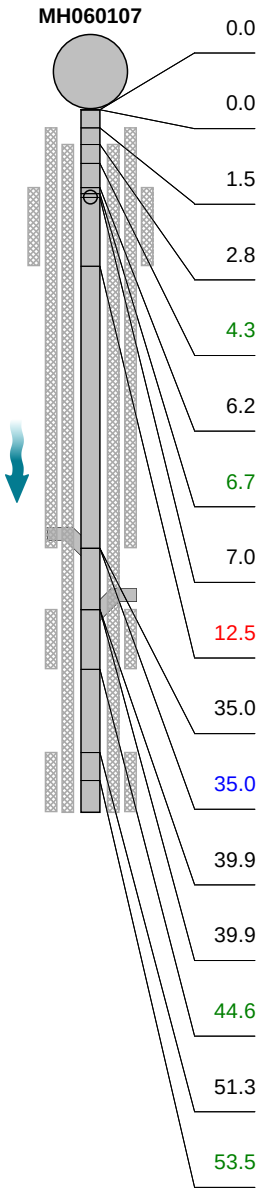
Absolute Pipe
PO Box 943, Newton, IA
Tel. 515-966-5887
steven@absolutepipe.com

Inspection report

Date:	Work Order:	Weather:	Surveyed By:	Certificate Number:	Pipe Segment Ref.:
5/10/2022		**Dry**	**Steven Bucklin**	**U-0819-70306510**	**MH060097-MH060107**
Year laid:	Pre-cleaning: **No Pre-Cleaning**	Direction: **Downstream**	Pipe Joint Length:	Total Length:	Length Surveyed:

City:	**City of Superior**	Drainage Area:		Upstream MH:	**MH060107**
Street:	**BILLINGS**	Media Label:	**1111**	Up Rim to Invert:	**0.0**
Location Code:	**Yard**	Flow Control:	**Not Controlled**	Downstream MH:	**MH060097**
Location Details:		Sheet Number:	**19**	Down Rim to Invert:	**0.0**
Pipe shape:	**Circular**	Sewer Use:	**Combined Pipe**	Total gallons used:	**0.0**
Pipe size:	**21**	Sewer Category:	**SEC**	Joints passed:	**0**
Pipe material:	**Vitrified Clay Pipe**	Purpose:	**Routine Assessment**	Joints failed:	**0**
Lining Method:	**None**	Owner:	**City of Superior**		
Additional Info:					



1:603	Distance		Code	Observation	Counter	Photo	Grade
	0.0		AMH	Manhole / MH060107	00:00:01	MH060097-MH060107_1c78d55	
	0.0		MWL	Water Level, 5% of the vertical dimension	00:01:47	MH060097-MH060107_dc2803a	
	1.5	S01	MWLS	Miscellaneous Water Level, Sag, 5% of the vertical dimension, Start	00:02:12	MH060097-MH060107_adbdf07	
	2.8	S02	DSF	Deposits Settled Fine, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Start	00:02:35	MH060097-MH060107_b49811	
	4.3		OBN	Obstruction Construction Debris, 10% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch	00:03:05	MH060097-MH060107_ac6df68	M2
	6.2	S03	B	Broken from 6 o'clock to 3 o'clock, within 8 inch, Start	00:04:48	MH060097-MH060107_235c57d	
	6.7		OBN	Obstruction Construction Debris, 5% of cross sectional area from 5 o'clock to 6 o'clock, within 8 inch	00:06:35	MH060097-MH060107_3c75b92	M2
	7.0		TFD	Tap Factory Made Defective at 12 o'clock, dia/height: 6inch, within 8 inch / CAPPED. TAP BROKEN	00:07:22	MH060097-MH060107_a913d7	M3
	12.5	F03	B	Broken from 6 o'clock to 3 o'clock, within 8 inch, Finish	00:08:35	MH060097-MH060107_71aa74c	S4
	35.0		TF	Tap Factory Made at 1 o'clock, dia/height: 6inch, within 8 inch / SERVICE ANGLED INTO THE TAP.	00:10:54	MH060097-MH060107_4f5c696	
	35.0	F01	MWLS	Miscellaneous Water Level, Sag, 5% of the vertical dimension, Finish	00:11:08		S2
	39.9		TFD	Tap Factory Made Defective at 11 o'clock, dia/height: 6inch, within 8 inch / TAP BROKEN. SERVICE ANGLED AND OFFSET. SOIL VISIBLE.	00:11:42	MH060097-MH060107_c487574	M3
	39.9	S04	OBN	Obstruction Construction Debris, 10% of cross sectional area from 5 o'clock to 7 o'clock, Start, within 8 inch / PIECES OF PIPE. ROCKS. CONCRETE.	00:12:14	MH060097-MH060107_23f39ec	
	44.6	F04	OBN	Obstruction Construction Debris, 10% of cross sectional area from 5 o'clock to 7 o'clock, Finish, within 8 inch / PIECES OF PIPE. ROCKS. CONCRETE.	00:13:25	MH060097-MH060107_c9803c7	M2
	51.3	S05	MWLS	Miscellaneous Water Level, Sag, 5% of the vertical dimension, Start	00:14:08	MH060097-MH060107_49345e	
	53.5		RFJ	Roots Fine Joint at 2 o'clock, within 8 inch	00:14:28	MH060097-MH060107_b6014b	M1

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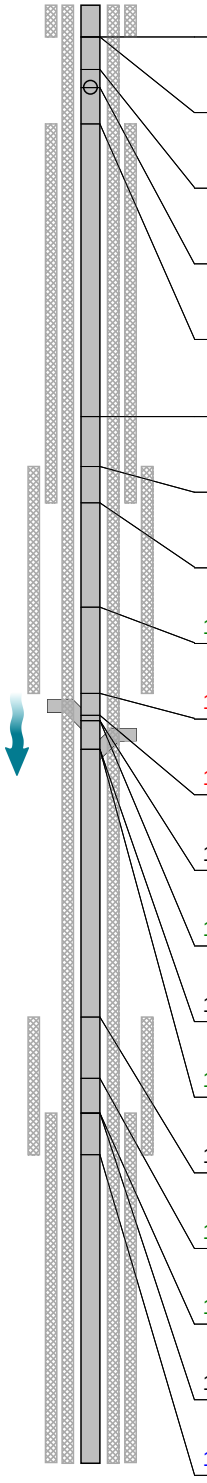
Year laid:	Pre-cleaning: **No Pre-Cleaning**	Direction: **Downstream**	Pipe Joint Length:	Total Length:	Length Surveyed:



1:603	Distance		Code	Observation	Counter	Photo	Grade
	58.6	F05	MWLS	Miscellaneous Water Level, Sag, 5% of the vertical dimension, Finish	00:15:18	MH060097-MH060107_b15e12	S2
	58.6		RFJ	Roots Fine Joint at 8 o'clock, within 8 inch	00:15:37	MH060097-MH060107_6e4f653	M1
	61.2		RFJ	Roots Fine Joint from 7 o'clock to 5 o'clock, within 8 inch	00:16:45	MH060097-MH060107_fd7f8c9	M1
	62.6		TFC	Tap Factory Made Capped at 12 o'clock, dia/height: 6inch, within 8 inch	00:17:20	MH060097-MH060107_337d14	
	65.5	S06	MWLS	Miscellaneous Water Level, Sag, 5% of the vertical dimension, Start	00:17:56	MH060097-MH060107_de7761f	
	88.9		SZ	Surface Other at 2 o'clock, within 8 inch / A PIECE CHIPPED AWAY FROM THE JOINT.	00:19:55	MH060097-MH060107_c0128df	
	92.9	S07	SSS	Surface Damage Spalling from 9 o'clock to 3 o'clock, within 8 inch, Start	00:20:43	MH060097-MH060107_f73a295	
	95.8	F06	MWLS	Miscellaneous Water Level, Sag, 5% of the vertical dimension, Finish	00:21:26	MH060097-MH060107_22a4bc6	S2
	104.1		OBZ	Obstruction Other, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch / UNKNOWN DEBRIS UNDER THE TP AND RAGS	00:22:20	MH060097-MH060107_5d735a	M2
	111.0	F07	SSS	Surface Damage Spalling from 9 o'clock to 3 o'clock, within 8 inch, Finish	00:23:33	MH060097-MH060107_26d427	S2
	112.7		HSV	Hole Soil Visible from 12 o'clock to 1 o'clock, within 8 inch	00:24:16	MH060097-MH060107_3019c5b	S5
	113.1		TFD	Tap Factory Made Defective at 1 o'clock, dia/height: 6inch, within 8 inch / SOIL VISIBLE AROUND THE SERVICE. CONSTANTLY RUNNING WATER.	00:24:40	MH060097-MH060107_e843a4	M3
	113.1		IDC	Infiltration Dripper Connection at 1 o'clock, within 8 inch	00:24:52	MH060097-MH060107_2ec91a8	M3
	115.4		TFC	Tap Factory Made Capped at 11 o'clock, dia/height: 6inch, within 8 inch	00:25:34	MH060097-MH060107_e5fbcd9	
	115.4		OBN	Obstruction Construction Debris, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch	00:25:59	MH060097-MH060107_0e0e54	M2
	136.7	S08	MWLS	Miscellaneous Water Level, Sag, 10% of the vertical dimension, Start	00:27:53	MH060097-MH060107_b0354d	
	141.6		RFJ	Roots Fine Joint from 1 o'clock to 2 o'clock, within 8 inch	00:29:02	MH060097-MH060107_5705d8	M1
	144.4		RFJ	Roots Fine Joint from 12 o'clock to 1 o'clock, within 8 inch	00:29:39	MH060097-MH060107_b0928d	M1
	144.4	S09	FM	Fracture Multiple from 12 o'clock to 12 o'clock, within 8 inch, Start	00:30:04	MH060097-MH060107_b160f49	
	147.7	F08	MWLS	Miscellaneous Water Level, Sag, 10% of the vertical dimension, Finish	00:30:33	MH060097-MH060107_2e62ef8	S2

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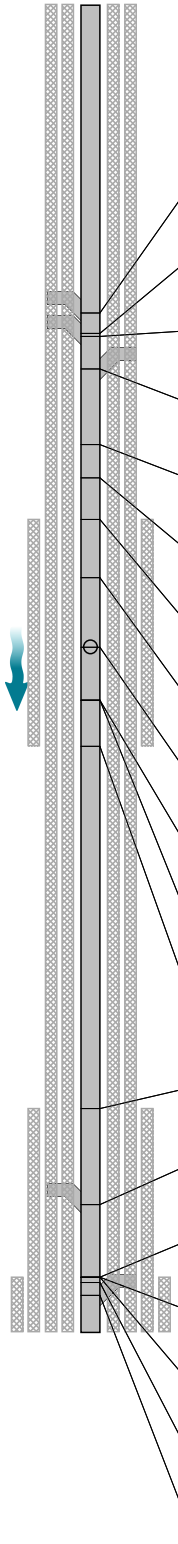

1:603 Distance		Code	Observation	Counter	Photo	Grade
196.9		TFC	Tap Factory Made Capped at 1 o'clock, dia/height: 6inch, within 8 inch	00:35:09	MH060097-MH060107_ad20cd3	
198.5		B	Broken from 1 o'clock to 2 o'clock, within 8 inch	00:36:04	MH060097-MH060107_c8c54c0	S4
198.8		TBI	Tap Break-In Intruding at 1 o'clock, dia/height: 4inch, intruding: 1inch, within 8 inch / CONSTANTLY RUNNING WATER.	00:36:19	MH060097-MH060107_617d17	M2
201.4		TFC	Tap Factory Made Capped at 11 o'clock, dia/height: 6inch, within 8 inch	00:36:47	MH060097-MH060107_d9af168	
207.4		RFJ	Roots Fine Joint at 11 o'clock, within 8 inch	00:37:38	MH060097-MH060107_85805e	M1
210.0		RFJ	Roots Fine Joint from 7 o'clock to 5 o'clock, within 8 inch	00:38:36	MH060097-MH060107_d7db81	M1
213.3	S10	MWLS	Miscellaneous Water Level, Sag, 5% of the vertical dimension, Start	00:39:05	MH060097-MH060107_acfbf49	
218.0		JAM	Joint Angular Medium	00:39:57	MH060097-MH060107_74d8bb	S3
223.5		TFC	Tap Factory Made Capped at 12 o'clock, dia/height: 6inch, within 8 inch	00:40:44	MH060097-MH060107_9a511e	
227.8		JAM	Joint Angular Medium	00:41:46	MH060097-MH060107_6485c3c	S3
227.8		RFJ	Roots Fine Joint from 4 o'clock to 8 o'clock, within 8 inch	00:41:57	MH060097-MH060107_f3ab3e9	M1
231.4	F10	MWLS	Miscellaneous Water Level, Sag, 5% of the vertical dimension, Finish	00:42:38	MH060097-MH060107_7f8ddb1	S2
260.3	S11	MWLS	Miscellaneous Water Level, Sag, 10% of the vertical dimension, Start	00:44:56	MH060097-MH060107_6dacf15	
268.0		TFC	Tap Factory Made Capped at 1 o'clock, dia/height: 6inch, within 8 inch	00:45:39	MH060097-MH060107_5ae59fd	
273.7		IRJ	Infiltration Runner Joint at 9 o'clock, within 8 inch	00:47:56	MH060097-MH060107_a85c505	M4
273.7	S12	B	Broken from 8 o'clock to 4 o'clock, within 8 inch, Start	00:48:19	MH060097-MH060107_05d958	
273.7		ISB	Infiltration Stain Barrel from 8 o'clock to 4 o'clock, within 8 inch	00:48:45	MH060097-MH060107_ac32646	M1
274.2		IWB	Infiltration Weeper Barrel at 12 o'clock	00:49:08	MH060097-MH060107_2894ce5	M2
275.2		TFD	Tap Factory Made Defective at 11 o'clock, dia/height: 6inch, within 8 inch / TAP BROKEN. SERVICE OFFSET. SOIL COMING IN THE BROKEN TAP.	00:49:52	MH060097-MH060107_611cc95	M3

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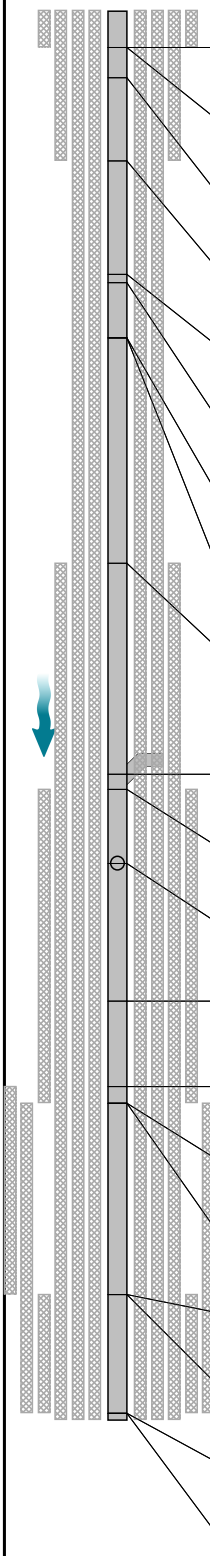

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281.1		JAM	Joint Angular Medium	00:52:58	MH060097-MH060107_dbcc608	S3
281.1	F12	B	Broken from 8 o'clock to 4 o'clock, within 8 inch, Finish	00:53:11	MH060097-MH060107_6ed37b	S4
283.4		SZ	Surface Other at 3 o'clock, within 8 inch / A PIECE CHIPPED AWAY FROM THE JOINT.	00:54:03	MH060097-MH060107_3d8922	
290.1	F11	MWLS	Miscellaneous Water Level, Sag, 10% of the vertical dimension, Finish	00:55:37	MH060097-MH060107_ef3867f	S2
299.2		RFJ	Roots Fine Joint from 8 o'clock to 4 o'clock, within 8 inch	00:57:29	MH060097-MH060107_70a9de	M1
299.8		MWLS	Miscellaneous Water Level, Sag, 5% of the vertical dimension	00:58:03	MH060097-MH060107_0c086d2	S2
304.2		JAM	Joint Angular Medium	00:59:05	MH060097-MH060107_4a5762	S3
304.2		RFJ	Roots Fine Joint at 4 o'clock, within 8 inch	00:59:20	MH060097-MH060107_28dabb	M1
322.2	S13	RFJ	Roots Fine Joint from 7 o'clock to 5 o'clock, Start, within 8 inch	01:02:15	MH060097-MH060107_b950e3	
339.0		TFD	Tap Factory Made Defective at 11 o'clock, dia/height: 6inch, within 8 inch / CAPPED. CAP BROKEN. ROOTS GROWING AROUND THE CAP.	01:03:54	MH060097-MH060107_751809	M3
340.2	S14	RFB	Roots Fine Barrell from 11 o'clock to 1 o'clock, Start	01:04:31	MH060097-MH060107_1e6b3c1	
346.1		TFD	Tap Factory Made Defective at 12 o'clock, dia/height: 6inch, within 8 inch / CAPPED. CAP BROKEN, TAP BROKEN.	01:05:12	MH060097-MH060107_830377	M3
357.1		DSGV	Deposits Settled Gravel, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch	01:06:57	MH060097-MH060107_620678c	M2
363.9	S15	LR	Line Right, change to: 5%, Start	01:08:29	MH060097-MH060107_af64e3f	
365.2	S16	JAM	Joint Angular Medium, Start	01:09:20	MH060097-MH060107_e654fc9	
365.2	F14	RFB	Roots Fine Barrell from 11 o'clock to 1 o'clock, Finish	01:09:36	MH060097-MH060107_803991	M2
380.5	S17	MWLS	Miscellaneous Water Level, Sag, 5% of the vertical dimension, Start	01:11:49	MH060097-MH060107_c0f6888	
380.5	F15	LR	Line Right, change to: 5%, Finish	01:11:56	MH060097-MH060107_7c778db	M1
389.9	F17	MWLS	Miscellaneous Water Level, Sag, 5% of the vertical dimension, Finish	01:12:40	MH060097-MH060107_33092af	S2
389.9	F16	JAM	Joint Angular Medium, Finish	01:12:48	MH060097-MH060107_2d3199c	S3

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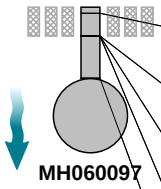

Distance		Code	Observation	Counter	Photo	Grade
391.0		SMW	Surface Damage Missing Wall from 9 o'clock to 10 o'clock, within 8 inch / THE INSIDE OF THE JOINT.	01:13:40	MH060097-MH060107_f270853	S5
392.8	F02	DSF	Deposits Settled Fine, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Finish	01:14:12	MH060097-MH060107_1504d8	M2
392.8	F09	FM	Fracture Multiple from 12 o'clock to 12 o'clock, within 8 inch, Finish	01:14:20	MH060097-MH060107_5faf5eef	S4
392.8	F13	RFJ	Roots Fine Joint from 7 o'clock to 5 o'clock, Finish, within 8 inch	01:14:28	MH060097-MH060107_a6576a	M1
396.2		AMH	Manhole / MH060097	01:16:48	MH060097-MH060107_6111c52	

QSR	QMR	QOR	SPR	MPR	OPR	SPRI	MPRI	OPRI
524I	4137	524I	315.0	235.0	550.0	3.2	1.9	2.5