

MH 5744-873 (tree at manhole)
Remove and Replace MH Frame & Cover
Remove and Replace MH Bench & Invert
Approx MH depth = 6.2 ft

Dunham

3150-3152
S Rutan

135'

3441-3449
E Dunham

75'

Remove 186 lf of 6" Pipe
Install 186 lf of 8" Pipe

3162
3164

186'

MH 5744-872CO (cleanout)
Construct Standard Manhole
(removal of an existing cleanout
shall be subsidiary)
Depth unknown / not found

Remove 135 lf of 6" Pipe
Install 135 lf of 8" Pipe

135'

143' PVC

220' PVC

Rutan

Clifton

MH 5744-864
Approx MH depth = 6.6 ft

MH 5744-865
Approx MH depth = 6.9 ft

143' PVC

3194 S
Rutan

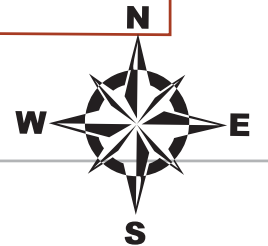
3424 E
31st St S

3187 S.
Clifton

Estimated 7 Service Reconnections (4")
Estimated 40 lf Silt Fence

31st Street South

MAP 7



Video Inspection Master Report

12/7/2012
3:20 PM

US Structure: 5744-873 **3150 S RUTAN ST** **Date Insp:** 4/7/2011 **Basin:** C01A
DS Structure: 5744-864 **3174 S RUTAN ST** **Dir Televised:** Upstream To Downstream

Pipe Information

Shape: Round	Length Status: VCP	Project No. : I-068
Dia/Ht: 6	Material:	Index:
Length: 175.0	Slope: 1.371	Surface: Rear Easement

Obs. VTR	#	Counter	Distance	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings		Remain (gpm)
									Struct	Clean	
	1		0.0		5744-873 US Manhole	1	0.000	0	0	0	0.000
	2		6.0		Roots	3	0.008	5	8	0.008	
	3		10.4		Roots	3	0.008	5	8	0.008	
	4		12.9		Roots	3	0.008	5	8	0.008	
	5		15.6		Roots	3	0.008	5	8	0.008	
	6		17.3		Roots	3	0.008	5	8	0.008	
	7		20.7		Roots	3	0.008	5	8	0.008	
	8		28.8	3150 SOUTH RUTAN	Wye Service / roots	4	0.000	60	0	0.000	
	9		55.2		Roots	3	0.008	5	8	0.008	
	10		58.0		Roots	3	0.008	5	8	0.008	
	11		60.8		Roots	3	0.008	5	8	0.008	
	12		67.6		Grease	0	0.000	0	0	0.000	
	13		161.4	3174 SOUTH RUTAN	Wye Service	2	0.000	0	0	0.000	
	14		170.9		loose tile in line	3	0.000	0	0	0.000	
	15		175.7		Roots	3	0.008	5	8	0.008	
	16		186.0		5744-864 DS Manhole	1	brick manhole				

Video Inspection Master Report

12/7/2012
3:20 PM

US Structure: 5744-872CO
DS Structure: 5744-865

3424 E 31ST ST S

Date Insp: 4/11/2011 Basin: C01A
Dir Televised: Downstream To Upstream

Pipe Information

Shape: Round
Dia/Ht: 6
Length: 135.0

Length Status:
Material: VCP
Slope: 3.037

Project No. : I-068
Index:
Surface:

Comments: CAMERA WOULD NOT GO AROUND TURN LINE NEEDS TO BE MINI CAMED IF IT HASNT ALREADY

Obs. #	VTR Counter	Distance	Location	Description	Rating	Ratings			
						Obsrvd (gpm)	Est. (gpm)	Struct Clean	Remain (gpm)
1		0.0		5744-865 DS Manhole	1	0.000	0	0	0.000
2		1.0		Roots	4	0.010	10	25	0.010
3		2.0		Other	3	0.000	0	0	0.000

NO TELEVISIONS AVAILABLE
offset, bend or some kind of deflection keeping the camera from going through the pipe.

Relocate Service Connection:
Remove or abandon approx 6 ft of 6" pipe.
The service for 3150 Rutan should be on
this 6" stub. Relocate the service to connect
it to the new 8" PVC south of the manhole.

MH 5744-873
(see Map 7)
Approx depth = 6.2 ft

MH 5744-874
Approx depth = 7.0 ft

Dunham

MH 5744-876E (capped pipe)
(no visible structure)

MH 5744-875
Approx depth = 6.5 ft

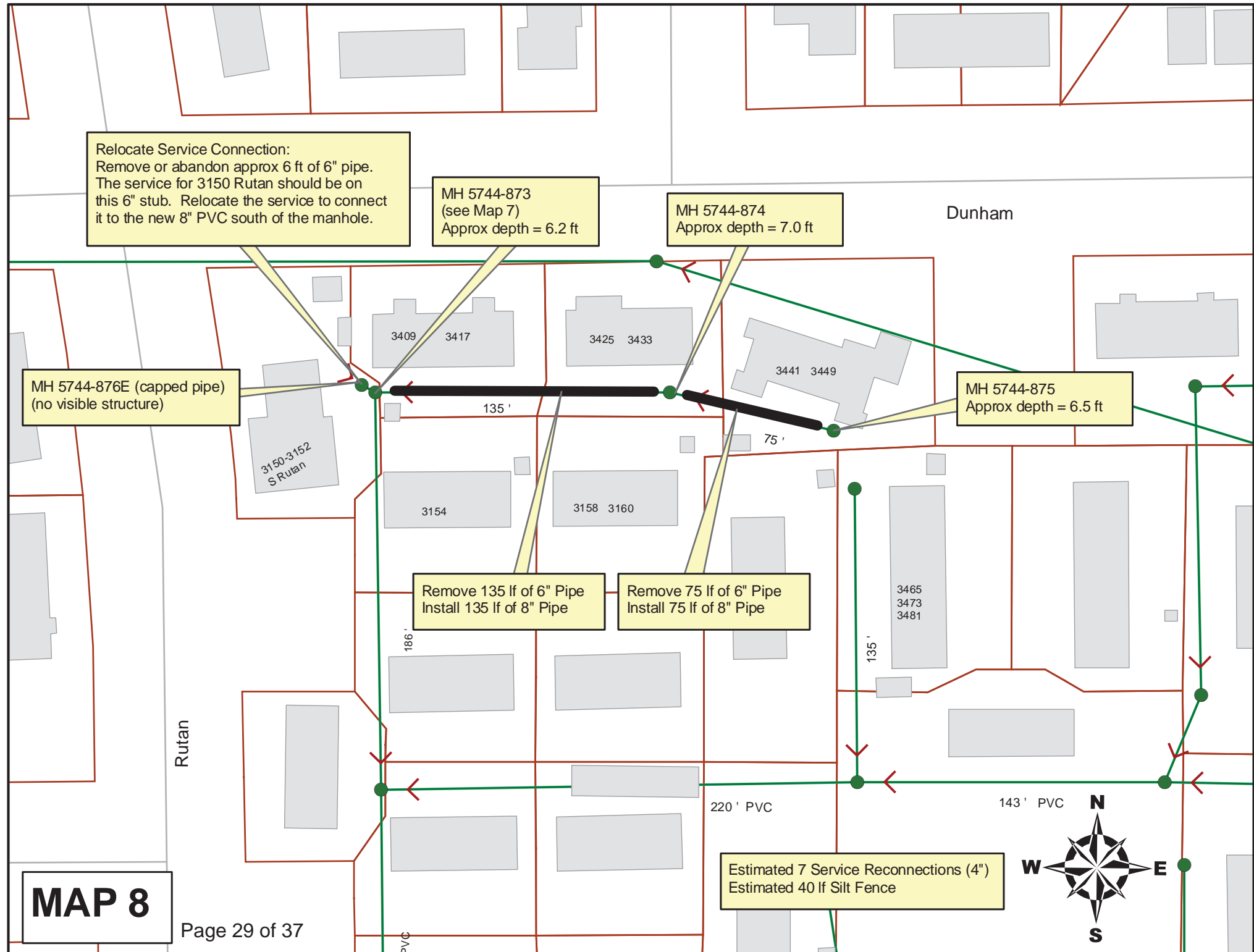
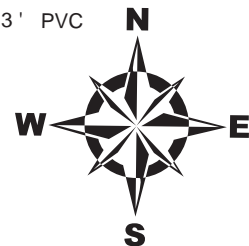
3150-3152
S Rutan

Remove 135 lf of 6" Pipe
Install 135 lf of 8" Pipe

Remove 75 lf of 6" Pipe
Install 75 lf of 8" Pipe

Estimated 7 Service Reconnections (4")
Estimated 40 lf Silt Fence

MAP 8



Video Inspection Master Report

12/7/2012
3:22 PM

US Structure: 5744-875 3441 E DUNHAM AVE Date Insp: 4/8/2011 Basin: C01A
 DS Structure: 5744-874 3425 E DUNHAM AVE Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: VCP Project No. : I-068
 Dia/Ht: 6 Material: Index:
 Length: 75.0 Slope: 2.533 DVD #0645

Obs. #	VTR Counter	Distance	Location	Description	Rating	Ratings				
						Obsrvd (gpm)	Est. (gpm)	Struct Clean	Remain (gpm)	
1		0		Upstream manhole 5744-875						
				30.0 North wye / full of roots						
				48.0 bad cracks in this area						
				59.0 high point in the pipe?						
				63.0 heavy roots at joint						
camera was stopped by roots / line had to be cleaned to continue televising:										
2		75.1		Broken Pipe / invert	3	0.010	60	0	0.010	
3		78.4	3433 EAST DUNHAM	Break-In Conn	1	0.001	0	0	0.001	
4		78.4	Inside drop	5744-874 DS Manhole	1	0.000	0	0	0.000	

Video Inspection Master Report

12/7/2012
3:22 PM

US Structure: 5744-874 3425 E DUNHAM AVE Date Insp: 4/8/2011 Basin: C01A
 DS Structure: 5744-873 3150 S RUTAN ST Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: VCP Project No. : I-068
 Dia/Ht: 6 Material: Index:
 Length: 130.0 Slope: 2.692 Surface: Rear Easement

Comments: CONDITION 4 DUE TO GREASE AND ROOTS WE REVERSED SET UP AND USED A CLEANER TO FINISH INSPECTION

Obs. #	VTR	Counter	Distance	Location	Description	Rating	Ratings			
							Obsrvd (gpm)	Est. (gpm)	Struct Clean	Remain (gpm)
1			0.0	5744-874	US Manhole	1	0.000	0	0	0.000
2			5.6		Roots	3	0.008	5	8	0.008
3			6.0		(south wye?)					
3			7.7		Roots	3	0.008	5	8	0.008
4			17.5		Roots	3	0.008	5	8	0.008
5			20.1		Roots	3	0.008	5	8	0.008
6			22.5		Roots	3	0.008	5	8	0.008
7			28.0		Roots	3	0.008	5	8	0.008
8			31.9	3425 EAST DUNHAM	Wye Service	3	0.000	2	0	0.000
9			37.5		PR Starts - Mat. Chngs to PVC	1	0.000	0	0	0.000
10			38.7	3158 SOUTH RUTAN	PVC Break-In Conn	1	0.001	0	0	0.001
11			40.4		PR Ends - Mat. Chngs back to VCP	1	0.000	0	0	0.000
12			60.9		Roots	3	0.008	5	8	0.008
13			83.5		Roots	3	0.008	5	8	0.008
14			84.6	3417 EAST DUNHAM	Wye Service	1	0.000	0	0	0.000
15			86.3	3154 SOUTH RUTAN	Wye Service	1	0.000	0	0	0.000
16			116.1	3154 SOUTH RUTAN	Wye Service	3	0.000	2	0	0.000
17			120.8	3409 EAST DUNHAM	Wye Service	3	0.000	2	0	0.000
18			135.0	3150 SOUTH RUTAN	DS Manhole	1	No trough in the manhole			
19			135.0		Broken Pipe	1				

Video Inspection Master Report

12/7/2012
3:22 PM

US Structure: 5744-876E (capped end of pipe) Date Insp: 4/11/2011 Basin: C01A
 DS Structure: 5744-873 3150 S RUTAN ST Dir Televised: Downstream To Upstream

Pipe Information

Shape: Round Length Status: TV Inspections
 Dia/Ht: 6 Material: VCP Project No. : I-068
 Length: 6.0 Slope: 0.580 Index:
 Surface:

Obs. #	VTR	Counter	Distance	Location	Description	Rating	Ratings				
							Obsrvd (gpm)	Est. (gpm)	Struct	Clean	Remain (gpm)
1			0.0	5744-873 / tv	against the flow	DS Manhole	1	0.000	0	0	0.000
2			2.0			Roots	3	0.008	5	8	0.008
The first three feet are full of roots and the pipe holds a lot of water.											
3			6.0	3150 SOUTH RUTAN?			3	0.000	0	0	0.000
You can see roots on the left side of the pipe, but you cannot see if there is a tap here. It is presumed that 3150 S. Rutan is on the six feet of pipe. That connection needs to be moved to the new 8" pipe south of MH 873.											
6.0 Capped end-of-pipe. You can see the seal-off of the 6" pipe. This little 6" stub needs to be abandoned.											