

Dunham

Clifton

Yale

Underground Union  
(no visible structure)  
(approx. 195' from MH  
5744-853 to next MH north)

MH 5744-853  
Approx MH depth = 9.7 ft

Remove 130 lf of 6" Pipe  
Install 130 lf of 8" Pipe

3187 S.  
Clifton

3190 S.  
Clifton

3624 E.  
31st St. S.

3183  
S. Yale

449'

8" VCP

302'

195'

31st Street South

MH 5744-830  
Remove & Replace MH Bench & Invert  
Approx MH depth = 9.6 ft

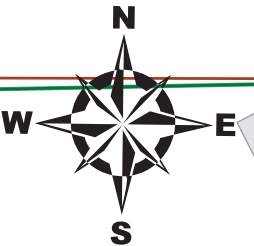
Remove 302 lf of 6" Pipe  
Install 302 lf of 8" Pipe

MH 5744-831  
Remove Manhole  
Construct Standard Manhole  
Approx MH depth = 9.9 ft

**MAP 1**

Page 6 of 37

Estimated 3 Service Reconnections (4")  
Estimated 1 Service Reconnection (6")  
Estimated 1 Curb Inlet Protection





# Television Inspection Master Report

6/3/2009  
12:36 PM

US Structure: 5744-853      3182 S CLIFTON ST      Date Insp: 8/14/2008      Basin: C01A  
 DS Structure: 5744-830      3182 S CLIFTON ST      Dir Televised: Downstream To Upstream

**Pipe Information**

Shape:	Round	Length Status:	VCP	Project No.:	L-067
Dia/Ht:	6	Material:	0.580	Tape ID:	DVD #0432
Length:	130.0	Slope:			

LINE IN POOR CONDITION DUE TO GREASE AND CRACKS

Obs. #	VTR	Counter	Distance	Location	Description	Rating	Ratings						
							Obsrvd (gpm)	Est. (gpm)	Struct Clean	Remain (gpm)			
1			0.0	DS Manhole 5744-830	TV AGAINST THE FLOW								
4			1.0	Pipe broken at manhole wall	Broken Pipe	3	0.010	60	0	0.010			
5			7.9	Start	Sag	3	0.000	5	0	0.000			
6			20.6		Grease	4	0.000	0	10	0.000			
7			22.8	End	Sag	1	0.000	1	0	0.000			
8			26.5	Crown	Crack-Radial	3	0.004	5	0	0.004			
9			28.2	Lower Right	Grease	4	0.000	0	10	0.000			
10			33.1	Upper Right	Grease	4	0.000	0	10	0.000			
11			33.8	Crown	Crack-Radial	4	0.008	10	0	0.008			
12			62.6	Invert	Crack-Radial	3	0.004	5	0	0.004			
13			63.7	West	Break-In Conn	1	0.001	0	0	0.001			
				Faces 3182 SOUTH CLIFTON	4" Break In Connection (needs verified to see if this is active or not)								
14			68.7	Upper Right	Broken Pipe	3	0.010	60	0	0.010			
15			80.4	East	Break-In Conn	1	0.001	0	0	0.001			
				Faces 3624 EAST 31ST ST SOUTH	4" Break In Connection								
16			94.2		Extended Tap	2	0.002	0	0	0.002			
				Faces 3176-78-80 SOUTH CLIFTON TRIPL	4" Break In Connection (needs verified to see if this is active or not)								
17			94.2		Stopped Inspection	5							
					Comment: DUE TO EXTENDED TAP								

Incomplete televising



# Television Inspection Master Report

6/3/2009  
12:36 PM

US Structure: 5744-831  
DS Structure: 5744-830

3083 S YALE ST  
3182 S CLIFTON ST

Date Insp: 8/1/2008  
Dir Televised: Upstream To Downstream

Basin: C01A

Pipe Information

Shape: Round  
Dia/Ht: 6  
Length: 302.0

Length Status:  
Material: VCP  
Slope: 0.580

Project No.: I-067  
Index:  
DVD #0432

Comments: THIS LINE IS IN POOR CONDITION DUE TO ROOTS ALSO THERE IS NO CLEANOUT LID FOR THE PRIVATE CLEANOUT AT 40 FT

Obs. #	VTR	Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Struct	Clean	Remain (gpm)
1			0.0	US Manhole	5744-831	1					
2			2.0	Upper Left	Crack-Radial	3	0.004	0.004	5	0	0.004
3			6.0	Joint	Roots	3	0.008	0.008	5	8	0.008
4			48.8	Upper Right	Broken Pipe	3	0.010	0.010	60	0	0.010
5			71.0		PR Starts - Mat. Chngs to PVC	3	0.000	0.000	0	0	0.000
6			76.2	North	Break-In Conn	1	0.001	0.001	0	0	0.001
			3646	EAST 31ST ST SOUTH	4" Predco Saddle						
7			81.1		PR Ends - Mat. Chngs to VCP	1	0.000	0.000	0	0	0.000
8			92.2	Joint	Roots	3	0.008	0.008	5	8	0.008
9			125.7	North	Break-In Conn	4	0.008	0.008	60	0	0.008
			3634	EAST 31ST ST SOUTH	4" Break In Connection						
10			162.6	North	Break-In Conn	1	0.001	0.001	0	0	0.001
			3632	EAST 31ST ST SOUTH	4" Break In Connection						
11			171.2	Upper Right	Crack-Radial	3	0.004	0.004	5	0	0.004
12			192.4	Upper Right	Broken Pipe	3	0.010	0.010	60	0	0.010
13			199.5	Crown	Crack-Horizontal	3	0.004	0.004	5	0	0.004
14			217.4	Crown	Broken Pipe	4	0.030	0.030	78	0	0.030
15			218.4	Crown	Broken Pipe	3	0.010	0.010	60	0	0.010
16			235.5	Joint	Roots	3	0.008	0.008	5	8	0.008

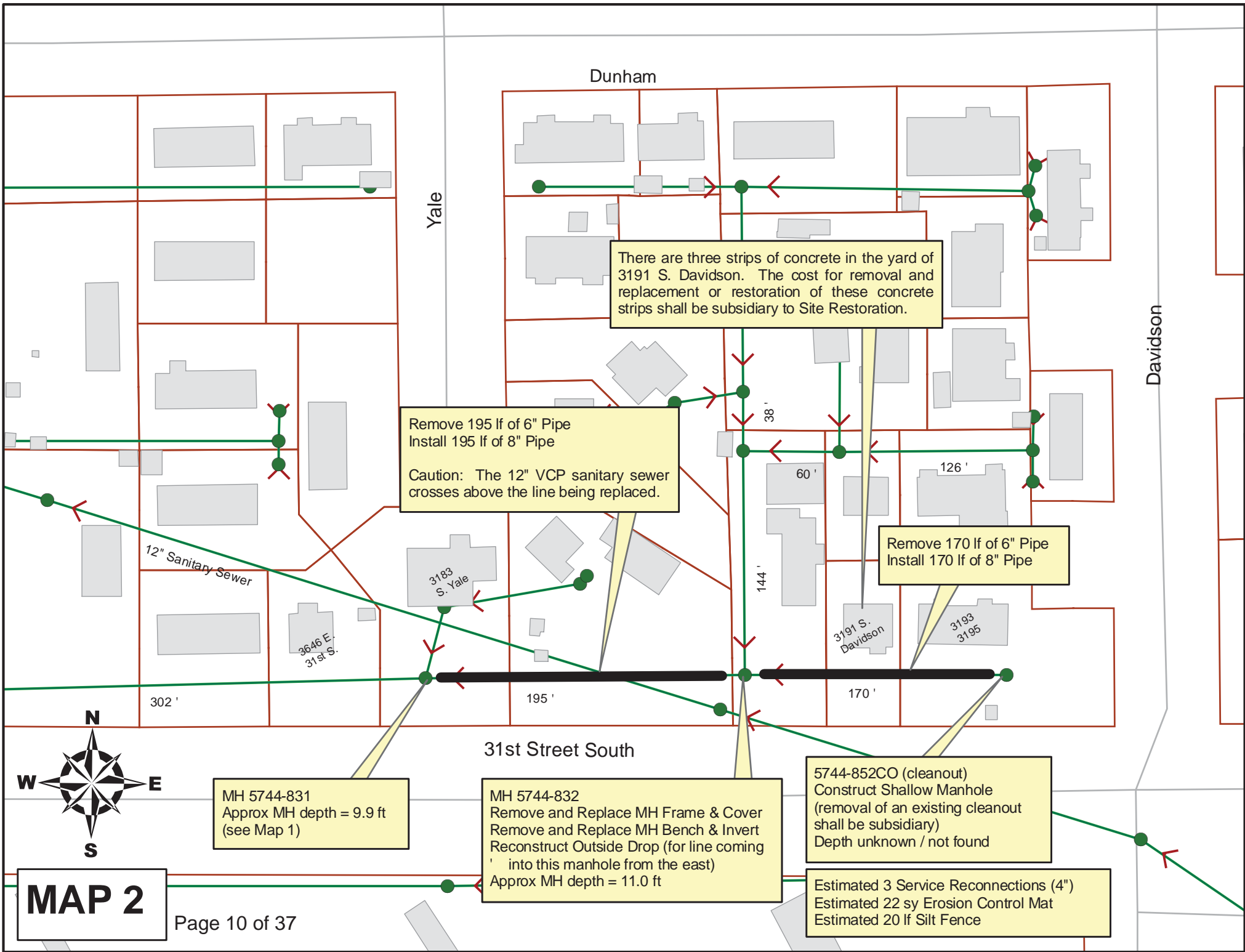
STOPPED INSPECTION / SEE REVERSE SETUP

US Structure: 5744-831      3083 S YALE ST      Date Insp: 8/14/2008      Basin: C01A  
 DS Structure: 5744-830      3182 S CLIFTON ST      Dir Televised: Downstream To Upstream

Comments: REVERSE SETUP:

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings			
								Struct	Clean	Remain (gpm)	
1		0.0	DS Manhole	/ 3182 SOUTH CLIFTON /	Comment: TV AGAINST THE FLOW						
2		1.0	Crown	Crack-Radial	3	0.004	0.004	5	0	0.004	
3		2.7	Crown	Crack-Horizontal	3	0.004	0.004	5	0	0.004	
5		8.7	Start	Sag	3	0.000	0.000	5	0	0.000	
6		12.1	End	Sag	1	0.000	0.000	1	0	0.000	
7		14.2	North	Break-In Conn	3	0.004	0.004	2	0	0.004	
8		21.6	Crown	Broken Pipe	4	0.030	0.030	78	0	0.030	
9		26.9	Crown	Crack-Radial	3	0.004	0.004	5	0	0.004	
10		27.8	Invert	Broken Pipe	3	0.010	0.010	60	0	0.010	
11		38.1	Crown	Broken Pipe	3	0.010	0.010	60	0	0.010	
12		39.6	Crown	Broken Pipe	3	0.010	0.010	60	0	0.010	
13		42.5	Crown	Broken Pipe	3	0.010	0.010	60	0	0.010	
14		44.9	Crown	Broken Pipe	3	0.010	0.010	60	0	0.010	
15		47.1	Crown	Broken Pipe	3	0.010	0.010	60	0	0.010	
16		49.7	Crown	Broken Pipe	3	0.010	0.010	60	0	0.010	
17		52.2	Crown	Broken Pipe	3	0.010	0.010	60	0	0.010	
18		61.7	Joint	Roots	3	0.008	0.008	5	8	0.008	
19		64.7	Joint	Roots	3	0.008	0.008	5	8	0.008	
20		67.0	Joint	Roots	3	0.008	0.008	5	8	0.008	
21		67.5		Stopped Inspection	1	0.000	0.000	0	0	0.000	

Comment: THIS WILL COMPLETE INSPECTION



Dunham

Yale

Davidson

There are three strips of concrete in the yard of 3191 S. Davidson. The cost for removal and replacement or restoration of these concrete strips shall be subsidiary to Site Restoration.

Remove 195 lf of 6" Pipe  
Install 195 lf of 8" Pipe

Caution: The 12" VCP sanitary sewer crosses above the line being replaced.

Remove 170 lf of 6" Pipe  
Install 170 lf of 8" Pipe

12" Sanitary Sewer

3183 S. Yale

3191 S. Davidson

3193  
3195

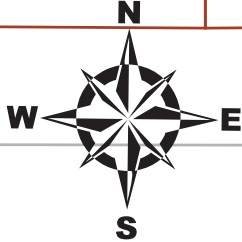
302'

195'

144'

170'

31st Street South



MH 5744-831  
Approx MH depth = 9.9 ft  
(see Map 1)

MH 5744-832  
Remove and Replace MH Frame & Cover  
Remove and Replace MH Bench & Invert  
Reconstruct Outside Drop (for line coming ' into this manhole from the east)  
Approx MH depth = 11.0 ft

5744-852CO (cleanout)  
Construct Shallow Manhole  
(removal of an existing cleanout shall be subsidiary)  
Depth unknown / not found

Estimated 3 Service Reconnections (4")  
Estimated 22 sy Erosion Control Mat  
Estimated 20 lf Silt Fence

**MAP 2**

US Structure: **5744-852CO (cleanout)**  
DS Structure: **5744-832**

3174 S YALE AVE

Date Insp: 8/21/2008  
Dir Televised: Downstream To Upstream

Basin: C01A

Pipe Information

Shape: Round  
Dia/Ht: 6  
Length: 170.0  
Length Status: VCP  
Material: 0.580  
Slope: 0.580

Project No. : I-067  
Index:  
Surface:

Obs. #	VTR	Counter	Distance	Location	Description	Rating	Ratings			
							Obsrvd (gpm)	Est. (gpm)	Struct Clean	Remain (gpm)
1			9.1	DS Manhole 5744-832	TV AGAINST THE FLOW	1	0.000	0	0	0.000
2			1.5	Crown	Broken Pipe	4	0.030	78	0	0.030
3			7.8	Crown	Broken Pipe	3	0.010	60	0	0.010
4			12.6	Joint	Roots	3	0.008	5	8	0.008
5			14.9	Joint	Roots	3	0.008	5	8	0.008
6			17.5	Joint	Roots	3	0.008	5	8	0.008
7			22.6	Joint	Roots	3	0.008	5	8	0.008
8			32.7	Joint	Roots	3	0.008	5	8	0.008
9			35.1	Joint	Roots	4	0.010	10	25	0.010
10			35.6		Collapsed Pipe	3	0.000	0	0	0.000
11			36.3		Stopped Inspection	5	0.000	0	0	0.000

Top of pipe is squashed downward, not enough room for camera to get through. Flowline was OK.

INCOMPLETE TELEVISIONING



US Structure: 5744-832  
DS Structure: 5744-831

3174 S YALE AVE  
3083 S YALE ST

Date Insp: 8/28/2008  
Dir Televised: Up->Down

Basin: C01A

Pipe Information

Shape: Round  
Dia/Ht: 6  
Length: 195.0

Length Status:  
Material: VCP  
Slope: 0.580

Project No.: I-067  
Index:  
DVD #0440

Comments: USMH 5744-832 NEEDS RAISED LINE IN VERY POOR CONDITION BEGINING AT 88 FT TO 93 FT LINE HAS COLLAPSED PIPE AND WE STOPPED INSPECTION WE WILL REVERSE SET-UP TO FINISH INPECTION

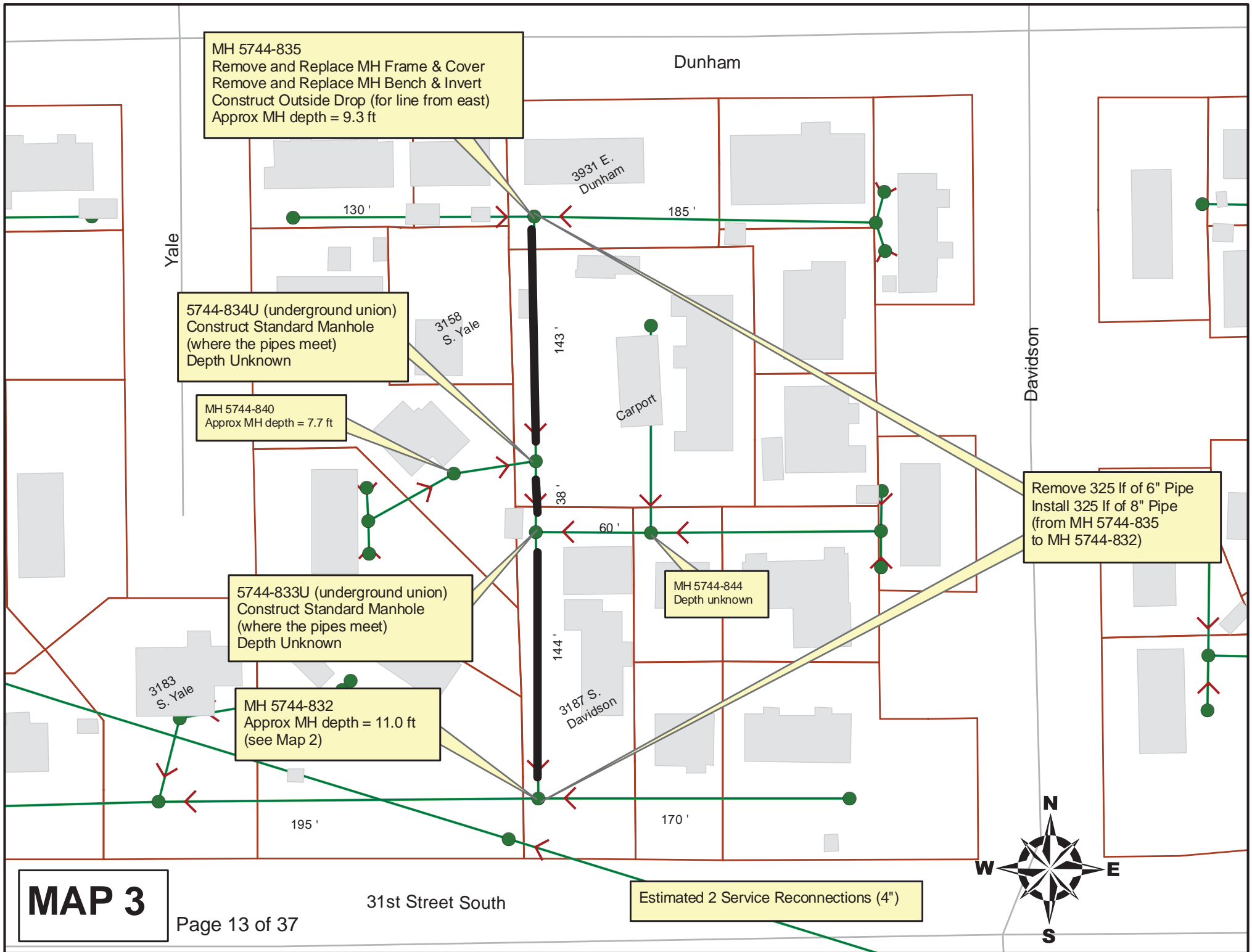
Obs. #	VTR	Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Struct Clean	Clean	Remain (gpm)
1			0.0	US Manhole	5744-832 (in gravel driveway)	1					
2			88.7	Crown	Broken Pipe	4	0.030	78	0	0	0.030
3			91.3	Crown	Collapsed Pipe	5	0.100	400	0	0	0.100
						Comment: DIRT EXPOSED					
4			92.3		Stopped Inspection	5	0.000	0	0	0	0.000
						Comment: DUE TO COLLAPSED PIPE					

REVERSE SETUP:

Comments: REVERSED SET-UP AND HAD TO STOP INSPECTION AT 3 FT DUE TO BAD OFFSET RECOMMEND POINT REPAIR FOR OFFSET UNABLE TO COMPLETE THIS INSPECTION DUE TO COLLAPSED PIPE AT 92 FT WEST OF USHM 5744-832 AND BAD OFFSET AT 3 FT EAST OF DSMH 5744-831

Obs. #	VTR	Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Struct Clean	Clean	Remain (gpm)
1			0.0	DS Manhole	5744-831	1					
						Comment: AGAINST THE FLOW					
2			3.0	Joint	Severe Offset Joint	5	0.060	100	0	0	0.060
3			3.0		Stopped Inspection	5	0.000	0	0	0	0.000

No televising available for this line. There may not be any taps on this line.



**MAP 3**





## Television Inspection Master Report

2/17/2010

4:02 PM

US Structure: 5744-834U (underground union)  
DS Structure: 5744-833U (underground union)

Date Insp: 1/27/2010 Basin: C01A  
Dir Televised: Upstream To Downstream

### Pipe Information

Project No. : I-067 Dia/Ht: 6 Material: VCP Length: 38.0 Slope: 0.580

Obs. #	VTR Counter	Distance	Location	Description	Rating	Ratings		
						Obsrvd (gpm)	Est. (gpm)	Struct Clean Remain (gpm)
1		0.0		Upstream Structure is Underground Union	1			
				3169 SOUTH DAVIDSON				
2		12.8		Roots	3			
3		35.7		Material Changes to PVC	1			
4		37.7		Downstream Structure is Underground Union	1			

The union area is PVC from a previous point repair. The pipe from the east does not come straight in. It dips downward to get to the level of the north/south pipe.

US Structure: 5744-833U (underground union)  
DS Structure: 5744-832

Date Insp: 1/27/2010 Basin: C01A  
Dir Televised: Upstream To Downstream

Pipe Information

Project No. : I-067 Dia/Ht: 6 Material: VCP Length: 143.0 Slope: 0.580

Obs. #	VTR Counter	Distance	Location	Description	Rating	Ratings		
						Obsrvd (gpm)	Est. (gpm)	Remain (gpm)

1		0.0		US Structure is Underground Union Material begins as PVC	1			
---	--	-----	--	---	---	--	--	--

The union area is PVC from a previous point repair. The pipe from the east does not come straight in. It dips downward to get to the level of the north/south pipe.

2		2.3		Material Changes to VCP	0			
3		19.4		Crack-Radial	3			
4		39.3		Debris	3			
5		54.9		E Wye Service	3			
3187 SOUTH DAVIDSON / ball of roots – cannot tell if this is active								
6		80.9		Crack-Horizontal	3			
7		84.6		E Wye Service	3			
3187 SOUTH 31ST SOUTH / possibly active – needs checked								
8		100.3		Broken Pipe	1			
9		143.6		DS Manhole 5744-832	1			
3187 E 31ST SOUTH								

5744-839CO (cleanout)  
Construct Standard Manhole  
(removal of an existing cleanout shall be subsidiary)  
Depth unknown / not found

MH 5744-835  
Approx MH depth = 9.3 ft  
(see Map 3)

5744-836CO (cleanout or union)  
Construct Standard Manhole  
(removal of an existing cleanout shall be subsidiary)  
Depth unknown / not found

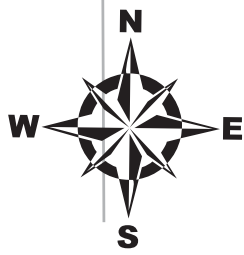
Remove 130 lf of 6" Pipe  
Install 130 lf of 8" Pipe

Remove 185 lf of 6" Pipe  
Install 185 lf of 8" Pipe

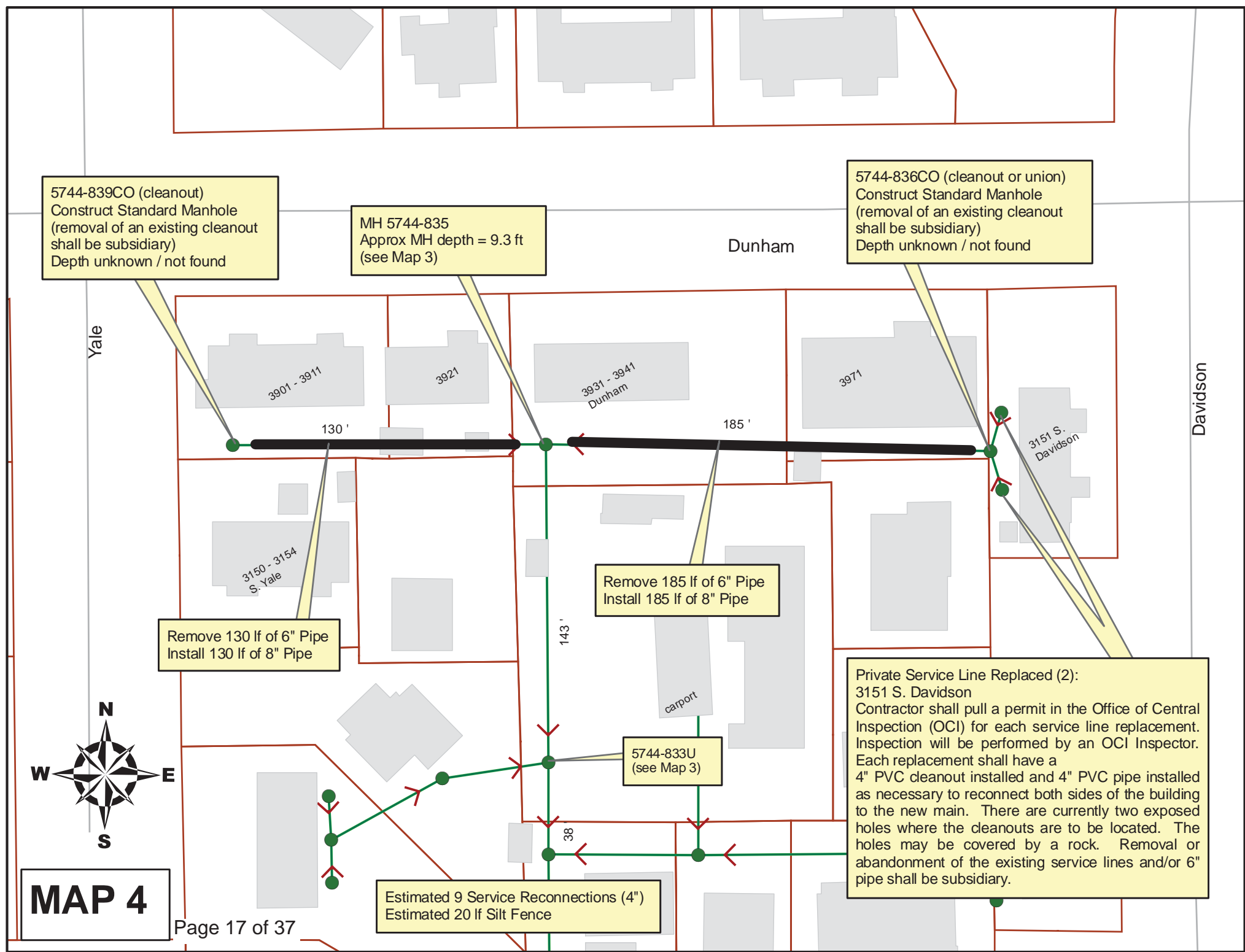
5744-833U  
(see Map 3)

Private Service Line Replaced (2):  
3151 S. Davidson  
Contractor shall pull a permit in the Office of Central Inspection (OCI) for each service line replacement. Inspection will be performed by an OCI Inspector. Each replacement shall have a 4" PVC cleanout installed and 4" PVC pipe installed as necessary to reconnect both sides of the building to the new main. There are currently two exposed holes where the cleanouts are to be located. The holes may be covered by a rock. Removal or abandonment of the existing service lines and/or 6" pipe shall be subsidiary.

Estimated 9 Service Reconnections (4")  
Estimated 20 lf Silt Fence



# MAP 4





# Video Inspection Master Report

12/7/2012  
3:08 PM

US Structure: 5744-839CO (cleanout)  
DS Structure: 5744-835

Date Insp: 11/30/2009 Basin: C01A  
3931 E DUNHAM ST Dir Televised: Downstream To Upstream

Pipe Information

Dia: 6 Material: VCP Length: 130.0 Slope: 0.580

Obs. #	VTR Counter	Distance	Location	Description	Rating	Ratings				
						Obsrvd (gpm)	Est. (gpm)	Struct Clean	Remain (gpm)	
1		0.0		5744-835 DS Manhole	1	TV AGAINST THE FLOW				
2		3.0	Joint	Offset	3		0.010	20	0	0.010
3		7.4		Crack-Horizontal	4		0.008	10	0	0.008
4		7.9		Broken Pipe	4		0.030	78	0	0.030
5		11.4		Roots	4		0.010	10	25	0.010
6		13.1		Broken Pipe	4		0.030	78	0	0.030
7		15.2		Broken Pipe	4		0.030	78	0	0.030
8		17.3		Broken Pipe	4		0.030	78	0	0.030
9		20.9		Broken Pipe	3		0.010	60	0	0.010
10		28.7		Roots	3		0.008	5	8	0.008
11		30.8		Roots	4		0.010	10	25	0.010
12		35.0	3921 EAST DUNHAM	Wye Service	3		0.000	2	0	0.000
13		35.2		Roots	4		0.010	10	25	0.010
14		38.4		Roots	3		0.008	5	8	0.008
15		70.0		Roots	3		0.008	5	8	0.008
16		72.8		Roots	3		0.008	5	8	0.008
17		87.0	3911 EAST DUNHAM	Wye Service	2		0.000	0	0	0.000
18		87.6		Broken Pipe	3		0.010	60	0	0.010
19		89.7	3154 SOUTH YALE	Break-In Conn	3		0.004	2	0	0.004
20		92.3		Roots	4		0.010	10	25	0.010
21		95.0		Roots	3		0.008	5	8	0.008
22		97.0	3150 SOUTH YALE	Wye Service	3		0.000	2	0	0.000
23		99.6		Roots	4		0.010	10	25	0.010
24		101.9		Roots	3		0.008	5	8	0.008
25		103.9		Roots	4		0.010	10	25	0.010
26		106.8		Roots	3		0.008	5	8	0.008
27		109.8		Roots	3		0.008	5	8	0.008
28		112.2		Roots	3		0.008	5	8	0.008
29		119.7		Roots	3		0.008	5	8	0.008
30		124.0	3901 SOUTH YALE	Wye Service	3		0.000	2	0	0.000
31		125.1	3901 EAST DUNHAM	US cleanout	4		0.000	0	0	0.000
32		125.1	TELEVISION STOPPED	Other / cavity	5		0.000	0	0	0.000



# Video Inspection Master Report

12/7/2012  
3:08 PM

US Structure: 5744-836CO  
DS Structure: 5744-835

3931 E DUNHAM ST

Date Insp: 8/21/2008  
Dir Televised: Downstream To Upstream

Basin: C01A

**Pipe Information**  
Shape: Round Project No. : I-067 Dia: 6 Material: VCP Length: 185.0 Slope: 0.580  
Crew: 694 Tape ID: DVD #0434

Obs. #	VTR Counter	Distance	Location	Description	Rating	Obsrvd	Est.	Ratings		
						(gpm)	(gpm)	Struct	Clean	Remain
						(gpm)	(gpm)			(gpm)
1		0.0	DS Manhole / TV AGAINST THE FLOW /	3182 SOUTH CLIFTON						
2		8.1	North	Wye Service	5	0.000	400	0	0.000	
						3931 EAST DUNHAM 4" Clay Wye Connection Comment: ROOTS				
3		9.1	Crown	Broken Pipe	3	0.010	60	0	0.010	
4		16.0	Crown	Crack-Horizontal	3	0.004	5	0	0.004	
5		18.4	Crown	Broken Pipe	3	0.010	60	0	0.010	
6		20.7	Crown	Broken Pipe	3	0.010	60	0	0.010	
7		23.4	Crown	Broken Pipe	3	0.010	60	0	0.010	
8		26.0	Crown	Broken Pipe	3	0.010	60	0	0.010	
9		30.7	Crown	Broken Pipe	3	0.010	60	0	0.010	
10		33.6	Crown	Broken Pipe	3	0.010	60	0	0.010	
11		37.4	Crown	Broken Pipe	3	0.010	60	0	0.010	
12		38.7	Crown	Broken Pipe	3	0.010	60	0	0.010	
13		41.5	Crown	Broken Pipe	3	0.010	60	0	0.010	
14		43.8	Crown	Broken Pipe	3	0.010	60	0	0.010	
15		48.1	North	Wye Service	5	0.000	400	0	0.000	
						3841 EAST DUNHAM 4" Clay Wye Connection Comment: ROOTS				
16		48.4	Upper Right	Broken Pipe	3	0.010	60	0	0.010	
17		58.9	Crown	Broken Pipe	3	0.010	60	0	0.010	
18		60.9	Crown	Broken Pipe	3	0.010	60	0	0.010	
19		63.4	Crown	Broken Pipe	3	0.010	60	0	0.010	
20		65.7	Crown	Broken Pipe	3	0.010	60	0	0.010	
21		75.8	Upper Right	Broken Pipe	3	0.010	60	0	0.010	
22		87.2	Start	Sag	3	0.000	5	0	0.000	
23		95.9	End	Sag	1	0.000	1	0	0.000	
24		155.4	North	Break-In Conn	1	0.001	0	0	0.001	
						3971 EAST DAVIDSON 4" Break In Connection				
25		155.4	South	Break-In Conn	4	0.008	60	0	0.008	
						3157 SOUTH DAVIDSON 4" Break In Connection Comment: OFFSET				
26		160.3	Crown	Crack-Horizontal	3	0.004	5	0	0.004	
27		165.4	Crown	Crack-Horizontal	3	0.004	5	0	0.004	
28		179.8	Invert	Other	1	0.000	0	0	0.000	
						3157 SOUTH DAVIDSON Comment: LINE FROM SOUTH				
29		184.0	Crown	Other	1	0.000	0	0	0.000	
						3151 SOUTH DAVIDSON Comment: LINE FROM NORTH				
30		185.2	US CLEANOUT		1	0.000	0	0	0.000	

5744-841  
Construct Shallow Manhole over existing 6" VCP at approx 35 lf southwest of MH 5744-840. Depth unknown. The abandonment of 6" pipe to the southwest shall be subsidiary to the manhole construction.

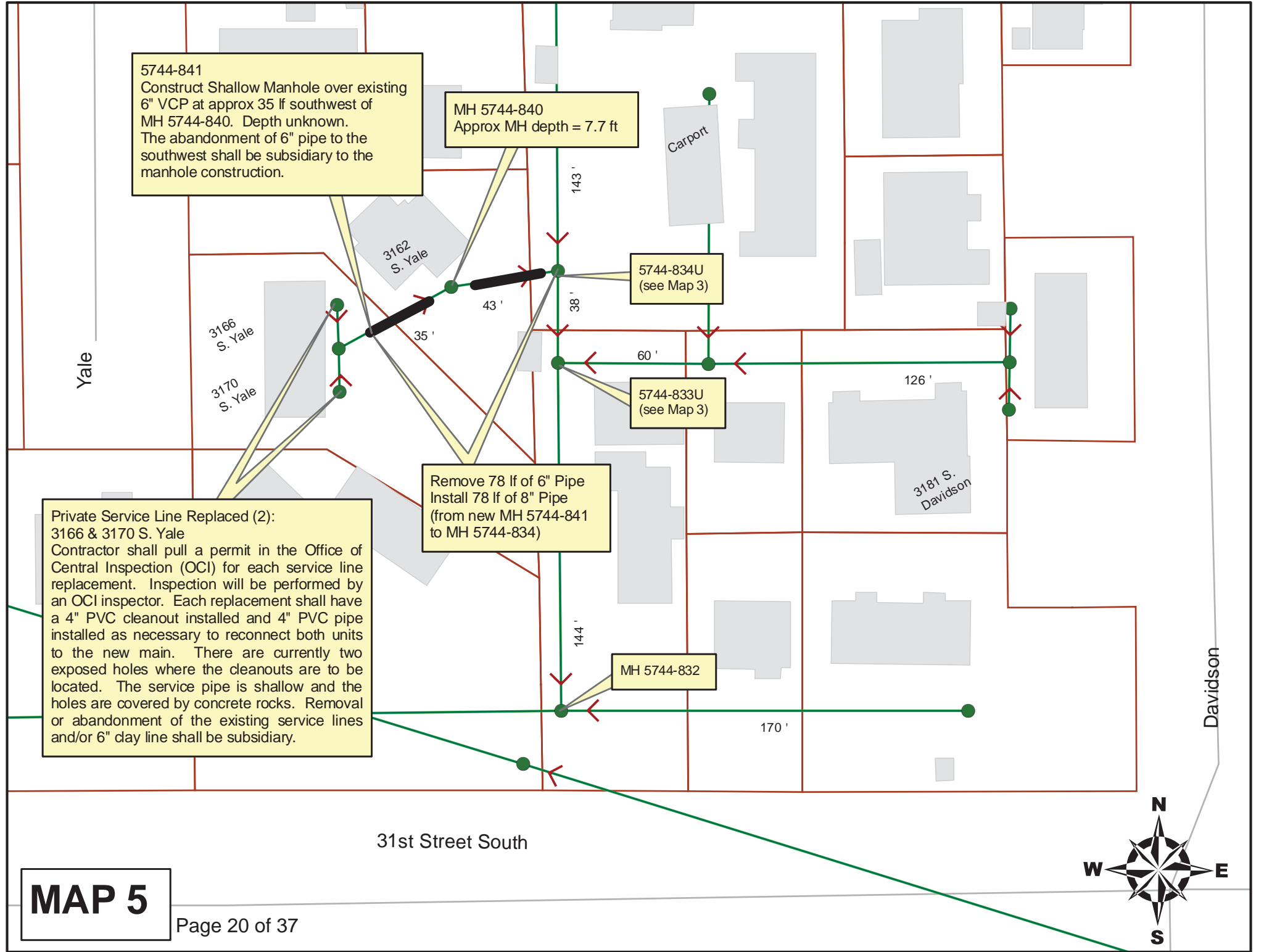
MH 5744-840  
Approx MH depth = 7.7 ft

5744-834U  
(see Map 3)

5744-833U  
(see Map 3)

Remove 78 lf of 6" Pipe  
Install 78 lf of 8" Pipe  
(from new MH 5744-841 to MH 5744-834)

Private Service Line Replaced (2):  
3166 & 3170 S. Yale  
Contractor shall pull a permit in the Office of Central Inspection (OCI) for each service line replacement. Inspection will be performed by an OCI inspector. Each replacement shall have a 4" PVC cleanout installed and 4" PVC pipe installed as necessary to reconnect both units to the new main. There are currently two exposed holes where the cleanouts are to be located. The service pipe is shallow and the holes are covered by concrete rocks. Removal or abandonment of the existing service lines and/or 6" clay line shall be subsidiary.



# MAP 5

## Video Inspection Master Report

9/27/2012  
3:25 PM

US Structure: **5744-841**      3166 S YALE ST      Date Insp: 8/26/2008      Basin: C01A  
 DS Structure: **5744-840**      3162 S YALE AVE      Dir. Televised: Downstream To Upstream

**Pipe Information**

Shape: Round      Length Status: VCP      Project No. : I-067  
 Dia/Ht: 6      Material:      Index:  
 Length: 50.0      Slope: 2.800      Surface:

Obs. #	VTR Counter	Distance	Location	Description	Rating	Ratings				
						Obsrvd (gpm)	Est. (gpm)	Struct Clean	Remain (gpm)	
1		0.0	DS Manhole 5744-840	N/A	2		TV against the flow			
0.00 Manhole tap for 3162 S. Yale										
2		4.0	Invert		3	0.000	5	0	0.000	
3		10.0	End		2	0.000	2	0	0.000	
4		13.0	Camera Blocked / pipe missing	Offset	4	0.030	60	0	0.030	
Camera is climbing a fairly steep incline and cannot get past the offset joint. / stopped inspection										

INCOMPLETE  
TELEVISION

# Video Inspection Master Report

9/27/2012  
3:15 PM

US Structure: **5744-840**  
DS Structure: **5744-834U**

3162 S YALE AVE

Date Insp: 8/20/2008  
Dir Televised: Upstream To Downstream

Basin: **C01A**

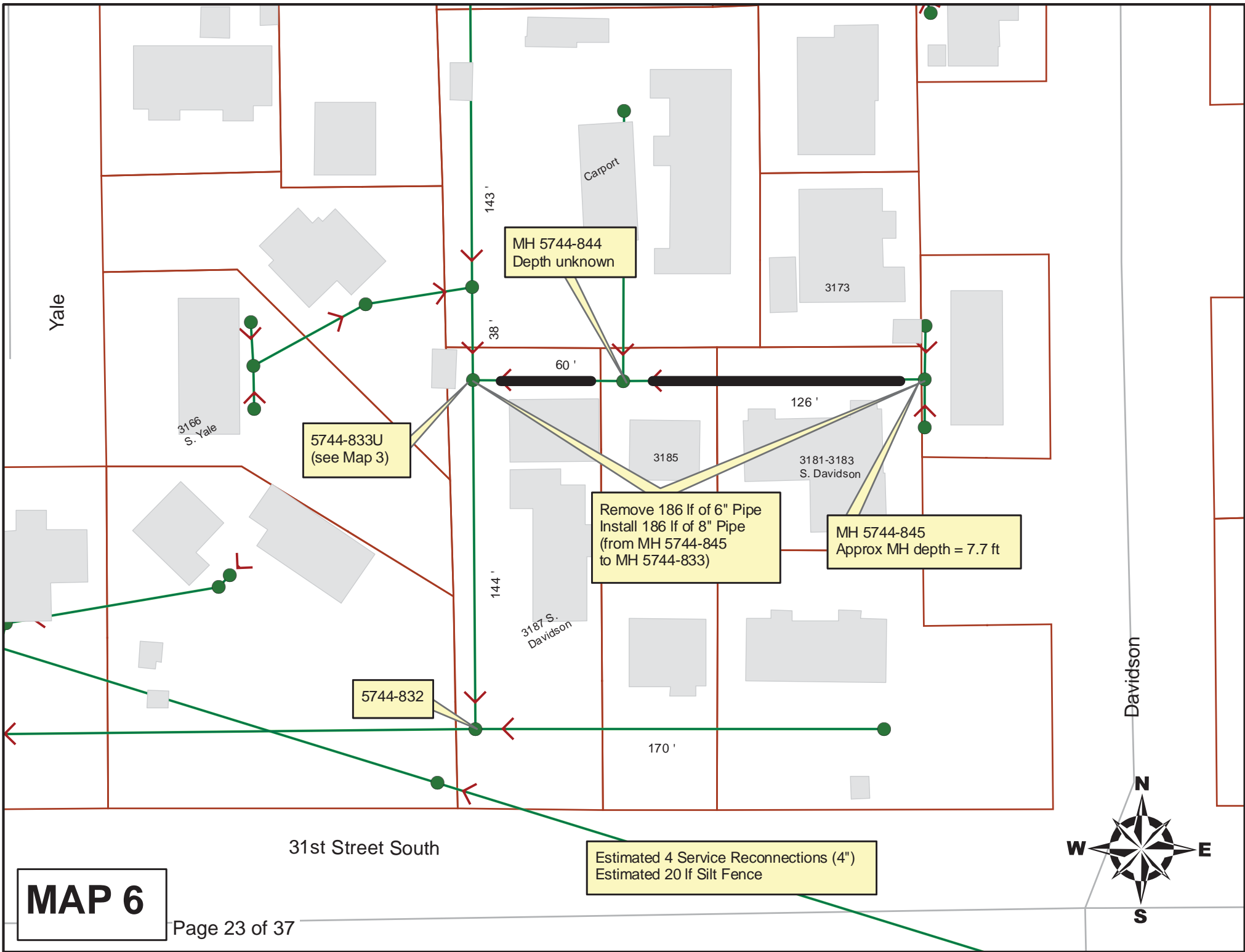
**Pipe Information**

Shape: Round  
Dia/Ht: 6  
Length: 43.0

Length Status: VCP  
Material: VCP  
Slope: 2.558

Project No. : I-067  
Index:  
Surface:

Obs. #	VTR	Counter	Distance	Location	Description	Rating	Ratings				
							Obsrvd (gpm)	Est. (gpm)	Struct	Clean	Remain (gpm)
1			0.0	US Manhole 5744-840	1	0.000	0	0	0	0.000	
2			3.0		Sealed Off Wye North	1	0.000	0	0	0.000	
3			0.0	Joint	Roots	3	0.008	5	8	0.008	
4			10.1	Joint	Roots	3	0.008	5	8	0.008	
5			15.4	Joint	Roots	3	0.008	5	8	0.008	
6			20.4	Joint	Roots	3	0.008	5	8	0.008	
7			23.2	Joint	Roots	4	0.010	10	25	0.010	
8			25.5	Joint	Roots	3	0.008	5	8	0.008	
9			28.5	Joint	Roots	3	0.008	5	8	0.008	
10			33.3	Joint	Roots	3	0.008	5	8	0.008	
11			35.6	Joint	Roots	4	0.010	10	25	0.010	
12			40.8	Joint /Pipe deflects downwards	Roots	4	0.010	10	25	0.010	
Deflection is too steep for camera to go down / pipe may possibly bend again prior to meeting the north/south main.											
13			43.0	DS Underground Union		4	0.000	0	0	0.000	



Yale

Carport

MH 5744-844  
Depth unknown

3173

3166  
S. Yale

5744-833U  
(see Map 3)

60'

126'

Remove 186 lf of 6" Pipe  
Install 186 lf of 8" Pipe  
(from MH 5744-845  
to MH 5744-833)

MH 5744-845  
Approx MH depth = 7.7 ft

144'

3187 S.  
Davidson

3185

3181-3183  
S. Davidson

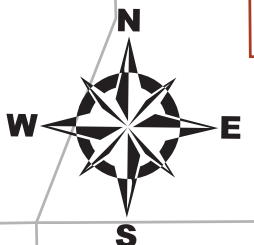
5744-832

170'

Davidson

31st Street South

Estimated 4 Service Reconnections (4")  
Estimated 20 lf Silt Fence



**MAP 6**



# Television Inspection Master Report

6/3/2009  
12:31 PM

US Structure: **5744-845**      3177 S DAVIDSON ST      Date Insp: 8/20/2008      Basin: C01A  
 DS Structure: **5744-844**      3185 S DAVIDSON AVE      Dir Televised: Downstream To Upstream

Pipe Information

Shape: Round      Project No.: I-067      Dia/Ht: 6      Material: VCP      Length: 126.0      Slope: 0.580

Obs. #	VTR Counter	Distance	Location	Description	Rating	Ratings			
						Obsrvd (gpm)	Est. (gpm)	Struct Clean	Remain (gpm)
1		0.0	DS Manhole 5744-844	AGAINST THE FLOW	1	0.000	0	0	0.000
2		0.0	Joint	Roots	4	0.010	10	25	0.010
3		18.5	South	Break-In Conn	1	0.001	0	0	0.001
			3185 SOUTH DAVIDSON	4" Break In Connection					
4		23.2	Lower Right	Broken Pipe	3	0.010	60	0	0.010
5		32.2	Crown	Broken Pipe	4	0.030	78	0	0.030
6		39.2	Crown	Crack-Radial	4	0.008	10	0	0.008
7		60.3	Crown	Broken Pipe	4	0.030	78	0	0.030
8		65.3	South	Wye Service	4	0.000	60	0	0.000
			3183 SOUTH DAVIDSON / roots & offset	4" Clay Wye Connection					
9		67.9	Crown	Broken Pipe	3	0.010	60	0	0.010
10		71.6	Upper Right	Broken Pipe	3	0.010	60	0	0.010
11		73.1	Crown	Broken Pipe	4	0.030	78	0	0.030
12		82.5	Crown	Broken Pipe	3	0.010	60	0	0.010
13		93.6	Upper Left	Prior point repair made here	2	0.000	0	0	0.000
14		96.1	North	Wye Service	1	0.000	0	0	0.000
			3173 SOUTH DAVIDSON	4" Clay Wye Connection (connected to PVC service pipe)					
15		96.1	South	Break-In Conn	4	0.008	60	0	0.008
			3181 SOUTH DAVIDSON / broken pipe	4" Break In Connection					
16		96.2	Upper Left	Broken Pipe	4	0.030	78	0	0.030
17		97.9	Upper Left	Broken Pipe	3	0.010	60	0	0.010
18		103.2	Upper Left	Crack-Horizontal	3	0.004	5	0	0.004
19		104.9	Joint	Roots	3	0.008	5	8	0.008
20		116.0	Lower Left	Broken Pipe	4	0.030	78	0	0.030
21		116.0	Joint	Roots	3	0.008	5	8	0.008
22		120.9	Joint	Roots	3	0.008	5	8	0.008
23		123.1	Joint	Roots	3	0.008	5	8	0.008
24		124.2	Upper Right	Broken Pipe	3	0.010	60	0	0.010
25		126.3	US Manhole 5744-845		1				



# Television Inspection Master Report

6/3/2009  
12:33 PM

US Structure: **5744-844**  
DS Structure: **5744-833U**

3185 S DAVIDSON AVE

Date Insp: 8/8/2008  
Dir Televised: Upstream To Downstream

Basin: C01A

Pipe Information

Shape: Round  
Dia/Ht: 6  
Length: 60.0

Length Status: TV Inspections  
Material: VCP  
Slope: 0.580

Project No. : 1-067  
Index:  
Surface:

Obs. #	VTR Counter	Distance	Location	Description	Rating	Ratings			
						Obsrvd (gpm)	Est. (gpm)	Struct Clean	Remain (gpm)
1		0.0	US Manhole 5744-844		1	0.000	0	0	0.000
2		6.9	Joint	Roots	4	0.010	10	25	0.010
3		11.8	Crown	Broken Pipe	3	0.010	60	0	0.010
4		16.4	Crown	Broken Pipe	3	0.010	60	0	0.010
5		23.2	Joint	Roots	3	0.008	5	8	0.008
6		27.0	Joint	Roots	3	0.008	5	8	0.008
7		30.3	Joint	Roots	3	0.008	5	8	0.008
8		37.1	Joint	Roots	3	0.008	5	8	0.008
9		44.3	Joint	Roots	3	0.008	5	8	0.008
10		51.8	Crown	PR Starts - Mat. Chngs to PVC	1	0.000	0	0	0.000
11		60.0	DS Structure is an Underground Union (Tee)		1	0.000	0	0	0.000

This pipe turns 90 degrees down, then bends again to get into the N/S main.