MORETRENCH

DATE: 4/5/10
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:	69 & 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	1.49		

Element ID No.	EI-2
GS (EL)	188.9
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:	164.79	EL
Depth to Bottom:	163.29	EL
Time Start:	16:42	
Time Finish:	16:52	
Drilling Duration:	0:10	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	164.79	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	180.73	EL
Depth to Top of JGC:	181.71	EL
Time Start:	16:58	
Time Finish:	17:15	
Grouting Duration:	0:17	h:mm

Summary:

Constructed JG Height:	16.92	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: 4/5/10
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:	69 & 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	1.48		

Element ID No.	EI-3
GS (EL)	188.83
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:	164.81	EL
Depth to Bottom:	163.31	EL
Time Start:	15:45	
Time Finish:	16:13	
Drilling Duration:	0:28	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	164.81	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	178.89	EL
Depth to Top of JGC:	178.95	EL
Time Start:	16:13	
Time Finish:	16:28	
Grouting Duration:	0:15	h:mm

Summary:

Constructed JG Height:	14.14	ft
Number of Overlaps:	0	

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

Notes:

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MORETRENCH

DATE: 4/2/10
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:	60 & 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	1.48	

Element ID No.	EI-4
GS (EL)	188.71
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:	163.78	EL
Depth to Bottom:	162.28	EL
Time Start:	8:57	
Time Finish:	9:09	
Drilling Duration:	0:12	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	163.78	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	178.93	EL
Depth to Top of JGC:	178.93	EL
Time Start:	10:12	
Time Finish:	10:28	
Grouting Duration:	0:16	h:mm

Summary:

Constructed JG Height:	15.15	ft
Number of Overlaps:	0	

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

Notes:

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MORETRENCH

DATE: 4/2/10
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:	60 & 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	1.48		

Element ID No.	EI-5
GS (EL)	188.56
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:	166.64	EL
Depth to Bottom:	165.14	EL
Time Start:	7:59	
Time Finish:	8:18	
Drilling Duration:	0:19	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	166.64	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	183.68	EL
Depth to Top of JGC:	183.74	EL
Time Start:	8:18	
Time Finish:	8:37	
Grouting Duration:	0:19	h:mm

Summary:

Constructed JG Height:	17.10	ft
Number of Overlaps:	0	

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

Notes:

Sample hole

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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	1.48		

Element ID No.	EI-6
GS (EL)	188.42
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:	171.77	EL
Depth to Bottom:	170.27	EL
Time Start:	12:15	
Time Finish:	12:40	
Drilling Duration:	0:25	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	172.77	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	180.68	EL
Depth to Top of JGC:	180.71	EL
Time Start:	12:42	
Time Finish:	12:50	
Grouting Duration:	0:08	h:mm

Summary:

Constructed JG Height:	7.94	ft
Number of Overlaps:	0	

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

Notes:

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MORETRENCH

DATE: 4/5/10
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:	69 & 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	1.48		

Element ID No.	EI-8
GS (EL)	189.66
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:	169.02	EL
Depth to Bottom:	167.52	EL
Time Start:	15:02	
Time Finish:	15:22	
Drilling Duration:	0:20	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	169.02	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	180.59	EL
Depth to Top of JGC:	180.64	EL
Time Start:	15:23	
Time Finish:	15:39	
Grouting Duration:	0:16	h:mm

Summary:

Constructed JG Height:	11.62	ft
Number of Overlaps:	0	

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

Notes:

Drilled extra rock higher than anticipated

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MORETRENCH

DATE: 4/5/10
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:	69 & 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	1.5		

Element ID No.	EI-9
GS (EL)	189.6
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:	169.69	EL
Depth to Bottom:	168.19	EL
Time Start:	14:00	
Time Finish:	14:15	
Drilling Duration:	0:15	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	169.69	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	184.70	EL
Depth to Top of JGC:	185.47	EL
Time Start:	14:17	
Time Finish:	14:34	
Grouting Duration:	0:17	h:mm

Summary:

Constructed JG Height:	15.78	ft
Number of Overlaps:	0	

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

Notes:

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MORETRENCH

DATE: 3/24/10
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:	49 & Sunny, Wind
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.	EI-10
GS (EL)	188.04
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:	NA	EL
Depth of Nozzle:	168.22	EL
Depth to Bottom:	168.22	EL
Time Start:	9:09	
Time Finish:	9:21	
Drilling Duration:	0:10	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	168.22	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	183.68	EL
Depth to Top of JGC:	183.68	EL
Time Start:	9:21	
Time Finish:	9:38	
Grouting Duration:	0:17	h:mm

Summary:

Constructed JG Height:	15.46	ft
Number of Overlaps:	3	

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

Notes:

9:13am - Lost scales on mixer

9:15am - Started back to drilling

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MORETRENCH

DATE: 3/24/10
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:	50 & Sunny, Wind
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.	EI-10A
GS (EL)	188.08
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
Nozzle:	170.66	EL
TOR:	170.66	EL
Time Start:	11:05	
Time Finish:	11:17	
Drilling Duration:	0:12	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	170.66	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	183.81	EL
Depth to Top of JGC:	183.81	EL
Time Start:	11:17	
Time Finish:	11:31	
Grouting Duration:	0:14	h:mm

Summary:

Constructed JG Height:	13.15	ft
Number of Overlaps:	3	

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

Notes:

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MORETRENCH

DATE: 3/23/10
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:	52 RAIN
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.	EI-10C
GS (EL)	188.32
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:	179.02	EL
Nozzle:	171.49	EL
TOR:	171.49	EL
Time Start:	11:43	
Time Finish:	11:53	
Drilling Duration:	0:10	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	171.49	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	180.71	EL
Depth to Top of JGC:	180.71	EL
Time Start:	11:53	
Time Finish:	12:03	
Grouting Duration:	0:10	h:mm

Summary:

Constructed JG Height:	9.22	ft
Number of Overlaps:	6	

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

Notes:

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MORETRENCH

DATE: 3/24/10
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:	49 & 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	1.49		

Element ID No.	EI-11
GS (EL)	188.38
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:	174.58	EL
Nozzle:	166.98	EL
TOR:	166.98	EL
Time Start:	8:34	
Time Finish:	8:46	
Drilling Duration:	0:12	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	166.92	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	175.65	EL
Depth to Top of JGC:	175.65	EL
Time Start:	8:46	
Time Finish:	8:57	
Grouting Duration:	0:11	h:mm

Summary:

Constructed JG Height:	8.73	ft
Number of Overlaps:	3	

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

Notes:

Technican Signature: John Stanbury

MORETRENCH

DATE: 3/24/10
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:	48 & 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	1.5	

Element ID No.	EI-12
GS (EL)	188.03
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:	174.23	EL
Nozzle:	169.63	EL
TOR:	169.63	EL
Time Start:	7:56	
Time Finish:	8:10	
Drilling Duration:	0:14	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	169.62	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	175.56	EL
Depth to Top of JGC:	175.56	EL
Time Start:	8:10	
Time Finish:	8:19	
Grouting Duration:	0:06	h:mm

Summary:

Constructed JG Height:	5.94	ft
Number of Overlaps:	3	

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

Notes:

7:38am - Problem with scales, reading are off
7:56am - Getting surveyor to re-shot location
8:12am - Lost scale again, stopped jetting
8:15am - Back to jetting

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MORETRENCH

DATE: 3/23/10
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:	52 RAIN
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.	EI-13
GS (EL)	188.6
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:	174.80	EL
Depth of Nozzle:	170.79	EL
TOR:	170.79	EL
Time Start:	13:40	
Time Finish:	13:52	
Drilling Duration:	0:12	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	170.79	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	176.59	EL
Depth to Top of JGC:	176.59	EL
Time Start:	13:54	
Time Finish:	14:01	
Grouting Duration:	0:07	h:mm

Summary:

Constructed JG Height:	5.80	ft
Number of Overlaps:	3	

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

Notes:

Technican Signature: John Stanbury

MORETRENCH

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

Drilling and Grout Log

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

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	EI-14
Grout Mix:	Water	380	lit		GS (EL)	188.41
	Cement	95	kg		Rotation Speed (rpm)	12
	Slag	285	kg		Grout Pressure (Bar)	400
	Specific Gravity	1.48			Grout Flow (gal/min)	98
					Air Pressure (Bar)	7

Drilling Parameters:		
Top of ISS:	NA	EL
Bottom of ISS:	NA	EL
Nozzle:	170.76	EL
TOR:	170.81	EL
Time Start:	13:49	
Time Finish:	14:00	
Drilling Duration:	0:11	h:mm

Grouting Parameters:		
Bottom of JGC:	170.81	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	174.86	EL
Top of JGC:	174.86	EL
Time Start:	14:01	
Time Finish:	14:07	
Grouting Duration:	0:06	h:mm

Summary:		
Constructed JG Height:	4.05	ft

Depth	**Notes**
0 ft	Pre-drilled
10 ft	
	17.60' TOR
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

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

Drilling and Grout Log

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

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	EI-15
Grout Mix:	Water	380	lit		GS (EL)	188.88
	Cement	95	kg		Rotation Speed (rpm)	12
	Slag	285	kg		Grout Pressure (Bar)	400
	Specific Gravity	1.47			Grout Flow (gal/min)	98
					Air Pressure (Bar)	7

Drilling Parameters:

Top of ISS:	NA	EL
Bottom of ISS:	NA	EL
Nozzle:	170.38	EL
TOR:	170.39	EL
Time Start:	12:58	
Time Finish:	13:21	
Drilling Duration:	0:23	h:mm

Grouting Parameters:

Bottom of JGC:	170.39	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	180.58	EL
Top of JGC:	180.58	EL
Time Start:	13:22	
Time Finish:	13:33	
Grouting Duration:	0:11	h:mm

Summary:

Constructed JG Height:	10.19	ft

Depth	**Notes**
0 ft	Pre-drilled
10 ft	
20 ft	18.49' TOR
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

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

Drilling and Grout Log

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

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	EI-16
Grout Mix:	Water	380	lit		GS (EL)	188.34
	Cement	95	kg		Rotation Speed (rpm)	12
	Slag	285	kg		Grout Pressure (Bar)	400
	Specific Gravity	1.49			Grout Flow (gal/min)	98
					Air Pressure (Bar)	7

Drilling Parameters:		
Top of ISS:	NA	EL
Bottom of ISS:	NA	EL
Nozzle:	170.39	EL
TOR:	173.84	EL
Time Start:	12:15	
Time Finish:	12:38	
Drilling Duration:	0:23	h:mm

Grouting Parameters:		
Bottom of JGC:	173.84	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	181.49	EL
Top of JGC:	181.49	EL
Time Start:	12:38	
Time Finish:	12:47	
Grouting Duration:	0:09	h:mm

Summary:

Constructed JG Height:	7.65	ft

Depth	**Notes**
0 ft	Pre-drilled
10 ft	
	14.50' TOR
20 ft	19.45' Final Depth
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 4/5/10
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:	64 & 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	1.5	

Element ID No.	EI-17
GS (EL)	188.51
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:	NA	EL
Depth of Nozzle:	175.48	EL
Depth to Bottom:	173.98	EL
Time Start:	8:43	
Time Finish:	9:09	
Drilling Duration:	0:26	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	188.51	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	NA	EL
Depth to Top of JGC:	188.51	EL
Time Start:	12:00	
Time Finish:	12:00	
Grouting Duration:	0:00	h:mm

Summary:

Constructed JG Height:	0.00	ft
Number of Overlaps:	0	

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

Notes:

Did not jet grout column

Technican Signature: John Stanbury

MORETRENCH

DATE: 4/5/10
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:	64 & 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	1.51		

Element ID No.	EI-18
GS (EL)	189.1
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:	171.06	EL
Depth to Bottom:	169.56	EL
Time Start:	9:13	
Time Finish:	9:28	
Drilling Duration:	0:15	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	171.06	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	181.06	EL
Depth to Top of JGC:	181.06	EL
Time Start:	9:30	
Time Finish:	9:42	
Grouting Duration:	0:12	h:mm

Summary:

Constructed JG Height:	10.00	ft
Number of Overlaps:	0	

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

Notes:

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MORETRENCH

DATE: 4/5/10
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:	64 & 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	1.49	

Element ID No.	EI-19
GS (EL)	189.62
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:	173.58	EL
Depth to Bottom:	172.08	EL
Time Start:	10:01	
Time Finish:	10:11	
Drilling Duration:	0:10	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	173.58	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	178.55	EL
Depth to Top of JGC:	178.73	EL
Time Start:	10:11	
Time Finish:	10:17	
Grouting Duration:	0:06	h:mm

Summary:

Constructed JG Height:	5.15	ft
Number of Overlaps:	0	

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

Notes:

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MORETRENCH

DATE: 4/5/10
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:	64 & 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	1.49		

Element ID No.	EI-20
GS (EL)	189.33
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:	173.09	EL
Depth to Bottom:	171.59	EL
Time Start:	10:35	
Time Finish:	10:45	
Drilling Duration:	0:10	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	173.09	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	179.60	EL
Depth to Top of JGC:	179.68	EL
Time Start:	10:46	
Time Finish:	10:53	
Grouting Duration:	0:07	h:mm

Summary:

Constructed JG Height:	6.59	ft
Number of Overlaps:	0	

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

Notes:

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MORETRENCH

DATE: 4/5/10
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:	64 & 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	1.48		

Element ID No.	EI-21
GS (EL)	189.06
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:	172.86	EL
Depth to Bottom:	171.36	EL
Time Start:	11:42	
Time Finish:	11:50	
Drilling Duration:	0:08	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	172.86	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	180.58	EL
Depth to Top of JGC:	180.60	EL
Time Start:	11:51	
Time Finish:	11:59	
Grouting Duration:	0:08	h:mm

Summary:

Constructed JG Height:	7.74	ft
Number of Overlaps:	0	

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

Notes:

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MORETRENCH

DATE: 4/5/10
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:	64 & 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	1.5		

Element ID No.	EI-22
GS (EL)	189.01
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:	172.80	EL
Depth to Bottom:	171.30	EL
Time Start:	12:15	
Time Finish:	12:23	
Drilling Duration:	0:08	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	172.80	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	183.66	EL
Depth to Top of JGC:	183.70	EL
Time Start:	12:24	
Time Finish:	12:36	
Grouting Duration:	0:12	h:mm

Summary:

Constructed JG Height:	10.90	ft
Number of Overlaps:	0	

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

Notes:

Sample hole

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MORETRENCH

DATE: 4/5/10
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:	69 & 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	1.5		

Element ID No.	EI-23
GS (EL)	188.81
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:	171.78	EL
Depth to Bottom:	170.28	EL
Time Start:	13:17	
Time Finish:	13:34	
Drilling Duration:	0:17	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	171.78	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	182.34	EL
Depth to Top of JGC:	182.48	EL
Time Start:	13:34	
Time Finish:	13:46	
Grouting Duration:	0:12	h:mm

Summary:

Constructed JG Height:	10.70	ft
Number of Overlaps:	0	

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

Notes:

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MORETRENCH

DATE: 4/6/10
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	1.47		

Element ID No.	EO-1
GS (EL)	189.62
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:	162.52	EL
Depth to Bottom:	161.02	EL
Time Start:	15:12	
Time Finish:	15:22	
Drilling Duration:	0:10	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	162.52	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	164.62	EL
12 in/min Pull Rate to:	186.67	EL
Depth to Top of JGC:	186.67	EL
Time Start:	15:22	
Time Finish:	15:55	
Grouting Duration:	0:33	h:mm

Summary:

Constructed JG Height:	24.15	ft
Number of Overlaps:	0	

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

Notes:

3:34pm - Pump off for Compass to catch up with spoils

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MORETRENCH

DATE: 3/25/10
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:	56 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.	E0-2
GS (EL)	188
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:	165.30	EL
TOR:	165.30	EL
Time Start:	11:30	
Time Finish:	11:35	
Drilling Duration:	0:05	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	165.30	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	186.62	EL
Depth to Top of JGC:	186.62	EL
Time Start:	11:36	
Time Finish:	12:00	
Grouting Duration:	0:24	h:mm

Summary:

Constructed JG Height:	21.32	ft
Number of Overlaps:	0	

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

Notes:

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MORETRENCH

DATE: 3/25/10
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:	57 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.	E0-3
GS (EL)	188.35
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:	164.75	EL
TOR:	164.75	EL
Time Start:	12:27	
Time Finish:	12:34	
Drilling Duration:	0:07	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	164.73	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	186.97	EL
Depth to Top of JGC:	186.97	EL
Time Start:	12:35	
Time Finish:	12:59	
Grouting Duration:	0:24	h:mm

Summary:

Constructed JG Height:	22.24	ft
Number of Overlaps:	0	

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

Notes:

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MORETRENCH

DATE: 3/25/10
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:	62 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.	E0-4
GS (EL)	188.7
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:	164.20	EL
TOR:	164.20	EL
Time Start:	13:21	
Time Finish:	13:35	
Drilling Duration:	0:14	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	164.19	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	187.26	EL
Depth to Top of JGC:	187.26	EL
Time Start:	13:36	
Time Finish:	14:01	
Grouting Duration:	0:25	h:mm

Summary:

Constructed JG Height:	23.07	ft
Number of Overlaps:	0	

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

Notes:

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MORETRENCH

DATE: 3/25/10
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:	60 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.	E0-5
GS (EL)	188.7
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:	164.20	EL
TOR:	164.20	EL
Time Start:	14:15	
Time Finish:	14:23	
Drilling Duration:	0:08	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	164.19	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	187.32	EL
Depth to Top of JGC:	187.32	EL
Time Start:	14:23	
Time Finish:	15:00	
Grouting Duration:	0:37	h:mm

Summary:

Constructed JG Height:	23.13	ft
Number of Overlaps:	0	

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

Notes:

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MORETRENCH

DATE: 3/26/10
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 Rain
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	1.45		

Element ID No.	E0-6
GS (EL)	188.21
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:	164.71	EL
TOR:	164.71	EL
Time Start:	8:05	
Time Finish:	8:23	
Drilling Duration:	0:18	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	164.69	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	186.83	EL
Depth to Top of JGC:	186.83	EL
Time Start:	8:23	
Time Finish:	8:52	
Grouting Duration:	0:29	h:mm

Summary:

Constructed JG Height:	22.14	ft
Number of Overlaps:	0	

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

Notes:

Sampled hole

Technican Signature: John Stanbury

MORETRENCH

DATE: 3/26/10
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 Rain
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	1.45		

Element ID No.	E0-7
GS (EL)	188.31
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:	166.98	EL
TOR:	166.98	EL
Time Start:	9:40	
Time Finish:	9:51	
Drilling Duration:	0:11	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	166.98	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	186.80	EL
Depth to Top of JGC:	186.80	EL
Time Start:	9:51	
Time Finish:	10:16	
Grouting Duration:	0:25	h:mm

Summary:

Constructed JG Height:	19.82	ft
Number of Overlaps:	0	

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

Notes:

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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.	EO-8
GS (EL)	188.69
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:	169.33	EL
Depth to Bottom:	167.83	EL
Time Start:	7:46	
Time Finish:	7:57	
Drilling Duration:	0:11	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	188.69	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	NA	EL
Depth to Top of JGC:	188.69	EL
Time Start:	7:59	
Time Finish:	8:19	
Grouting Duration:	0:20	h:mm

Summary:

Constructed JG Height:	0.00	ft
Number of Overlaps:	0	

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

Notes:

No jetting on this column, soild hard material to bedrock

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MORETRENCH

DATE: 4/2/10
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:	60 & 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	1.49	

Element ID No.	EO-9
GS (EL)	188.29
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:	169.46	EL
Depth to Bottom:	167.96	EL
Time Start:	14:22	
Time Finish:	14:31	
Drilling Duration:	0:09	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	169.46	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	184.67	EL
Depth to Top of JGC:	184.75	EL
Time Start:	14:31	
Time Finish:	14:48	
Grouting Duration:	0:17	h:mm

Summary:

Constructed JG Height:	15.29	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: 4/2/10
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:	64 & 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	1.48	

Element ID No.	EO-10
GS (EL)	188.24
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:	170.03	EL
Depth to Bottom:	168.53	EL
Time Start:	14:57	
Time Finish:	15:07	
Drilling Duration:	0:10	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	170.03	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	182.63	EL
Depth to Top of JGC:	182.70	EL
Time Start:	15:07	
Time Finish:	15:21	
Grouting Duration:	0:14	h:mm

Summary:

Constructed JG Height:	12.67	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: 3/1/10
SHEET: 1 OF 1
SHIFT: 1st 2nd

Drilling and Grout Log

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

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	EO-11
Grout Mix:	Water	380	lit		GS (EL)	187.71
	Cement	95	kg		Rotation Speed (rpm)	12
	Slag	285	kg		Grout Pressure (Bar)	400
	Specific Gravity	1.5			Grout Flow (gal/min)	98
					Air Pressure (Bar)	7

Drilling Parameters:		
Top of ISS:	NA	EL
Bottom of ISS:	NA	EL
Nozzle:	168.58	EL
TOR:	168.61	EL
Time Start:	9:48	
Time Finish:	9:58	
Drilling Duration:	0:10	h:mm

Grouting Parameters:		
Bottom of JGC:	168.61	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	183.71	EL
Top of JGC:	183.71	EL
Time Start:	9:59	
Time Finish:	10:19	
Grouting Duration:	0:20	h:mm

Summary:

Constructed JG Height:	15.10	ft

Depth	**Notes**
0 ft	Pre-drilled
10 ft	
20 ft	19.10' TOR
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Steve Hawkins

MORETRENCH

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

Drilling and Grout Log

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

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	EO-11A
Grout Mix:	Water	380	lit		GS (EL)	187.63
	Cement	95	kg		Rotation Speed (rpm)	12
	Slag	285	kg		Grout Pressure (Bar)	400
	Specific Gravity	1.5			Grout Flow (gal/min)	98
					Air Pressure (Bar)	7

Drilling Parameters:		
Top of ISS:	NA	EL
Bottom of ISS:	NA	EL
Nozzle:	169.98	EL
TOR:	171.63	EL
Time Start:	10:37	
Time Finish:	11:01	
Drilling Duration:	0:24	h:mm

Grouting Parameters:		
Bottom of JGC:	171.63	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	181.53	EL
Top of JGC:	181.53	EL
Time Start:	11:02	
Time Finish:	11:13	
Grouting Duration:	0:11	h:mm

Summary:

Constructed JG Height:	9.90	ft

Depth	**Notes**
0 ft	Pre-drilled
10 ft	
	16.00' TOR
20 ft	19.15' Final Depth
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Steve Hawkins

MORETRENCH

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

Drilling and Grout Log

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

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	EO-11B
Grout Mix:	Water	380	lit		GS (EL)	187.66
	Cement	95	kg		Rotation Speed (rpm)	12
	Slag	285	kg		Grout Pressure (Bar)	400
	Specific Gravity	1.5			Grout Flow (gal/min)	98
					Air Pressure (Bar)	7

Drilling Parameters:		
Top of ISS:	NA	EL
Bottom of ISS:	NA	EL
Nozzle:	167.35	EL
TOR:	167.36	EL
Time Start:	13:32	
Time Finish:	13:51	
Drilling Duration:	0:19	h:mm

Grouting Parameters:		
Bottom of JGC:	167.36	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	182.64	EL
Top of JGC:	182.64	EL
Time Start:	13:52	
Time Finish:	14:08	
Grouting Duration:	0:16	h:mm

Summary:		
Constructed JG Height:	15.28	ft

Depth	**Notes**
0 ft	Pre-drilled
10 ft	
20 ft	20.30' TOR
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Steve Hawkins

MORETRENCH

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

Drilling and Grout Log

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

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	EO-12
Grout Mix:	Water	380	lit		GS (EL)	187.69
	Cement	95	kg		Rotation Speed (rpm)	12
	Slag	285	kg		Grout Pressure (Bar)	400
	Specific Gravity	1.5			Grout Flow (gal/min)	98
					Air Pressure (Bar)	7

Drilling Parameters:		
Top of ISS:	NA	EL
Bottom of ISS:	NA	EL
Nozzle:	168.10	EL
TOR:	168.19	EL
Time Start:	8:22	
Time Finish:	8:34	
Drilling Duration:	0:12	h:mm

Grouting Parameters:		
Bottom of JGC:	168.19	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	184.11	EL
Top of JGC:	184.11	EL
Time Start:	8:35	
Time Finish:	9:02	
Grouting Duration:	0:27	h:mm

Summary:

Constructed JG Height:	15.92	ft

Depth	**Notes**
0 ft	Pre-drilled
10 ft	
20 ft	19.50' TOR
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Steve Hawkins

MORETRENCH

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

Drilling and Grout Log

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

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	EO-13
Grout Mix:	Water	380	lit		GS (EL)	187.65
	Cement	95	kg		Rotation Speed (rpm)	12
	Slag	285	kg		Grout Pressure (Bar)	400
	Specific Gravity	1.49			Grout Flow (gal/min)	98
					Air Pressure (Bar)	7

Drilling Parameters:		
Top of ISS:	NA	EL
Bottom of ISS:	NA	EL
Nozzle:	169.40	EL
TOR:	169.65	EL
Time Start:	12:27	
Time Finish:	12:38	
Drilling Duration:	0:11	h:mm

Grouting Parameters:		
Bottom of JGC:	169.65	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	185.42	EL
Top of JGC:	185.42	EL
Time Start:	12:39	
Time Finish:	12:57	
Grouting Duration:	0:18	h:mm

Summary:		
Constructed JG Height:	15.77	ft

Depth	**Notes**
0 ft	Pre-drilled
10 ft	
	18.00' TOR
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Steve Hawkins

MORETRENCH

DATE: 2/24/10
SHEET: 1 OF 1
SHIFT: 1st | 2nd

Drilling and Grout Log

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

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	EO 14
Grout Mix:	Water	380	lit		GS (EL)	187.23
	Cement	95	kg		Rotation Speed (rpm)	12
	Slag	285	kg		Grout Pressure (Bar)	400
	Specific Gravity	1.49			Grout Flow (gal/min)	98
					Air Pressure (Bar)	7

Drilling Parameters:		
Top of ISS:	187.23	EL
Bottom of ISS:	181.00	EL
Nozzle:	168.80	EL
TOR:	168.80	EL
Time Start:	18:55	
Time Finish:	19:10	
Drilling Duration:	0:10	h:mm

Grouting Parameters:		
Bottom of JGC:	168.80	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	171.32	EL
12 in/min Pull Rate to:	183.79	EL
Top of JGC:	183.79	EL
Time Start:	19:11	
Time Finish:	19:30	
Grouting Duration:	0:19	h:mm

Summary:		
Constructed JG Height:	14.99	ft

Depth	**Notes**
0 ft	0' Predrilled Hole
10 ft	
	18.43' TOR (6:59 PM)
20 ft	19:93' Final Depth (7:10 PM)
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Predrilled Hole

Technican Signature: Jeff Ayres

MORETRENCH

DATE: 2/24/10
SHEET: 1 OF 1
SHIFT: 1st | 2nd

Drilling and Grout Log

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

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	EO 15
Grout Mix:	Water	380	lit		GS (EL)	187.23
	Cement	95	kg		Rotation Speed (rpm)	12
	Slag	285	kg		Grout Pressure (Bar)	400
	Specific Gravity	1.49			Grout Flow (gal/min)	98
					Air Pressure (Bar)	7

Drilling Parameters:		
Top of ISS:	187.23	EL
Bottom of ISS:	180.52	EL
Nozzle:	170.13	EL
TOR:	170.13	EL
Time Start:	16:57	
Time Finish:	17:07	
Drilling Duration:	0:10	h:mm

Grouting Parameters:		
Bottom of JGC:	170.13	EL
6 in/min Pull Rate to:	171.51	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	183.52	EL
Top of JGC:	183.52	EL
Time Start:	17:07	
Time Finish:	17:24	
Grouting Duration:	0:17	h:mm

Summary:		
Constructed JG Height:	13.39	ft

Depth	Notes
0 ft	0' Predrilled Hole
10 ft	
	17.1' TOR (5:04 PM)
20 ft	18.7' Final Depth (5:07 PM)
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Predrilled Hole

Technican Signature: Jeff Ayres

MORETRENCH

DATE: 2/24/10
SHEET: 1 OF 1
SHIFT: 1st | 2nd

Drilling and Grout Log

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

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	EO 16
Grout Mix:	Water	380	lit		GS (EL)	187.04
	Cement	95	kg		Rotation Speed (rpm)	12
	Slag	285	kg		Grout Pressure (Bar)	400
	Specific Gravity	1.49			Grout Flow (gal/min)	98
					Air Pressure (Bar)	7

Drilling Parameters:		
Top of ISS:	NA	EL
Bottom of ISS:	NA	EL
Nozzle:	168.54	EL
TOR:	168.54	EL
Time Start:	15:30	
Time Finish:	15:48	
Drilling Duration:	0:18	h:mm
Grouting Parameters:		
Bottom of JGC:	168.54	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	184.04	EL
Top of JGC:	184.04	EL
Time Start:	15:49	
Time Finish:	16:06	
Grouting Duration:	0:17	h:mm
Summary:		
Constructed JG Height:	15.50	ft

Depth	Notes
0 ft	Predrilled Hole
10 ft	
	18.5' TOR (3:42 PM)
20 ft	20' Final Depth (3:48 PM)
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Predrilled Hole

Technican Signature: Jeff Ayres

MORETRENCH

DATE: 2/24/10
SHEET: 1 OF 1
SHIFT: 1st 2nd

Drilling and Grout Log

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

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	EO 17
Grout Mix:	Water	380	lit		GS (EL)	187.66
	Cement	95	kg		Rotation Speed (rpm)	12
	Slag	285	kg		Grout Pressure (Bar)	400
	Specific Gravity	1.49			Grout Flow (gal/min)	98
					Air Pressure (Bar)	7

Drilling Parameters:		
Top of ISS:	187.66	EL
Bottom of ISS:	178.29	EL
Nozzle:	171.16	EL
TOR:	171.16	EL
Time Start:	11:05	
Time Finish:	11:26	
Drilling Duration:	0:21	h:mm

Grouting Parameters:		
Bottom of JGC:	171.16	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	181.36	EL
Top of JGC:	181.36	EL
Time Start:	11:26	
Time Finish:	11:37	
Grouting Duration:	0:11	h:mm

Summary:		
Constructed JG Height:	10.20	ft

Depth	Notes
0 ft	0' Cementitious Material
10 ft	
	16.5' TOR (11:12 AM)
	19.41' Final Depth (11:26 AM)
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Predrilled Hole

Drilled deeper to meet anticipated bedrock

Technican Signature: Jeff Ayres

MORETRENCH

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

Drilling and Grout Log

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

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	EO-18
Grout Mix:	Water	380	lit		GS (EL)	187.83
	Cement	95	kg		Rotation Speed (rpm)	12
	Slag	285	kg		Grout Pressure (Bar)	400
	Specific Gravity	1.49			Grout Flow (gal/min)	98
					Air Pressure (Bar)	7

Drilling Parameters:		
Top of ISS:	NA	EL
Bottom of ISS:	NA	EL
Nozzle:	176.87	EL
TOR:	176.88	EL
Time Start:	14:35	
Time Finish:	14:44	
Drilling Duration:	0:09	h:mm
Grouting Parameters:		
Bottom of JGC:	176.88	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	183.27	EL
Top of JGC:	183.27	EL
Time Start:	14:45	
Time Finish:	14:52	
Grouting Duration:	0:07	h:mm
Summary:		
Constructed JG Height:	6.39	ft

Depth	Notes
0 ft	Pre-drilled
10 ft	10.95' TOR
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Steve Hawkins

MORETRENCH

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

Drilling and Grout Log

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

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	EO-19
Grout Mix:	Water	380	lit		GS (EL)	187.87
	Cement	95	kg		Rotation Speed (rpm)	12
	Slag	285	kg		Grout Pressure (Bar)	400
	Specific Gravity	1.47			Grout Flow (gal/min)	98
					Air Pressure (Bar)	7

Drilling Parameters:

Top of ISS:	NA	EL
Bottom of ISS:	NA	EL
Nozzle:	176.85	EL
TOR:	176.87	EL
Time Start:	15:01	
Time Finish:	15:11	
Drilling Duration:	0:10	h:mm

Grouting Parameters:

Bottom of JGC:	176.87	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	183.64	EL
Top of JGC:	183.64	EL
Time Start:	15:12	
Time Finish:	15:20	
Grouting Duration:	0:08	h:mm

Summary:

Constructed JG Height:	6.77	ft

Depth	**Notes**
0 ft	Pre-drilled
10 ft	11.00' TOR
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

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

Drilling and Grout Log

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

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	EO-20
Grout Mix:	Water	380	lit		GS (EL)	187.99
	Cement	95	kg		Rotation Speed (rpm)	12
	Slag	285	kg		Grout Pressure (Bar)	400
	Specific Gravity	1.48			Grout Flow (gal/min)	98
					Air Pressure (Bar)	7

Drilling Parameters:

Top of ISS:	NA	EL
Bottom of ISS:	NA	EL
Nozzle:	178.18	EL
TOR:	178.19	EL
Time Start:	15:48	
Time Finish:	15:57	
Drilling Duration:	0:09	h:mm

Grouting Parameters:

Bottom of JGC:	178.19	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	184.19	EL
Top of JGC:	184.19	EL
Time Start:	15:58	
Time Finish:	16:05	
Grouting Duration:	0:07	h:mm

Summary:

Constructed JG Height:	6.00	ft

Depth	**Notes**
0 ft	Pre-drilled
10 ft	9.80' TOR
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

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

Drilling and Grout Log

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

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	EO-21
Grout Mix:	Water	380	lit		GS (EL)	188.04
	Cement	95	kg		Rotation Speed (rpm)	12
	Slag	285	kg		Grout Pressure (Bar)	400
	Specific Gravity	1.48			Grout Flow (gal/min)	98
					Air Pressure (Bar)	7

Drilling Parameters:

Top of ISS:	NA	EL
Bottom of ISS:	NA	EL
Nozzle:	177.97	EL
TOR:	177.98	EL
Time Start:	16:13	
Time Finish:	16:21	
Drilling Duration:	0:08	h:mm

Grouting Parameters:

Bottom of JGC:	177.98	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	184.04	EL
Top of JGC:	184.04	EL
Time Start:	16:23	
Time Finish:	16:31	
Grouting Duration:	0:08	h:mm

Summary:

Constructed JG Height:	6.06	ft

Depth	**Notes**
0 ft	Pre-drilled
10 ft	10.06' TOR
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 4/2/10
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:	64 & 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.	EO-22
GS (EL)	187.69
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:	174.76	EL
Depth to Bottom:	173.26	EL
Time Start:	16:34	
Time Finish:	16:44	
Drilling Duration:	0:10	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	174.76	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	184.74	EL
Depth to Top of JGC:	184.74	EL
Time Start:	16:45	
Time Finish:	16:58	
Grouting Duration:	0:13	h:mm

Summary:

Constructed JG Height:	9.98	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: 4/2/10
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:	64 & 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	1.49	

Element ID No.	EO-23
GS (EL)	187.7
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:	173.99	EL
Depth to Bottom:	172.49	EL
Time Start:	16:08	
Time Finish:	16:14	
Drilling Duration:	0:06	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	173.99	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	183.73	EL
Depth to Top of JGC:	183.73	EL
Time Start:	16:15	
Time Finish:	16:26	
Grouting Duration:	0:11	h:mm

Summary:

Constructed JG Height:	9.74	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: 4/2/10
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:	64 & 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	1.49		

Element ID No.	EO-24
GS (EL)	187.78
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:	171.57	EL
Depth to Bottom:	170.07	EL
Time Start:	15:37	
Time Finish:	15:49	
Drilling Duration:	0:12	h:mm

Grouting Parameters:

Depth to Bottom of JGC:	171.57	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	181.20	EL
Depth to Top of JGC:	181.32	EL
Time Start:	15:49	
Time Finish:	15:59	
Grouting Duration:	0:10	h:mm

Summary:

Constructed JG Height:	9.75	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