MORETRENCH

DATE: 4/7/10
SHEET: 1 OF 1
SHIFT: 1st 2nd 3rd

Drilling and Grout Log

Job No.: 83-4545	Project Name: White Plains Former MGP		
Location: 12 Water Street, White Plains NY 10601		Weather:	Cloudy
Client: WRS Compass		Engineer:	Parsons

Working Parameters **Element Type: Col** **Nozzle Dia:** 6mm

Grout Mix:			
Water	380	lit	
Cement	95	kg	
Slag	285	kg	
Specific Gravity	1.49		

Element ID No.	ASI-50
GS (EL)	189.91
Rotation Speed (rpm)	12
Grout Pressure (Bar)	400
Grout Flow (gal/min)	98
Air Pressure (Bar)	7

Drilling Parameters:

Depth to Top of ISS:	NA	EL
Depth to Bottom of ISS:	169.81	EL
Depth of Nozzle:	162.31	EL
Depth to Bottom:	160.81	EL
Time Start:	14:24	
Time Finish:	14:57	
Drilling Duration:	0:33	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	162.31	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	164.91	EL
12 in/min Pull Rate to:	172.81	EL
Depth to Top of JGC:	172.82	EL
Time Start:	14:57	
Time Finish:	15:08	
Grouting Duration:	0:11	h:mm

Summary:

Constructed JG Height:	10.51	ft
Number of Overlaps:	0	

Depth	Notes
0 ft	
10 ft	
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: John Stanbury

MORETRENCH

DATE: 4/7/10
SHEET: 1 OF 1
SHIFT: 1st 2nd 3rd

Drilling and Grout Log

Job No.: 83-4545	Project Name: White Plains Former MGP		
Location: 12 Water Street, White Plains NY 10601		Weather:	Cloudy
Client: WRS Compass		Engineer:	Parsons

Working Parameters **Element Type: Col** **Nozzle Dia:** 6mm

Grout Mix:			
Water	380	lit	
Cement	95	kg	
Slag	285	kg	
Specific Gravity	1.48		

Element ID No.	ASI-51
GS (EL)	189.89
Rotation Speed (rpm)	12
Grout Pressure (Bar)	400
Grout Flow (gal/min)	98
Air Pressure (Bar)	7

Drilling Parameters:

Depth to Top of ISS:	NA	EL
Depth to Bottom of ISS:	172.39	EL
Depth of Nozzle:	164.89	EL
Depth to Bottom:	164.89	EL
Time Start:	13:30	
Time Finish:	13:59	
Drilling Duration:	0:29	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	164.89	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	175.39	EL
Depth to Top of JGC:	175.52	EL
Time Start:	14:00	
Time Finish:	14:11	
Grouting Duration:	0:11	h:mm

Summary:

Constructed JG Height:	10.63	ft
Number of Overlaps:	0	

Depth	Notes
0 ft	
10 ft	
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Jetted from 25' per Parsons

Technican Signature: John Stanbury

MORETRENCH

DATE: 4/7/10
SHEET: 1 OF 1
SHIFT: 1st 2nd 3rd

Drilling and Grout Log

Job No.: 83-4545	Project Name: White Plains Former MGP		
Location: 12 Water Street, White Plains NY 10601		Weather:	Cloudy
Client: WRS Compass		Engineer:	Parsons

Working Parameters **Element Type: Col** **Nozzle Dia:** 6mm

Grout Mix:			
Water	380	lit	
Cement	95	kg	
Slag	285	kg	
Specific Gravity	1.49		

Element ID No.	ASI-52
GS (EL)	189.54
Rotation Speed (rpm)	12
Grout Pressure (Bar)	400
Grout Flow (gal/min)	98
Air Pressure (Bar)	7

Drilling Parameters:

Depth to Top of ISS:	NA	EL
Depth to Bottom of ISS:	173.24	EL
Depth of Nozzle:	169.49	EL
Depth to Bottom:	161.50	EL
Time Start:	12:19	
Time Finish:	12:56	
Drilling Duration:	0:37	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	169.04	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	176.24	EL
Depth to Top of JGC:	176.32	EL
Time Start:	12:57	
Time Finish:	13:06	
Grouting Duration:	0:09	h:mm

Summary:

Constructed JG Height:	7.28	ft
Number of Overlaps:	0	

Depth	Notes
0 ft	
10 ft	
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Pull up to 20.5 to jet

Technican Signature: John Stanbury

MORETRENCH

DATE: 4/7/10
SHEET: 1 OF 1
SHIFT: 1st 2nd 3rd

Drilling and Grout Log

Job No.: 83-4545	Project Name: White Plains Former MGP		
Location: 12 Water Street, White Plains NY 10601		Weather:	Cloudy
Client: WRS Compass		Engineer:	Parsons

Working Parameters **Element Type: Col** **Nozzle Dia:** 6mm

Grout Mix:			
Water	380	lit	
Cement	95	kg	
Slag	285	kg	
Specific Gravity	1.49		

Element ID No.	ASI-53
GS (EL)	189.19
Rotation Speed (rpm)	12
Grout Pressure (Bar)	400
Grout Flow (gal/min)	98
Air Pressure (Bar)	7

Drilling Parameters:

Depth to Top of ISS:	NA	EL
Depth to Bottom of ISS:	177.19	EL
Depth of Nozzle:	163.29	EL
Depth to Bottom:	161.79	EL
Time Start:	10:14	
Time Finish:	10:55	
Drilling Duration:	0:41	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	163.29	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	164.19	EL
12 in/min Pull Rate to:	178.69	EL
Depth to Top of JGC:	178.72	EL
Time Start:	10:55	
Time Finish:	11:12	
Grouting Duration:	0:17	h:mm

Summary:

Constructed JG Height:	15.43	ft
Number of Overlaps:	0	

Depth	Notes
0 ft	
10 ft	
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Stopped drilling to clean monitor

Technican Signature: John Stanbury

MORETRENCH

DATE: 4/7/10
SHEET: 1 OF 1
SHIFT: 1st 2nd 3rd

Drilling and Grout Log

Job No.: 83-4545	Project Name: White Plains Former MGP		
Location: 12 Water Street, White Plains NY 10601		Weather:	Cloudy
Client: WRS Compass		Engineer:	Parsons

Working Parameters **Element Type: Col** **Nozzle Dia:** 6mm

Grout Mix:			
Water	380	lit	
Cement	95	kg	
Slag	285	kg	
Specific Gravity	1.48		

Element ID No.	ASI-54
GS (EL)	189.04
Rotation Speed (rpm)	12
Grout Pressure (Bar)	400
Grout Flow (gal/min)	98
Air Pressure (Bar)	7

Drilling Parameters:

Depth to Top of ISS:	NA	EL
Depth to Bottom of ISS:	175.14	EL
Depth of Nozzle:	162.24	EL
Depth to Bottom:	160.74	EL
Time Start:	8:59	
Time Finish:	9:29	
Drilling Duration:	0:30	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	162.24	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	164.04	EL
12 in/min Pull Rate to:	178.14	EL
Depth to Top of JGC:	178.18	EL
Time Start:	9:29	
Time Finish:	9:53	
Grouting Duration:	0:24	h:mm

Summary:

Constructed JG Height:	15.94	ft
Number of Overlaps:	0	

Depth	Notes
0 ft	
10 ft	
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: John Stanbury

MORETRENCH

DATE: 4/7/10
SHEET: 1 OF 1
SHIFT: 1st 2nd 3rd

Drilling and Grout Log

Job No.: 83-4545	Project Name: White Plains Former MGP		
Location: 12 Water Street, White Plains NY 10601		Weather:	Cloudy
Client: WRS Compass		Engineer:	Parsons

Working Parameters **Element Type: Col** **Nozzle Dia:** 6mm

Grout Mix:			
Water	380	lit	
Cement	95	kg	
Slag	285	kg	
Specific Gravity	1.48		

Element ID No.	ASI-55
GS (EL)	189.51
Rotation Speed (rpm)	12
Grout Pressure (Bar)	400
Grout Flow (gal/min)	98
Air Pressure (Bar)	7

Drilling Parameters:

Depth to Top of ISS:	NA	EL
Depth to Bottom of ISS:	177.51	EL
Depth of Nozzle:	162.41	EL
Depth to Bottom:	160.91	EL
Time Start:	7:57	
Time Finish:	8:28	
Drilling Duration:	0:31	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	162.38	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	164.51	EL
12 in/min Pull Rate to:	179.14	EL
Depth to Top of JGC:	179.14	EL
Time Start:	8:28	
Time Finish:	8:49	
Grouting Duration:	0:21	h:mm

Summary:

Constructed JG Height:	16.76	ft
Number of Overlaps:	0	

Depth	Notes
0 ft	
10 ft	
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Pull back to 26' to start jetting

Technican Signature: John Stanbury

MORETRENCH

DATE: 3/31/10
SHEET: 1 OF 1
SHIFT: 1st 2nd 3rd

Drilling and Grout Log

Job No.: 83-4545	Project Name: White Plains Former MGP		
Location: 12 Water Street, White Plains NY 10601		Weather:	53 Cloudy
Client: WRS Compass		Engineer:	Parsons

Working Parameters **Element Type: Col** **Nozzle Dia:** 6mm

Grout Mix:			
Water	380	lit	
Cement	95	kg	
Slag	285	kg	
Specific Gravity	1.5		

Element ID No.	AS0-54
GS (EL)	189.8
Rotation Speed (rpm)	12
Grout Pressure (Bar)	400
Grout Flow (gal/min)	98
Air Pressure (Bar)	7

Drilling Parameters:

Depth to Top of ISS:	NA	EL
Depth to Bottom of ISS:	174.50	EL
Depth of Nozzle:	161.54	EL
Depth to Bottom:	160.04	EL
Time Start:	11:43	
Time Finish:	12:13	
Drilling Duration:	0:30	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	160.04	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	164.80	EL
12 in/min Pull Rate to:	176.00	EL
Depth to Top of JGC:	176.18	EL
Time Start:	12:13	
Time Finish:	12:35	
Grouting Duration:	0:22	h:mm

Summary:

Constructed JG Height:	16.14	ft
Number of Overlaps:	0	

Depth	Notes
0 ft	
10 ft	
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Samlped hole

Technican Signature: John Stanbury

MORETRENCH

DATE: 3/31/10
SHEET: 1 OF 1
SHIFT: 1st 2nd 3rd

Drilling and Grout Log

Job No.: 83-4545	Project Name: White Plains Former MGP		
Location: 12 Water Street, White Plains NY 10601		Weather:	53 Cloudy
Client: WRS Compass		Engineer:	Parsons

Working Parameters **Element Type: Col** **Nozzle Dia:** 6mm

Grout Mix:			
Water	380	lit	
Cement	95	kg	
Slag	285	kg	
Specific Gravity	1.51		

Element ID No.	AS0-55
GS (EL)	189.02
Rotation Speed (rpm)	12
Grout Pressure (Bar)	400
Grout Flow (gal/min)	98
Air Pressure (Bar)	7

Drilling Parameters:

Depth to Top of ISS:	NA	EL
Depth to Bottom of ISS:	176.22	EL
Depth of Nozzle:	162.50	EL
Depth to Bottom:	161.00	EL
Time Start:	12:45	
Time Finish:	13:09	
Drilling Duration:	0:24	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	161.00	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	164.02	EL
12 in/min Pull Rate to:	174.72	EL
Depth to Top of JGC:	177.87	EL
Time Start:	13:09	
Time Finish:	13:30	
Grouting Duration:	0:21	h:mm

Summary:

Constructed JG Height:	16.87	ft
Number of Overlaps:	0	

Depth	Notes
0 ft	
10 ft	
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Samlped hole

Technican Signature: John Stanbury

MORETRENCH

DATE: 3/31/10
SHEET: 1 OF 1
SHIFT: 1st 2nd 3rd

Drilling and Grout Log

Job No.: 83-4545	Project Name: White Plains Former MGP		
Location: 12 Water Street, White Plains NY 10601		Weather: 54	
Client: WRS Compass		Engineer: Parsons	

Working Parameters **Element Type: Col** **Nozzle Dia:** 6mm

Grout Mix:			
Water	380	lit	
Cement	95	kg	
Slag	285	kg	
Specific Gravity	1.5		

Element ID No.	AS0-56
GS (EL)	188.72
Rotation Speed (rpm)	12
Grout Pressure (Bar)	400
Grout Flow (gal/min)	98
Air Pressure (Bar)	7

Drilling Parameters:

Depth to Top of ISS:	NA	EL
Depth to Bottom of ISS:	179.22	EL
Depth of Nozzle:	163.87	EL
Depth to Bottom:	162.37	EL
Time Start:	13:52	
Time Finish:	14:13	
Drilling Duration:	0:21	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	162.37	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	163.72	EL
12 in/min Pull Rate to:	180.72	EL
Depth to Top of JGC:	180.85	EL
Time Start:	14:13	
Time Finish:	14:30	
Grouting Duration:	0:17	h:mm

Summary:

Constructed JG Height:	18.48	ft
Number of Overlaps:	0	

Depth	Notes
0 ft	
10 ft	
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: John Stanbury

MORETRENCH

DATE: 3/31/10
SHEET: 1 OF 1
SHIFT: 1st 2nd 3rd

Drilling and Grout Log

Job No.: 83-4545	Project Name: White Plains Former MGP		
Location: 12 Water Street, White Plains NY 10601		Weather:	54
Client: WRS Compass		Engineer:	Parsons

Working Parameters **Element Type: Col** **Nozzle Dia:** 6mm

Grout Mix:			
Water	380	lit	
Cement	95	kg	
Slag	285	kg	
Specific Gravity	1.5		

Element ID No.	AS0-57
GS (EL)	188.25
Rotation Speed (rpm)	12
Grout Pressure (Bar)	400
Grout Flow (gal/min)	98
Air Pressure (Bar)	7

Drilling Parameters:

Depth to Top of ISS:	NA	EL
Depth to Bottom of ISS:	NA	EL
Depth of Nozzle:	163.63	EL
Depth to Bottom:	162.13	EL
Time Start:	14:47	
Time Finish:	14:56	
Drilling Duration:	0:09	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	162.13	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	163.25	EL
12 in/min Pull Rate to:	179.82	EL
Depth to Top of JGC:	180.15	EL
Time Start:	14:56	
Time Finish:	15:16	
Grouting Duration:	0:20	h:mm

Summary:

Constructed JG Height:	18.02	ft
Number of Overlaps:	0	

Depth	Notes
0 ft	
10 ft	
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: John Stanbury

MORETRENCH

DATE: 4/1/10
SHEET: 1 OF 1
SHIFT: 1st 2nd 3rd

Drilling and Grout Log

Job No.: 83-4545	Project Name: White Plains Former MGP		
Location: 12 Water Street, White Plains NY 10601		Weather:	58 & Sunny
Client: WRS Compass		Engineer:	Parsons

Working Parameters **Element Type: Col** **Nozzle Dia:** 6mm

Grout Mix:			
Water	380	lit	
Cement	95	kg	
Slag	285	kg	
Specific Gravity	1.47		

Element ID No.	ASO-58
GS (EL)	188.44
Rotation Speed (rpm)	12
Grout Pressure (Bar)	400
Grout Flow (gal/min)	98
Air Pressure (Bar)	7

Drilling Parameters:

Depth to Top of ISS:	NA	EL
Depth to Bottom of ISS:	NA	EL
Depth of Nozzle:	163.96	EL
Depth to Bottom:	162.46	EL
Time Start:	7:46	
Time Finish:	7:57	
Drilling Duration:	0:11	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	163.96	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	181.74	EL
Depth to Top of JGC:	181.81	EL
Time Start:	7:59	
Time Finish:	8:19	
Grouting Duration:	0:20	h:mm

Summary:

Constructed JG Height:	17.85	ft
Number of Overlaps:	0	

Depth	Notes
0 ft	
10 ft	
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Stopped jetting at 10:19am; restarted jetting at 10:25am

Technican Signature: John Stanbury