MORETRENCH

DATE: 3/2/10
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.	NI-19A
Grout Mix:	Water	380	lit		GS (EL)	186.95
	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:	171.04	EL
TOR:	171.05	EL
Time Start:	16:46	
Time Finish:	16:57	
Drilling Duration:	0:11	h:mm

Grouting Parameters:

Bottom of JGC:	171.05	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	177.99	EL
Top of JGC:	177.99	EL
Time Start:	16:59	
Time Finish:	17:06	
Grouting Duration:	0:07	h:mm

Summary:

Constructed JG Height:	6.94	ft

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

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 3/2/10
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.	NI-20
Grout Mix:	Water	380	lit		GS (EL)	188.30
	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:	169.99	EL
TOR:	171.30	EL
Time Start:	13:45	
Time Finish:	14:02	
Drilling Duration:	0:17	h:mm

Grouting Parameters:		
Bottom of JGC:	171.30	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	176.16	EL
Top of JGC:	176.16	EL
Time Start:	14:03	
Time Finish:	14:11	
Grouting Duration:	0:08	h:mm

Summary:

Constructed JG Height:	4.86	ft

Depth	**Notes**
0 ft	Pre-drilled
10 ft	
	17.00' TOR
20 ft	19.81' Final Depth
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 3/2/10
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.	NI-21
Grout Mix:	Water	380	lit		GS (EL)	187.72
	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:	168.36	EL
TOR:	168.42	EL
Time Start:	12:56	
Time Finish:	13:09	
Drilling Duration:	0:13	h:mm

Grouting Parameters:

Bottom of JGC:	168.42	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	181.16	EL
Top of JGC:	181.16	EL
Time Start:	13:10	
Time Finish:	13:25	
Grouting Duration:	0:15	h:mm

Summary:

Constructed JG Height:	12.74	ft

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

Notes:

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MORETRENCH

DATE: 3/2/10
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.	NI-22
Grout Mix:	Water	380	lit		GS (EL)	188.46
	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:	169.00	EL
TOR:	169.96	EL
Time Start:	11:44	
Time Finish:	12:02	
Drilling Duration:	0:18	h:mm

Grouting Parameters:		
Bottom of JGC:	169.96	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	177.14	EL
Top of JGC:	177.14	EL
Time Start:	12:02	
Time Finish:	12:09	
Grouting Duration:	0:07	h:mm

Summary:		
Constructed JG Height:	7.18	ft

Depth	**Notes**
0 ft	Pre-drilled
10 ft	
	18.50' TOR
20 ft	20.96' Final Depth
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

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MORETRENCH

DATE: 3/2/10
SHEET: 1 OF 1
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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.	NI-23
Grout Mix:	Water	380	lit		GS (EL)	188.49
	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:	170.18	EL
TOR:	170.19	EL
Time Start:	11:18	
Time Finish:	11:26	
Drilling Duration:	0:08	h:mm

Grouting Parameters:

Bottom of JGC:	170.19	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	176.61	EL
Top of JGC:	176.61	EL
Time Start:	11:26	
Time Finish:	11:34	
Grouting Duration:	0:08	h:mm

Summary:

Constructed JG Height:	6.42	ft

Depth	**Notes**
0 ft	Pre-drilled
10 ft	
20 ft	18.30' TOR
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

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MORETRENCH

DATE: 3/5/10
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.	NI-24
Grout Mix:	Water	380	lit		GS (EL)	188.71
	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:	172.50	EL
TOR:	172.50	EL
Time Start:	9:21	
Time Finish:	9:36	
Drilling Duration:	0:15	h:mm

Grouting Parameters:		
Bottom of JGC:	172.50	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	180.80	EL
Top of JGC:	180.80	EL
Time Start:	9:36	
Time Finish:	9:47	
Grouting Duration:	0:11	h:mm

Summary:		
Constructed JG Height:	8.30	ft

Depth	**Notes**
0 ft	Pre-drilled
10 ft	
	16.21' TOR
20 ft	19.22' Final Depth
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 3/5/10
SHEET: 1 OF 1
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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.	NI-25
Grout Mix:	Water	380	lit		GS (EL)	188.25
	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:	170.50	EL
TOR:	171.25	EL
Time Start:	10:01	
Time Finish:	10:16	
Drilling Duration:	0:15	h:mm

Grouting Parameters:		
Bottom of JGC:	171.25	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	181.56	EL
Top of JGC:	181.56	EL
Time Start:	10:17	
Time Finish:	10:28	
Grouting Duration:	0:11	h:mm

Summary:		
Constructed JG Height:	10.31	ft

Depth	**Notes**
0 ft	Pre-drilled
10 ft	
	17.00' TOR
20 ft	19.25' Final Depth
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

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MORETRENCH

DATE: 3/5/10
SHEET: 1 OF 1
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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.	NI-26
Grout Mix:	Water	380	lit		GS (EL)	187.85
	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:	170.99	EL
TOR:	171.55	EL
Time Start:	10:39	
Time Finish:	10:50	
Drilling Duration:	0:11	h:mm

Grouting Parameters:		
Bottom of JGC:	171.55	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	182.50	EL
Top of JGC:	182.50	EL
Time Start:	10:51	
Time Finish:	11:45	
Grouting Duration:	0:17	h:mm

Summary:

Constructed JG Height:	10.95	ft

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

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 3/3/10
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.	NI-27
Grout Mix:	Water	380	lit		GS (EL)	187.86
	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:	171.00	EL
TOR:	171.66	EL
Time Start:	20:27	
Time Finish:	20:48	
Drilling Duration:	0:21	h:mm

Grouting Parameters:

Bottom of JGC:	171.66	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	181.40	EL
Top of JGC:	181.40	EL
Time Start:	20:49	
Time Finish:	21:10	
Grouting Duration:	0:21	h:mm

Summary:

Constructed JG Height:	9.74	ft

Depth	Notes
0 ft	Pre-drilled
10 ft	
	16.20' TOR
20 ft	19.36' Final Depth
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

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MORETRENCH

DATE: 3/3/10
SHEET: 1 OF 1
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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.	NI-28
Grout Mix:	Water	380	lit		GS (EL)	188.91
	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:	169.98	EL
TOR:	172.09	EL
Time Start:	19:15	
Time Finish:	19:31	
Drilling Duration:	0:16	h:mm

Grouting Parameters:		
Bottom of JGC:	172.09	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	183.00	EL
Top of JGC:	183.00	EL
Time Start:	19:33	
Time Finish:	20:07	
Grouting Duration:	0:19	h:mm

Summary:		
Constructed JG Height:	10.91	ft

Depth	Notes
0 ft	Pre-drilled
10 ft	
	16.82' TOR
20 ft	20.43' Final Depth
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 3/3/10
SHEET: 1 OF 1
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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
Grout Mix:	Water	380	lit	
	Cement	95	kg	
	Slag	285	kg	
	Specific Gravity	1.49		

Element ID No.	NI-29
GS (EL)	189.03
Rotation Speed (rpm)	12
Grout Pressure (Bar)	400
Grout Flow (gal/min)	98
Air Pressure (Bar)	7

Drilling Parameters:

Top of ISS:	NA	EL
Bottom of ISS:	NA	EL
Nozzle:	170.03	EL
TOR:	170.57	EL
Time Start:	17:21	
Time Finish:	17:38	
Drilling Duration:	0:17	h:mm

Grouting Parameters:

Bottom of JGC:	170.57	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	182.11	EL
Top of JGC:	182.11	EL
Time Start:	17:40	
Time Finish:	17:55	
Grouting Duration:	0:15	h:mm

Summary:

Constructed JG Height:	11.54	ft

Depth	**Notes**
0 ft	Pre-drilled
10 ft	
	18.46' TOR
20 ft	20.50' Final Depth
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 3/3/10
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.	NI-30
Grout Mix:	Water	380	lit		GS (EL)	189.22
	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:	169.01	EL
TOR:	169.74	EL
Time Start:	15:14	
Time Finish:	15:31	
Drilling Duration:	0:17	h:mm

Grouting Parameters:		
Bottom of JGC:	169.74	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	186.18	EL
Top of JGC:	186.18	EL
Time Start:	16:49	
Time Finish:	17:07	
Grouting Duration:	0:18	h:mm

Summary:		
Constructed JG Height:	16.44	ft

Depth	Notes
0 ft	Pre-drilled
10 ft	
20 ft	19.48' TOR
	21.71' Final Depth
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 3/3/10
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.	NI-31
Grout Mix:	Water	380	lit		GS (EL)	189.02
	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:	170.02	EL
TOR:	171.38	EL
Time Start:	14:08	
Time Finish:	14:34	
Drilling Duration:	0:26	h:mm

Grouting Parameters:		
Bottom of JGC:	171.38	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	182.16	EL
Top of JGC:	182.16	EL
Time Start:	14:34	
Time Finish:	14:47	
Grouting Duration:	0:13	h:mm

Summary:		
Constructed JG Height:	10.78	ft

Depth	**Notes**
0 ft	Pre-drilled
10 ft	
	17.64' TOR
20 ft	20.50' Final Depth
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 3/2/10
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.	NI-32
Grout Mix:	Water	380	lit		GS (EL)	189.20
	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:	171.07	EL
TOR:	172.25	EL
Time Start:	20:28	
Time Finish:	20:47	
Drilling Duration:	0:19	h:mm

Grouting Parameters:

Bottom of JGC:	172.25	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
Top of JGC:	182.34	EL
Time Start:	20:48	
Time Finish:	21:00	
Grouting Duration:	0:12	h:mm

Summary:

Constructed JG Height:	10.09	ft

Depth	**Notes**
0 ft	Pre-drilled
10 ft	
	16.95' TOR
20 ft	19.63' Final Depth
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 3/2/10
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.	NI-33
Grout Mix:	Water	380	lit		GS (EL)	188.82
	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:	170.68	EL
TOR:	172.95	EL
Time Start:	19:39	
Time Finish:	20:02	
Drilling Duration:	0:23	h:mm

Grouting Parameters:

Bottom of JGC:	172.95	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	182.32	EL
Top of JGC:	182.32	EL
Time Start:	20:03	
Time Finish:	20:16	
Grouting Duration:	0:13	h:mm

Summary:

Constructed JG Height:	9.37	ft

Depth	Notes
0 ft	Pre-drilled
10 ft	
	15.87' TOR
20 ft	19.64' Final Depth
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.	NI-34
Grout Mix:	Water	380	lit		GS (EL)	187.92
	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:	171.98	EL
TOR:	172.92	EL
Time Start:	11:15	
Time Finish:	11:25	
Drilling Duration:	0:10	h:mm

Grouting Parameters:

Bottom of JGC:	172.92	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	182.44	EL
Top of JGC:	182.44	EL
Time Start:	11:26	
Time Finish:	12:04	
Grouting Duration:	0:13	h:mm

Summary:

Constructed JG Height:	9.52	ft

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

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 2/23/10
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:	Cloudy
Client: WRS Compass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	NO 23
Grout Mix:	Water	380	lit		GS (EL)	186.93
	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:	186.93	EL
Bottom of ISS:	173.62	EL
Nozzle:	169.63	EL
TOR:	169.63	EL
Time Start:	11:20	
Time Finish:	11:28	
Drilling Duration:	0:08	h:mm

Grouting Parameters:		
Bottom of JGC:	169.63	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	176.69	EL
Top of JGC:	176.69	EL
Time Start:	11:28	
Time Finish:	11:36	
Grouting Duration:	0:08	h:mm

Summary:

Constructed JG Height:	7.06	ft

Depth	Notes
0 ft	0' Cementitious Material
10 ft	
	17.3' TOR (11:24 AM)
20 ft	18.86' Final Depth (11:28 AM)
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Predrilled Hole

Technican Signature: Jeff Ayres

MORETRENCH

DATE: 2/23/10
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:	Cloudy
Client: WRS Compass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	NO 24
Grout Mix:	Water	380	lit		GS (EL)	186.85
	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:	186.85	EL
Bottom of ISS:	172.06	EL
Nozzle:	168.85	EL
TOR:	168.85	EL
Time Start:	12:00	
Time Finish:	12:08	
Drilling Duration:	0:08	h:mm

Grouting Parameters:		
Bottom of JGC:	168.85	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	175.17	EL
Top of JGC:	175.17	EL
Time Start:	12:09	
Time Finish:	12:15	
Grouting Duration:	0:06	h:mm

Summary:

Constructed JG Height:	6.32	ft

Depth	Notes
0 ft	0' Cementitious Material
10 ft	
	18' TOR (12:04 PM)
20 ft	19.61' Final Depth (12:08 PM)
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Predrilled Hole

Technican Signature: Jeff Ayres

MORETRENCH

DATE: 2/22/10
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 & Sunny
Client: WRS Compass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	NO 25
Grout Mix:	Water	380	lit		GS (EL)	186.54
	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:	186.54	EL
Bottom of ISS:	171.94	EL
Nozzle:	167.04	EL
TOR:	167.04	EL
Time Start:	12:20	
Time Finish:	12:24	
Drilling Duration:	0:04	h:mm

Grouting Parameters:

Bottom of JGC:	167.04	EL
6 in/min Pull Rate to:	170.17	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	175.58	EL
Top of JGC:	175.58	EL
Time Start:	12:35	
Time Finish:	12:49	
Grouting Duration:	0:14	h:mm

Summary:

Constructed JG Height:	8.54	ft

Depth	Notes
0 ft	0' Cementitious Material
10 ft	
20 ft	19.5' TOR (12:22 PM)
	21.02' Final Depth (12:24 PM)
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Predrilled Hole

Technican Signature: Jeff Ayres

MORETRENCH

DATE: 2/22/10
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 & Sunny
Client: WRS Compass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	NO 26
Grout Mix:	Water	380	lit		GS (EL)	186.85
	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:	186.85	EL
Bottom of ISS:	173.05	EL
Nozzle:	168.05	EL
TOR:	168.05	EL
Time Start:	13:12	
Time Finish:	13:17	
Drilling Duration:	0:05	h:mm

Grouting Parameters:

Bottom of JGC:	168.05	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	176.12	EL
Top of JGC:	176.12	EL
Time Start:	13:18	
Time Finish:	13:27	
Grouting Duration:	0:09	h:mm

Summary:

Constructed JG Height:	8.07	ft

Depth	Notes
0 ft	0' Cementitious Material
10 ft	
	18.8' TOR (1:15 PM)
20 ft	20.3' Final Depth (1:17 PM)
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Predrilled Hole

Technican Signature: Jeff Ayres

MORETRENCH

DATE: 2/22/10
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 & Cloudy
Client: WRS Compass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	NO 27
Grout Mix:	Water	380	lit		GS (EL)	186.99
	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:	186.99	EL
Bottom of ISS:	173.19	EL
Nozzle:	169.29	EL
TOR:	169.29	EL
Time Start:	14:30	
Time Finish:	14:40	
Drilling Duration:	0:10	h:mm

Grouting Parameters:

Bottom of JGC:	169.29	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	176.39	EL
Top of JGC:	176.39	EL
Time Start:	14:41	
Time Finish:	14:50	
Grouting Duration:	0:09	h:mm

Summary:

Constructed JG Height:	7.10	ft

Depth	Notes
0 ft	0' Cementitious Material
10 ft	
	17.7' TOR (2:36 PM)
	19.22' Final Depth (2:40 PM)
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Predrilled Hole

Technican Signature: Jeff Ayres

MORETRENCH

DATE: 2/23/10
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:	Rainy & Cloudy
Client: WRS Compass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	NO 28
Grout Mix:	Water	380	lit		GS (EL)	186.91
	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:	186.91	EL
Bottom of ISS:	176.10	EL
Nozzle:	169.41	EL
TOR:	169.41	EL
Time Start:	14:18	
Time Finish:	14:31	
Drilling Duration:	0:13	h:mm

Grouting Parameters:		
Bottom of JGC:	169.41	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	176.21	EL
Top of JGC:	176.21	EL
Time Start:	14:32	
Time Finish:	14:40	
Grouting Duration:	0:08	h:mm

Summary:

Constructed JG Height:	6.80	ft

Depth	Notes
0 ft	0' Cementitious Material
10 ft	
	17.5' TOR (2:22 PM)
20 ft	19.02' Final Depth (2:31 PM)
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Predrilled Hole

Technican Signature: Jeff Ayres

MORETRENCH

DATE: 3/2/10
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.	NO-29AR
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	1.47			Grout Flow (gal/min)	98
					Air Pressure (Bar)	7

Drilling Parameters:

Top of ISS:	NA	EL
Bottom of ISS:	NA	EL
Nozzle:	172.10	EL
TOR:	172.15	EL
Time Start:	9:21	
Time Finish:	9:29	
Drilling Duration:	0:08	h:mm

Grouting Parameters:

Bottom of JGC:	172.15	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	183.88	EL
Top of JGC:	183.88	EL
Time Start:	9:35	
Time Finish:	9:48	
Grouting Duration:	0:13	h:mm

Summary:

Constructed JG Height:	11.73	ft

Depth	Notes
0 ft	0' Gravel
	5.50' Obstruction
10 ft	
	15.50' TOR
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 2/23/10
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:	Rain
Client: WRS Compass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	NO-29B
Grout Mix:	Water	380	lit		GS (EL)	186.70
	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:	186.70	EL
Bottom of ISS:	177.20	EL
Nozzle:	171.15	EL
TOR:	171.16	EL
Time Start:	15:26	
Time Finish:	15:41	
Drilling Duration:	0:15	h:mm

Grouting Parameters:		
Bottom of JGC:	171.16	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	172.56	EL
12 in/min Pull Rate to:	183.88	EL
Top of JGC:	183.88	EL
Time Start:	15:42	
Time Finish:	15:57	
Grouting Duration:	0:15	h:mm

Summary:		
Constructed JG Height:	12.72	ft

Depth	Notes
0 ft	0' Excavator Cell P3
10 ft	9.50' Sand/Soil
	15.54' TOR
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Hole was not pre-drilled.

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 2/23/10
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:	Rain
Client: WRS Compass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	NO-30
Grout Mix:	Water	380	lit		GS (EL)	186.58
	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:	171.83	EL
TOR:	171.83	EL
Time Start:	16:11	
Time Finish:	16:21	
Drilling Duration:	0:10	h:mm

Grouting Parameters:

Bottom of JGC:	171.83	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	173.58	EL
12 in/min Pull Rate to:	176.80	EL
Top of JGC:	176.80	EL
Time Start:	16:22	
Time Finish:	16:30	
Grouting Duration:	0:08	h:mm

Summary:

Constructed JG Height:	4.97	ft

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

Notes:

Pre-drilled hole

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 2/23/10
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:	Rain
Client: WRS Compass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	NO-31
Grout Mix:	Water	380	lit		GS (EL)	186.49
	Cement	95	kg		Rotation Speed (rpm)	12
	Slag	285	kg		Grout Pressure (Bar)	400
	Specific Gravity	1.46			Grout Flow (gal/min)	98
					Air Pressure (Bar)	7

Drilling Parameters:		
Top of ISS:	NA	EL
Bottom of ISS:	NA	EL
Nozzle:	170.85	EL
TOR:	170.85	EL
Time Start:	16:56	
Time Finish:	17:06	
Drilling Duration:	0:10	h:mm

Grouting Parameters:		
Bottom of JGC:	170.85	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	172.48	EL
12 in/min Pull Rate to:	177.11	EL
Top of JGC:	177.11	EL
Time Start:	17:06	
Time Finish:	17:14	
Grouting Duration:	0:08	h:mm

Summary:		
Constructed JG Height:	6.26	ft

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

Notes:

Pre-drilled hole

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 3/2/10
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.	NO-31R
Grout Mix:	Water	380	lit		GS (EL)	187.64
	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:	175.07	EL
Bottom:	175.07	EL
Time Start:	8:42	
Time Finish:	8:52	
Drilling Duration:	0:10	h:mm
Grouting Parameters:		
Bottom of JGC:	175.07	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	181.44	EL
Top of JGC:	181.44	EL
Time Start:	8:53	
Time Finish:	9:03	
Grouting Duration:	0:10	h:mm
Summary:		
Constructed JG Height:	6.37	ft

Depth	Notes
0 ft	0' Gravel/Rubble
10 ft	12.57' Final Depth
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Hole was re-worked to grout additional footage as directed by Parson's

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 2/23/10
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:	Rain
Client: WRS Compass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	NO-32
Grout Mix:	Water	380	lit		GS (EL)	186.72
	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:	169.77	EL
TOR:	169.77	EL
Time Start:	18:28	
Time Finish:	18:47	
Drilling Duration:	0:19	h:mm

Grouting Parameters:

Bottom of JGC:	169.77	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	172.30	EL
12 in/min Pull Rate to:	177.27	EL
Top of JGC:	177.27	EL
Time Start:	18:51	
Time Finish:	19:04	
Grouting Duration:	0:13	h:mm

Summary:

Constructed JG Height:	7.50	ft

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

Notes:

Pre-drilled hole

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 3/2/10
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.	NO-32R
Grout Mix:	Water	380	lit		GS (EL)	187.73
	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:	175.26	EL
Bottom:	175.26	EL
Time Start:	8:21	
Time Finish:	8:26	
Drilling Duration:	0:05	h:mm

Grouting Parameters:

Bottom of JGC:	175.26	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	181.40	EL
Top of JGC:	181.40	EL
Time Start:	8:26	
Time Finish:	8:38	
Grouting Duration:	0:12	h:mm

Summary:

Constructed JG Height:	6.14	ft

Depth	Notes
0 ft	0' Cementitious Material
10 ft	12.47' Final Depth
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Hole was re-worked to grout additional footage as directed by Parson's

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 2/23/10
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:	Rain
Client: WRS Compass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	NO-33
Grout Mix:	Water	380	lit		GS (EL)	186.68
	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:	169.13	EL
TOR:	169.14	EL
Time Start:	19:23	
Time Finish:	19:35	
Drilling Duration:	0:12	h:mm

Grouting Parameters:

Bottom of JGC:	169.14	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	171.76	EL
12 in/min Pull Rate to:	179.76	EL
Top of JGC:	179.76	EL
Time Start:	19:35	
Time Finish:	19:49	
Grouting Duration:	0:14	h:mm

Summary:

Constructed JG Height:	10.62	ft

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

Notes:

Pre-drilled hole

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 2/23/10
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:	RAIN
Client: WRS Compass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Col**		**Nozzle Dia:** 6mm	Element ID No.	NO-34
Grout Mix:	Water	380	lit		GS (EL)	186.89
	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:	169.39	EL
TOR:	169.38	EL
Time Start:	20:07	
Time Finish:	20:20	
Drilling Duration:	0:13	h:mm

Grouting Parameters:

Bottom of JGC:	169.38	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	171.34	EL
12 in/min Pull Rate to:	180.54	EL
Top of JGC:	180.54	EL
Time Start:	20:20	
Time Finish:	20:33	
Grouting Duration:	0:13	h:mm

Summary:

Constructed JG Height:	11.16	ft

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

Notes:

Pre-drilled hole

Technican Signature: Andrew Buttitta

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.	NO 35
Grout Mix:	Water	380	lit		GS (EL)	186.91
	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:	186.91	EL
Bottom of ISS:	178.50	EL
Nozzle:	169.91	EL
TOR:	169.91	EL
Time Start:	7:57	
Time Finish:	8:09	
Drilling Duration:	0:12	h:mm

Grouting Parameters:		
Bottom of JGC:	169.91	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	181.50	EL
Top of JGC:	181.50	EL
Time Start:	8:10	
Time Finish:	8:22	
Grouting Duration:	0:12	h:mm

Summary:		
Constructed JG Height:	11.59	ft

Depth	Notes
0 ft	0' Cementitious Material
10 ft	
	17' TOR (8:06 AM)
20 ft	18.56' Final Depth (8:09 AM)
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.	NO 36
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:	187.04	EL
Bottom of ISS:	178.42	EL
Nozzle:	169.99	EL
TOR:	169.99	EL
Time Start:	8:41	
Time Finish:	8:52	
Drilling Duration:	0:11	h:mm

Grouting Parameters:

Bottom of JGC:	169.99	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	181.63	EL
Top of JGC:	181.63	EL
Time Start:	8:53	
Time Finish:	9:05	
Grouting Duration:	0:12	h:mm

Summary:

Constructed JG Height:	11.64	ft

Depth	Notes
0 ft	0' Cementitious Material
10 ft	
	17.05' TOR (8:46 AM)
20 ft	18.63' Final Depth (8:52 AM)
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.	NO 37
Grout Mix:	Water	380	lit		GS (EL)	187.26
	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:	187.26	EL
Bottom of ISS:	178.45	EL
Nozzle:	169.96	EL
TOR:	169.96	EL
Time Start:	9:19	
Time Finish:	9:31	
Drilling Duration:	0:12	h:mm

Grouting Parameters:		
Bottom of JGC:	169.96	EL
6 in/min Pull Rate to:	NA	EL
8 in/min Pull Rate to:	NA	EL
12 in/min Pull Rate to:	181.49	EL
Top of JGC:	181.49	EL
Time Start:	9:31	
Time Finish:	9:44	
Grouting Duration:	0:13	h:mm

Summary:

Constructed JG Height: 11.53 ft

Depth	Notes
0 ft	0' Cementitious Material
10 ft	
	17.3' TOR (9:25 AM)
20 ft	18.82' Final Depth (9:31 AM)
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Predrilled Hole

Technican Signature: Jeff Ayres