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 782893	PROJECT NAME: Centredale Manor, North Providence, RI		
BORING NUMBER: CMS 456	COORDINATES:		DATE:
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: 7/25/91
ENGINEER/GEOLOGIST: B. Bowen	Depth	Date/Time	DATE COMPLETED: 7/27/91
DRILLING METHODS: Hand Auger			PAGE 1 OF 1

DEPTH (ft)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ()	RECOVERY (%)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1	CMS 456 A		12	Silty sand, coarse to fine sand, Dark brown, wet	SM			FID = 3ppm
2	CMS 456B		12	Silty Sand, coarse to fine sand and organics, dark brown, wet	SM			Sample not screened
				Refusal at 2 ft				

NOTES:

Drilling Contractor 2 eba

Drilling Equipment ~~Soil Auger~~ Hand Auger

Driller



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: <u>752 893</u>		PROJECT NAME: <u>Centredale 9000, North Providence RI</u>	
BORING NUMBER: <u>CMS 449</u>		COORDINATES:	
ELEVATION:		GWL: Depth	Date/Time
ENGINEER/GEOLOGIST: <u>B. Bowen</u>		Depth	Date/Time
DRILLING METHODS: <u>Geoprobe</u>		PAGE <u>1</u> OF <u>2</u>	

DEPTH (ft)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ()	RECOVERY (%)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1	CMS 448A		12	2" asphalt 10" Silty sand, medium to fine sand, tan, moist	SM			FID = 0 ppm
2	CMS 448B		12	Silty sand, medium to fine sand, tan, moist	SM			FID = 0 ppm
3	CMS 448C		12	Silty sand, medium to fine sand, tan, moist	SM			FID = 0 ppm
4	CMS 448D		12	Silty sand, medium to fine sand, tan, moist.	SM			FID = 0 ppm
5	CMS 448E		12	Silty sand, medium to fine sand, tan, moist.	SM			FID = 0 ppm
6	CMS 448F		12	Silty sand, medium to fine sand, moist, tan.	SM			FID = 0 ppm

NOTES

Drilling Contractor Zebra

Drilling Equipment Geoprobe

Driller: _____



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: <u>282 88 893</u>	PROJECT NAME: <u>Centredale Manor, North Providence, RI</u>		
BORING NUMBER: <u>CMS 448</u>	COORDINATES:		DATE:
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: <u>7/20/99</u>
ENGINEER/GEOLOGIST: <u>B. Bowen</u>	Depth	Date/Time	DATE COMPLETED: <u>7/20/99</u>
DRILLING METHODS: <u>Gasprobe</u>			PAGE <u>2</u> OF <u>2</u>

DEPTH (ft)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ()	RECOVERY (%)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
7	CMS 448-6		12	Silty Sand, medium to fine sand, tan / moist.	SM			FID = 0 ppm
8	CMS 448-11		12	1 st Silty Sand, medium to fine sand, tan, moist. 2 nd Gravel, sand, silt, medium to fine Gravel, Coarse to fine Sand, Dark brown	SM			FID = 0 ppm
9	CMS 448-1		12	Gravel, sand, silt, medium to fine gravel, Coarse to fine Sand, Dark brown, moist	SM SM			FID = 0 ppm
10			12	Gravel, Sand, silt, medium to fine gravel, Coarse to fine Sand, tan to brown, moist	GM			FID = 0 ppm
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NOTES:

Drilling Contractor Zebr

Drilling Equipment Gasprobe

Driller: _____



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 752893	PROJECT NAME: Centrede Manor, North Providence, R.I.		
BORING NUMBER: CMS 454	COORDINATES:		DATE:
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: 7/21/99
ENGINEER/GEOLOGIST: H. Bowler	Depth	Date/Time	DATE COMPLETED: 7/21/99
DRILLING METHODS: Geoprobe			PAGE 1 OF 1

DEPTH (ft)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ()	RECOVERY (%)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
			12	2" asphalt 13" Silty sand, medium to fine sand, tan, moist	SM			No sample collected.
1	CMS 454B		12	Gravel, sand, and silt, medium to fine gravel, coarse to fine sand. Dark Brown, moist	GM			PID = 0 ppm
2	CMS 454C		12	Gravel, sand, silt, medium to fine gravel, coarse to fine sand. Dark Brown, moist	GM			PID = 0 ppm
3	CMS 454D		12	Gravel, sand, silt, fine gravel, coarse to fine sand. Dark Brown, moist	GM			PID = 0 ppm
4	CMS 454E		12	Silty sand, coarse to fine sand, tan to light grey light brown, moist	SM			PID = 0 ppm
5	CMS 454F		12	Silty sand, coarse to fine sand, tan to light brown, moist Refusal	SM			PID = 0. Refusal at 64 due to granite rubble 2-4" bgs

NOTES:

Drilling Contractor Zebra
 Drilling Equipment Geoprobe
 Driller: _____

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: <u>782 893</u>		PROJECT NAME: <u>Centredale Manor, North Providence RI</u>	
BORING NUMBER: <u>CMS 450</u>		COORDINATES:	DATE:
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: <u>7/21/99</u>
ENGINEER/GEOLOGIST: <u>B. Bowen</u>	Depth	Date/Time	DATE COMPLETED: <u>7/21/99</u>
DRILLING METHODS: <u>Geoprobe</u>			PAGE <u>1</u> OF <u>2</u>

DEPTH (ft)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ()	RECOVERY (%)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (%)	WELL CONSTRUCTION	REMARKS
1			12	Silty sand, medium to fine sand, tan, moist	SM			No sample collected
2			12					
3			12					
4	CMS 450D		12	Gravel, sand, silt. medium to fine gravel, coarse to fine ^{tan} sand. Dark brown, moist	GM			FID=0ppm
5	CMS 450E		12	Gravel, sand, and silt, medium to fine gravel, coarse to fine sand. Dark brown, moist	GM			FID=0ppm
6	CMS 450F		12	Gravel, sand, and silt. medium to fine gravel, coarse to fine sand. Dark brown, moist	GM			FID=0ppm

NOTES:

Drilling Contractor Zebra

Drilling Equipment Geoprobe

Driller: _____



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 752 893	PROJECT NAME: Centredale Manor, North Providence, RI		
BORING NUMBER: CMS 450	COORDINATES:		DATE:
ELEVATION:	GWL: Depth	Date: Time	DATE STARTED: 7/21/99
ENGINEER/GEOLOGIST: B. Bowen	Depth	Date: Time	DATE COMPLETED: 7/21/99
DRILLING METHODS: Gesproh			PAGE 2 OF 2

DEPTH (ft)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ()	RECOVERY (%)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
7	CMS 450 G		12	Gravel, Sand, and Silt, medium to fine gravel. Coarse to fine sand. Dark Brown, moist.	Gm	/	/	FID = 0 ppm.
8	CMS 450 H		12	Gravel, Sand, and Silt, medium to fine Gravel, medium to fine sand. Dark Brown, moist.	Gm	/	/	FID = 0 ppm
9	CMS 450 I		12	Gravel, Sand, and Silt, medium to fine gravel. Coarse to fine sand. Dark Brown Wet.	Gm	/	/	FID = 0 ppm
9	CMS 450 J		12	Gravel, Sand, and Silt, medium to fine gravel. Coarse to fine sand. Dark Brown, Wet.	Gm	/	/	FID = 0 ppm
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NOTES:

Drilling Contractor Zebra

Drilling Equipment Geoprobe

Callen: _____

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER <u>292 873</u>	PROJECT NAME <u>Centredale Manor, North Providence RI</u>		
BORING NUMBER: <u>CMS 453</u>	COORDINATES:		DATE:
ELEVATION:	GWL Depth	Date/Time	DATE STARTED: <u>7/21/91</u>
ENGINEER/GEOLOGIST: <u>B. Brown</u>	Depth	Date/Time	DATE COMPLETED: <u>7/21/91</u>
DRILLING METHODS			PAGE <u>1</u> OF <u>2</u>

DEPTH (ft)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ()	RECOVERY (%)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1			12	12" asphalt. Silty sand, medium to fine sand, tan, moist.				911 samples collected
2			12					
3			12					
4	CMS 453 D		12	Gravel, Sand, and Silt. Fine gravel. Coarse to fine sand. Dark Brown, moist.	GM	/	/	FID = 0 ppm.
5	CMS 453 E		12	Gravel, Sand, and Silt. Fine gravel, coarse to fine sand. Dark Brown, moist.	GM	/	/	FID = 12.5 ppm.
6	CMS 453 F		12	Gravel, Sand and Silt. Fine gravel, coarse to fine sand. Dark Brown, moist.	GM	/	/	FID = 13.5 ppm.

NOTES:

Drilling Contractor Zebra
 Drilling Equipment Geoprobe
 Driller: _____



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: <u>792495</u>		PROJECT NAME: <u>Centredale Manor, North Providence R.I.</u>	
BORING NUMBER: <u>CMS 453</u>		COORDINATES:	DATE:
ELEVATION:		GWL: Depth Date: Time	DATE STARTED: <u>7/21/99</u>
ENGINEER/GEOLOGIST: <u>B. Given</u>		Depth Date: Time	DATE COMPLETED: <u>7/21/99</u>
DRILLING METHODS: <u>Geoprobe</u>			PAGE <u>2</u> OF <u>2</u>

DEPTH (ft)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ()	RECOVERY (%)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
7	CMS 453 G		12	Gravel, Sand, and silt. fine gravel, coarse to fine gravel Dark Brown, moist	Gm			FID = 22 ppm
8	CMS 453 H		12	Gravel, sand, and silt. fine gravel, coarse to fine sand. moist. Dark Brown	Gm			FID = 14 ppm
9	CMS 453 I		12	Gravel, Sand and silt. medium to fine gravel, coarse to fine sand. tan to light brown	Cm			FID = 13 ppm
10	CMS 453 J		12	Gravel, Sand, and silt. medium to fine gravel, coarse to fine sand. Orange brown. moist to wet	Gm			FID = 10.5 ppm

NOTES:

Drilling Contractor Zebra

Drilling Equipment Geoprobe

Driller: _____

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: <u>75-933</u>	PROJECT NAME: <u>Centredale Manor, North Providence RI</u>		
BORING NUMBER: <u>CTM 452</u>	COORDINATES:		DATE:
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: <u>7/21/91</u>
ENGINEER/GEOLOGIST: <u>E. Bowman</u>	Depth	Date/Time	DATE COMPLETED: <u>7/21/91</u>
DRILLING METHODS: <u>Geoprobe</u>			PAGE: <u>1</u> OF <u>2</u>

DEPTH (ft)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ()	RECOVERY (%)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1			12	2" Gravel + Silty sand. Medium to fine sand. Tan. ^{SP} fine medium moist.				No sample collected
2			12					
3			12					
4			12	Gravel, Sand, and silt, Medium to fine gravel, Coarse to fine sand. + Brick fragments. ^{GM} Dark Brown. Moist.		/	/	FID = 0 ppm
5	CTM 452E		12	Gravel, Sand, Silt. Fine gravel, Coarse to fine sand.				FID = 12 ppm

NOTES:

Drilling Contractor: Zebra

Drilling Equipment: Geoprobe

Driller: _____



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 782913	PROJECT NAME: Centredale Mns.	
BORING NUMBER: CMS 452	COORDINATES:	DATE:
ELEVATION:	GWL Depth Date/Time	DATE STARTED: 7/21/99
ENGINEER/GEOLOGIST: B. A. Zien	Depth Date/Time	DATE COMPLETED: 7/21/99
DRILLING METHODS: Geoprobe	PAGE 2 OF 2	

DEPTH (ft)	SAMPLE TYPE & NO	BLOWS ON SAMPLER PER ()	RECOVERY (%)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
7	CMS 4525		12	Silty Sand, Medium to fine sand. Dark Brown, moist.	STr			FID = 8 ppm
8	CMS 4526		12	Silty Sand, Coarse to fine sand, tan to light brown	STr			FID = 5 ppm
9	CMS 4527		12	Silty Sand, Coarse to fine sand, tan, moist	STr			FID = 0 ppm
10	CMS 4528		12	Silty Sand, Medium to fine sand, light brown, wet	STr			FID = 8 ppm

NOTES

Drilling Contractor LebraDrilling Equipment Geoprobe

Driller: _____

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: <u>782 893</u>	PROJECT NAME: <u>Centerville Manor, North Providence RI</u>		
BORING NUMBER: <u>CMS 215</u>	COORDINATES:		DATE:
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: <u>7/22/99</u>
ENGINEER/GEOLOGIST: <u>B. Bower</u>	Depth	Date/Time	DATE COMPLETED: <u>7/24/99</u>
DRILLING METHODS: <u>Geoprobe</u>	PAGE		1 OF 1

DEPTH (ft)	SAMPLE TYPE & NO	BLOWS ON SAMPLER PER ()	RECOVERY (%)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1	CMS 2.5A (CMS/MS)		12	Silty sand, organic material. Fine sand. Brown, moist.	SM			PID = 0 ppm
2	CMS 2.5B CMS 2.5BGP		12	Silty sand and organic material. Fine sand. Brown, wet.	SM			PID = 0 ppm
3	CMS 2.5C CMS 2.5C-GC		12	6" Silty sand and organic material. Fine sand. Brown, wet. 6" Fine to medium sand, light brown to grey, wet.	SM			Sample not sent Send it. PID = 0 ppm
4	CMS		12	Silty sand. coarse to fine sand. brown, wet.	SM			PID = 0 ppm
				water table at 4 ft bgs.				

NOTES:

Drilling Contractor Zebra

Drilling Equipment Geoprobe

Driller: _____



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER <u>782 835</u>	PROJECT NAME: <u>Centredale Manor, North Providence, R.I.</u>		
BORING NUMBER <u>CMS 457</u>	COORDINATES:		DATE:
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: <u>7/22/99</u>
ENGINEER/GEOLOGIST: <u>R. Rinta</u>	Depth	Date/Time	DATE COMPLETED: <u>7/22/99</u>
DRILLING METHODS: <u>Geoprobe</u>			PAGE <u>1</u> OF <u>1</u>

DEPTH (<u>L</u>)	SAMPLE TYPE & NO	BLOWS ON SAMP'N PTR (<u> </u>)	RECOVERY (<u> </u>)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1	CMS 457A		12	Coarse to fine gravel, coarse to fine sand, silt, and clay. Coarse to fine gravel. Coarse to fine sand. Brown	G-M	/	/	P10 = approx.
2				Refuse at 1 foot bgs.				
3								
4								
5								

NOTES:

Drilling Contractor Zebco

Drilling Equipment Geoprobe

Driller: _____