

Milwaukee County 2015 Sanitary Sewer
Rehabilitation

V009-15804

Contract 2

PAST CCTV TELEVISIONING REPORTS FOR
REFERENCE FOR PIPE REHABILITATION
WORK SCHEDULE ON **SHEET C-04**

Upstream MH

766-010

Downstream MH

766-009

Date	Time	Location (Street)			Job Number
02/27/2015	10:24 AM	GREENFIELD PARK			13007W-11
Use of Sewer	Pipe Size	Material	Jt. Spacing	Shape	Survey Direction
Sanitary	8	Cast Iron	4	Circular	Downstream
Pre-Cleaning	Weather	Surface	US MH Depth	DS MH Depth	Flow Direction
Jetting	Damp	Grass	8	8	E
Media No.	Surveyed Length	Total Length	Surveyor	Certificate No.	Truck No.
05	211	211	MICHAEL FABIAN	U-1109-9734	235

Comments

Ftg.	Code	Description	Position	Cont.	Comment
*0.0	DAE	Deposits Attached: Encrustation	12 to 12	F01	END DEFECT
*0.0	AMH	Access Point - Manhole			MH 766-010
*0.0	MWL	Water Level			
*0.0	DAE	Deposits Attached: Encrustation	12 to 12	S01	WANDERING REPEATED DEFECT
*150.6	ID	Infiltration - Dripper	1 to 2		
*176.3	ID	Infiltration - Dripper	11 to 2		
*211.0	AMH	Access Point - Manhole			

ENDING IN MANHOLE :766-009

Upstream MH

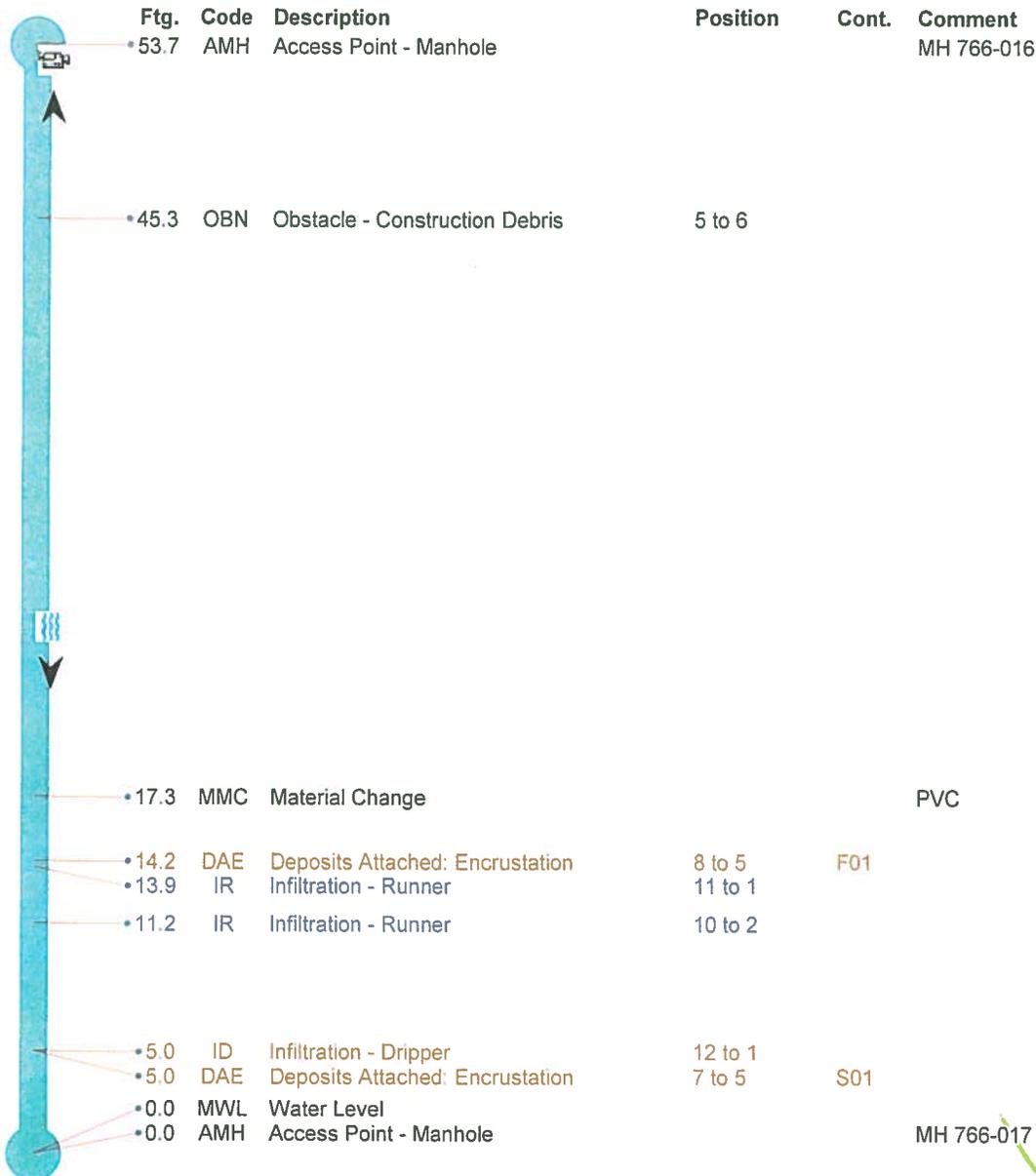
766-016

Downstream MH

766-015

Date 03/2/2015	Time 11:33 AM	Location (Street) MAIN ST EASEMENT		Job Number 13007W-11	
Use of Sewer Sanitary	Pipe Size 8	Material Vitrified Clay Pipe	Jt. Spacing 3	Shape Circular	Survey Direction Upstream
Pre-Cleaning Jetting	Weather Dry	Surface Asphalt	US MH Depth 6.5	DS MH Depth 6.6	Flow Direction N
Media No. 06	Surveyed Length 53.7	Total Length 53.7	Surveyor MIKE BRIGHT	Certificate No. U-1014-06022507	Truck No. 205-I

Comments



015

Upstream MH

766-017

Downstream MH

766-016

Date 03/2/2015	Time 1:30 PM	Location (Street) MAIN ST EASEMENT			Job Number 13007W-11
Use of Sewer Sanitary	Pipe Size 8	Material Polyvinyl Chloride	Jt. Spacing 6	Shape Circular	Survey Direction Upstream
Pre-Cleaning Jetting	Weather Dry	Surface Asphalt	US MH Depth 6.2	DS MH Depth 6.5	Flow Direction N
Media No. 06	Surveyed Length 100.3	Total Length 100.3	Surveyor MIKE BRIGHT	Certificate No. U-1014-06022507	Truck No. 205-I

Comments

Ftg.	Code	Description	Position	Cont.	Comment
100.3	AMH	Access Point - Manhole			MH 766-017
99.2	DAE	Deposits Attached: Encrustation	8 to 4	F02	
89.4	CL	Crack Longitudinal	11		
47.1	DAE	Deposits Attached: Encrustation	8 to 4	S02	
44.1	DAE	Deposits Attached: Encrustation	9 to 5		
38.2	DAE	Deposits Attached: Encrustation	7 to 10		
32.2	DAE	Deposits Attached: Encrustation	7 to 4		
23.1	ID	Infiltration - Dripper	10 to 12		
23.1	DAE	Deposits Attached: Encrustation	8 to 4		
20.1	DAE	Deposits Attached: Encrustation	7 to 5		
17.6	JOL	Joint Offset (displaced): Large			
11.5	DAE	Deposits Attached: Encrustation	7 to 5	F01	
5.5	DAE	Deposits Attached: Encrustation	7 to 5	S01	
4.2	MMC	Material Change			VCP
0.0	MWL	Water Level			
0.0	AMH	Access Point - Manhole			MH 766-016

Upstream MH

766-027

Downstream MH

766-028

Date 02/25/2015	Time 11:14 AM	Location (Street) GREENFIELD PARK			Job Number 13007W-11
Use of Sewer Sanitary	Pipe Size 8	Material Vitrified Clay Pipe	Jt. Spacing 4	Shape Circular	Survey Direction Downstream
Pre-Cleaning Jetting	Weather Damp	Surface Grass	US MH Depth 9	DS MH Depth 6.5	Flow Direction N
Media No. 06	Surveyed Length 309.5	Total Length 310	Surveyor MICHAEL FABIAN	Certificate No. U-1109-9734	Truck No. 235

Comments

Ftg.	Code	Description	Position	Cont.	Comment
•0.0	AMH	Access Point - Manhole			MH 766-027
•0.0	MWL	Water Level			
•1.3	DSF	Deposits Settled: Fine	5 to 7	S01	WANDERING LITE SAND
•3.0	DAE	Deposits Attached: Encrustation	7 to 4		
•3.0	ID	Infiltration - Dripper	7 to 11		
•7.1	DAE	Deposits Attached: Encrustation	9 to 3		
•16.3	DAE	Deposits Attached: Encrustation	6 to 8		WANDERING FINE ROOTS
•34.1	DAE	Deposits Attached: Encrustation	8 to 10	S02	WANDERING DEPOSITS AT JOINTS
•279.0	MWLS	Water Level: Sag		S03	START OF SAG
•288.1	MWL	Water Level			
•307.0	DAE	Deposits Attached: Encrustation	12 to 12	F02	END DEFECT
•308.0	MWLS	Water Level: Sag		F03	END SAG
•308.0	DSF	Deposits Settled: Fine	5 to 8	F01	END DEFECT
•309.5	AMH	Access Point - Manhole			ENDING IN MANHOLE :766-028

Upstream MH

766-036

Downstream MH

766-037

Date 02/26/2015	Time 10:41 AM	Location (Street) GREENFIELD PARK			Job Number 13007W-11
Use of Sewer Sanitary	Pipe Size 10	Material Vitrified Clay Pipe	Jt. Spacing 4	Shape Circular	Survey Direction Upstream
Pre-Cleaning Jetting	Weather Damp	Surface Grass	US MH Depth 4	DS MH Depth 6	Flow Direction N
Media No. 07	Surveyed Length 360.4	Total Length 360	Surveyor MICHAEL FABIAN	Certificate No. U-1109-9734	Truck No. 235

Comments

Ftg.	Code	Description	Position	Cont.	Comment
0.0	AMH	Access Point - Manhole			MH 766-037
0.0	MWL	Water Level			
169.5	DAE	Deposits Attached: Encrustation	2 to 5		
211.8	IS	Infiltration - Stain	2 to 6		
214.5	DAE	Deposits Attached: Encrustation	4 to 5		
253.1	DAE	Deposits Attached: Encrustation	7 to 9		
274.7	CL	Crack Longitudinal	12		
278.3	FM	Fracture Multiple	11 to 4		
280.3	FM	Fracture Multiple	10 to 5		
283.3	FM	Fracture Multiple	11 to 4		
289.1	FM	Fracture Multiple	12 to 5		
292.2	D	Pipe Deformed			
292.2	FM	Fracture Multiple	11 to 5		
304.1	FM	Fracture Multiple	12 to 12		
360.4	AMH	Access Point - Manhole			

ENDING IN MANHOLE :766-036

Upstream MH

620-026

Downstream MH

620-027

Date 03/25/2013	Time 4:38 PM	Location (Street) JACKSON PARK		Job Number 12364W-01	
Use of Sewer Sanitary	Pipe Size 21	Material Reinforced Concrete Pipe	Jt. Spacing 4	Shape Circular	Survey Direction Downstream
Pre-Cleaning Heavy Cleaning	Weather Dry	Surface Asphalt	US MH Depth 18.5	DS MH Depth 19	Flow Direction E
Media No. 05	Surveyed Length 365.7	Total Length 365.7	Surveyor RG	Certificate No. U-1202-438	Truck No. 221

Comments

Ftg.	Code	Description	Position	Cont.	Comment
0.0	AMH	Access Point - Manhole			MH 620-026
0.0	MWL	Water Level			
10.8	DAE	Deposits Attached: Encrustation	7 to 5	S01	
19.6	ID	Infiltration - Dripper	12		
55.2	IR	Infiltration - Runner	7		
79.2	ID	Infiltration - Dripper	11		
97.9	ID	Infiltration - Dripper	10 to 2	S02	
115.8	MWLS	Water Level: Sag			SAG DEWATERED BY JET
173.9	IR	Infiltration - Runner	11		
287.5	ID	Infiltration - Dripper	10 to 2	F02	
293.0	IR	Infiltration - Runner	5		
312.7	ID	Infiltration - Dripper	2		
323.7	MWLS	Water Level: Sag			SAG DEWATERED BY JET
365.7	DAE	Deposits Attached: Encrustation	7 to 5	F01	
365.7	AMH	Access Point - Manhole			MH 620-027

SHERIDAN
Upstream MH

638-003

Downstream MH

638-011

Date	Time	Location (Street)			Job Number
05/10/2013	11:58 AM	LAYTON AVE			12364
Use of Sewer	Pipe Size	Material	Jt. Spacing	Shape	Survey Direction
Sanitary	12	Vitrified Clay Pipe	2.5	Circular	Downstream
Pre-Cleaning	Weather	Surface	US MH Depth	DS MH Depth	Flow Direction
Heavy Cleaning	Damp	Asphalt	6.7	7	W
Media No.	Surveyed Length	Total Length	Surveyor	Certificate No.	Truck No.
05	341.9	341.9	RG	U-1202-438	221

Comments

SHERIDAN PARK

Ftg.	Code	Description	Position	Cont.	Comment
•0.0	AMH	Access Point - Manhole			MH 638-003
•0.0	MWL	Water Level			
•34.2	JOL	Joint Offset (displaced): Large			
•34.2	MMC	Material Change			CHANGES TO PVC
•45.4	MMC	Material Change			CHANGES TO VITRIFIED CLAY
•47.4	IR	Infiltration - Runner	3		
•112.7	IR	Infiltration - Runner	1		
•112.7	IR	Infiltration - Runner	8		
•123.7	TFC	Tap, Factory Made: Capped	10		CAP IS LEAKING
•126.2	TFC	Tap, Factory Made: Capped	2		CAP IS LEAKING
•127.7	IR	Infiltration - Runner	10		
•189.1	DSC	Deposits Settled: Compacted	5 to 7	S01	
•218.7	IR	Infiltration - Runner	10 to 1		
•218.7	JOL	Joint Offset (displaced): Large			
•218.8	MMC	Material Change			CHANGES TO PVC
•224.3	MWLS	Water Level: Sag		S02	
•244.4	MMC	Material Change			CHANGES TO VITRIFIED (
•244.4	DSC	Deposits Settled: Compacted	5 to 7	F01	
•245.2	MWLS	Water Level: Sag		F02	
•247.4	CL	Crack Longitudinal	1		
•258.5	TFC	Tap, Factory Made: Capped	10		
•261.0	TFC	Tap, Factory Made: Capped	2		
•314.2	DSC	Deposits Settled: Compacted	5		
•319.8	DSC	Deposits Settled: Compacted	5		
•341.9	AMH	Access Point - Manhole			MH 638-011

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Upstream MH

638-004

Downstream MH

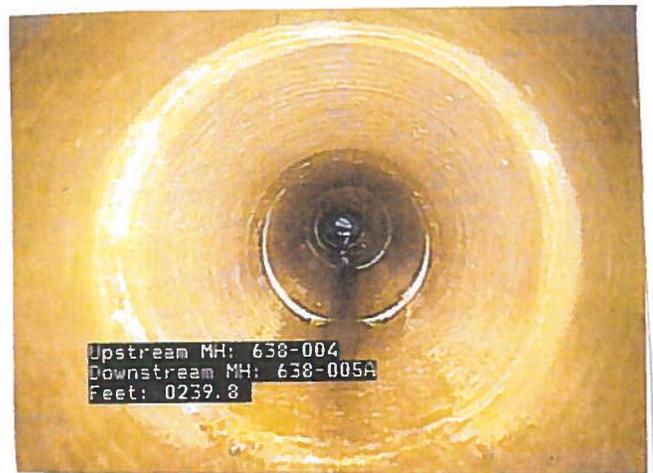
638-005A

Date	Time	Location (Street)		Job Number	
03/27/2013	12:20 PM	SHERIDAN PARK		12364W-01	
Use of Sewer	Pipe Size	Material	Jt. Spacing	Shape	Survey Direction
Sanitary	8	Concrete Pipe (non-reinforced)	3	Circular	Downstream
Pre-Cleaning	Weather	Surface	US MH Depth	DS MH Depth	Flow Direction
Jetting	Dry	Asphalt	7.2	7	N
Media No.	Surveyed Length	Total Length	Surveyor	Certificate No.	Truck No.
06	267.7	267.7	RG	U-1202-438	221

Comments

LINE HAS BEEN ROOT CUT

Ftg.	Code	Description	Position	Cont.	Comment
•0.0	AMH	Access Point - Manhole			MH 638-004
•0.0	MWL	Water Level			
•29.6	RMJ	Roots, Medium, Joint	1 to 11		
•30.0	CM	Crack Multiple	6 to 6		
•48.2	RFJ	Roots, Fine: Joint	7 to 5	S01	ROOTS AT THE JOINTS ARE REMNANT ROOT CUTTER WENT THRU
•57.4	CC	Crack Circumferential	6 to 6		
•93.6	FM	Fracture Multiple	6 to 6		
•127.5	CC	Crack Circumferential	7 to 7		
•136.4	CM	Crack Multiple	10 to 4		
•187.0	FC	Fracture Circumferential	6 to 6		
•201.7	CC	Crack Circumferential	6 to 6		
•208.8	DSC	Deposits Settled: Compacted	5 to 7		
•212.2	DSC	Deposits Settled: Compacted	5 to 7		
•215.5	FM	Fracture Multiple	7 to 5		
•224.7	RFJ	Roots, Fine: Joint	7 to 5		
•240.5	CC	Crack Circumferential	6 to 6		
•241.1	H	Hole in Pipe	7		
•248.3	RFJ	Roots, Fine: Joint	1 to 5		
•257.7	RFJ	Roots, Fine: Joint	7 to 5		
•257.8	FM	Fracture Multiple	6 to 6		
•267.7	AMH	Access Point - Manhole			MH 638-005A



F01

ROOTS AT THE HOLE

MH 638-005A

Upstream MH

638-005A

Downstream MH

638-005

Date 03/27/2013	Time 2:35 PM	Location (Street) SHERIDAN PARK		Job Number 12364W-01	
Use of Sewer Sanitary	Pipe Size 8	Material Concrete Pipe (non-reinforced)	Jt. Spacing 3	Shape Circular	Survey Direction Downstream
Pre-Cleaning Jetting	Weather Dry	Surface Grass	US MH Depth 7	DS MH Depth 7	Flow Direction E
Media No. 06	Surveyed Length 49.8	Total Length 49.8	Surveyor RG	Certificate No. U-1202-438	Truck No. 221

Comments

Ftg.	Code	Description	Position	Cont.	Comment
0.0	AMH	Access Point - Manhole			MH 638-005A
0.0	MWL	Water Level			
1.5	CC	Crack Circumferential	6 to 6		
1.5	IR	Infiltration - Runner	7 to 5		CRACK IN PIPE IS LEAKING
30.2	MMC	Material Change			CHANGES TO PVC
37.4	MMC	Material Change			CHANGES TO CONCRETE
42.7	CS	Crack Spiral	8 to 11		
47.4	MMC	Material Change			MATERIAL CHANGES TO CAST IRON
48.6	TFA	Tap, Factory Made: Active	6		OUTSIDE DROP IN THE MANHOLE
49.8	AMH	Access Point - Manhole			MH 638-005

Upstream MH

 852-00 **002**
Downstream MH

 852-00 **003**

Date 03/26/2013	Time 3:22 PM	Location (Street) PARKS MAINTENANCE			Job Number 12364W-01
Use of Sewer Sanitary	Pipe Size 8	Material Vitrified Clay Pipe	Jt. Spacing 2.5	Shape Circular	Survey Direction Downstream
Pre-Cleaning Jetting	Weather Dry	Surface Asphalt	US MH Depth 15.2	DS MH Depth 15.5	Flow Direction E
Media No. 06	Surveyed Length 135.5	Total Length 135.5	Surveyor RG	Certificate No. U-1202-438	Truck No. 221

Comments

Ftg.	Code	Description	Position	Cont.	Comment
0.0	AMH	Access Point - Manhole			MH 852- 002
0.0	MWL	Water Level			
3.0	DAE	Deposits Attached: Encrustation	7 to 5		
11.7	IR	Infiltration - Runner	12		
11.7	DAE	Deposits Attached: Encrustation	7 to 5		
15.3	DAE	Deposits Attached: Encrustation	7 to 5	S01	
19.3	CL	Crack Longitudinal	11		
24.3	CL	Crack Longitudinal	12		
44.5	MWLS	Water Level: Sag			
47.6	JOL	Joint Offset (displaced): Large			
49.5	JAL	Joint Angular: Large			
54.2	IR	Infiltration - Runner	10		
56.4	IR	Infiltration - Runner	4		
81.9	MWLS	Water Level: Sag		S02	
96.7	MWLS	Water Level: Sag		F02	
97.7	DAE	Deposits Attached: Encrustation	7 to 5	F01	
108.9	FS	Fracture Spiral	2 to 5		
110.0	MWLS	Water Level: Sag			SAG DEWATERED BY JET
135.5	AMH	Access Point - Manhole			MH 852- 003

Upstream MH

295-001

Downstream MH

295-003

Date 01/17/2013	Time 10:29 AM	Location (Street) ESMNT W OF 68TH ST		Job Number 12364W-01	
Use of Sewer Sanitary	Pipe Size 6	Material Vitrified Clay Pipe	Jt. Spacing 4	Shape Circular	Survey Direction Downstream
Pre-Cleaning Jetting	Weather Dry	Surface Concrete	US MH Depth 7.8	DS MH Depth 10	Flow Direction N
Media No. 02	Surveyed Length 80	Total Length 80	Surveyor MS	Certificate No. U-111-11870	Truck No. 205I

Comments

LINE IS FOUND WITHIN HOUSE OF CORRECTIONS

Ftg.	Code	Description	Position	Cont.	Comment
0.0	AMH	Access Point - Manhole			MH 295-001
0.0	MWL	Water Level			
4.0	VC	Vermin - Cockroach			
8.9	CM	Crack Multiple	1 to 5		
27.6	FM	Fracture Multiple	2 to 11		
30.4	OBJ	Obstacle - Object Wedged in Joint	3 to 5		PLASTIC KNIFE
39.8	CM	Crack Multiple	3 to 12		
67.2	CL	Crack Longitudinal	11		
75.6	HVV	Hole in Pipe: Void Visible	8 to 9		
80.0	AMH	Access Point - Manhole			

Hole at Joint


 UPSTREAM MH: 295-001
 DOWNSTREAM MH: 295-003
 FEET: 0075.6

MH 295-003

Upstream MH

295-011

Downstream MH

295-014

Date 03/28/2013	Time 11:43 AM	Location (Street) 68TH ST-HOUSE OF CORRECTION GROUNDS			Job Number 12364W-01
Use of Sewer Sanitary	Pipe Size 8	Material Vitrified Clay Pipe	Jt. Spacing 3	Shape Circular	Survey Direction Downstream
Pre-Cleaning Jetting	Weather Dry	Surface Grass	US MH Depth 16.2	DS MH Depth 6	Flow Direction E
Media No. 03	Surveyed Length 144.4	Total Length 144.4	Surveyor RG	Certificate No. U-1202-438	Truck No. 221

Comments

