

KELLOGG

6-1

NOTE: Contractors should review the Site.
Sewer located very close to 1931 W. Munnell.

MH # 5346-423

MH # 5346-422
Approx depth = 3.9 ft

MH # 5346-421
Remove Manhole
Approx depth = 4.3 ft

Remove & Replace 280 lf of 8" pipe
from MH 5346-422 to MH 5346-420

Remove & Replace 31 lf of Pavement

Remove & Replace 4 lf of Concrete Sidewalk

Remove & Replace 188 lf of 8" Pipe

Remove & Replace 32 lf of Concrete Driveway

MH # 5346-420
Reconstruct Manhole
Approx depth = 3.2 ft

MH # 5346-419
Reconstruct Manhole
Approx depth = 4.0 ft
(not measured: Dogs)

MH # 5346-326
Approx depth = 4.4 ft

HIRAM

220'

206'

74'

188'

200'

719 S. Glenn

1912 W. Munnell

810 S. Hiram

Westside Church of God

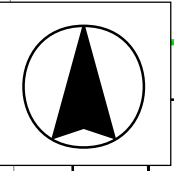
GLENN

MUNNELL

VINE

MCCORMICK

SITE 6





KELLOGG

HIRAM

GLENN

MCCORMICK

6-2

Aerial View



Television Inspection Master Report

5/8/2007
9:05 AM

US Structure: 5346-422
DS Structure: 5346-421

719 S GLENN ST
1912 W MUNNELL AVE

Date Insp: 6/5/2006
Dir Televised: Downstream To Upstream

Basin: C07G

Pipe Information

Shape: Round Length Status: VCP Project No.: B-165
Dia/Ht Width: 8 Material: Index:
Length: 205.7 Slope: 0.102 Surface:

Inspection Information

Crew: 694 Percent Full: DVD #0168
Weather: Sunny Purpose: TV Existing Line Tape ID:
Counter Start: 08:44

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings		Remain (gpm)
								Struct	Clean	
1	00:00:00	0.0	DS Manhole	5346-421 / / TV AGAINST THE FLOW						
2	00:00:00	6.2	Invert	Sag begins	2	0.000		2	0	0.000
3	00:00:00	10.8	East	Possible Sealed Off Wye	3	0.003		0	0	0.003
REMARK: BALL OF ROOTS										
4	00:00:00	13.2	West	Sealed Off Wye West	1	0.000		0	0	0.000
5	00:00:00	36.7	East	Possible Sealed Off Wye	3	0.003		0	0	0.003
REMARK: BALL OF ROOTS										
6	00:00:00	39.0	West	Wye Service	3	0.000		2	0	0.000
REMARK: 752 S. HIRAM / ROOTS										
7	00:00:00	46.7	Invert	Sag ends	2	0.000		2	0	0.000
8	00:00:00	62.1	East	Wye Service	1	0.000		0	0	0.000
REMARK: 739 S. GLENN										
9	00:00:00	64.7	West	Sealed Off Wye West	1	0.000		0	0	0.000
10	00:00:00	87.9	East	Wye Service	1	0.000		0	0	0.000
wye service east, REMARK: 727 S. GLENN										
11	00:00:00	90.4	West	Wye Service	3	0.000		2	0	0.000
wye service west, REMARK: 746 S. HIRAM / ROOTS										
12	00:00:00	113.3	East	Sealed Off Wye East	3	0.003		0	0	0.003
sealed off wye east, REMARK: ROOTS										
13	00:00:00	116.1	West	Sealed Off Wye West	1	0.000		0	0	0.000
14	00:00:00	120.8	Crown	Other	1	0.000		0	0	0.000
REMARK: POINT REPAIR MADE										
15	00:00:00	139.4	East	Sealed Off Wye East	1	0.000		0	0	0.000
16	00:00:00	141.8	West	Wye Service	5	0.000		400	0	0.000
REMARK: 726 S. HIRAM / FULL OF ROOTS										
17	00:00:00	165.1	East	Possible Sealed Off Wye	5	0.005		0	0	0.005
REMARK: BALL OF ROOTS										
18	00:00:00	167.4	West	Wye Service	5	0.000		400	0	0.000
REMARK: 720 S. HIRAM / FULL OF ROOTS										
19	00:00:00	190.7	East	Wye Service	5	0.000		400	0	0.000
REMARK: 721 S. GLENN / ROOTS										
20	00:00:00	193.3	West	Sealed Off Wye West	1	0.000		0	0	0.000
21	00:00:00	207.1	US Manhole	5346-422	1	0.000		0	0	0.000

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Television Inspection Master Report

5/8/2007
9:05 AM

US Structure: 5346-421
DS Structure: 5346-420

1912 W MUNNELL AVE
1912 W MUNNELL AVE

Date Insp: 6/5/2006
Dir Televised: Downstream To Upstream

Basin: C07G

Pipe Information

Shape: Round Length Status: VCP Project No.: B-165
Dia/Ht Width: 8 Material: Index:
Length: 74.0 Slope: 0.095 Surface:

Inspection Information

Crew: 694 Percent Full: Tape ID: DVD #0168
Weather: Sunny Purpose: TV Existing Line Counter Start:
Surface Cond: Rear Easement Flow: Counter Stop:

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)	
1	00:00:00	0.0	DS Manhole	5346-420 / TV AGAINST THE FLOW							
2	00:00:00	1.6	Crown	Crack-Horizontal	3		0.004	5	0	0.004	
3	00:00:00	3.0	Crown	Broken Pipe	3		0.010	60	0	0.010	
4	00:00:00	12.3	Invert	Sag begins	3		0.000	5	0	0.000	
5	00:00:00	13.1	Crown	Crack-Radial	3		0.004	5	0	0.004	
6	00:00:00	18.5	Crown	Crack-Radial	3		0.004	5	0	0.004	
7	00:00:00	21.1	Crown	Crack-Radial	4		0.008	10	0	0.008	
8	00:00:00	23.8	Crown	Crack-Radial	3		0.004	5	0	0.004	
9	00:00:00	31.4	Crown	Crack-Radial	3		0.004	5	0	0.004	
10	00:00:00	33.5	East	Sealed Off Wye East	3		0.003	0	0	0.003	
	REMARK: ROOTS										
11	00:00:00	36.1	West	Sealed Off Wye West	3		0.003	0	0	0.003	
	REMARK: ROOTS										
12	00:00:00	44.2	Crown	Crack-Radial	3		0.004	5	0	0.004	
13	00:00:00	54.5	Camera Lens Submerged / grease on crown		4		0.000	10	0	0.000	
14	00:00:00	58.1	Camera Lens Emerged		2		0.000	2	0	0.000	
15	00:00:00	59.4	East	Wye Service	1		0.000	0	0	0.000	
	, REMARK: 1910-12 W. MUNNELL										
16	00:00:00	62.1	West	Wye Service	1		0.000	0	0	0.000	
	REMARK: 756 S. HIRAM / service is PVC, attached to the VCP wye										
17	00:00:00	64.8	East	Break-In Conn	1		0.001	0	0	0.001	
	REMARK: 745 S. GLENN										
18	00:00:00	70.4	Lower Right	Crack-Horizontal	4		0.008	10	0	0.008	
19	00:00:00	73.3	Invert	Sag ends at manhole	2		0.000	2	0	0.000	
20	00:00:00	74.2	US Manhole	5346-421	1		0.000	0	0	0.000	

Television Inspection Master Report

5/8/2007
9:05 AM

US Structure: 5346-420 1912 W MUNNELL AVE Date Insp: 6/5/2006 Basin: C07G
DS Structure: 5346-419 810 S HIRAM AVE Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: VCP Project No.: B-165
Dia/Ht Width: 8 Material: Index:
Length: 188.0 Slope: 0.101 Surface:
Pipe Sec Length: Comment: POINT REPAIR BY SEWER MAINTENANCE FROM 129'6" TO 132'9" S OF MH. WORK COMPLETED 10-02-2003 TGC #####

Inspection Information

Crew: 694 Percent Full: Tape ID: DVD #0168
Weather: Sunny Purpose: TV Existing Line Counter Start: 10:24
Surface Cond: Rear Easement Flow: Counter Stop:

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings		
								Struct	Clean	Remain (gpm)
1	00:00:00	0.0	US Manhole	5346-420	1	0.000	0	0	0.000	
2	00:00:00	6.0	Lower Left	Crack-Horizontal	3	0.004	5	0	0.004	
3	00:00:00	9.0	Crown	Crack-Radial	4	0.008	10	0	0.008	
4	00:00:00	14.3	Crown	Crack-Radial	3	0.004	5	0	0.004	
5	00:00:00	40.1	Lower Left	Broken Pipe	3	0.010	60	0	0.010	
6	00:00:00	54.0	West	Sealed Off Wye West	4	0.004	0	0	0.004	
REMARK: ROOTS										
7	00:00:00	55.6	Crown	Broken Pipe	4	0.030	78	0	0.030	
8	00:00:00	56.6	East	Sealed Off Wye East	4	0.004	0	0	0.004	
REMARK: ROOTS										
9	00:00:00	56.7	West	Break-In Conn	3	0.004	2	0	0.004	
REMARK: 802 S. HIRAM / ROOTS / DYE TEST										
10	00:00:00	58.2	Crown	Broken Pipe	3	0.010	60	0	0.010	
11	00:00:00	74.6	Invert	Sag begins	2	0.000	2	0	0.000	
12	00:00:00	79.7	West	Sealed Off Wye West	1	0.000	0	0	0.000	
13	00:00:00	90.7		Stopped Inspection	3	0.000	0	0	0.000	
REMARK: NEED CLEANER TO PULL DOWN WATER										

RESUMED TELEVISIONING:

3	00:00:00	93.3	Upper Left	Crack-Radial	3	0.004	5	0	0.004	
4	00:00:00	94.0	East	Break-In Conn	1	0.001	0	0	0.001	
REMARK: 1900 W. MCCORMICK										
5	00:00:00	96.0	Crown	Crack-Radial	3	0.004	5	0	0.004	
6	00:00:00	104.7	West	Wye Service	1	0.000	0	0	0.000	
REMARK: 1931 W. MUNNELL										
7	00:00:00	107.1	East	Break-In Conn	1	0.001	0	0	0.001	
REMARK: 1900 W. MCCORMICK										
8	00:00:00	129.3	Joint	PVC begins						
9	00:00:00	130.3	West	Break-In Conn	1	0.001	0	0	0.001	
REMARK: 804 S. HIRAM / PVC / DYE TESTED										
10	00:00:00	133.3	Joint	PVC ends						

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Television Inspection Master Report

5/8/2007
9:05 AM

US Structure: 5346-420 1912 W MUNNELL AVE **Date Insp:** 6/5/2006 **Basin:** C07G
DS Structure: 5346-419 810 S HIRAM AVE **Dir Televised:** Upstream To Downstream

11	00:00:00	140.8	East	Break-In Conn	1	0.001	0	0	0.001
	REMARK: 1900 W. MCCORMICK / PVC								
12	00:00:00	149.7	Invert	Broken Pipe	3	0.010	60	0	0.010
13	00:00:00	156.5	West	Wye Service	1	0.000	0	0	0.000
	REMARK: 810 S. HIRAM								
14	00:00:00	158.7	East	Wye Service	1	0.000	0	0	0.000
	REMARK: 1900 W. MCCORMICK								
15	00:00:00	164.7	East	Break-In Conn	1	0.001	0	0	0.001
	REMARK: 1900 W. MCCORMICK								
16	00:00:00	167.7	Lower Left	Broken Pipe	4	0.030	78	0	0.030
17	00:00:00	170.4	Crown	Broken Pipe	3	0.004	2	0	0.004
18	00:00:00	175.9	Crown	Crack-Radial	3	0.004	5	0	0.004
19	00:00:00	182.0	West	Sealed Off Wye West	1	0.000	0	0	0.000
20	00:00:00	184.2	East	Break-In Conn	1	0.001	0	0	0.001
	REMARK: 1900 W. MCCORMICK								
21	00:00:00	185.9	Invert	Broken Pipe	4	0.030	78	0	0.030
	REMARK: Pipe looks like it's going uphill here / poor grade								
22	00:00:00	187.0	Invert	Sag ends	2	0.000	2	0	0.000
23	00:00:00	188.1	DS Manhole	5346-419	1	0.000	0	0	0.000