

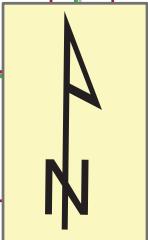
MH 5848-027  
Approx depth = 11.2 ft

MH 5848-026  
Approx depth = 12.6 ft

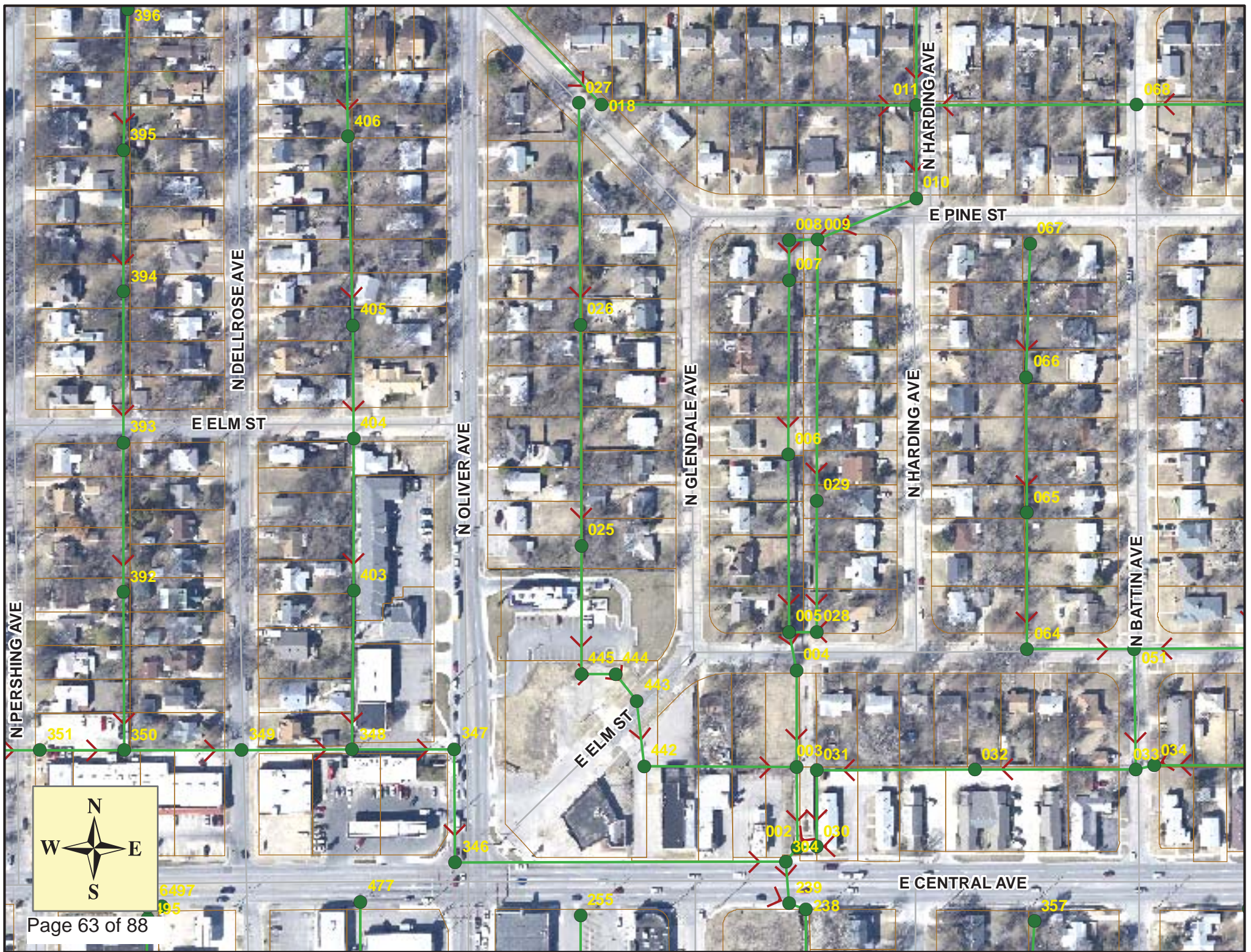
MH 5848-025  
Approx depth = 11.3 ft

MH 5848-445  
Approx depth = 11.3 ft  
(precast manhole)

Install 854 lf of 8" Cured-in-Place Liner  
from MH 5848-027 to MH 5848-445



**SITE 10**



## Video Inspection Master Report

2/19/2013

8:58 AM

US Structure: 5848-027                      644 N OLIVER ST                      Date Insp: 2/6/2013                      Basin: E04E  
 DS Structure: 5848-026                      647 N GLENDALE ST                      Dir Televised: Upstream To Downstream

### Pipe Information

Project No. : E-042                      Dia: 8                      Material: VCP                      Length: 328.0                      Slope: 0.101

Obs. #	VTR Counter	Distance	Location	Description	Rating	Ratings			Remain (gpm)
						Obsrvd (gpm)	Est. (gpm)	Struct Clean	
1		0.0		5848-027 US Manhole	1				
2		9.5		Sealed Off Wye / roots	3				
3		12.5		Sealed Off Wye / roots	3				
4		29.3		Grease	0				
5		36.7	644 NORTH OLIVER	Break-In Conn / roots	3				broken pipe around the tap / roots
6		39.2	DUE TO DEBRIS	Stopped Inspection	4				loose tile & silt
7		39.2		Continued Inspection					pipe cleaned and tv resumed
8		41.0		Sealed Off Wye	1				
9		45.9		Broken Pipe	3				
10		62.6		Sealed Off Wye	3				roots at broken seal
11		79.8		Broken Pipe	3				
12		90.3		Sealed Off Wye	1				
13		93.4		Sealed Off Wye	1				
14		113.5	638 NORTH OLIVER	Break-In Conn / roots	4				heavy roots inside / pipe broken around tap
15		115.5		Sealed Off Wye	3				
16		140.2	4825 NORTH GLENDALE	Break-In Conn / roots	2				cracks all around / protruding slightly
17		143.5		Sealed Off Wye	1				
18		165.1		Sealed Off Wye	3				roots at broken seal
19		167.9	632 NORTH OLIVER	Break-In Conn / roots	4				ball of roots
20		189.8		Sealed Off Wye / roots	3				roots at broken seal
21		192.9		Sealed Off Wye	1				
22		200.5		Crack-Horizontal	2				
23		214.5		Sealed Off Wye	1				
24		217.9		Sealed Off Wye	1				
25		235.9	657 NORTH GLENDALE	Break-In Conn / roots	2				PVC tap
26		238.7	626 NORTH OLIVER	Break-In Conn / roots	4				ball of roots
27		261.2		Sealed Off Wye	1				
28		264.2		Sealed Off Wye	1				
29		286.1	653 NORTH GLENDALE	Wye Service / roots	3				service full of roots
30		289.1	620 NORTH OLIVER	Wye Service / roots	4				service full of roots
31		314.2		Sealed Off Wye	1				
32		317.1		Sealed Off Wye	1				
		328.0		Offset Joint / joint holds paper					
33		331.1		5848-026 DS Manhole	1				



## Video Inspection Master Report

2/19/2013

8:58 AM

**US Structure:** 5848-026                      647 N GLENDALE ST                      **Date Insp:** 2/11/2013                      **Basin:** E04E  
**DS Structure:** 5848-025                      536 N OLIVER AVE                      **Dir Televised:** Upstream To Downstream

**Pipe Information**

<b>Shape:</b> Round	<b>Length Status:</b>	<b>Project No. :</b> E-042
<b>Dia/Ht:</b> 8	<b>Material:</b> VCP	<b>Index:</b>
<b>Length:</b> 326.8	<b>Slope:</b> 0.101	<b>Surface:</b>

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Ratings			Remain (gpm)
							Est. (gpm)	Struct	Clean	
1		0.0		5848-026 US Manhole	1					
2		5.8	647 NORTH GLENDALE	Break-In Conn	3	ROOTS				
3		6.0		Crack-Horizontal	3					
4		10.4	614 NORTH OLIVER	Wye Service	4	ROOTS				
5		31.0		Sealed Off Wye	3	ROOTS				
6		33.9		Sealed Off Wye	1					
7		55.8	643 NORTH GLENDALE	Wye Service	3	ROOTS				
8		58.5	610 NORTH OLIVER	Extended Tap	1					
9		59.9		Broken Pipe	3	shifted pipe				
10		81.0		Sealed Off Wye	2	ROOTS roots at broken seal				
11		84.0		Sealed Off Wye	4	ROOTS roots at broken seal				
12		106.0	639 NORTH GLENDALE	Wye Service	3	POSSIBLY ABANDONED / ball of roots				
13		108.5	602 NORTH OLIVER	Wye Service	4	ROOTS				
14		119.5	639 NORTH GLENDALE	Break-In Conn	1	PVC tap				
15		133.6	633 NORTH GLENDALE	Wye Service	4	POSSIBLY ABANDON / ball of roots				
16		135.8		Roots	3					
17		137.1		Sealed Off Wye	1					
18		158.4	633 NORTH GLENDALE	Wye Service	1					
19		161.6	554 NORTH OLIVER	Wye Service	4	POSSIBLY SEALED				
20		183.8		Sealed Off Wye	1	ROOTS roots at broken seal				
21		186.2	554 NORTH OLIVER	Break-In Conn	2					
22		186.8		Broken Pipe	3					
23		191.4		Crack-Horizontal	2	cracks begin and continue on				
24		197.5		Broken Pipe	2					
25		200.7		Broken Pipe	3					
26		206.8		Broken Pipe	4					
27		208.5	627 NORTH GLENDALE	Wye Service	1					
28		211.4	548 NORTH OLIVER	Wye Service	3	BROKEN PIPE around the tap				
29		213.8		Broken Pipe	3	cracked from 187' to 213'				
30		213.0	<u>TRACK SLIPPAGE</u>	<u>Stopped Inspection</u>	1	<u>SEE REVERSE SETUP</u>				



## Video Inspection Master Report

2/19/2013

8:58 AM

US Structure: 5848-026                      647 N GLENDALE ST                      Date Insp: 2/12/2013                      Basin: E04E  
 DS Structure: 5848-025                      536 N OLIVER AVE                      Dir Televised: Downstream To Upstream

**REVERSE SETUP TO COMPLETE THE LINE:**

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Ratings			Remain (gpm)	
							Est. (gpm)	Struct	Clean		
1		0.0		5848-025 DS Manhole	1						
				<u>TV AGAINST THE FLOW</u> / HAD TO REVERSE SETUP DUE TO CAMERA TRACK SLIPPING							
2		18.0	542 NORTH OLIVER	Break-In Conn	2	ROOTS					
3		21.4		Sealed Off Wye	2						
4		31.1		Broken Pipe	2						
5		38.1		Broken Pipe	3						
6		43.2		Sealed Off Wye	1						
7		46.7	623 NORTH GLENDALE	Wye Service	1						
		68.0	(televisor did not see this one)	west Wye Service							
8		71.3		Sealed Off Wye	1						
9		95.3		Broken Pipe	3	cracks around the tap at 97 ft					
10		97.1	554 NORTH OLIVER	Break-In Conn	4	ROOTS					
11		101.3		Sealed Off Wye	1						
12		119.0	SAME PLACE AS BEFORE	Stopped Inspection	3	broken pipe in invert					

## Video Inspection Master Report

2/19/2013

8:58 AM

US Structure: 5848-025      536 N OLIVER AVE      Date Insp: 2/11/2013      Basin: E04E  
 DS Structure: 5848-445      Dir Televised: Upstream To Downstream

**Pipe Information**

Shape: Round      Length Status:      Project No. : E-042  
 Dia/Ht: 8      Material: VCP      Index:  
 Length: 194.0      Slope: 0.509      Surface:

Obs. #	VTR Counter	Distance	Location	Description	Rating	Ratings			Remain (gpm)
						Obsrvd (gpm)	Est. (gpm)	Struct Clean	
1		0.0		5848-025 US Manhole	1				
2		7.0		Broken Pipe	2				
3		8.2		Sealed Off Wye	1				
4		11.2		Sealed Off Wye	1				
5		11.5		Broken Pipe	3				
6		16.2		Broken Pipe	3				
7		29.5		Broken Pipe	3				
8		33.3	619 NORTH GLENDALE	Wye Service	3	ROOTS			
9		37.4	536 NORTH OLIVER	Break-In Conn	1	PVC tap			
10		49.9	532 NORTH OLIVER	Break-In Conn	3	PVC tap / GREASE			
11		58.4		Sealed Off Wye	1				
12		60.8		Sealed Off Wye	1				
13		87.0		Sealed Off Wye	1				
14		90.4	faces 532 NORTH OLIVER	Wye Service	3	ROOTS / not sealed at the main / active?			
15		100.2		Sag	2				
16		110.6		Sealed Off Wye	1				
17		113.6		Sealed Off Wye	1				
18		115.1		Sag	1				
19		138.7		Sealed Off Wye	2	SEAL BROKEN (or maybe not sealed near main)			
20		160.1		Sealed Off Wye	1	PARKING LOT			
21		163.1		Sealed Off Wye	1				
22		178.6	faces 520 NORTH OLIVER	Break-In Conn	1	not sealed at the main / parking lot			
23		187.1		Sealed Off Wye	1				
24		192.8		Mat. Chngs to PVC	1				
25		194.3		NEW MANHOLE BUILT HERE TO REROUTE SEWER FOR CONSTRUCTION OF CVS PHARMACY					
26		198.9		Mat. Chngs to VCP (rest of the line south of the new manhole is to be removed)	1				- Feb 2013