

Milwaukee County 2015 Sanitary Sewer
Rehabilitation

V009-15804

Contract 2

PAST CCTV TELEVISIONING REPORTS FOR
REFERENCE FOR PIPE REHABILITATION
WORK SCHEDULE ON **SHEET C-03**

Upstream MH

766-008

Downstream MH

766-021

Date 02/27/2015	Time 2:13 PM	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 6	DS MH Depth 6	Flow Direction E
Media No. 05	Surveyed Length 233	Total Length 233	Surveyor MICHAEL FABIAN	Certificate No. U-1109-9734	Truck No. 235

Comments



Upstream MH

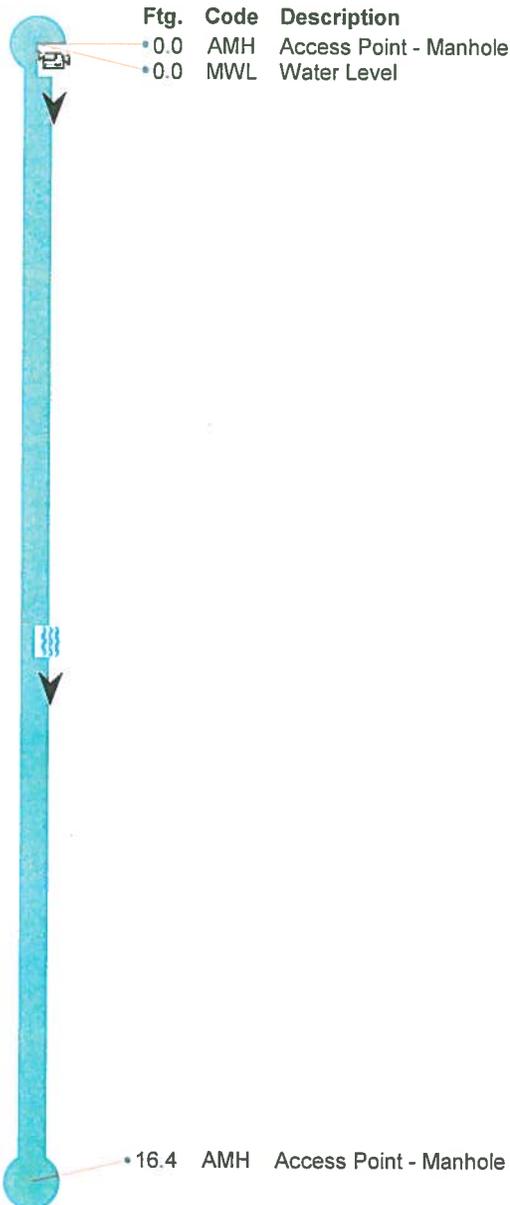
766-009

Downstream MH

766-008

Date 02/27/2015	Time 11:58 AM	Location (Street) GREENFIELD PARK			Job Number 13007W-11
Use of Sewer Sanitary	Pipe Size 8	Material Cast Iron	Jt. Spacing 4	Shape Circular	Survey Direction Downstream
Pre-Cleaning Jetting	Weather Damp	Surface Grass	US MH Depth 8	DS MH Depth 8	Flow Direction E
Media No. 05	Surveyed Length 16.4	Total Length 16	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 766-009
0.0	MWL	Water Level			

ENDING IN MANHOLE :766-008

Upstream MH

766-010

Downstream MH

766-009

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

766-011

Downstream MH

766-010

Date 03/3/2015	Time 2:20 PM	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 Downstream
Pre-Cleaning Jetting	Weather Dry	Surface Asphalt	US MH Depth 9.5	DS MH Depth 8.4	Flow Direction E
Media No. 05	Surveyed Length 207.7	Total Length 207.7	Surveyor MIKE BRIGHT	Certificate No. U-1014-06022507	Truck No. 205-I

Comments

Ftg.	Code	Description	Position	Cont.	Comment
0.0	AMH	Access Point - Manhole			MH 766-011
0.0	MWL	Water Level			
4.4	RTJ	Roots, Tap: Joint	11 to 2	S01	
30.2	RTJ	Roots, Tap: Joint	10 to 3	F01	
42.6	RTJ	Roots, Tap: Joint	8 to 10		
131.0	DAE	Deposits Attached: Encrustation	7 to 5	S02	
190.6	MWL	Water Level			
207.2	DAE	Deposits Attached: Encrustation	8 to 4	F02	
207.7	AMH	Access Point - Manhole			MH 766-010

Upstream MH

766-012

Downstream MH

766-011

Date 03/3/2015	Time 1:11 PM	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 Downstream
Pre-Cleaning Jetting	Weather Dry	Surface Asphalt	US MH Depth 9	DS MH Depth 9.5	Flow Direction E
Media No. 05	Surveyed Length 320.7	Total Length 320.7	Surveyor MIKE BRIGHT	Certificate No. U-1014-06022507	Truck No. 205-I

Comments

Ftg.	Code	Description	Position	Cont.	Comment
0.0	AMH	Access Point - Manhole			MH 766-012
0.0	MWL	Water Level			
11.0	DAE	Deposits Attached: Encrustation	11 to 4		
23.2	DAE	Deposits Attached: Encrustation	8 to 5	S01	
160.8	DAE	Deposits Attached: Encrustation	6 to 6	S02	h2S BUILD UP
207.1	DAE	Deposits Attached: Encrustation	8 to 4	F02	
207.1	DAE	Deposits Attached: Encrustation	8 to 4	F01	
207.1	DAE	Deposits Attached: Encrustation	7 to 5	S03	
264.2	DAE	Deposits Attached: Encrustation	7 to 5	F03	
264.3	DAE	Deposits Attached: Encrustation	7 to 5	S04	
319.6	DAE	Deposits Attached: Encrustation	7 to 4	F04	
320.7	AMH	Access Point - Manhole			MH 766-011

Upstream MH

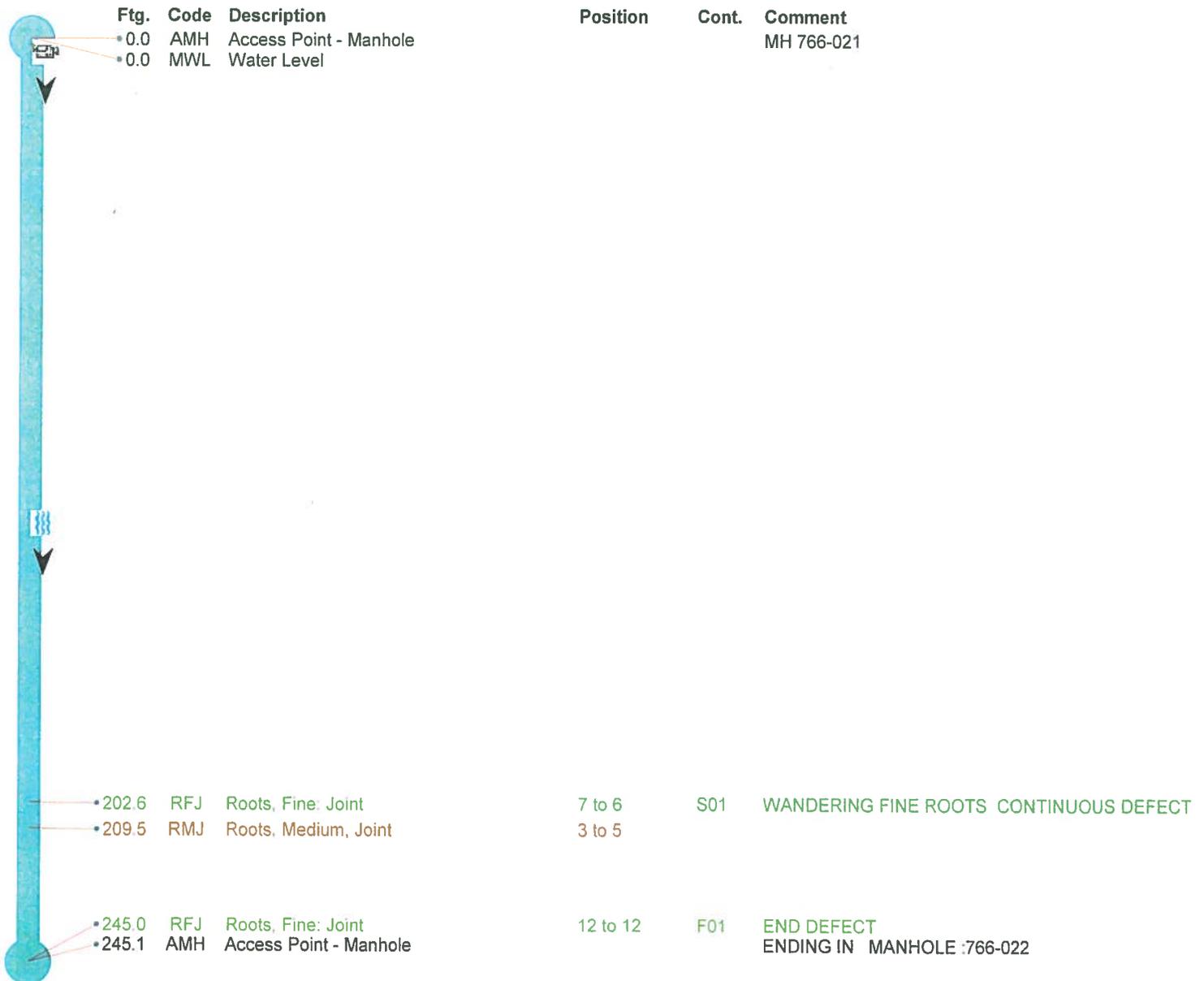
766-021

Downstream MH

766-022

Date 02/27/2015	Time 1:54 PM	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 6	DS MH Depth 14.5	Flow Direction E
Media No. 06	Surveyed Length 245.1	Total Length 245	Surveyor MICHAEL FABIAN	Certificate No. U-1109-9734	Truck No. 235

Comments



Upstream MH

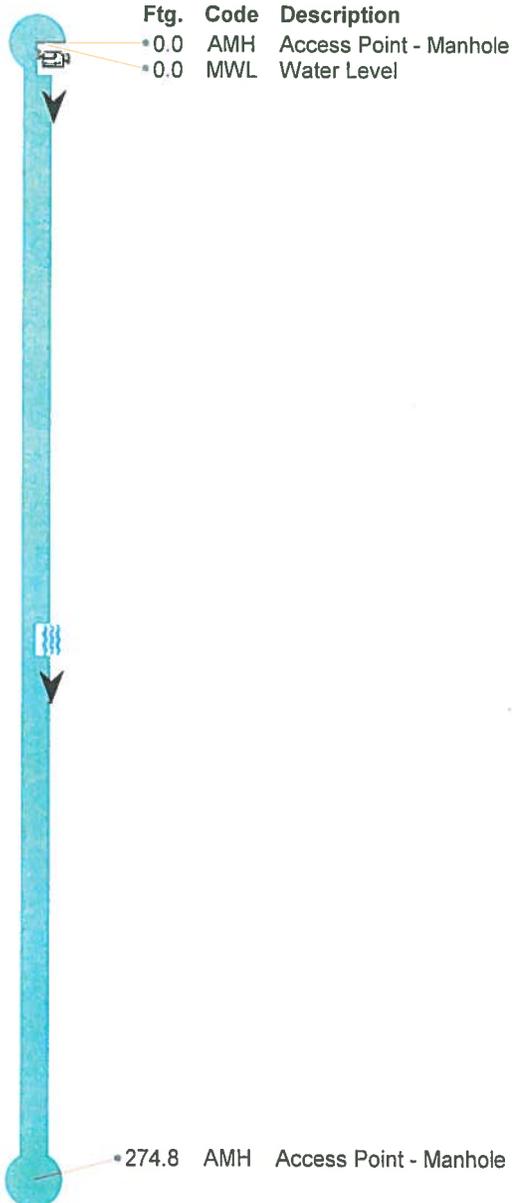
766-022

Downstream MH

766-024

Date 02/26/2015	Time 2:21 PM	Location (Street) GREENFIELD PARK			Job Number 13007W-11
Use of Sewer Sanitary	Pipe Size 10	Material Other	Jt. Spacing 4	Shape Circular	Survey Direction Downstream
Pre-Cleaning Jetting	Weather Damp	Surface Grass	US MH Depth 14.5	DS MH Depth 15	Flow Direction N
Media No. 06	Surveyed Length 274.8	Total Length 275	Surveyor MICHAEL FABIAN	Certificate No. U-1109-9734	Truck No. 235

Comments



Position	Cont.	Comment
		MH 766-022

ENDING IN MANHOLE :766-024

Upstream MH

766-024

Downstream MH

766-025

Date 02/26/2015	Time 3:42 PM	Location (Street) GREENFIELD PARK			Job Number 13007W-11
Use of Sewer Sanitary	Pipe Size 8	Material Other	Jt. Spacing 4	Shape Circular	Survey Direction Downstream
Pre-Cleaning Jetting	Weather Damp	Surface Grass	US MH Depth 15	DS MH Depth 11	Flow Direction N
Media No. 06	Surveyed Length 163.9	Total Length 164	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 766-024
0.0	MWL	Water Level			
7.1	MMC	Material Change			VCP
7.1	FM	Fracture Multiple	8 to 3		
12.9	FM	Fracture Multiple	8 to 4		
18.7	FM	Fracture Multiple	12 to 12		
22.1	FC	Fracture Circumferential	12 to 12		
22.1	RFJ	Roots, Fine: Joint	7 to 6	S01	WANDERING FINE ROOTS CONTINUOUS DEFECT
163.0	RFJ	Roots, Fine: Joint	12 to 12	F01	END ROOT DEFECT
163.9	AMH	Access Point - Manhole			ENDING IN MANHOLE :766-025

Upstream MH

766-025

Downstream MH

766-026

Date 02/25/2015	Time 2:55 PM	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 Upstream
Pre-Cleaning Jetting	Weather Damp	Surface Grass	US MH Depth 9	DS MH Depth 9	Flow Direction N
Media No. 06	Surveyed Length 311.3	Total Length 309	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 766-026
•0.0	MWL	Water Level			
•27.1	RFJ	Roots, Fine: Joint	11		
•32.9	RFJ	Roots, Fine: Joint	7 to 6	S01	WANDERING FINE ROOTS CONTINUOUS DEFECT
•304.0	CM	Crack Multiple	1 to 7		
•307.0	RFJ	Roots, Fine: Joint	12 to 12	F01	
•308.7	AMH	Access Point - Manhole			ENDING IN MANHOLE :766-025

Upstream MH

766-026

Downstream MH

766-027

Date 02/25/2015	Time 2:08 PM	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 Upstream
Pre-Cleaning Jetting	Weather Damp	Surface Grass	US MH Depth 9	DS MH Depth 9	Flow Direction N
Media No. 06	Surveyed Length 310.2	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			
26.5	DAE	Deposits Attached: Encrustation	8 to 10		
46.4	DAE	Deposits Attached: Encrustation	10 to 1		
72.3	DAE	Deposits Attached: Encrustation	8 to 4		
213.7	CL	Crack Longitudinal	2		
230.4	DAE	Deposits Attached: Encrustation	8 to 4		
310.2	AMH	Access Point - Manhole			

ENDING IN MANHOLE :766-026

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

766-028

Downstream MH

766-034

Date 02/25/2015	Time 3:22 PM	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 4	DS MH Depth 6.5	Flow Direction N
Media No. 06	Surveyed Length 266.7	Total Length 267	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 766-028
•0.0	MWL	Water Level			
•55.8	DAE	Deposits Attached: Encrustation	3 to 5		
•79.5	DAE	Deposits Attached: Encrustation	10 to 3		
•82.0	DAE	Deposits Attached: Encrustation	12 to 5		
•102.5	DAE	Deposits Attached: Encrustation	7 to 3		
•115.4	IS	Infiltration - Stain	7 to 10		
•135.5	DAE	Deposits Attached: Encrustation	1 to 5		
•135.5	DAE	Deposits Attached: Encrustation	6 to 9		
•165.0	DAE	Deposits Attached: Encrustation	3 to 5		
•200.9	RFJ	Roots, Fine: Joint	8 to 9		
•212.2	DAE	Deposits Attached: Encrustation	7 to 5		
•215.2	DAE	Deposits Attached: Encrustation	3 to 5		
•235.9	DAE	Deposits Attached: Encrustation	6 to 9		
•250.7	DAE	Deposits Attached: Encrustation	7 to 4		
•252.3	MWLS	Water Level: Sag		S01	START OF SAG
•260.1	DAE	Deposits Attached: Encrustation	7 to 5		
•264.6	MWLS	Water Level: Sag		F01	END SAG
•266.7	AMH	Access Point - Manhole			ENDING IN MH 766-034

Upstream MH

638-001
REVERSE

Downstream MH

638-003

Date 03/27/2013	Time 10:24 AM	Location (Street) SHERIDAN PARK		Job Number 12364W-01	
Use of Sewer Sanitary	Pipe Size 10	Material Vitrified Clay Pipe	Jt. Spacing 2.5	Shape Circular	Survey Direction Upstream
Pre-Cleaning Jetting	Weather Dry	Surface Grass	US MH Depth 5.9	DS MH Depth 6.5	Flow Direction W
Media No. 05	Surveyed Length 135.7	Total Length 245	Surveyor RG	Certificate No. U-1202-438	Truck No. 221

Comments

Ftg.	Code	Description	Position	Cont.	Comment
135.7	MSA	Survey Abandoned			
135.7	RBC	Roots, Ball, Connection	9 to 11		
135.7	TBI	Tap, Break-in / Hammer: Intruding	10		CAMERA CANNOT PASS INTRUDING TAP
71.6	TFC	Tap, Factory Made: Capped	2		
11.3	MGO	General Observation			
0.0	CH2	Crack Longitudinal Hinge, 2	9		
0.0	MWL	Water Level			
0.0	AMH	Access Point - Manhole			

LINE HAS BEEN ROOT CUT TO INTRUDING TAP

WATER HELD BACK BY SETTLED DEPOSITS AT
INVERT OF MH 638-003
MH 638-003