

SITE 3
Map 1 of 2

Remove 623 lf of 15" Pipe
Install 623 lf of 15" Pipe
From MH 5348-001 to MH 5448-431

Estimated 5 Service Reconnections (4")

See next page for pavement related items.

The water meter for 803 N. Gilman is over the sewer line. Contractor shall support and/or reset the meter, or temporarily relocate the meter as necessary for construction. Cost subsidiary.

There is a 2" cast iron water main in Gilman, located 24' east of the west property line of Gilman.

MH 5448-444
Remove Manhole
Construct Standard Manhole (4') (Lined)
Approx MH depth = 7.1 ft

MH 5448-433
Remove Manhole
Construct Standard Manhole (4') (Lined)
Approx MH depth = 8.2 ft

MH 5448-432
Remove Manhole
Construct Standard Manhole (4') (Lined)
Approx MH depth = 6.7 ft

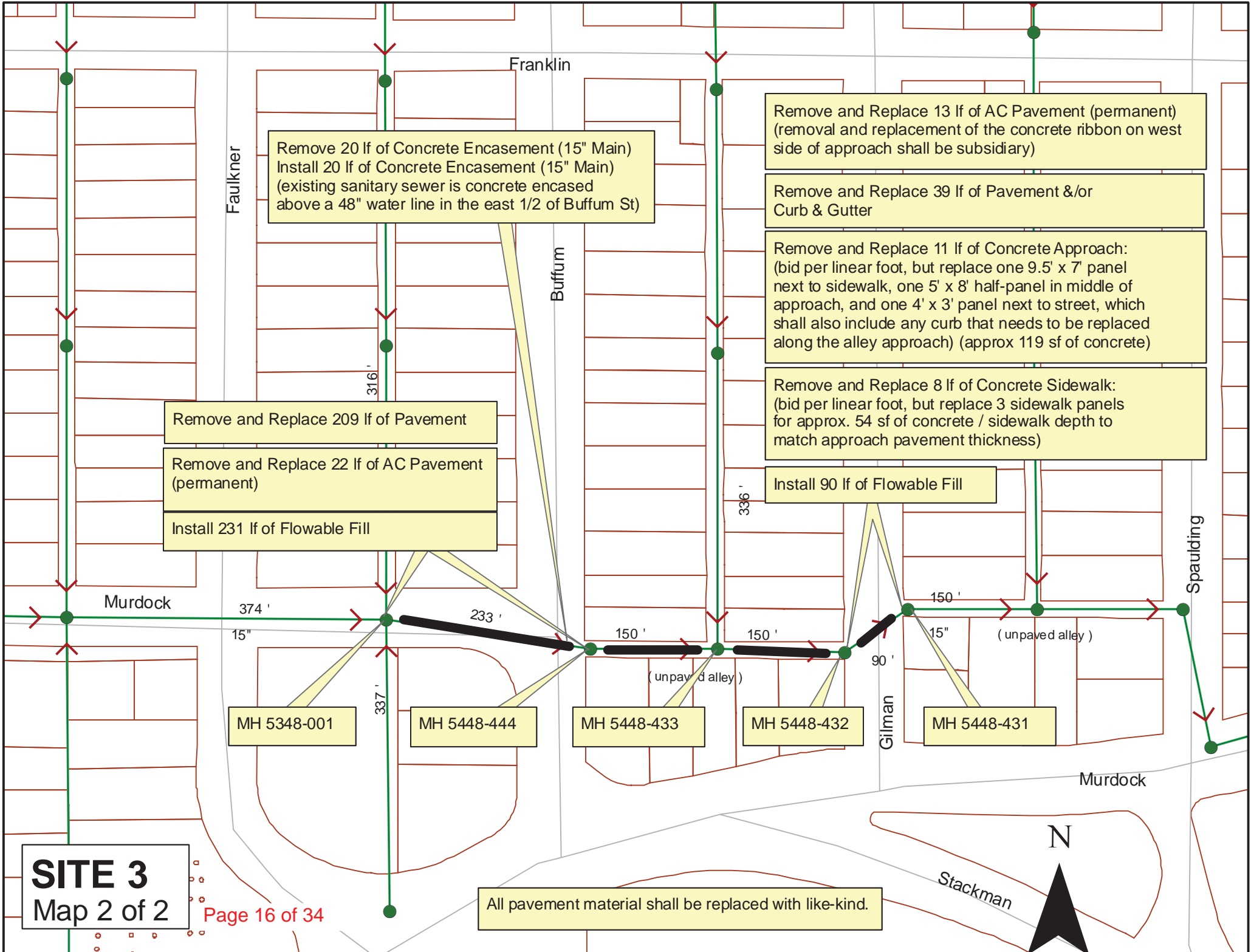
MH 5448-431
Remove Manhole
Construct Standard Manhole (4') (Lined)
Approx MH depth = 6.7 ft

MH 5348-001
Approx MH depth = 8.2 ft

Manholes shall be sealed with an approved lining product.

Estimated 1 Curb Inlet Protection
Estimated 16 sy Erosion Control Mat
Estimated 20 lf Back of Curb Protection





Remove 20 lf of Concrete Encasement (15" Main)
 Install 20 lf of Concrete Encasement (15" Main)
 (existing sanitary sewer is concrete encased
 above a 48" water line in the east 1/2 of Buffum St)

Remove and Replace 209 lf of Pavement
 Remove and Replace 22 lf of AC Pavement
 (permanent)
 Install 231 lf of Flowable Fill

Remove and Replace 13 lf of AC Pavement (permanent)
 (removal and replacement of the concrete ribbon on west
 side of approach shall be subsidiary)

Remove and Replace 39 lf of Pavement &/or
 Curb & Gutter

Remove and Replace 11 lf of Concrete Approach:
 (bid per linear foot, but replace one 9.5' x 7' panel
 next to sidewalk, one 5' x 8' half-panel in middle of
 approach, and one 4' x 3' panel next to street, which
 shall also include any curb that needs to be replaced
 along the alley approach) (approx 119 sf of concrete)

Remove and Replace 8 lf of Concrete Sidewalk:
 (bid per linear foot, but replace 3 sidewalk panels
 for approx. 54 sf of concrete / sidewalk depth to
 match approach pavement thickness)

Install 90 lf of Flowable Fill

MH 5348-001

MH 5448-444

MH 5448-433

MH 5448-432

MH 5448-431

SITE 3
 Map 2 of 2

All pavement material shall be replaced with like-kind.





Little Arkansas River

W MURDOCK AVE

N BUFFUM AVE

N GILMAN AVE

W MURDOCK AVE

W STACKMAN DR

001

251

444

433

432

431

430

801

806

803

802

Video Inspection Master Report

7/3/2012
10:19 AM

US Structure: 5348-001 **1312 W MURDOCK ST** **Date Insp:** 6/22/2010 **Basin:** C03E
DS Structure: 5448-444 **806 N BUFUM ST** **Dir Televised:** Upstream To Downstream

Pipe Information

Dia/Ht: 15 **Material:** VCP **Length:** 237.0 **Slope:** 0.150

Obs. #	VTR	Counter	Distance	Location	Description	Rating	Ratings						
							Obsrvd (gpm)	Est. (gpm)	Struct Clean	Remain (gpm)			
1			0.0		5348-001 US Manhole	1							
2			1.0		Sag	5	0.000	25	0	0.000			
3			2.6		Sag	1	0.000	1	0	0.000			
4			11.8		Sag	3	0.000	5	0	0.000			
5			33.6		Sag	1	0.000	1	0	0.000			
6			36.1		Sag	3	0.000	5	0	0.000			
7			43.8		Sag	1	0.000	1	0	0.000			
8			70.5		Sag	3	0.000	5	0	0.000			
9			131.1		Broken Pipe	5	0.060	100	0	0.060			
10			137.7		Sag	2	0.000	2	0	0.000			
11			138.4		Sag	3	0.000	5	0	0.000			
12			142.4		Sag	1	0.000	1	0	0.000			
13			143.3		Crack-Horizontal	2	0.002	2	0	0.002			
14			146.3		Sag	3	0.000	5	0	0.000			
15			148.2		Sag	2	0.000	2	0	0.000			
16			150.7		Sag	2	0.000	2	0	0.000			
17			210.7		Sag	1	0.000	1	0	0.000			
18			231.7		5448-444 DS Manhole	4	0.000	0	0	0.000			

Sewer line crosses a 48" pssc water line. (sewer is above the water line) The sewer is concrete encased at this crossing.



Television Inspection Master Report

11/8/2010
8:06 AM

US Structure: **5448-444**
DS Structure: **5448-433**

806 N BUFFUM ST
1214 W MURDOCK ST

Date Insp: 6/22/2010
Dir Televised: Upstream To Downstream

Basin: **C03E**

Pipe Information

Shape: Round
Dia/Ht: 15
Length: 148.6

Length Status: VCP
Material: VCP
Slope: 0.001

Project No. : B-215
Index:
Surface:

Inspection Information

Crew: 690

Percent Full:

Tape ID: **DVD #0585**

Comments: CAMERA UNDER WATER FROM MANHOLE TO MANHOLE. LINE HAS LOTS OF FLOW.

Obs. #	VTR Counter	VTR Distance	VTR Location	Description	Rating	Ratings				
						Obsrvd (gpm)	Est. (gpm)	Struct	Clean	Remain (gpm)
1		0.0		US Manhole	1	0.000	0.000	0	0	0.000
2		24.4		Sag	3	0.000	0.000	5	0	0.000
3		151.2		DS Manhole	4	0.000	0.000	0	0	0.000

No taps were visible from televising.

Per OCI records, the taps should be located as follows:

- 1226 W Murdock @ 58' E of MH 5448-444
- 1218/1220 W. Murdock @ 83' E of MH 5448-444



Television Inspection Master Report

11/8/2010
8:06 AM

US Structure: **5448-433**
DS Structure: **5448-432**

1214 W MURDOCK ST
803 N GILMAN ST

Date Insp: 6/22/2010
Dir Televised: Upstream To Downstream

Basin: C03E

Pipe Information

Shape: Round
Dia/Ht: 15
Length: 149.4

Length Status: VCP
Material: VCP
Slope: 0.150

Project No. : B-215
Index:

Surface:

Inspection Information

Crew: 690

Percent Full:

Tape ID:

DVD #0585

Comments: CAMERA UNDER WATER FROM MANHOLE TO MANHOLE.

Obs. #	VTR Counter	Distance	Location	Description	Rating	Ratings			
						Obsrvd (gpm)	Est. (gpm)	Struct	Clean
1		0.0		US Manhole	3	0.000	0	0	0.000
2		150.3		DS Manhole Camera is still under water in this manhole	4	0.000	0	0	0.000

No taps were visible from televising.

Per OCI records, the taps should be located as follows:

- 1214/1216 W. Murdock @ 16' E of MH 5448-433
- 1210/1212 W. Murdock @ 67' E of MH 5448-433
- 801 N Gilman @ 118' E of MH 5448-433 (this should be a PVC tap)



Television Inspection Master Report

11/8/2010
8:06 AM

US Structure: **5448-432** 803 N GILMAN ST Date Insp: 6/22/2010 Basin: **C03E**
 DS Structure: **5448-431** 802 N GILMAN ST Dir Televised: Upstream To Downstream

Pipe Information

Shape: Round Length Status: Project No. : B-214
 Dia/Ht: 15 Material: VCP Index:
 Length: 90.0 Slope: 0.150

Inspection Information

Crew: 690 Percent Full: Tape ID: **DVD #0585**

Comments: CAMERA UNDER WATER MOST OF THE WAY

Obs. #	VTR	Counter	Distance	Location	Description	Rating	Ratings			
							Obsrvd (gpm)	Est. (gpm)	Struct	Clean
1			0.0		5448-432 US Manhole Camera starts out under water in the manhole.	3	0.000	0	0	0.000
2			58.2		Sag ends / first visible look at the pipe	2	0.000	0	0	0.000
3			63.8		Sag begins (camera is back under water)	4	0.000	10	0	0.000
4			69.3		Sag ends	1	0.000	1	0	0.000
5			89.1		5448-431 DS Manhole	3	0.000	0	0	0.000