



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 782 893	PROJECT NAME: Centredale Manor, North Providence R.I.	
BORING NUMBER: CMS-430	COORDINATES:	DATE:
ELEVATION:	GWL: Depth Date/Time	DATE STARTED: 7/9/99
ENGINEER/GEOLOGIST: B. Bowen	Depth Date/Time	DATE COMPLETED: 7/9/99
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
1	CMS 430A		12	Fill, #6 grass 0-2", Gravel sand and silt, medium to fine Gravel, coarse to fine sand, brown, moist.	GM			PID 0.0ppm
2	CMS 430B		12	Gravel, sand and silt, coarse to fine gravel, coarse to fine sand, brown, moist.	GM			PID 0.0ppm
3	CMS 430C		12	Gravel, sand and silt, fine gravel, coarse to fine sand, Dark brown, wet.	GM			PID 0.0ppm EOB 3ft
4								
5								

NOTES:

Drilling Contractor Zebru

Drilling Equipment Geoprobe

Driller _____



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 782 893	PROJECT NAME: Centredale Manor, North Providence RI	
BORING NUMBER: CMS-431	COORDINATES:	
ELEVATION:	GWL: Depth	Date/Time
ENGINEER/GEOLOGIST: B. Bowen	Depth	Date/Time
DRILLING METHODS: Geoprobe		DATE STARTED: 7/9/99
		DATE COMPLETED: 7/9/99
		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 431A		12	Fill Grains 0-2", gravel sand and silt, medium to fine gravel, coarse to fine sand, brown, moist.	GM			PID 0.0ppm
2	CMS 431B		12	Sandy silt, coarse to fine sand, wood debris, fine sand, brown, moist.	SM			PID 0.0ppm
3	CMS 431C		12	Silty sand, wood fragments coarse to fine sand, dark brown, wet at 3ft.	SM			PID 3.4ppm EOB 3ft
4	CMS 431D		12					
5								

NOTES

Drilling Contractor Zebra

Drilling Equipment Geoprobe

Driller _____



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 782 893	PROJECT NAME: Centerville Manor - North Providence R.I.		
BORING NUMBER: CMS-432	COORDINATES:		DATE:
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: 7/9/99
ENGINEER/GEOLOGIST: B. Bowen	Depth	Date/Time	DATE COMPLETED: 7/9/99
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
1	CMS 432A		12	Fill, Gravel 0-2", Gravel, sand and silt, Brick-concrete debris, coarse to fine gravel, coarse to fine sand, dark brown, moist.	GM			PID 0.0ppm
2	CMS 432B		12	Gravel, sand and silt, medium to fine gravel, coarse to fine sand, brown, moist.	GM			PID 0.0ppm
3	CMS 432C		12	Gravel, sand and silt, medium to fine gravel, coarse to fine sand, grayish brown, moist.	GM			PID 0.0ppm
4	CMS 432D		12	Gravel, sand and silt, brick fragments, medium to fine gravel, coarse to fine sand, dark brown, moist.	GM			PID 0.0ppm
5	CMS 432E		12	Silty Sand, coarse to fine sand, gray, wet.	SM			PID 0.0ppm EOB 5ft.

NOTES

Drilling Contractor Zebra
 Drilling Equipment Geoprobe
 Driller _____



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 782-893	PROJECT NAME: Centredale Manor North Providence RI	
BORING NUMBER: CMS-442	COORDINATES:	DATE:
ELEVATION:	GWL: Depth Date/Time	DATE STARTED: 7/13/99
ENGINEER/GEOLOGIST: B. Bowen	Depth Date/Time	DATE COMPLETED: 7/13/99
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
1	CMS 442A			Silty sand, coarse to fine sand, rootlets, brown, moist	SM			PID 0.0ppm EOB 1ft Refusal
2								
3								
4								
5								

NOTES:

Drilling Contractor Zebra

Drilling Equipment Geoprobe

Driller _____



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VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 782 843	PROJECT NAME: <i>Cestrechale Manor, North Providence RI</i>	
BORING NUMBER: <i>CMS 439</i>	COORDINATES:	
ELEVATION:	GWL: Depth Date/Time	DATE STARTED: 7/13/99
ENGINEER/GEOLOGIST: <i>B. Bowen</i>	Depth Date/Time	DATE COMPLETED:
DRILLING METHODS: <i>Geoprobe</i>		PAGE 1 OF 1

DEPTH (ft)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ()	RECOVERY (%)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1	<i>CMS 439A</i>		<i>12</i>	<i>Silty sand, coarse to fine sand, rootlets, brown, moist.</i>	<i>SM</i>			<i>PID 0.0ppm</i>
2	<i>CMS 439B</i>		<i>12</i>	<i>Silty sand, coarse to fine sand, rootlets, brown, wet at 2ft.</i>	<i>SM</i>			<i>PID 0.0ppm</i>
3								
4								
5								

NOTES

Drilling Contractor *Zebra*

Drilling Equipment *Geoprobe*

Driller _____



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 782 893	PROJECT NAME: Centredale Manor, North Providence RI		
BORING NUMBER: CMS-438	COORDINATES:		DATE:
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: 7/13/99
ENGINEER/GEOLOGIST: B. Bowen	Depth	Date/Time	DATE COMPLETED: 7/13/99
DRILLING METHODS: Geoprobe			PAGE 1 OF 1

DEPTH (ft)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ()	RECOVERY (in)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1	CMS 438A		12	Silty sand, coarse to fine sand, rootlets, brown, moist	SM			PID 0.0ppm
2	CMS 438B		12	Silty sand, coarse to fine sand, rootlets, brown	SM			PID 0.0ppm EOB 2ft
3	CMS 438C							
4								
5								

NOTES

Drilling Contractor Zebra

Drilling Equipment Geoprobe

Driller _____



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 782 893	PROJECT NAME: Centredale Manor	
BORING NUMBER: Cms 446	COORDINATES:	DATE:
ELEVATION:	GWL: Depth Date/Time	DATE STARTED: 7/14/99
ENGINEER/GEOLOGIST: B. Bowen	Depth Date/Time	DATE COMPLETED: 7/14/99
DRILLING METHODS: Stinkens Steel Travel	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 446H		3"	Gravel sand and silt, coarse to fine gravel, coarse to fine sand, brown, dry	GM			FID 0.0ppm EOB 3"
2								
3								
4								
5								

NOTES.

Drilling Contractor N/ADrilling Equipment NA

Order _____



INTERNATIONAL
TECHNOLOGY
CORPORATION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 782 893	PROJECT NAME: Centralak Munier, North Providence RI	
BORING NUMBER: CMS 447	COORDINATES:	DATE:
ELEVATION:	GWL: Depth Date/Time	DATE STARTED: 7/14/99
ENGINEER/GEOLOGIST: B. Bowen	Depth Date/Time	DATE COMPLETED: 7/14/99
DRILLING METHODS: Stainless steel scoop		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 447		3"	Gravel sand and silt, coarse to fine gravel, coarse to fine sand, brown, dry.	GM			FID 0.0ppm EOB 3"
2								
3								
4								
5								

NOTES

Drilling Contractor Na

Drilling Equipment Na

Driller _____



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VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 782 893	PROJECT NAME: Centredale Manor North Providence RI	
BORING NUMBER: CMS-023	COORDINATES:	DATE:
ELEVATION:	GWL: Depth Date/Time	DATE STARTED: 7/14/97
ENGINEER/GEOLOGIST: B. Bowen	Depth Date/Time	DATE COMPLETED: 7/14/97
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
1	CMS 023A		12	Gravel sand and silt, rootlets, medium to fine sand, brown, moist.	GM			FID 0.0ppm
2	CMS 023B		12	Silty sand, medium to fine sand, rootlets, brown, moist.	SM			FID 0.0ppm
3	CMS 023C		12	Silty sand, medium to fine sand, brown, wet.	SM			FID 0.0ppm EOB 3ft.
4								
5								

NOTES:

Drilling Contractor: Zebra
Drilling Equipment: Geoprobe
Other:



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 782 893	PROJECT NAME: Centurlock Manor, North Providence RI	
BORING NUMBER: CMS-024	COORDINATES:	DATE:
ELEVATION:	GWL: Depth Date/Time	DATE STARTED: 7/14/99
ENGINEER/GEOLOGIST: B. Bowen	Depth Date/Time	DATE COMPLETED: 7/14/99
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
1	CMS 024A		12	Gravel, sand and silt, brown moist.	GM			FID 0.0ppm
2	CMS 024B		12	Sandy silt, medium to fine sand, dark brown, wet.	SM			FID 0.0ppm EOB 2ft
3								
4								
5								

NOTES

Drilling Contractor Zebra
Drilling Equipment Geoprobe
Driller _____



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 782 893	PROJECT NAME: Centredale Manor, North Providence R.I.	
BORING NUMBER: CWS 445	COORDINATES:	DATE:
ELEVATION:	GWL: Depth Date/Time	DATE STARTED: 7/14/99
ENGINEER/GEOLOGIST: B. Bowen	Depth Date/Time	DATE COMPLETED: 7/14/99
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
1	CWS 455A		12	Gravel, sand and silt, medium to fine gravel, coarse to fine sand, rootlets, brown moist.	GM			PID 0.0ppm EOB 1ft.
2								
3								
4								
5								

NOTES:

Drilling Contractor Zebm

Drilling Equipment Geoprobe

Driller _____

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 782 893	PROJECT NAME: Centerville Manor, North Providence RI		
BORING NUMBER: CMS 444	COORDINATES:		DATE:
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: 7/14/99
ENGINEER/GEOLOGIST: B. Bowen	Depth	Date/Time	DATE COMPLETED: 7/14/99
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
1	CMS 444A		12	Gravel sand and silt, medium to fine gravel, coarse to fine sand, rootlets, brown, moist	GM	/	/	PID 0.0ppm EOB 1ft Refusal
2								
3								
4								
5								

NOTES:

 Drilling Contractor: E. Zebay

 Drilling Equipment: Geoprobe

Driller: _____



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: <u>782 893</u>	PROJECT NAME: <u>Centredale Mass - North Providence R.</u>	
BORING NUMBER: <u>CMS-443</u>	COORDINATES:	DATE:
ELEVATION:	GWL: Depth Date/Time	DATE STARTED: <u>7/14/99</u>
ENGINEER/GEOLOGIST: <u>B. Zaven</u>	Depth Date/Time	DATE COMPLETED: <u>7/14/99</u>
DRILLING METHODS:		PAGE <u>1</u> OF <u>1</u>

DEPTH (ft)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ()	RECOVERY (%)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1	CMS 443A			Silty sand, coarse to fine sand, brown, moist.	SM			PID 0.0ppm EOB 1 ft below
2								
3								
4								
5								

NOTES

Drilling Contractor Zebra

Drilling Equipment Geoprobe

Driller _____



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 782 893	PROJECT NAME: Centerville Manor, North Providence, RI		
BORING NUMBER: CMS 455	COORDINATES:		DATE:
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: 7/19/99
ENGINEER/GEOLOGIST: B. Bowen	Depth	Date/Time	DATE COMPLETED: 7/19/99
DRILLING METHODS: Geoprobe			PAGE 1 OF 2

DEPTH (ft)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER ()	RECOVERY (%)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
1			12	2" Asphalt, Gravel, sand, and silt, medium to fine gravel, coarse to fine sand. Brown to orange brown, moist	GM			No sample collected.
2			12	Gravel, sand, and silt. Medium to fine sand, coarse gravel, coarse to fine sand. Irony brown to brown. Moist.	GM			No sample collected.
3	CMS 455C		12	Gravel, sand, and silt. Medium to fine gravel, coarse to fine sand, Dark Brown, moist to wet.	GM			FID = 15 ppm
4	CMS 455D		12	Gravel, Sand and silt. Fine gravel. Coarse to fine sand, Dark brown. Moist.	GM			FID = 12 ppm.
5	CMS 455E		12	Silty sand. Coarse to fine sand, dark brown, moist to wet at 5 ft	SM			Sample not screened
6	CMS 455F		12	6" Silty sand, medium to fine sand, Dark brown, wet. 6" Gravel, sand silt, medium to fine sand medium to fine gravel, wet	SM GM			FID = 1.5 ppm.

NOTES

Drilling Contractor Zebra

Drilling Equipment Geoprobe

Driller: _____

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: <u>792893</u>		PROJECT NAME: <u>Centredale Manor, North Providence, RI</u>	
BORING NUMBER: <u>CMS 455</u>		COORDINATES:	DATE: <u>7/19/99</u>
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: <u>7/19/99</u>
ENGINEER/GEOLOGIST: <u>P. Bowen</u>	Depth	Date/Time	DATE COMPLETED: <u>7/19/99</u>
DRILLING METHODS: <u>Gas probe</u>			PAGE <u>2</u> OF <u>2</u>

DEPTH (ft)	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER SAMPLER PER ()	RECOVERY (%)	DESCRIPTION	USCS SYMBOL	MEASURED CONSISTENCY (TSF)	WELL CONSTRUCTION	REMARKS
6	CMS 455G		12	Gravel, sand, and silt, medium to fine gravel, coarse to fine sand. tan, wet.	GM			FID = 1.5 ppm
7	CMS 455H		12	Silty sand, medium to fine sand. tan. wet.	SM			FID = 1.5 ppm
8	CMS 455I		12	Silty sand, coarse to fine sand, tan, wet.	SM			Sample not sorted
9	CMS 455J		12	Gravel, Silty Sand, coarse to fine sand, medium Gravel, tan, wet.	GM			FID = 7.2 ppm
10								

NOTES

Drilling Contractor Zebra

Drilling Equipment Gas probe

Driller _____



VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 782 813	PROJECT NAME: Centredale Manor		
BORING NUMBER: CMS 428	COORDINATES:		DATE:
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED: 7/20/99
ENGINEER/GEOLOGIST: B. Bowen	Depth	Date/Time	DATE COMPLETED: 7/28/99
DRILLING METHODS: Geo probe			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 428A		12	Gravel, sand, and silt, 3" grass, roots, leaves, soil 9" medium to fine gravel, coarse to fine sand, brown, moist.	Gm			PIB = 1.5 ppm
2	CMS 428B		12	Gravel, sand and silt, medium to fine gravel, coarse to fine sand, brown to tan, moist	Gm			PIB = 1.5 ppm.
3	CMS 428C		12	Gravel, sand, silt, fine gravel, coarse to fine sand - moist to wet at 3 ft.	Gm			PIB = 1.5 ppm
4	CMS 428D		12	Gravel, sand, and silt. Medium to fine gravel, coarse to fine sand, brown to orange wet,	Gm			PIB = 0 ppm
5	CMS 428E		12	Gravel, sand, silt. Coarse to fine gravel, coarse to fine sand, brown to orange brown wet,	Gm			PIB = 1.1 ppm
6	CMS 428F		12	Gravel, sand, silt. Coarse to fine gravel, coarse to fine sand, brown, wet	Gm			PIB = 0.5 ppm

NOTES:

Drilling Contractor Zach

Drilling Equipment Geoprobe

Driller _____