

Television Inspection Master Report

2/20/2004
3:08:42PM

US Manhole: 5547-408
DS Manhole: 5547-406

111 S HYDRAULIC
125 S HYDRAULIC AVE

Date Insp: 9/6/2001

Basin: C03A

Dir Televised: Upstream To Downstream

Pipe Information

Shape:	Round	Length Status:		Project No.:	A-451
Dia/Ht Width:	8	Material:	VCP	Index:	
Length:	148.3	Slope:	0.400	Surface:	

Inspection Information

Crew:	692	Percent Full:	10	Tape ID:	3033
Weather:	Sunny	Purpose:	TV Existing Line	Counter Start:	
Surface Cond:	N/A	Flow:	Normal Flow	Counter Stop:	
Dyed Test:	No				

Obs. #	VTR Counter Comment	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0	US Manhole 5547-408							0.000
2		3.0	East	Break-In Conn	1		0.001	0	0	0.001
3		7.0	Joint	Roots	1		0.002	1	1	0.002
4		11.0	Joint	Roots	1		0.002	1	1	0.002
5		13.0	West	Wye Service	5		0.000	400	0	0.000
6		15.0	East	Wye Service	1		0.000	0	0	0.000
	SEAL OFF									
7		16.0	Joint	Roots	1		0.002	1	1	0.002
8		18.0	Joint	Roots	1		0.002	1	1	0.002
9		21.0	Quad 3 / L-Lt	Broken Pipe	5		0.060	100	0	0.060
10		23.0	West (in crown)	Break-In Conn	1		0.001	0	0	0.001
11		24.0	Joint	Roots	1		0.002	1	1	0.002
12		26.0	Joint	Roots	1		0.002	1	1	0.002
13		28.0	West	Break-In Conn	1		0.001	0	0	0.001
14		29.0	Joint	Roots	1		0.002	1	1	0.002
15		37.0	West	Wye Service	1		0.000	0	0	0.000
	SEAL OFF									
16		38.0	Joint	Roots	1		0.002	1	1	0.002
17		40.0	East	Break-In Conn	1		0.001	0	0	0.001
18		41.0	Joint	Roots	2		0.004	2	4	0.004
19		44.0	Joint	Roots	2		0.004	2	4	0.004
20		46.0	Joint	Roots	1		0.002	1	1	0.002
21		48.0	Joint	Roots	2		0.004	2	4	0.004
22		51.0	Joint	Roots	2		0.004	2	4	0.004
23		53.0	Joint	Roots	2		0.004	2	4	0.004
24		56.0	Joint	Roots	2		0.004	2	4	0.004
25		58.0	Joint	Roots	2		0.004	2	4	0.004
26		60.0	Joint	Roots	3		0.008	5	8	0.008
27		63.0	Joint	Roots	3		0.008	5	8	0.008
28		64.0	East	Wye Service	2		0.000	0	0	0.000
29		66.0	Joint	Roots	3		0.008	5	8	0.008
30		68.0	Joint	Roots	3		0.008	5	8	0.008
31		70.0	Joint	Roots	4		0.010	10	25	0.010
32		73.0	Joint	Roots	3		0.008	5	8	0.008
33		75.0	Joint	Roots	3		0.008	5	8	0.008
34		78.0	Joint	Roots	3		0.008	5	8	0.008
35		80.0	Joint	Roots	3		0.008	5	8	0.008

NORTH OF ENGLISH (MAP 1 OF 2)

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US Manhole: 5547-408 111 S HYDRAULIC Date Insp: 9/6/2001 Basin: C03A
DS Manhole: 5547-406 125 S HYDRAULIC AVE

36	83.0	Joint	Roots	3	0.008	5	8	0.008
37	85.0	Joint	Roots	4	0.010	10	25	0.010
38	87.0	West	Wye Service	1	0.000	0	0	0.000
SEAL OFF								
39	88.0	Joint	Roots	3	0.008	5	8	0.008
40	89.0	East	Wye Service / Sealed Off	1	0.000	0	0	0.000
41	90.0	Joint	Roots	4	0.010	10	25	0.010
42	95.0	Joint	Roots	4	0.010	10	25	0.010
43	97.0	Joint	Roots	4	0.010	10	25	0.010
44	100.0	Joint	Roots	4	0.010	10	25	0.010
45	103.0	Joint	Roots	4	0.010	10	25	0.010
46	105.0	Joint	Roots	4	0.010	10	25	0.010
47	108.0	Joint	Roots	4	0.010	10	25	0.010
48	110.0	Joint	Roots	3	0.008	5	8	0.008
49	111.0	West	Wye Service / Sealed Off	2	0.000	0	0	0.000
50	114.0	East	Break-In Conn	2	0.002	0	0	0.002
51	115.0	Crown	Broken Pipe	4	0.030	78	0	0.030
52	116.0	West	Wye Service	4	0.000	60	0	0.000
53	117.0	Invert	Broken Pipe	3	0.010	60	0	0.010
54	120.0	Joint	Roots	2	0.004	2	4	0.004
55	129.0	Crown	Broken Pipe	2	0.008	44	0	0.008
56	136.0	West	Break-In Conn	3	0.004	2	0	0.004
57	142.0	Joint	Roots	1	0.002	1	1	0.002
58	148.0	DS Manhole						0.000

NORTH OF ENGLISH (MAP 1 OF 2)

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Television Inspection Master Report

2/20/2004
3:08:42PM

US Manhole: 5547-406
DS Manhole: 5547-404

125 S HYDRAULIC AVE
141 S HYDRAULIC

Date Insp: 9/6/2001

Basin: C03A

Dir Televised: Upstream To Downstream

Pipe Information

Shape:	Round	Length Status:		Project No.:	A-451
Dia/Ht Width:	8	Material:	VCP	Index:	
Length:	144.5	Slope:	0.400	Surface:	

Obs. #	VTR Counter Comment	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings		
								Struct	Clean	Remain (gpm)
1		0.0	US Manhole							0.000
2		10.0	Quad 1 / U-Rt	Crack-Horizontal	1		0.001	1	0	0.001
3		14.0	West	Wye Service / Sealed Off	1		0.000	0	0	0.000
4		16.0	East	Wye Service	1		0.000	0	0	0.000
5		34.0	Quad 2 / L-Rt	Crack-Radial	1		0.001	1	0	0.001
6		37.0	Quad 2 / L-Rt	Crack-Radial	1		0.001	1	0	0.001
7		38.0	West	Break-In Conn	2		0.002	0	0	0.002
			looks broken outside of the main							
8		41.0	East	Wye Service / Sealed	1		0.000	0	0	0.000
9		44.0	Joint	Roots	1		0.002	1	1	0.002
10		46.0	Joint	Roots	1		0.002	1	1	0.002
11		46.0	Quad 1 / U-Rt	Crack-Radial	1		0.001	1	0	0.001
12		49.0	Joint	Roots	1		0.002	1	1	0.002
13		62.0	West	Wye Service / Sealed	1		0.000	0	0	0.000
14		65.0	East	Break-In Conn	1		0.001	0	0	0.001
15		69.0	Quad 1 / U-Rt	Crack-Radial	2		0.002	2	0	0.002
16		70.0	West	Wye Service	1		0.000	0	0	0.000
17		74.0	Crown	Crack-Radial	2		0.002	2	0	0.002
18		79.0	Crown	Crack-Radial	1		0.001	1	0	0.001
19		85.0	West	Break-In Conn	4		0.008	60	0	0.008
20		86.0	Quad 4 / U-Lt	Broken Pipe	2		0.008	44	0	0.008
21		87.0	East	Wye Service / Sealed	1		0.000	0	0	0.000
22		91.0	Quad 1 / U-Rt	Crack-Radial	1		0.001	1	0	0.001
23		91.0	Quad 4 / U-Lt	Crack-Radial	1		0.001	1	0	0.001
24		96.0	Quad 1 / U-Rt	Broken Pipe	2		0.008	44	0	0.008
25		103.0	Crown	Broken Pipe	1		0.004	30	0	0.004
26		106.0	Quad 3 / L-Lt	Crack-Radial	2		0.002	2	0	0.002
27		112.0	West	Wye Service	1		0.000	0	0	0.000
28		115.0	East	Break-In Conn	1		0.001	0	0	0.001
29		118.0	Crown	Broken Pipe	3		0.010	60	0	0.010
30		125.0	Crown	Broken Pipe	2		0.008	44	0	0.008
31		133.0	Crown	Broken Pipe	3		0.010	60	0	0.010
32		135.0	Quad 4 / U-Lt	Crack-Radial	2		0.002	2	0	0.002
33		136.0	West	Wye Service	1		0.000	0	0	0.000
34		138.0	Quad 1 / U-Rt	Broken Pipe	1		0.004	30	0	0.004
35		138.0	Quad 3 / L-Lt	Broken Pipe	1		0.004	30	0	0.004
36		139.0	East	Wye Service	1		0.000	0	0	0.000
37		143.0	DS Manhole							0.000

NORTH OF ENGLISH (MAP 1 OF 2)

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Television Inspection Master Report

2/20/2004
3:08:42PM

US Manhole: 5547-404
DS Manhole: 5547-402

141 S HYDRAULIC
1605 E ENGLISH

Date Insp: 9/7/2001

Basin: C03A

Dir Televised: Upstream To Downstream

Pipe Information

Shape:	Round	Length Status:	Project No.:	A-451
Dia/Ht	Width: 8 0	Material:	VCP	Index:
Length:	196.0	Slope:	0.400	Surface:

Obs. #	VTR Counter Comment	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings		
								Struct	Clean	Remain (gpm)
1		0.0	US Manhole							0.000
2		16.0	West	Wye Service / Sealed	1		0.000	0	0	0.000
3		18.0	East	Wye Service / Sealed	1		0.000	0	0	0.000
4		40.0	West	Wye Service	1		0.000	0	0	0.000
5		43.0	East	Wye Service	1		0.000	0	0	0.000
6		45.0	West	Break-In Conn	1		0.001	0	0	0.001
7		65.0	West	Wye Service	1		0.000	0	0	0.000
8		67.0	East	Wye Service	1		0.000	0	0	0.000
9		73.0	West	Break-In Conn	1		0.001	0	0	0.001
10		75.0	East	Wye Service	1		0.000	0	0	0.000
11		76.0	Invert	Broken Pipe	5		0.060	100	0	0.060
12		86.0	East (extended tap)	Tap	3		0.000	2	0	0.000
13		92.0	West	Wye Service	1		0.000	0	0	0.000
14		95.0	East	Wye Service / Sealed	1		0.000	0	0	0.000
15		97.0	Crown	Observation Hole	1		0.000	0	0	0.000
16		140.0	Joint	P.V.C. PIPE BEGIN						
17		148.0	Joint	PVC PIPE END						
18		174.0	Crown	Broken Pipe	2		0.008	44	0	0.008
19		182.0	East	Break-In Conn	1		0.001	0	0	0.001
20		192.0	DS Manhole							0.000

NOTE: The PVC repair from 140' to 148' appears to go through a storm water sewer manhole in English Street. Contractor may use the existing PVC if it is at proper grade.

CROSSING ENGLISH (MAP 1 OF 2)

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Television Inspection Master Report

2/20/2004
3:08:42PM

US Manhole: 5547-402
DS Manhole: 5547-399

1605 E ENGLISH
231 S HYDRAULIC

Date Insp: 9/7/2001

Basin: C03A

Dir Televised: Upstream To Downstream

Pipe Information

Shape:	Round	Length Status:	Project No.:	A-451
Dia/Ht	Width: 8 0	Material:	VCP	Index:
Length:	304.5	Slope:	0.400	Surface:
Pipe Sec Length:	Comment:			

Obs. #	VTR Counter	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0	US Manhole							0.000
2		3.0	Crown	Broken Pipe	1		0.004	30	0	0.004
3		7.0	Quad 1 / U-Rt	Crack-Radial	2		0.002	2	0	0.002
4		11.0	West	Wye Service / Sealed	2		0.000	0	0	0.000
5		13.0	East	Wye Service / Sealed	1		0.000	0	0	0.000
6		14.0	Quad 1 / U-Rt	Broken Pipe	2		0.008	44	0	0.008
7		15.0	West	Break-In Conn	5		0.010	400	0	0.010
looks like service line has a hole punched in it approx. 1 ft. outside of the main										
8		23.0	Quad 2 / L-Rt	Broken Pipe	2		0.008	44	0	0.008
9		29.0	Crown	Crack-Horizontal	1		0.001	1	0	0.001
10		32.0	Quad 1 / U-Rt	Broken Pipe	1		0.004	30	0	0.004
11		35.0	West	Wye Service / Sealed	1		0.000	0	0	0.000
12		38.0	East	Wye Service	1		0.000	0	0	0.000
13		46.0	Quad 1 / U-Rt	Crack-Horizontal	1		0.001	1	0	0.001
14		54.0	Crown	Crack-Radial	2		0.002	2	0	0.002
15		54.0	Invert	Crack-Radial	2		0.002	2	0	0.002
16		60.0	West	Break-In Conn	1		0.001	0	0	0.001
17		61.0	Quad 3 / L-Lt	Broken Pipe	2		0.008	44	0	0.008
18		63.0	East	Wye Service / Sealed	1		0.000	0	0	0.000
19		64.0	Quad 2 / L-Rt	Broken Pipe	2		0.008	44	0	0.008
20		66.0	Crown	Crack-Radial	1		0.001	1	0	0.001
21		71.0	Quad 1 / U-Rt	Crack-Horizontal	1		0.001	1	0	0.001
22		73.0	Quad 1 / U-Rt	Broken Pipe	2		0.008	44	0	0.008
23		79.0	Invert	Broken Pipe	2		0.008	44	0	0.008
24		81.0	Crown	Broken Pipe	2		0.008	44	0	0.008
25		84.0	Quad 4 / U-Lt	Crack-Horizontal	1		0.001	1	0	0.001
26		85.0	West	Wye Service / Sealed	2		0.000	0	0	0.000
27		87.0	East	Wye Service / Sealed	1		0.000	0	0	0.000
28		91.0	Quad 1 / U-Rt	Crack-Horizontal	2		0.002	2	0	0.002
29		101.0	Crown	Broken Pipe	1		0.004	30	0	0.004
30		107.0	Crown	Observation Hole	1		0.000	0	0	0.000
31		110.0	West	Wye Service / Sealed	1		0.000	0	0	0.000
32		111.0	Crown	Broken Pipe	2		0.008	44	0	0.008
33		112.0	East	Break-In Conn	1		0.001	0	0	0.001
34		113.0	Quad 1 / U-Rt	Crack-Radial	2		0.002	2	0	0.002
35		123.0	Crown	Broken Pipe	2		0.008	44	0	0.008
36		125.0	Quad 4 / U-Lt	Crack-Radial	3		0.004	5	0	0.004
37		130.0	Quad 1 / U-Rt	Broken Pipe	2		0.008	44	0	0.008
38		132.0	West	Break-In Conn	1		0.001	0	0	0.001
39		133.0	Quad 1 / U-Rt	Broken Pipe	3		0.010	60	0	0.010
40		134.0	West	Wye Service	1		0.000	0	0	0.000
41		135.0	Quad 1 / U-Rt	Crack-Radial	1		0.001	1	0	0.001

SOUTH OF ENGLISH (MAP 2 OF 2)

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Television Inspection Master Report

2/20/2004
3:08:42PM

US Manhole:	5547-402	1605 E ENGLISH	Date Insp:	9/7/2001	Basin:	C03A		
DS Manhole:	5547-399	231 S HYDRAULIC						
42	137.0	East	Wye Service / Sealed	1	0.000	0	0	0.000
43	140.0	Crown	Broken Pipe	3	0.010	60	0	0.010
44	145.0	Quad 1 / U-Rt	Broken Pipe	5	0.060	100	0	0.060
45	148.0	Crown	Broken Pipe	3	0.010	60	0	0.010
46	150.0	Quad 2 / L-Rt	Broken Pipe	4	0.030	78	0	0.030
47	159.0	West	Wye Service / Sealed	1	0.000	0	0	0.000
48	160.0	Quad 3 / L-Lt	Broken Pipe	5	0.060	100	0	0.060
			there is a brick sticking into the line / hole in the pipe					
49	161.0	East	Break-In Conn	2	0.002	0	0	0.002
50	163.0	Crown	Broken Pipe	3	0.010	60	0	0.010
51	165.0	Crown	Broken Pipe	2	0.008	44	0	0.008
52	167.0	Crown	Broken Pipe	1	0.004	30	0	0.004
53	170.0	Crown	Broken Pipe	5	0.060	100	0	0.060
54	172.0	Crown	Broken Pipe	1	0.004	30	0	0.004
55	172.0	Invert	Broken Pipe	3	0.010	60	0	0.010
56	180.0	Crown	Broken Pipe	2	0.008	44	0	0.008
57	184.0	West	Wye Service / Sealed	1	0.000	0	0	0.000
58	186.0	East	Wye Service / Sealed	1	0.000	0	0	0.000
59	187.0	Crown	Broken Pipe	5	0.060	100	0	0.060
60	189.0	Crown	Broken Pipe	4	0.030	78	0	0.030
61	204.0	Crown	Broken Pipe	4	0.030	78	0	0.030
62	206.0	West	Break-In Conn	4	0.008	60	0	0.008
			this is either just an observation hole or a service connection that is using an observation hole					
63	208.0	West	Break-In Conn	5	0.010	400	0	0.010
64	211.0	East	Wye Service / Sealed	1	0.000	0	0	0.000
65	217.0	Quad 1 / U-Rt	Broken Pipe	2	0.008	44	0	0.008
66	219.0	Quad 1 / U-Rt	Crack-Radial	2	0.002	2	0	0.002
67	222.0	Crown	Broken Pipe	2	0.008	44	0	0.008
68	224.0	Quad 1 / U-Rt	Crack-Radial	2	0.002	2	0	0.002
69	233.0	West	Wye Service / Sealed Off	1	0.000	0	0	0.000
70	236.0	East	Break-In Conn	1	0.001	0	0	0.001
71	237.0	Crown	Broken Pipe	2	0.008	44	0	0.008
72	237.0	Crown	Broken Pipe	2	0.008	44	0	0.008
73	237.0	Invert	Broken Pipe	3	0.010	60	0	0.010
74	241.0	Crown	Broken Pipe	3	0.010	60	0	0.010
75	244.0	Crown	Broken Pipe	3	0.010	60	0	0.010
76	244.0	Invert	Broken Pipe	3	0.010	60	0	0.010
77	249.0	Quad 1 / U-Rt	Crack-Horizontal	2	0.002	2	0	0.002
78	252.0	Crown	Broken Pipe	2	0.008	44	0	0.008
79	258.0	West	Wye Service	1	0.000	0	0	0.000
80	259.0	Crown	Broken Pipe	2	0.008	44	0	0.008
81	260.0	East	Wye Service	1	0.000	0	0	0.000
			SEAL OFF					
82	261.0	Crown	Broken Pipe	2	0.008	44	0	0.008
83	261.0	Invert	Broken Pipe	3	0.010	60	0	0.010
84	264.0	Quad 3 / L-Lt	Broken Pipe	3	0.010	60	0	0.010
85	266.0	Invert	Broken Pipe	4	0.030	78	0	0.030
86	267.0	East	Break-In Conn	4	0.008	60	0	0.008
87	283.0	West	Wye Service	1	0.000	0	0	0.000
88	285.0	East	Wye Service	1	0.000	0	0	0.000
			SEAL OFF					
89	305.0	DS Manhole						

Television Inspection Master Report

2/20/2004
3:08:42PM

US Manhole: 5547-399
DS Manhole: 5547-375

Date Insp: 9/7/2001 Basin:
Dir Televised: Upstream To Downstream

Pipe Information

Shape:	Length Status:	Project No.:	A-451
Dia/Ht Width:	Material:	Index:	
Length:	Slope:	Surface:	

Obs. #	VTR Counter Comment	Dist	Location	Description	Rating	Obsrvd (gpm)	Est. (gpm)	Ratings Struct	Clean	Remain (gpm)
1		0.0	US Manhole							0.000
2		3.0	Quad 1 / U-Rt	Broken Pipe	3		0.010	60	0	0.010
3		4.0	West	Wye Service	1		0.000	0	0	0.000
	SEAL OFF									
4		5.0	Quad 4 / U-Lt	Broken Pipe	5		0.060	100	0	0.060
5		6.0	East	Wye Service	1		0.000	0	0	0.000
6		8.0	Quad 4 / U-Lt	Broken Pipe	5		0.060	100	0	0.060
7		15.0	Crown	Broken Pipe	5		0.060	100	0	0.060
8		28.0	West	Break-In Conn	1		0.001	0	0	0.001
9		31.0	East	Wye Service	2		0.000	0	0	0.000
	SEAL OFF									
10		32.0	Quad 2 / L-Rt	Broken Pipe	2		0.008	44	0	0.008
11		35.0	Quad 1 / U-Rt	Broken Pipe	3		0.010	60	0	0.010
12		35.0	Quad 3 / L-Lt	Broken Pipe	3		0.010	60	0	0.010
13		37.0	Invert	Broken Pipe	2		0.008	44	0	0.008
14		37.0	Quad 4 / U-Lt	Broken Pipe	2		0.008	44	0	0.008
15		40.0	Quad 3 / L-Lt	Crack-Horizontal	2		0.002	2	0	0.002
16		43.0	East	Break-In Conn	1		0.001	0	0	0.001
17		45.0	Quad 4 / U-Lt	Broken Pipe	2		0.008	44	0	0.008
18		49.0	Crown	Broken Pipe	3		0.010	60	0	0.010
19		51.0	Crown	Observation Hole						
20		54.0	West	Wye Service	2		0.000	0	0	0.000
21		55.0	Quad 2 / L-Rt	Broken Pipe	5		0.060	100	0	0.060
22		56.0	East	Wye Service	3		0.000	2	0	0.000
23		62.0	Crown	Broken Pipe	2		0.008	44	0	0.008
24		63.0	East	Break-In Conn	5		0.010	400	0	0.010
25		64.0	Crown	Crack-Radial	2		0.002	2	0	0.002
26		69.0	Quad 1 / U-Rt	Broken Pipe	5		0.060	100	0	0.060
27		78.0	West	Wye Service / Sealed	2		0.000	0	0	0.000
28		79.0	Crown	Broken Pipe	3		0.010	60	0	0.010
29		81.0	East	Wye Service	1		0.000	0	0	0.000
	SEAL OFF									
30		99.0	Crown	Broken Pipe	2		0.008	44	0	0.008
31		103.0	West	Wye Service	1		0.000	0	0	0.000
32		104.0	Crown	Broken Pipe	3		0.010	60	0	0.010
33		106.0	East	Wye Service	3		0.000	2	0	0.000
34		107.0	Quad 1 / U-Rt	Crack-Horizontal	2		0.002	2	0	0.002
35		109.0	Invert	Broken Pipe	3		0.010	60	0	0.010
36		112.0	Crown	Broken Pipe	3		0.010	60	0	0.010
37		118.0	East	Break-In Conn	1		0.001	0	0	0.001
38		119.0	Crown	Broken Pipe	5		0.060	100	0	0.060
39		124.0	Quad 4 / U-Lt	Broken Pipe	2		0.008	44	0	0.008

SOUTH OF ENGLISH (MAP 2 OF 2)

1-10

Television Inspection Master Report

2/20/2004
3:08:42PM

US Manhole: 5547-399
DS Manhole: 5547-375

Date Insp: 9/7/2001 Basin:
Dir Televised: Upstream To Downstream

40	128.0	West	Wye Service	1	0.000	0	0	0.000
	SEAL OFF							
41	130.0	East	Wye Service	1	0.000	0	0	0.000
	SEAL OFF							
42	132.0	West	Break-In Conn	1	0.001	0	0	0.001
	SEAL OFF							
43	134.0	Crown	Crack-Horizontal	2	0.002	2	0	0.002
44	141.0	Quad 3 / L-Lt	Broken Pipe	3	0.010	60	0	0.010
45	144.0	Crown	Broken Pipe	2	0.008	44	0	0.008
46	148.0	Crown	Broken Pipe	4	0.030	78	0	0.030
47	151.0	Quad 1 / U-Rt	Broken Pipe	5	0.060	100	0	0.060
48	152.0	West	Wye Service	1	0.000	0	0	0.000
49	155.0	West	Wye Service	1	0.000	0	0	0.000
	SEAL OFF							
50	157.0	Crown	Observation Hole					
51	171.0	Quad 2 / L-Rt	Broken Pipe	4	0.030	78	0	0.030
52	177.0	West	Wye Service / Sealed	1	0.000	0	0	0.000
53	178.0	Crown	Broken Pipe	3	0.010	60	0	0.010
54	180.0	East	Wye Service	2	0.000	0	0	0.000
55	181.0	Crown	Broken Pipe	4	0.030	78	0	0.030
56	191.0	Crown	Broken Pipe	3	0.010	60	0	0.010
57	193.0	Crown	Broken Pipe	4	0.030	78	0	0.030
58	196.0	Crown	Broken Pipe	2	0.008	44	0	0.008
59	198.0	Crown	Broken Pipe	2	0.008	44	0	0.008
60	198.0	Invert	Broken Pipe	2	0.008	44	0	0.008
61	200.0	Crown	Broken Pipe	2	0.008	44	0	0.008
62	202.0	West	Wye Service	1	0.000	0	0	0.000
63	203.0	Quad 3 / L-Lt	Broken Pipe	4	0.030	78	0	0.030
64	204.0	East	Wye Service	2	0.000	0	0	0.000
65	206.0	Crown	Broken Pipe	2	0.008	44	0	0.008
66	209.0	Crown	Broken Pipe	2	0.008	44	0	0.008
67	213.0	Crown	Broken Pipe	3	0.010	60	0	0.010
68	213.0	Invert	Broken Pipe	2	0.008	44	0	0.008
69	227.0	West	Wye Service	1	0.000	0	0	0.000
	SEAL OFF							
70	230.0	East	Wye Service	1	0.000	0	0	0.000
	SEAL OFF							
71	231.0	Quad 2 / L-Rt	Broken Pipe	3	0.010	60	0	0.010
72	245.0	Crown	Broken Pipe	2	0.008	44	0	0.008
73	249.0	DS Manhole / Inside Drop / Need to construct an outside drop on this line						0.000

SOUTH OF ENGLISH (MAP 2 OF 2)

1-11



Standing north of MH 5547-408, looking south.

Pipe is more toward the center of the alley south of here.



Standing south of MH 5547-404, looking north.



Standing south of MH 402, looking north (across English Street)



Standing in Waterman, looking north.

NOTE: The alley north of Waterman has approx. 50 lf of asphalt in very poor condition. Contractor will be required to use flowable fill and restore asphalt per standard city specs.