

Douglas

Elizabeth

MH # 5547-415
Approx depth = 10.3 ft

McCormick-Armstrong
1501 E. Douglas

MH # 5547-414
Approx MH depth = 11.6 ft
(inside drop from south)

MH # 5547-413
Approx depth = 10.4 ft

190' 36"

189' 18"

190' 18"

170' 18"

10'

Install 360 lf of 18" Cured-in-Place Liner
from MH 5547-415 to MH 5547-413

MH # 5547-433
Approx depth = 8.6 ft

Install 149 lf of 8" Cured-in-Place Liner
from MH 5547-435 to MH 5547-414

10'

139'

MH # 5547-435
Approx depth = 4.0 ft

446' 36"

Ellis Ave

Greenwood

Hyde Park

SITE 3





E DOUGLAS AVE

1501 E.
Douglas

S ELLIS AVE

S GREENWOOD AVE

E HYDE PARK



Television Inspection Master Report

9/3/2010

8:14 AM

US Structure: 5547-415 1501 E DOUGLAS AVE Date Insp: 7/8/2010 Basin: C03A
 DS Structure: 5547-414 1501 E DOUGLAS AVE Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No. : B-209
 Dia/Ht: 18 Material: VCP Index:
 Length: 182.6 Slope: 0.001 Surface:

Inspection Information

Crew: 690 Percent Full: Tape ID: DVD #0587

Comments: THIS LINE RUNS UNDER BUILDINGS

| Obs. # | VTR Counter | Distance | Location | Description | Rating | Ratings | | | Remain (gpm) | |
|-----------------------|-------------|----------|----------|--|--------|--------------|------------|--------------|--------------|--|
| | | | | | | Obsrvd (gpm) | Est. (gpm) | Struct Clean | | |
| 1 | | 0.0 | | 5547-415 US Manhole | | | | | | |
| 2 | | 18.3 | | Crack-Radial | 2 | | | | | |
| 3 | | 19.7 | | Crack-Horizontal | 3 | | | | | |
| 4 | | 19.7 | | Crack-Horizontal | 2 | | | | | |
| 5 | | 23.4 | | Broken Pipe | 3 | | | | | |
| 6 | | 23.8 | | Crack-Horizontal | 2 | | | | | |
| 7 | | 26.3 | | Crack-Radial | 2 | | | | | |
| 8 | | 30.9 | | Crack-Radial | 2 | | | | | |
| 9 | | 38.5 | | Crack-Horizontal | 2 | | | | | |
| 10 | | 42.4 | | Crack-Horizontal | 2 | | | | | |
| 11 | | 45.7 | | Debris | 4 | | | | | |
| | | | | Something in the left side of the pipe, at the flowline. This may need bladed down. Not sure what it is. | | | | | | |
| 12 | | 48.6 | | Crack-Horizontal | 2 | | | | | |
| 13 | | 53.7 | | Sealed off / Wye Service | 1 | | | | | |
| 14 | | 58.0 | | Crack-Radial | 2 | | | | | |
| 15 | | 60.9 | | Crack-Radial | 2 | | | | | |
| 16 | | 61.8 | | Crack-Horizontal | 3 | | | | | |
| 17 | | 62.9 | | Crack-Radial | 3 | | | | | |
| 18 | | 65.0 | Joint | Offset | 2 | | | | | |
| 19 | | 68.0 | | Crack-Horizontal | 2 | | | | | |
| 20 | | 71.0 | | Crack-Horizontal | 3 | | | | | |
| 21 | | 71.0 | Joint | Offset | 3 | | | | | |
| 22 | | 71.9 | | Break-In Conn | 2 | | | | | |
| 1501 E DOUGLAS | | | | | | | | | | |
| 23 | | 74.4 | | Sealed off / Wye Service | 1 | | | | | |
| 24 | | 74.4 | | Crack-Horizontal | 2 | | | | | |
| 25 | | 75.9 | | Crack-Radial | 2 | | | | | |

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8:14 AM

US Structure: 5547-415 1501 E DOUGLAS AVE Date Insp: 7/8/2010 Basin: C03A
 DS Structure: 5547-414 1501 E DOUGLAS AVE Dir Televised: Upstream To Downstream

| | | | |
|----|-------|--------------------------|---|
| 26 | 85.5 | Crack-Horizontal | 2 |
| 27 | 87.9 | Crack-Horizontal | 2 |
| 28 | 96.3 | Crack-Radial | 2 |
| 29 | 99.1 | Sealed off / Wye Service | 1 |
| 30 | 100.5 | Crack-Horizontal | 2 |
| 31 | 108.0 | Crack-Radial | 2 |
| 32 | 108.0 | Crack-Radial | 2 |
| 33 | 110.5 | Crack-Horizontal | 3 |
| 34 | 113.7 | Crack-Horizontal | 2 |
| 35 | 118.1 | Crack-Horizontal | 2 |
| 36 | 118.1 | Crack-Horizontal | 2 |
| 37 | 121.4 | Crack-Horizontal | 3 |
| 38 | 123.9 | Sealed off / Wye Service | 1 |
| 39 | 149.6 | Sealed off / Wye Service | 1 |
| 40 | 151.3 | Crack-Horizontal | 2 |
| 41 | 153.5 | Crack-Horizontal | 2 |
| 42 | 166.2 | Crack-Horizontal | 2 |
| 43 | 171.0 | Crack-Horizontal | 2 |
| 44 | 174.5 | Sealed off / Wye Service | 1 |
| 45 | 179.0 | Crack-Radial | 2 |
| 46 | 191.3 | 5547-414 DS Manhole | 2 |



Television Inspection Master Report

9/3/2010

8:14 AM

US Structure: 5547-414 1501 E DOUGLAS AVE Date Insp: 7/8/2010 Basin: C03A
 DS Structure: 5547-413 1525 E DOUGLAS AVE Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No. : B-209
 Dia/Ht: 18 Material: VCP Index:
 Length: 180.0 Slope: 0.120 Surface:

Inspection Information

Crew: 690 Percent Full: Tape ID: DVD #0587

| Obs. # | VTR Counter | Distance | Location | Description | Rating | Ratings | | | Remain (gpm) | |
|-----------------|-------------|----------|----------|----------------------|--------|--------------|------------|--------------|--------------|--|
| | | | | | | Obsrvd (gpm) | Est. (gpm) | Struct Clean | | |
| 1 | | 0.0 | | 5547-414 US Manhole | 1 | | | | | |
| 2 | | 8.7 | | Wye Service | 1 | | | | | |
| 3 | | 10.1 | | Crack-Horizontal | 2 | | | | | |
| 4 | | 34.1 | | Wye Service | 1 | | | | | |
| 1525 E. DOUGLAS | | | | | | | | | | |
| 5 | | 54.8 | Joint | Offset | 2 | | | | | |
| 6 | | 55.5 | | Crack-Horizontal | 2 | | | | | |
| 7 | | 56.8 | | Crack-Horizontal | 2 | | | | | |
| 8 | | 58.9 | | Wye Service | 1 | | | | | |
| 9 | | 84.1 | | Wye Service | 1 | | | | | |
| 1525 E DOUGLAS | | | | | | | | | | |
| 10 | | 109.4 | | Wye Service | 1 | | | | | |
| 11 | | 111.8 | | Debris (not too bad) | 2 | | | | | |
| 12 | | 132.0 | | Wye Service | 1 | | | | | |
| 13 | | 146.4 | | Crack-Horizontal | 3 | | | | | |
| 14 | | 149.1 | | Crack-Horizontal | 3 | | | | | |
| 15 | | 153.7 | | Crack-Horizontal | 2 | | | | | |
| 16 | | 161.8 | | Crack-Radial | 2 | | | | | |
| 17 | | 170.4 | | 5547-413 DS Manhole | 1 | | | | | |

This line lies very close to the edge of a building.



Television Inspection Master Report

9/3/2010

8:16 AM

US Structure: 5547-435 1501 E DOUGLAS AVE Date Insp: 7/22/2010 Basin: C03A
 DS Structure: 5547-433 1501 E DOUGLAS AVE Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No. : A-449
 Dia/Ht: 8 Material: VCP Index:
 Length: 139.0 Slope: 0.400 Surface:

Inspection Information

Crew: 692 Percent Full: Tape ID: DVD #0590

| Obs. # | VTR Counter | Distance | Location | Description | Rating | Obsrvd (gpm) | Ratings | | | Remain (gpm) |
|--|-------------|----------|--|---------------------|--------|--------------|------------|--------|-------|-----------------------|
| | | | | | | | Est. (gpm) | Struct | Clean | |
| 1 | | 0.0 | | 5547-435 US Manhole | 1 | | 0.000 | 0 | 0 | 0.000 |
| 1525 E DOUGLAS | | | | | | | | | | |
| 2 | | 3.3 | | Crack-Radial | 2 | | 0.002 | 2 | 0 | 0.002 |
| 3 | | 5.9 | | Crack-Radial | 3 | | 0.004 | 5 | 0 | 0.004 |
| 4 | | 11.1 | | Crack-Radial | 2 | | 0.002 | 2 | 0 | 0.002 |
| 5 | | 22.6 | | Sealed Off Wye | 1 | | 0.000 | 0 | 0 | 0.000 |
| 6 | | 23.7 | | Sealed Off Wye | 1 | | 0.000 | 0 | 0 | 0.000 |
| 7 | | 33.7 | East | Break-In Conn | 1 | | 0.001 | 0 | 0 | 0.001 |
| 123 S GREENWOOD/ extended, rough & jagged clay service | | | | | | | | | | |
| 8 | | 47.9 | West | Break-In Conn | 1 | | 0.001 | 0 | 0 | 0.001 |
| 1501 E DOUGLAS | | | | | | | | | | |
| 9 | | 50.0 | | Sealed Off Wye | 1 | | 0.000 | 0 | 0 | 0.000 |
| 10 | | 52.4 | | Sealed Off Wye | 1 | | 0.000 | 0 | 0 | 0.000 |
| 11 | | 67.2 | Hole in crown / cavity | Broken Pipe | 5 | | 0.060 | 100 | 0 | 0.060 |
| 12 | | 77.4 | Not sealed at main / half full of debris | East Wye | 1 | | 0.000 | 0 | 0 | 0.000 |
| 13 | | 79.9 | | Sealed Off Wye | 1 | | 0.000 | 0 | 0 | 0.000 |
| 14 | | 80.9 | Invert | Crack-Radial | 4 | | 0.008 | 10 | 0 | 0.008 |
| 15 | | 84.7 | | Observation Hole | 1 | | 0.000 | 0 | 0 | 0.000 |
| 16 | | 88.2 | | Broken Pipe | 4 | | 0.030 | 78 | 0 | 0.030 |
| 17 | | 102.0 | | Sealed Off Wye | 1 | | 0.000 | 0 | 0 | 0.000 |
| 18 | | 104.6 | | Sealed Off Wye | 1 | | 0.000 | 0 | 0 | 0.000 |
| 19 | | 126.7 | | Sealed Off Wye | 1 | | 0.000 | 0 | 0 | 0.000 |
| 20 | | 126.7 | | Crack-Radial | 3 | | 0.004 | 5 | 0 | 0.004 |
| 21 | | 129.5 | | Sealed Off Wye | 1 | | 0.000 | 0 | 0 | 0.000 |
| 22 | | 139.0 | | 5547-433 DS Manhole | 2 | | | | | Bad Invert in manhole |

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9/3/2010

8:16 AM

US Structure: 5547-433 1501 E DOUGLAS AVE Date Insp: 7/22/2010 Basin: C03A
 DS Structure: 5547-414 1501 E DOUGLAS AVE Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No. : A-449
 Dia/Ht: 8 Material: VCP Index:
 Length: 10.0 Slope: 0.400 Surface:

Inspection Information

Crew: 692 Percent Full: Tape ID: DVD #0590

| Obs. # | VTR Counter | Distance | Location | Description | Rating | Obsrvd (gpm) | Ratings | | Remain (gpm) |
|--------|-------------|----------|-----------------------------|---------------------|-------------|--------------|------------|--------------|--------------|
| | | | | | | | Est. (gpm) | Struct Clean | |
| 1 | | 0.0 | | 5547-433 US Manhole | 2 | | | | |
| 2 | | 4.9 | Gapped joint / cracked pipe | Crack-Radial | 3 | 0.004 | 5 | 0 | 0.004 |
| 3 | | 7.9 | | 5547-414 DS Manhole | INSIDE DROP | | | | |

Can the liner be installed through the invert of MH 5547-433, with only the top cut out?