MORETRENCH

DATE: 1/18/10
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, 40's
Client: WRSCompass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Panel**		**Nozzle Dia:** 4.5 mm	Element ID No.	JGW-1
Grout Mix:	Water	380	lit		GS (EL)	187.79
	Cement	95	kg		Rotation Speed (rpm)	0
	Slag	285	kg		Grout Pressure (Bar)	300
	Specific Gravity	1.46			Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	139.92	EL
TOR:	138.42	EL
Time Start:	12:00	
Time Finish:	12:50	
Drilling Duration:	0:50	h:mm

Grouting Parameters:

Leg 1 (South)

Bottom of JGP:	139.92	EL
12 in/min Pull Rate to:	147.96	EL
16 in/min Pull Rate to:	162.79	EL
24 in/min Pull Rate to:	178.83	EL
Top of JGP:	178.83	EL
Time Start:	13:07	
Time Finish:	13:39	
Grouting Duration:	0:32	h:mm

Leg 2

Bottom of JGP:		EL
12 in/min Pull Rate to:		EL
16 in/min Pull Rate to:		EL
24 in/min Pull Rate to:		EL
Top of JGP:		EL
Time Start:		
Time Finish:		
Grouting Duration:		h:mm

Depth	Notes
0 ft	0' Sand/Soil
10 ft	
20 ft	
30 ft	
40 ft	40.02' Till
50 ft	49.37' TOR
60 ft	

Notes:

Drill steel marked for nozzle location during drilling

Directed by WRSCompass and Con Edison to stop grouting at 9' bgs due to nearby manhole and future installation of water seperator.

Technican Signature: Jeff Ayres

MORETRENCH

DATE: 1/20/10
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: WRSCompass		Engineer:	Parsons

Working Parameters	Element Type:	Panel		Nozzle Dia: 4.5 mm	Element ID No.	JGW-2
Grout Mix:	Water	380	lit		GS (EL)	188.55
	Cement	95	kg		Rotation Speed (rpm)	0
	Slag	285	kg		Grout Pressure (Bar)	300
	Specific Gravity	1.46			Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	139.63	EL
TOR:	138.13	EL
Time Start:	8:02	
Time Finish:	8:11	
Drilling Duration:	0:09	h:mm

Grouting Parameters:

Leg 1 (South)

Bottom of JGP:	139.63	EL
12 in/min Pull Rate to:	149.61	EL
16 in/min Pull Rate to:	163.62	EL
24 in/min Pull Rate to:	179.59	EL
Top of JGP:	179.59	EL
Time Start:	8:15	
Time Finish:	8:50	
Grouting Duration:	0:35	h:mm

Leg 2 (East)

Bottom of JGP:	139.63	EL
12 in/min Pull Rate to:	149.67	EL
16 in/min Pull Rate to:	163.58	EL
24 in/min Pull Rate to:	179.59	EL
Top of JGP:	179.59	EL
Time Start:	9:10	
Time Finish:	9:41	
Grouting Duration:	0:31	h:mm

Depth	Notes
0 ft	0' Sand/Soil
10 ft	
20 ft	
30 ft	
	38.97' Till
40 ft	
50 ft	50.42' TOR (8:11 AM)
60 ft	

Notes:

Stopped Jetting @ 9' at direction of WRSCompass and Con Edison

Technican Signature: Jeff Ayres

MORETRENCH

DATE: 1/18/10
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: WRSCompass		Engineer:	Parsons

Working Parameters	Element Type:	Panel		Nozzle Dia: 4.5 mm	Element ID No.	JGW-3
Grout Mix:	Water	380	lit		GS (EL)	187.65
	Cement	95	kg		Rotation Speed (rpm)	0
	Slag	285	kg		Grout Pressure (Bar)	300
	Specific Gravity	1.46			Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	141.00	EL
TOR:	139.50	EL
Time Start:	14:37	
Time Finish:	14:48	
Drilling Duration:	0:11	h:mm

Grouting Parameters:

Leg 1 (West)

Bottom of JGP:	141.00	EL
12 in/min Pull Rate to:	149.23	EL
16 in/min Pull Rate to:	162.80	EL
24 in/min Pull Rate to:	184.70	EL
Top of JGP:	184.70	EL
Time Start:	17:43	
Time Finish:	18:17	
Grouting Duration:	0:34	h:mm

Leg 2 (East)

Bottom of JGP:	141.00	EL
12 in/min Pull Rate to:	149.17	EL
16 in/min Pull Rate to:	162.80	EL
24 in/min Pull Rate to:	184.73	EL
Top of JGP:	184.73	EL
Time Start:	19:31	
Time Finish:	20:22	
Grouting Duration:	0:51	h:mm

Depth	Notes
0 ft	0' Sand/Soil
10 ft	
20 ft	
30 ft	
40 ft	38.74' Till
50 ft	48.15' TOR
60 ft	

Notes:

Sampled at 20' bgs

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 1/20/10
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: WRSCompass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Panel**		**Nozzle Dia:** 4.5 mm	Element ID No.	JGW-4
Grout Mix:	Water	380	lit		GS (EL)	188.45
	Cement	95	kg		Rotation Speed (rpm)	0
	Slag	285	kg		Grout Pressure (Bar)	300
	Specific Gravity	1.46			Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	143.34	EL
TOR:	141.84	EL
Time Start:	10:11	
Time Finish:	10:19	
Drilling Duration:	0:08	h:mm

Grouting Parameters:

Leg 1 (West)

Bottom of JGP:	143.34	EL
12 in/min Pull Rate to:	148.42	EL
16 in/min Pull Rate to:	163.61	EL
24 in/min Pull Rate to:	185.53	EL
Top of JGP:	185.53	EL
Time Start:	10:20	
Time Finish:	10:59	
Grouting Duration:	0:39	h:mm

Leg 2 (East)

Bottom of JGP:	143.34	EL
12 in/min Pull Rate to:	148.42	EL
16 in/min Pull Rate to:	163.48	EL
24 in/min Pull Rate to:	185.53	EL
Top of JGP:	185.53	EL
Time Start:	11:15	
Time Finish:	11:45	
Grouting Duration:	0:30	h:mm

Depth	Notes
0 ft	0' Sand/Soil
10 ft	
20 ft	
30 ft	
40 ft	40.0' Till
	46.61' TOR (10:19 AM)
50 ft	
60 ft	

Notes:

Technican Signature: Jeff Ayres

MORETRENCH

DATE: 1/19/10
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, Cool
Client: WRSCompass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Panel**		**Nozzle Dia:** 4.5 mm	Element ID No.	JGW-5
Grout Mix:	Water	380	lit		GS (EL)	188.60
	Cement	95	kg		Rotation Speed (rpm)	0
	Slag	285	kg		Grout Pressure (Bar)	300
	Specific Gravity	1.47			Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	142.08	EL
TOR:	140.58	EL
Time Start:	8:02	
Time Finish:	8:31	
Drilling Duration:	0:29	h:mm

Grouting Parameters:

Leg 1 (West)

Bottom of JGP:	142.08	EL
12 in/min Pull Rate to:	149.69	EL
16 in/min Pull Rate to:	163.60	EL
24 in/min Pull Rate to:	185.58	EL
Top of JGP:	185.58	EL
Time Start:	8:32	
Time Finish:	9:05	
Grouting Duration:	0:33	h:mm

Leg 2 (East)

Bottom of JGP:	142.08	EL
12 in/min Pull Rate to:	149.66	EL
16 in/min Pull Rate to:	163.60	EL
24 in/min Pull Rate to:	185.65	EL
Top of JGP:	185.65	EL
Time Start:	9:47	
Time Finish:	10:23	
Grouting Duration:	0:36	h:mm

Depth	Notes
0 ft	0' Sand/Soil
10 ft	
20 ft	
30 ft	
	38.93' Till
40 ft	
	48.02' TOR (8:29 AM)
50 ft	
60 ft	

Notes:

Sampled at 19' bgs

Technican Signature: Jeff Ayres

MORETRENCH

DATE: 1/20/10
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: WRSCompass		Engineer:	Parsons

Working Parameters	Element Type:	Panel		Nozzle Dia: 4.5 mm	Element ID No.	JGW-6
Grout Mix:	Water	380	lit		GS (EL)	188.69
	Cement	95	kg		Rotation Speed (rpm)	0
	Slag	285	kg		Grout Pressure (Bar)	300
	Specific Gravity	1.46			Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	144.97	EL
TOR:	146.14	EL
Time Start:	13:01	
Time Finish:	13:21	
Drilling Duration:	0:20	h:mm

Grouting Parameters:

Leg 1 (West)

Bottom of JGP:	147.64	EL
12 in/min Pull Rate to:	151.62	EL
16 in/min Pull Rate to:	163.85	EL
24 in/min Pull Rate to:	185.84	EL
Top of JGP:	185.84	EL
Time Start:	13:21	
Time Finish:	13:48	
Grouting Duration:	0:27	h:mm

Leg 2 (East)

Bottom of JGP:	147.64	EL
12 in/min Pull Rate to:	151.52	EL
16 in/min Pull Rate to:	163.76	EL
24 in/min Pull Rate to:	185.80	EL
Top of JGP:	185.80	EL
Time Start:	14:10	
Time Finish:	14:36	
Grouting Duration:	0:26	h:mm

Depth	Notes
0 ft	0' Sand/Soil
10 ft	
20 ft	
30 ft	37.10' Till
40 ft	42.55' TOR (1:19 PM)
50 ft	43.72' Final Depth
60 ft	

Notes:

Drilled deeper to meet anticipated bedrock

Technican Signature: Jeff Ayres

MORETRENCH

DATE: 1/19/10
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, 40's
Client: WRSCompass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Panel**		**Nozzle Dia:** 4.5 mm	Element ID No.	JGW-7
Grout Mix:	Water	380	lit		GS (EL)	188.59
	Cement	95	kg		Rotation Speed (rpm)	0
	Slag	285	kg		Grout Pressure (Bar)	300
	Specific Gravity	1.47			Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	149.25	EL
TOR:	147.75	EL
Time Start:	11:52	
Time Finish:	12:02	
Drilling Duration:	0:10	h:mm

Grouting Parameters:

Leg 1 (West)

Bottom of JGP:	149.25	EL
12 in/min Pull Rate to:	152.07	EL
16 in/min Pull Rate to:	163.62	EL
24 in/min Pull Rate to:	185.67	EL
Top of JGP:	185.67	EL
Time Start:	12:04	
Time Finish:	12:29	
Grouting Duration:	0:25	h:mm

Leg 2 (East)

Bottom of JGP:	149.25	EL
12 in/min Pull Rate to:	152.11	EL
16 in/min Pull Rate to:	163.62	EL
24 in/min Pull Rate to:	185.64	EL
Top of JGP:	185.64	EL
Time Start:	12:48	
Time Finish:	13:13	
Grouting Duration:	0:25	h:mm

Depth	Notes
0 ft	0' Sand/Soil
10 ft	
20 ft	
30 ft	36.54' Till
40 ft	40.84' TOR (12:02 PM)
50 ft	
60 ft	

Notes:

Technican Signature: Jeff Ayres

MORETRENCH

DATE: 1/20/10
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: WRSCompass		Engineer:	Parsons

Working Parameters	Element Type:	Panel		Nozzle Dia: 4.5 mm	Element ID No.	JGW-8
Grout Mix:	Water	380	lit		GS (EL)	188.33
	Cement	95	kg		Rotation Speed (rpm)	0
	Slag	285	kg		Grout Pressure (Bar)	300
	Specific Gravity	1.46			Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	149.75	EL
TOR:	149.46	EL
Time Start:	15:27	
Time Finish:	15:41	
Drilling Duration:	0:14	h:mm

Grouting Parameters:

Leg 1 (West)

Bottom of JGP:	150.96	EL
12 in/min Pull Rate to:	156.11	EL
16 in/min Pull Rate to:	163.36	EL
24 in/min Pull Rate to:	184.56	EL
Top of JGP:	184.56	EL
Time Start:	15:41	
Time Finish:	16:05	
Grouting Duration:	0:24	h:mm

Leg 2 (East)

Bottom of JGP:	150.96	EL
12 in/min Pull Rate to:	NA	EL
16 in/min Pull Rate to:	163.36	EL
24 in/min Pull Rate to:	184.56	EL
Top of JGP:	184.56	EL
Time Start:	16:20	
Time Finish:	16:43	
Grouting Duration:	0:23	h:mm

Depth	Notes
0 ft	0' Sand/Soil
10 ft	
20 ft	
30 ft	
	37.92' Till
	38.87' TOR (3:38 PM)
40 ft	40.08' Final Depth (3:41 PM)
50 ft	
60 ft	

Notes:

Drilled deeper to meet anticipated bedrock.

Stopped grouting at 4' bgs due to GS EL being above sidewalk EL.

Technican Signature: Jeff Ayres

MORETRENCH

DATE: 1/19/10
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, Cool
Client: WRSCompass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Panel**		**Nozzle Dia:** 4.5 mm	Element ID No.	JGW-9
Grout Mix:	Water	380	lit		GS (EL)	188.65
	Cement	95	kg		Rotation Speed (rpm)	0
	Slag	285	kg		Grout Pressure (Bar)	300
	Specific Gravity	1.47			Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	148.98	EL
TOR:	147.48	EL
Time Start:	1:30	
Time Finish:	1:36	
Drilling Duration:	0:06	h:mm

Grouting Parameters:

Leg 1 (West)

Bottom of JGP:	148.98	EL
12 in/min Pull Rate to:	153.15	EL
16 in/min Pull Rate to:	163.68	EL
24 in/min Pull Rate to:	185.80	EL
Top of JGP:	185.80	EL
Time Start:	13:39	
Time Finish:	14:05	
Grouting Duration:	0:26	h:mm

Leg 2 (East)

Bottom of JGP:	148.98	EL
12 in/min Pull Rate to:	153.18	EL
16 in/min Pull Rate to:	163.68	EL
24 in/min Pull Rate to:	185.73	EL
Top of JGP:	185.73	EL
Time Start:	14:24	
Time Finish:	14:50	
Grouting Duration:	0:26	h:mm

Depth	Notes
0 ft	0' Sand/Soil
10 ft	
20 ft	
30 ft	
	35.5' Till
40 ft	
	41.17' TOR (1:36)
50 ft	
60 ft	

Notes:

Technican Signature: Jeff Ayres

MORETRENCH

DATE: 1/20/10
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 & Cool
Client: WRSCompass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Panel**		**Nozzle Dia:** 4.5 mm	Element ID No.	JGW-10
Grout Mix:	Water	380	lit		GS (EL)	188.49
	Cement	95	kg		Rotation Speed (rpm)	0
	Slag	285	kg		Grout Pressure (Bar)	300
	Specific Gravity	1.46			Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	150.99	EL
TOR:	150.74	EL
Time Start:	16:55	
Time Finish:	17:11	
Drilling Duration:	0:16	h:mm

Grouting Parameters:

Leg 1 (West)

Bottom of JGP:	152.24	EL
12 in/min Pull Rate to:	153.32	EL
16 in/min Pull Rate to:	163.62	EL
24 in/min Pull Rate to:	184.49	EL
Top of JGP:	184.49	EL
Time Start:	17:25	
Time Finish:	17:46	
Grouting Duration:	0:21	h:mm

Leg 2 (East)

Bottom of JGP:	152.24	EL
12 in/min Pull Rate to:	153.39	EL
16 in/min Pull Rate to:	163.95	EL
24 in/min Pull Rate to:	184.55	EL
Top of JGP:	184.55	EL
Time Start:	17:57	
Time Finish:	18:18	
Grouting Duration:	0:21	h:mm

Depth	Notes
0 ft	0' Sand/Soil
10 ft	
20 ft	
30 ft	
	36.90' Till
	37.75' TOR
40 ft	39.00' Final Depth
50 ft	
60 ft	

Notes:

Drilled deeper to meet anticipated bedrock

Technican Signature:

MORETRENCH

DATE: 1/19/10
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, Cool
Client: WRSCompass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Panel**		**Nozzle Dia:** 4.5 mm	Element ID No.	JGW-11
Grout Mix:	Water	380	lit		GS (EL)	189.15
	Cement	95	kg		Rotation Speed (rpm)	0
	Slag	285	kg		Grout Pressure (Bar)	300
	Specific Gravity	1.46			Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	152.37	EL
TOR:	150.87	EL
Time Start:	15:51	
Time Finish:	15:59	
Drilling Duration:	0:08	h:mm

Grouting Parameters:

Leg 1 (West)

Bottom of JGP:	150.87	EL
12 in/min Pull Rate to:	156.11	EL
16 in/min Pull Rate to:	164.48	EL
24 in/min Pull Rate to:	186.23	EL
Top of JGP:	186.23	EL
Time Start:	16:04	
Time Finish:	16:30	
Grouting Duration:	0:26	h:mm

Leg 2 (East)

Bottom of JGP:	152.37	EL
12 in/min Pull Rate to:	155.13	EL
16 in/min Pull Rate to:	165.13	EL
24 in/min Pull Rate to:	186.36	EL
Top of JGP:	186.36	EL
Time Start:	16:45	
Time Finish:	17:09	
Grouting Duration:	0:24	h:mm

Depth	Notes
0 ft	0' Sand/Soil
10 ft	
20 ft	
	25.42' Cobble
30 ft	
	34.44' Till
	38.28' TOR
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 1/20/10
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: WRSCompass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Panel**		**Nozzle Dia:** 4.5 mm	Element ID No.	JGW-12
Grout Mix:	Water	380	lit		GS (EL)	188.63
	Cement	95	kg		Rotation Speed (rpm)	0
	Slag	285	kg		Grout Pressure (Bar)	300
	Specific Gravity	1.47			Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	153.92	EL
TOR:	152.42	EL
Time Start:	19:34	
Time Finish:	19:42	
Drilling Duration:	0:08	h:mm

Grouting Parameters:

Leg 1 (West)

Bottom of JGP:	153.92	EL
12 in/min Pull Rate to:	157.63	EL
16 in/min Pull Rate to:	163.63	EL
24 in/min Pull Rate to:	184.69	EL
Top of JGP:	184.69	EL
Time Start:	19:42	
Time Finish:	20:03	
Grouting Duration:	0:21	h:mm

Leg 2 (East)

Bottom of JGP:	153.92	EL
12 in/min Pull Rate to:	157.76	EL
16 in/min Pull Rate to:	163.64	EL
24 in/min Pull Rate to:	184.66	EL
Top of JGP:	184.66	EL
Time Start:	20:15	
Time Finish:	20:37	
Grouting Duration:	0:22	h:mm

Depth	Notes
0 ft	0' Sand/Soil
10 ft	
20 ft	
30 ft	
	32.24' Till
	36.21' TOR
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature:

MORETRENCH

DATE: 1/19/10
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, Cool
Client: WRSCompass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Panel**		**Nozzle Dia:** 4.5 mm	Element ID No.	JGW-13
Grout Mix:	Water	380	lit		GS (EL)	189.12
	Cement	95	kg		Rotation Speed (rpm)	0
	Slag	285	kg		Grout Pressure (Bar)	300
	Specific Gravity	1.47			Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	156.48	EL
TOR:	155.99	EL
Time Start:	17:26	
Time Finish:	17:34	
Drilling Duration:	0:08	h:mm

Grouting Parameters:

Leg 1 (West)

Bottom of JGP:	157.49	EL
12 in/min Pull Rate to:	159.07	EL
16 in/min Pull Rate to:	164.19	EL
24 in/min Pull Rate to:	185.15	EL
Top of JGP:	185.15	EL
Time Start:	17:37	
Time Finish:	17:54	
Grouting Duration:	0:17	h:mm

Leg 2 (East)

Bottom of JGP:	157.49	EL
12 in/min Pull Rate to:	158.97	EL
16 in/min Pull Rate to:	164.32	EL
24 in/min Pull Rate to:	185.18	EL
Top of JGP:	185.18	EL
Time Start:	18:07	
Time Finish:	18:25	
Grouting Duration:	0:18	h:mm

Depth	Notes
0 ft	0' Sand/Soil
10 ft	
20 ft	
30 ft	31.65' Till
	33.13' TOR
	34.14' Final Depth
40 ft	
50 ft	
60 ft	

Notes:

Drilled deeper to meet anticipated bedrock.

Stopped grouting at 4' bgs due to GS EL being above sidewalk EL.

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 1/21/10
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: WRSCompass		Engineer:	Parsons

Working Parameters	Element Type:	Panel		Nozzle Dia: 4.5 mm	Element ID No.	JGW-14
Grout Mix:	Water	380	lit		GS (EL)	188.65
	Cement	95	kg		Rotation Speed (rpm)	0
	Slag	285	kg		Grout Pressure (Bar)	300
	Specific Gravity	1.47			Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	158.63	EL
TOR:	157.49	EL
Time Start:	9:02	
Time Finish:	9:10	
Drilling Duration:	0:08	h:mm

Grouting Parameters:

Leg 1 (West)

Bottom of JGP:	158.99	EL
12 in/min Pull Rate to:	NA	EL
16 in/min Pull Rate to:	168.61	EL
24 in/min Pull Rate to:	184.75	EL
Top of JGP:	184.75	EL
Time Start:	9:10	
Time Finish:	9:26	
Grouting Duration:	0:16	h:mm

Leg 2 (East)

Bottom of JGP:	158.99	EL
12 in/min Pull Rate to:	NA	EL
16 in/min Pull Rate to:	163.68	EL
24 in/min Pull Rate to:	184.91	EL
Top of JGP:	184.91	EL
Time Start:	9:42	
Time Finish:	9:58	
Grouting Duration:	0:16	h:mm

Depth	Notes
0 ft	0' Sand/Soil
10 ft	
20 ft	
30 ft	30' Till
	31.16' TOR (9:07 AM)
	31.52' Final Depth (9:09 AM)
40 ft	
50 ft	
60 ft	

Notes:

Drilled deeper to meet anticipated bedrock.

Stopped grouting at 4' bgs due to GS EL being above sidewalk EL.

Technican Signature: Jeff Ayres

MORETRENCH

DATE: 1/19/10
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, Cool
Client: WRSCompass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Panel**		**Nozzle Dia:** 4.5 mm	Element ID No.	JGW-15
Grout Mix:	Water	380	lit		GS (EL)	189.02
	Cement	95	kg		Rotation Speed (rpm)	0
	Slag	285	kg		Grout Pressure (Bar)	300
	Specific Gravity	1.47			Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	158.51	EL
TOR:	159.96	EL
Time Start:	19:29	
Time Finish:	19:43	
Drilling Duration:	0:14	h:mm

Grouting Parameters:

Leg 1 (West)

Bottom of JGP:	161.46	EL
12 in/min Pull Rate to:	162.21	EL
16 in/min Pull Rate to:	164.05	EL
24 in/min Pull Rate to:	185.51	EL
Top of JGP:	185.51	EL
Time Start:	19:45	
Time Finish:	19:59	
Grouting Duration:	0:14	h:mm

Leg 2 (East)

Bottom of JGP:	161.46	EL
12 in/min Pull Rate to:	162.12	EL
16 in/min Pull Rate to:	164.15	EL
24 in/min Pull Rate to:	185.02	EL
Top of JGP:	185.02	EL
Time Start:	20:09	
Time Finish:	20:23	
Grouting Duration:	0:14	h:mm

Depth	Notes
0 ft	0' Sand/Soil
10 ft	
20 ft	
	28.24' Till
30 ft	29.06' TOR
	32.01' Final Depth
40 ft	
50 ft	
60 ft	

Notes:

Drilled deeper to meet anticipated bedrock

Technican Signature:

MORETRENCH

DATE: 1/22/10
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, Cool
Client: WRSCompass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Panel**		**Nozzle Dia:** 4.5 mm	Element ID No.	JGW-16
Grout Mix:	Water	380	lit		GS (EL)	188.75
	Cement	95	kg		Rotation Speed (rpm)	0
	Slag	285	kg		Grout Pressure (Bar)	300
	Specific Gravity	1.46			Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	160.86	EL
TOR:	160.38	EL
Time Start:	15:58	
Time Finish:	16:09	
Drilling Duration:	0:11	h:mm

Grouting Parameters:

Leg 1 (West)

Bottom of JGP:	161.88	EL
12 in/min Pull Rate to:	164.44	EL
16 in/min Pull Rate to:	NA	EL
24 in/min Pull Rate to:	183.83	EL
Top of JGP:	183.83	EL
Time Start:	16:10	
Time Finish:	16:23	
Grouting Duration:	0:13	h:mm

Leg 2 (East)

Bottom of JGP:	161.88	EL
12 in/min Pull Rate to:	164.83	EL
16 in/min Pull Rate to:	NA	EL
24 in/min Pull Rate to:	183.76	EL
Top of JGP:	183.76	EL
Time Start:	16:33	
Time Finish:	16:47	
Grouting Duration:	0:14	h:mm

Depth	Notes
0 ft	0' Sand/Soil
10 ft	
20 ft	
	25.88' Till
	28.37' TOR
30 ft	29.39' Final Depth
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 1/21/10
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: WRSCompass		Engineer:	Parsons

Working Parameters	Element Type:	Panel		Nozzle Dia: 4.5 mm		
Grout Mix:	Water	380	lit		Element ID No.	JGW-17
	Cement	95	kg		GS (EL)	188.83
	Slag	285	kg		Rotation Speed (rpm)	0
	Specific Gravity	1.47			Grout Pressure (Bar)	300
					Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	163.34	EL
TOR:	163.84	EL
Time Start:	10:24	
Time Finish:	10:42	
Drilling Duration:	0:18	h:mm

Grouting Parameters:

Leg 1 (West)

Bottom of JGP:	163.34	EL
12 in/min Pull Rate to:	NA	EL
16 in/min Pull Rate to:	163.83	EL
24 in/min Pull Rate to:	184.86	EL
Top of JGP:	184.86	EL
Time Start:	10:43	
Time Finish:	11:00	
Grouting Duration:	0:11	h:mm

Leg 2 (East)

Bottom of JGP:	163.34	EL
12 in/min Pull Rate to:	NA	EL
16 in/min Pull Rate to:	163.83	EL
24 in/min Pull Rate to:	185.06	EL
Top of JGP:	185.06	EL
Time Start:	11:11	
Time Finish:	11:23	
Grouting Duration:	0:12	h:mm

Depth	Notes
0 ft	0' Cememtitious Material
	4.26' Rock/Boulder
10 ft	
20 ft	
	24.99' TOR (10:31 AM)
	26.99' Final Depth (10:42 AM)
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Drilled deeper to meet anticipated bedrock. Discussion with WRSC and Parson's to drill only additional two (2) feet into rock since bedrock was encountered 4 feet above anticipated.

Stopped grouting at 4' bgs due to GS EL being above sidewalk EL.

Technican Signature: Jeff Ayres

MORETRENCH

DATE: 1/22/10
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, Cool
Client: WRSCompass		Engineer:	Parsons

Working Parameters	Element Type:	Panel		Nozzle Dia: 4.5 mm	Element ID No.	JGW-18
Grout Mix:	Water	380	lit		GS (EL)	188.96
	Cement	95	kg		Rotation Speed (rpm)	0
	Slag	285	kg		Grout Pressure (Bar)	300
	Specific Gravity	1.46			Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	167.50	EL
TOR:	166.00	EL
Time Start:	16:58	
Time Finish:	17:01	
Drilling Duration:	0:03	h:mm

Grouting Parameters:

Leg 1 (West)

Bottom of JGP:	167.50	EL
12 in/min Pull Rate to:	NA	EL
16 in/min Pull Rate to:	NA	EL
24 in/min Pull Rate to:	184.07	EL
Top of JGP:	184.07	EL
Time Start:	17:02	
Time Finish:	17:11	
Grouting Duration:	0:09	h:mm

Leg 2 (East)

Bottom of JGP:	167.50	EL
12 in/min Pull Rate to:	NA	EL
16 in/min Pull Rate to:	NA	EL
24 in/min Pull Rate to:	183.94	EL
Top of JGP:	183.94	EL
Time Start:	17:20	
Time Finish:	17:29	
Grouting Duration:	0:09	h:mm

Depth	Notes
0 ft	0' Sand/Soil
10 ft	
20 ft	
	22.96' TOR
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 1/21/10
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: WRSCompass		Engineer:	Parsons

Working Parameters	Element Type:	Panel		Nozzle Dia: 4.5 mm		
Grout Mix:	Water	380	lit		Element ID No.	JGW-19
	Cement	95	kg		GS (EL)	189.31
	Slag	285	kg		Rotation Speed (rpm)	0
	Specific Gravity	1.47			Grout Pressure (Bar)	300
					Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	167.79	EL
TOR:	168.31	EL
Time Start:	12:31	
Time Finish:	13:00	
Drilling Duration:	0:18	h:mm

Grouting Parameters:

Leg 1 (West)

Bottom of JGP:	167.79	EL
12 in/min Pull Rate to:	NA	EL
16 in/min Pull Rate to:	NA	EL
24 in/min Pull Rate to:	185.44	EL
Top of JGP:	185.44	EL
Time Start:	13:01	
Time Finish:	13:11	
Grouting Duration:	0:10	h:mm

Leg 2 (East)

Bottom of JGP:	167.79	EL
12 in/min Pull Rate to:	NA	EL
16 in/min Pull Rate to:	NA	EL
24 in/min Pull Rate to:	185.31	EL
Top of JGP:	185.31	EL
Time Start:	13:22	
Time Finish:	13:31	
Grouting Duration:	0:09	h:mm

Depth	Notes
0 ft	0' Cementitious Material
	4.5' Rock/Boulder
10 ft	
20 ft	
	21' TOR (12:51 PM)
	23.02' Final Depth (1:00 PM)
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Drilled deeper to meet anticipated bedrock. Discussion with WRSC and Parson's to drill only additional two (2) feet into rock since bedrock was encountered 5 feet above anticipated.

Stopped grouting at 4' bgs due to GS EL being above sidewalk EL.

Technican Signature: Jeff Ayres

MORETRENCH

DATE: 1/22/10
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, Cool
Client: WRSCompass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Panel**		**Nozzle Dia:** 4.5 mm	Element ID No.	JGW-20
Grout Mix:	Water	380	lit		GS (EL)	189.37
	Cement	95	kg		Rotation Speed (rpm)	0
	Slag	285	kg		Grout Pressure (Bar)	300
	Specific Gravity	1.47			Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	169.49	EL
TOR:	167.99	EL
Time Start:	18:31	
Time Finish:	18:37	
Drilling Duration:	0:06	h:mm

Grouting Parameters:

Leg 1 (West)

Bottom of JGP:	169.49	EL
12 in/min Pull Rate to:	NA	EL
16 in/min Pull Rate to:	NA	EL
24 in/min Pull Rate to:	184.42	EL
Top of JGP:	184.42	EL
Time Start:	18:41	
Time Finish:	18:51	
Grouting Duration:	0:10	h:mm

Leg 2 (East)

Bottom of JGP:	169.49	EL
12 in/min Pull Rate to:	NA	EL
16 in/min Pull Rate to:	NA	EL
24 in/min Pull Rate to:	184.48	EL
Top of JGP:	184.48	EL
Time Start:	19:06	
Time Finish:	19:14	
Grouting Duration:	0:08	h:mm

Depth	**Notes**
0 ft	0' Sand/Soil
10 ft	
20 ft	21.38' TOR
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 2/11/10
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: WRSCompass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Panel**		**Nozzle Dia:** 4.5 mm	Element ID No.	JGW-21
Grout Mix:	Water	380	lit		GS (EL)	188.27
	Cement	95	kg		Rotation Speed (rpm)	0
	Slag	285	kg		Grout Pressure (Bar)	300
	Specific Gravity	1.46			Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	167.27	EL
TOR:	167.35	EL
Time Start:	17:56	
Time Finish:	18:06	
Drilling Duration:	0:10	h:mm

Grouting Parameters:

Leg 1 (West)

Bottom of JGP:	167.35	EL
12 in/min Pull Rate to:	169.44	EL
16 in/min Pull Rate to:	173.08	EL
24 in/min Pull Rate to:	185.05	EL
Top of JGP:	185.05	EL
Time Start:	18:10	
Time Finish:	18:23	
Grouting Duration:	0:13	h:mm

Leg 2 (East)

Bottom of JGP:	167.35	EL
12 in/min Pull Rate to:	170.49	EL
16 in/min Pull Rate to:	172.92	EL
24 in/min Pull Rate to:	185.27	EL
Top of JGP:	185.27	EL
Time Start:	18:31	
Time Finish:	18:45	
Grouting Duration:	0:14	h:mm

Depth	Notes
0 ft	0' Sand/Soil
	2' - 3' Obstruction
10 ft	
20 ft	20.92' TOR
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Andrew Buttitta

MORETRENCH

DATE: 2/12/10
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: WRSCompass		Engineer:	Parsons

Working Parameters	**Element Type:**	**Panel**		**Nozzle Dia:** 4.5 mm	Element ID No.	JGW-22
Grout Mix:	Water	380	lit		GS (EL)	188.23
	Cement	95	kg		Rotation Speed (rpm)	0
	Slag	285	kg		Grout Pressure (Bar)	300
	Specific Gravity	1.46			Grout Flow (gal/min)	47
					Air Pressure (Bar)	0

Drilling Parameters:

Nozzle:	170.25	EL
TOR:	170.33	EL
Time Start:	14:56	
Time Finish:	15:07	
Drilling Duration:	0:11	h:mm

Grouting Parameters:

Leg 1 (West)

Bottom of JGP:	170.33	EL
12 in/min Pull Rate to:	171.92	EL
16 in/min Pull Rate to:	173.20	EL
24 in/min Pull Rate to:	183.70	EL
Top of JGP:	183.70	EL
Time Start:	15:09	
Time Finish:	15:22	
Grouting Duration:	0:13	h:mm

Leg 2 (East)

Bottom of JGP:	170.33	EL
12 in/min Pull Rate to:	172.15	EL
16 in/min Pull Rate to:	173.30	EL
24 in/min Pull Rate to:	184.46	EL
Top of JGP:	184.46	EL
Time Start:	15:56	
Time Finish:	16:06	
Grouting Duration:	0:10	h:mm

Depth	Notes
0 ft	0' Sand/Soil
10 ft	
	17.90' TOR
20 ft	
30 ft	
40 ft	
50 ft	
60 ft	

Notes:

Technican Signature: Andrew Buttitta