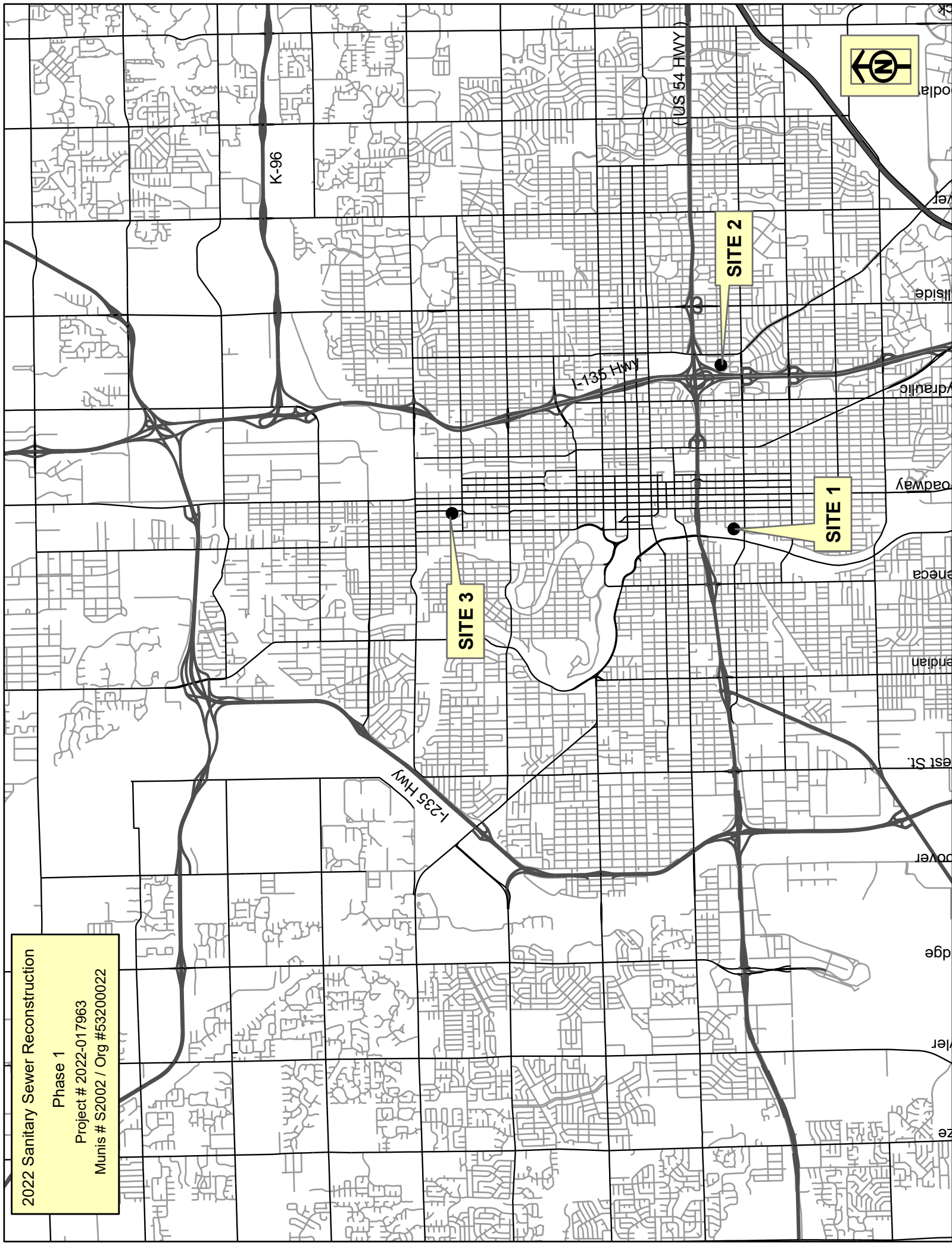


2022 Sanitary Sewer Reconstruction

Phase 1

Project # 2022-017963

Munis # S2002 / Org #53200022



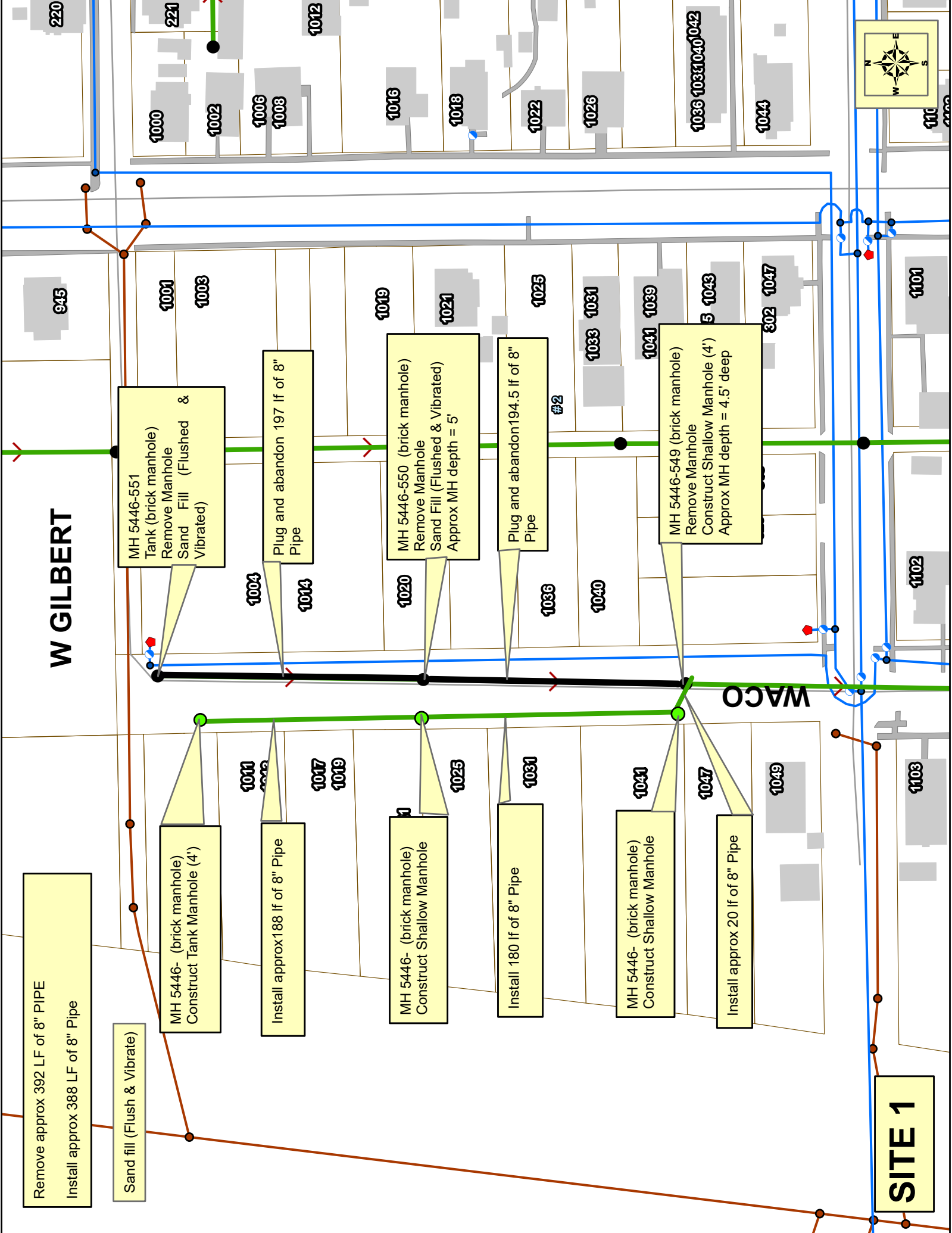
Bid Items by Site Reference						
	Site 1	Site 2	Site 3	Site 4	Totals	
Waco						
Lump Sum Items:						
Site Clearing	1.00	1.00	1.00		1.00	LS
Site Restoration	1.00	1.00	1.00		1.00	LS
Measured Quantity Items:						
Pipe, SS 8"	388.00	192.00	1,259.00		1,839.00	lf
Pipe Removed (6" or 8")		192.00	1,259.00		1,451.00	lf
MH Removed	3.00		3.00		3.00	ea
MH, Shallow, SS (4')	4.00		3.00		7.00	ea
MH Frame & Cover Replaced		1.00			1.00	ea
MH Cone/Stack Replaced (various heights / brick manholes)		1.00			1.00	ea
Concrete Encasement 8", Reinforced			20.00		20.00	lf
Concrete Pavement Removed & Replaced			10.00		10.00	lf
Concrete approach rem & repl (incl gutter & wheel chair ramp)			49.00		49.00	sy
Pvmt Removed & Replaced (rem & restore w/ brick)			26.00		26.00	lf
Fill, Flowable			96.00		96.00	lf
Sand Fill (Flush & Vibrate	15.00				15.00	lf
Service Reconnection, Sewer (4")		8.00	35.00		43.00	ea
Service Reconnection, Sewer (6")	1.00	1.00	1.00		1.00	ea
BMP, Back of Curb Protection	1.00	1.00	1.00		40.00	lf
BMP, Erosion Control Mat	1.00	1.00	1.00		100.00	sy

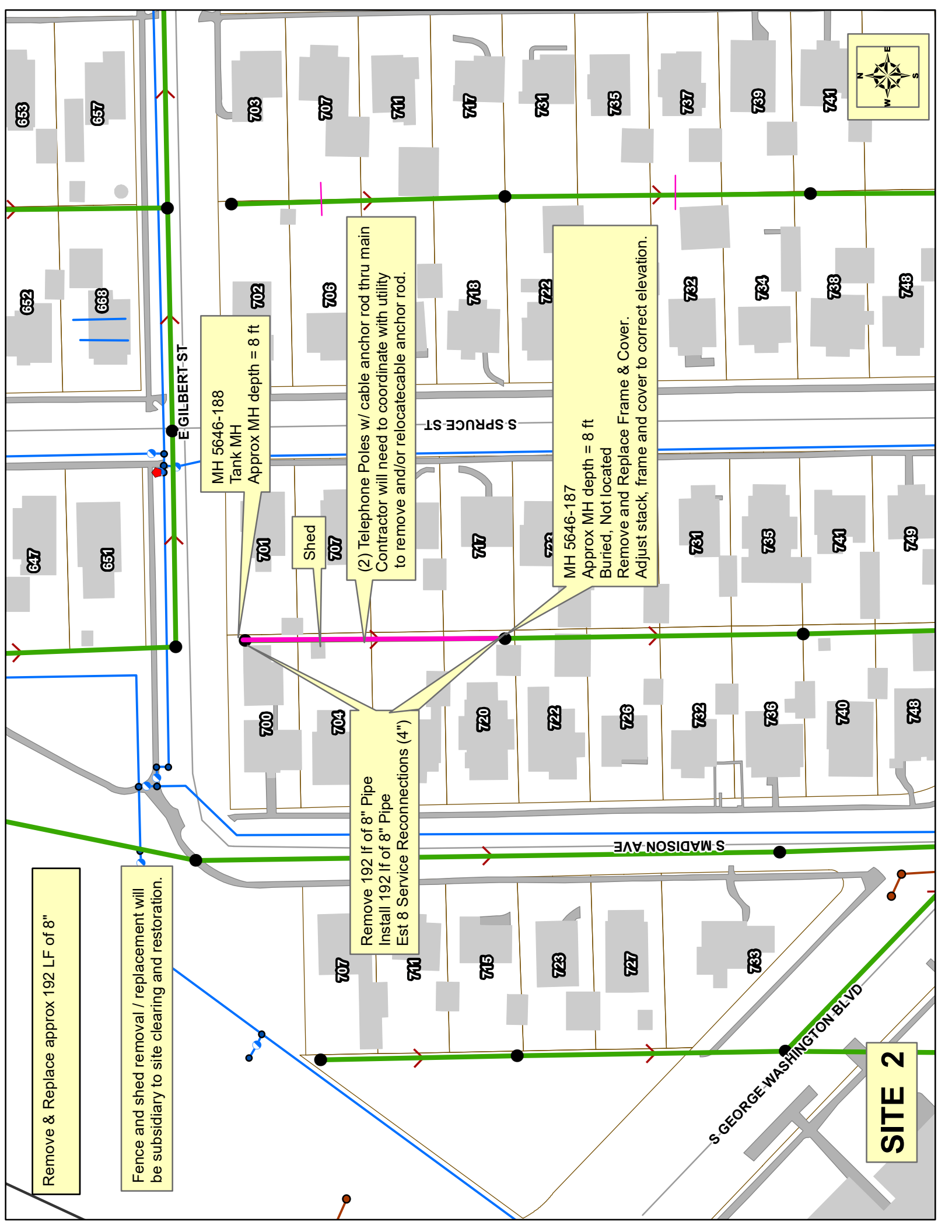
Service Reconnection, Sewer (6"): This bid item is included to establish a unit price in case a 6" service is necessary.

BMP Details and Standard Specifications may be found at <http://www.wichita.gov/PWU/Pages/Regulations.aspx>.

BMPs are included to establish a unit price and will be used as required by the Engineer or Inspector and paid accordingly.

2022 Sanitary Sewer Reconstruction Phase 1				Project # 468-2022-017963 / MUNIS #2002				
<u>SITE NO.</u>	<u>GENERAL LOCATION</u>	<u>PIPE SIZE</u>	<u>UPSTREAM MANHOLE</u>	<u>DOWNSTREAM MANHOLE</u>	<u>US MH ELEVATION</u>	<u>DS MH ELEVATION</u>	<u>PIPE LENGTH</u>	
1	In Street on S Waco, W Gilbert to W Morris Book/Page D 124a)	8" 8"	5446-551 5446-550	5446-550 5446-549	1295.8 1296.2	1296.2 1296.33	197 195	
2	In rear easement,S of E Gilbert, Between S Madison & S Spruce	8"	5646-188	5646-187	1292.1	1292.41	191	
3	In alley, S of W 19th St N, between N Wellington Pl & N Park Pl, to W 17th St N	8" 8" 8" 8"	5449-545 5449-542 5449-539 5449-536	5449-542 5449-539 5449-536 5449-533	1310.84 1312.85 1313.25 1313.63	1312.85 1313.25 1313.63 N/A	318 329 320 293	
Total linear feet of pipe for this project =							1841	



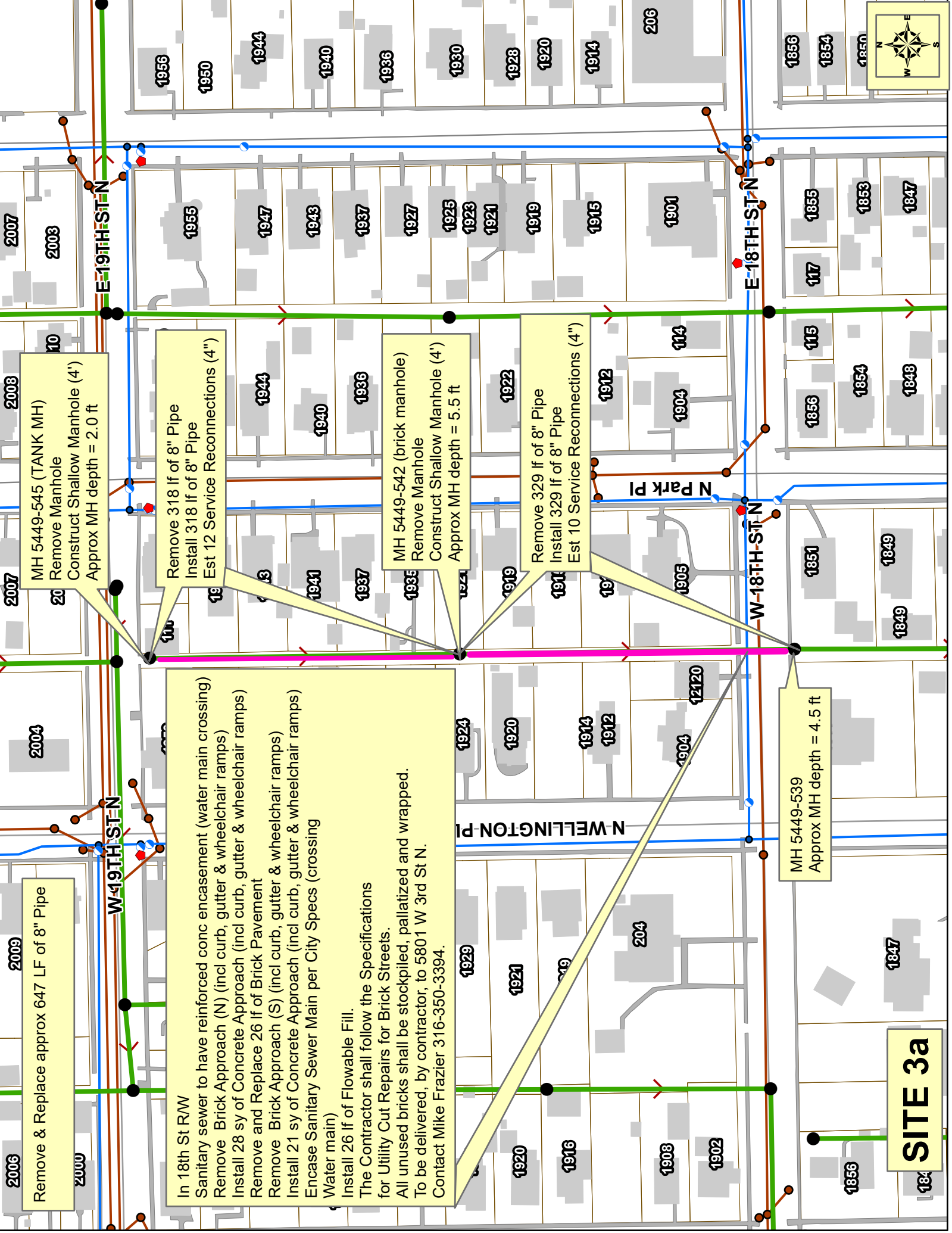


Sewer CCTV Observations

12/15/2021

10:52 AM

Alt Pipe ID: 25268			Inspected Date: 6/25/2021			Survey Direction: Downstream				
Distance:	CCTV Defect :		Clock 1:	Clock 2:	%	Contin:	Doc:	Struct:	O&M:	Remarks:
0.00	AMH	Manhole					False	0	0	4646-188
0.00	MWL	Miscellaneous Water Level			5		False	0	0	
5.20	TFC	Tap Factory Capped	2				False	0	0	
6.30	CL	Crack Longitudinal	12				False	2	0	
7.70	TFC	Tap Factory Capped	11				False	0	0	
12.80	CC	Crack Circumferential	8	10			False	1	0	
18.40	RMJ	Roots Medium Joint	4	8	30		False	0	3	
22.00	RMJ	Roots Medium Joint	4	8	25		False	0	3	
23.70	RMJ	Roots Medium Joint	4	8	25		False	0	3	
25.50	TFC	Tap Factory Capped	2				False	0	0	
27.70	RBL	Roots Ball Lateral	10		95		False	0	4	
27.70	TFA	Tap Factory Activity	10				False	0	0	701 S SPRUCE ST.
33.50	TBA	Tap Break-in Activity	3				False	0	0	700 S MADISON AVE.
37.30	RML	Roots Medium Lateral	4	8	25		False	0	3	
48.50	TFC	Tap Factory Capped	2				False	0	0	
49.50	RMJ	Roots Medium Joint	3	9	25		False	0	3	
63.30	RMJ	Roots Medium Joint	3	9	25		False	0	3	
74.00	TFD	Tap Factory Defective	2				False	0	3	704 S MADISON AVE.
76.30	RBL	Roots Ball Lateral	10		95		False	0	4	
76.30	TFD	Tap Factory Defective	10				False	0	3	707 S SPRUCE ST.
85.40	CM	Crack Multiple	10	2			False	3	0	
88.60	BVV	Broken Void Visible	4				False	5	0	
88.60	MGP	Miscellaneous General Phot					False	0	0	AN OBJECT/ROD BORGEI
89.50	CL	Crack Longitudinal	1				False	2	0	
92.80	CM	Crack Multiple	3	9			False	3	0	
99.20	TFC	Tap Factory Capped	2				False	0	0	
101.70	TFC	Tap Factory Capped	11				False	0	0	
112.30	TBA	Tap Break-in Activity	3				False	0	0	712 S MADISON AVE.
112.90	CL	Crack Longitudinal	1				False	2	0	
119.40	TB	Tap Break-in/Hammer	10				False	0	0	711 S SPRUCE ST.
124.60	TFC	Tap Factory Capped	2				False	0	0	
126.90	TFC	Tap Factory Capped	10				False	0	0	
150.00	TFC	Tap Factory Capped	2				False	0	0	
152.50	TFC	Tap Factory Capped	10				False	0	0	
160.80	CL	Crack Longitudinal	1				False	2	0	
164.00	TBA	Tap Break-in Activity	9				False	0	0	717 S SPRUCE ST.
175.50	TFA	Tap Factory Activity	2				False	0	0	720 S MADISON AVE.
178.10	TFC	Tap Factory Capped	10				False	0	0	
187.00	BVV	Broken Void Visible	3	4			False	5	0	
188.30	AMH	Manhole					False	0	0	4646-187/ LINE SEGMENT



Remove & Replace approx 647 LF of 8" Pipe

MH 5449-545 (TANK MH)
Remove Manhole
Construct Shallow Manhole (4')
Approx MH depth = 2.0 ft

W-19TH ST-N

E-19TH ST-N

In 18th St RW
Sanitary sewer to have reinforced conc encasement (water main crossing)
Remove Brick Approach (N) (incl curb, gutter & wheelchair ramps)
Install 28 sy of Concrete Approach (incl curb, gutter & wheelchair ramps)
Remove and Replace 26 lf of Brick Pavement
Remove Brick Approach (S) (incl curb, gutter & wheelchair ramps)
Install 21 sy of Concrete Approach (incl curb, gutter & wheelchair ramps)
Encase Sanitary Sewer Main per City Specs (crossing Water main)
Install 26 lf of Flowable Fill.
The Contractor shall follow the Specifications for Utility Cut Repairs for Brick Streets.
All unused bricks shall be stockpiled, palletized and wrapped.
To be delivered, by contractor, to 5801 W 3rd St N.
Contact Mike Frazier 316-350-3394.

Remove 318 lf of 8" Pipe
Install 318 lf of 8" Pipe
Est 12 Service Reconnections (4")

MH 5449-542 (brick manhole)
Remove Manhole
Construct Shallow Manhole (4')
Approx MH depth = 5.5 ft

Remove 329 lf of 8" Pipe
Install 329 lf of 8" Pipe
Est 10 Service Reconnections (4")

N Park Pl

W-18TH ST-N

E-18TH ST-N

MH 5449-539
Approx MH depth = 4.5 ft

SITE 3a



Sewer CCTV Observations

6/22/2022

9:07 AM

Alt Pipe ID: 19072			Inspected Date: 4/1/2021			Survey Direction: Downstream				
Distance:	CCTV Defect :		Clock 1:	Clock 2:	%	Contin:	Doc:	Struct:	O&M:	Remarks:
0.00	AMH	Manhole					False	0	0	5449-545
0.00	MWL	Miscellaneous Water Level			5		False	0	0	
5.50	RPP	Point Repair Patch	12				False	0	0	LOOKS LIKE SEALED OFF O.
6.10	TBD	Tap Break-in Defective	12				False	0	3	111 W 19TH ST N
5.60	FM	Fracture Multiple	10	6			False	4	0	
12.30	TFD	Tap Factory Defective	1				False	0	3	CAPPED AND DEFECTIVE
14.60	BVV	Broken Void Visible	12	1			False	5	0	
15.40	BVV	Broken Void Visible	12				False	5	0	
17.10	SSS	Surface Damage Surface Spall	12	1			False	2	0	
19.80	HSV	Hole Soil Visible	12				False	5	0	
24.30	FC	Fracture Circumferential	6	8			False	2	0	
27.40	TFC	Tap Factory Capped	1				False	0	0	
30.40	TFC	Tap Factory Capped	11				False	0	0	
30.40	B	Broken	12				False	4	0	
30.10	RPP	Point Repair Patch	12				False	0	0	CLAY PIPE PATCH
32.80	SSS	Surface Damage Surface Spall	8				False	2	0	
35.30	TF	Tap Factory	10				False	0	0	1947 N PARK PL
35.70	SAV	Surface Damage Aggregate Vis	1	12		S01	False	2	0	
44.60	SAV	Surface Damage Aggregate Vis	1	12		F01	False	2	0	
48.60	FS	Fracture Spiral	4	7			False	3	0	
53.10	TFA	Tap Factory Activity	2				False	0	0	1950 N WELLINGTON PL
56.00	TFC	Tap Factory Capped	11				False	0	0	
59.00	FM	Fracture Multiple	1	12			False	4	0	
60.10	HSV	Hole Soil Visible	12				False	5	0	
74.60	RPP	Point Repair Patch	12				False	0	0	CLAY PATCH
78.80	TFD	Tap Factory Defective	1				False	0	3	1948 N WELLINGTON PLACE
78.70	RFC	Roots Fine Connection	1	5			False	0	1	
78.60	RPP	Point Repair Patch	12				False	0	0	CLAY PIPE PATCH
79.80	FM	Fracture Multiple	10	12			False	4	0	
81.40	TFC	Tap Factory Capped	11				False	0	0	
81.90	SAV	Surface Damage Aggregate Vis	1	11			False	2	0	
85.10	FM	Fracture Multiple	10	12			False	4	0	
95.10	FS	Fracture Spiral	8	10			False	3	0	
104.30	TFC	Tap Factory Capped	1				False	0	0	
106.80	TFD	Tap Factory Defective	11				False	0	3	1947 N PARK PLACE
106.80	RFC	Roots Fine Connection	8	11			False	0	1	
110.40	FM	Fracture Multiple	1	12			False	4	0	
111.80	MGO	Miscellaneous General Observ:					False	0	0	CAPPED O.H
111.00	FM	Fracture Multiple	12	11			False	4	0	
113.60	FM	Fracture Multiple	7	10			False	4	0	
128.70	TFD	Tap Factory Defective	1				False	0	3	1940 N WELLIGTON PL
129.70	RFC	Roots Fine Connection	12	3			False	0	1	
131.20	TFC	Tap Factory Capped	11				False	0	0	
133.40	FM	Fracture Multiple	8	10			False	4	0	
145.90	SAV	Surface Damage Aggregate Vis	2	10			False	2	0	
155.50	TFA	Tap Factory Activity	1				False	0	0	1936 N WELLINGTON PLACE
157.40	TFA	Tap Factory Activity	11				False	0	0	1943 N PARK PLACE
180.80	TFC	Tap Factory Capped	1				False	0	0	
183.30	TFC	Tap Factory Capped	11				False	0	0	
206.70	TFD	Tap Factory Defective	2				False	0	3	1934 N WLLINGTON PL
206.40	BSV	Broken Soil Visible	2				False	5	0	BROKEN AT CONNECTION
209.30	TFA	Tap Factory Activity	11				False	0	0	1941 N PARK PLACE
214.80	BVV	Broken Void Visible	1	12			False	5	0	
216.60	MGO	Miscellaneous General Observ:					False	0	0	CAPPED OFF O.H
216.50	SMW	Surface Damage Missing Wall	1	11			False	5	0	

Sewer CCTV Observations

6/22/2022

9:07 AM

216.50	MSA	Miscellaneous Survey Abandon				False	0	0	PIPE MISSING. CRAWLER WI	
Alt Pipe ID:	19072		Inspected Date:	4/1/2021			Survey Direction: Upstream			
<u>Distance:</u>	<u>CCTV Defect :</u>		<u>Clock 1:</u>	<u>Clock 2:</u>	<u>%</u>	<u>Contin:</u>	<u>Doc:</u>	<u>Struct:</u>	<u>O&M:</u>	<u>Remarks:</u>
0.00	AMH	Manhole					False	0	0	5449-542
0.00	MWL	Miscellaneous Water Level			5		False	0	0	
11.80	TFA	Tap Factory Activity	1				False	0	0	1921 N PARK PL
11.80	RMC	Roots Medium Connection	3	7	15		False	0	3	
13.20	TFA	Tap Factory Activity	11				False	0	0	1924 N WELLINGTON
14.70	FS	Fracture Spiral	10	3			False	3	0	
37.20	TFA	Tap Factory Activity	1				False	0	0	1935 N PARK PL
39.80	TFC	Tap Factory Capped	11				False	0	0	
60.50	FH3	Fracture Longitudinal Hinge, 3	8	3			False	4	0	
62.70	TFA	Tap Factory Activity	1				False	0	0	1937 N PARK PL
65.10	TFC	Tap Factory Capped	10				False	0	0	
71.40	TBA	Tap Break-in Activity	11				False	0	0	1930 N WELLINGTON
81.00	BVV	Broken Void Visible	10	2			False	5	0	
83.00	MSA	Miscellaneous Survey Abandon					False	0	0	CLAY TILE

Sewer CCTV Observations

6/22/2022

9:11 AM

Alt Pipe ID: 19071			Inspected Date: 4/1/2021			Survey Direction: Upstream				
Distance:	CCTV Defect :		Clock 1:	Clock 2:	%	Contin:	Doc:	Struct:	O&M:	Remarks:
0.00	AMH	Manhole					False	0	0	5449-539
0.00	MWL	Miscellaneous Water Level			5		False	0	0	
0.00	MMC	Miscellaneous Material Change					False	0	0	PVC
10.40	MMC	Miscellaneous Material Change					False	0	0	VCP
18.20	LR	Alignment Right			5		False	0	1	
35.00	MWLS	Miscellaneous Water Level Sag			75	S01	False	4	0	
39.30	MWLS	Miscellaneous Water Level Sag			75	F01	False	4	0	
64.60	FS	Fracture Spiral	11	2			False	3	0	
69.10	TFC	Tap Factory Capped	2				False	0	0	
71.60	TFC	Tap Factory Capped	10				False	0	0	
80.20	FM	Fracture Multiple	10	2			False	4	0	
85.30	FC	Fracture Circumferential	11	1			False	2	0	
86.60	TF	Tap Factory	9				False	0	0	
94.80	TFA	Tap Factory Activity	2				False	0	0	1905 N PARK PL
107.80	MGO	Miscellaneous General Observ:					False	0	0	OBSERVATION HOLE
108.10	FM	Fracture Multiple	7	2			False	4	0	
112.80	TFC	Tap Factory Capped	2				False	0	0	
113.60	BVV	Broken Void Visible	4	5			False	5	0	
115.50	TF	Tap Factory	10				False	0	0	1904 N WELLINGTON PL
113.70	DNZ	Deposits Ingressed Other	5	7	5		False	0	2	CLAY PIPE
118.20	MMC	Miscellaneous Material Change					False	0	0	PVC
118.20	RPR	Point Repair Replacement				S02	False	0	0	PVC
122.10	RPR	Point Repair Replacement				F02	False	0	0	PVC
122.30	MMC	Miscellaneous Material Change					False	0	0	VCP
122.90	TF	Tap Factory	10				False	0	0	1912 N WELLINGTON PL
128.70	BSV	Broken Soil Visible	10	12			False	5	0	
132.30	TBA	Tap Break-in Activity	2				False	0	0	1911 N PARK PL
163.80	TFC	Tap Factory Capped	2				False	0	0	
172.80	TB	Tap Break-in/Hammer	2				False	0	0	1915 N PARK PL
186.70	TFA	Tap Factory Activity	10				False	0	0	1914 N WELLINGTON PL
189.30	TFC	Tap Factory Capped	2				False	0	0	
212.70	FL	Fracture Longitudinal	4				False	3	0	
214.70	TFC	Tap Factory Capped	10				False	0	0	
217.20	MGO	Miscellaneous General Observ:					False	0	0	OBSERVATION HOLE
220.60	BSV	Broken Soil Visible	8	10			False	5	0	
222.30	TF	Tap Factory	2				False	0	0	1919 N PARK PL
225.80	BVV	Broken Void Visible	2	4			False	5	0	
237.60	TFC	Tap Factory Capped	10				False	0	0	
240.00	DNZ	Deposits Ingressed Other	5	7	40		False	0	5	CLAY PIPE
240.00	MSA	Miscellaneous Survey Abandon					False	0	0	CLAY PIPE IN LINE UNABLE TO

Alt Pipe ID: 19071			Inspected Date: 10/7/2019				Survey Direction: Downstream			
Distance:	CCTV Defect :		Clock 1:	Clock 2:	%	Contin:	Doc:	Struct:	O&M:	Remarks:
0.00	AMH	Manhole					False	0	0	USMH 5449-542
0.00	MWL	Miscellaneous Water Level			5		False	0	0	
4.30	B	Broken					False	4	0	
4.60	BSV	Broken Soil Visible					False	5	0	END OF PREVIOUS REPAIR,
5.70	MSA	Miscellaneous Survey Abandon					False	0	0	BROKEN PIPE CAMERA CAN

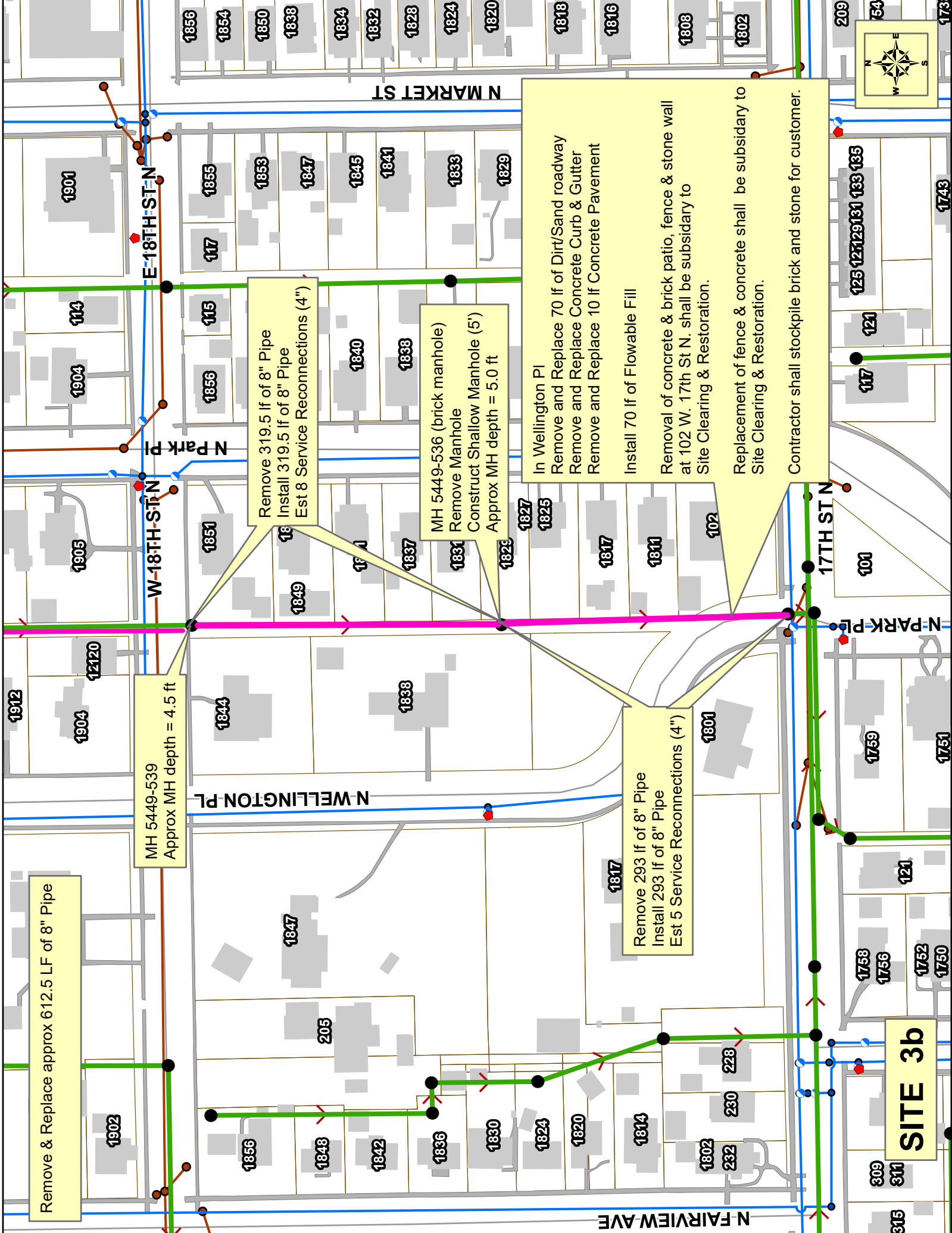
Alt Pipe ID: 19071			Inspected Date: 10/7/2019			Survey Direction: Upstream				
<u>Distance:</u>	<u>CCTV Defect :</u>		<u>Clock 1:</u>	<u>Clock 2:</u>	<u>%</u>	<u>Contin:</u>	<u>Doc:</u>	<u>Struct:</u>	<u>O&M:</u>	<u>Remarks:</u>
0.00	AMH	Manhole					False	0	0	DSMH 5449-539
0.00	MWL	Miscellaneous Water Level			5		False	0	0	
0.40	FM	Fracture Multiple					False	4	0	
1.90	MMC	Miscellaneous Material Change					False	0	0	VCP-PVC POINT REPAIR
6.20	MMC	Miscellaneous Material Change					False	0	0	PVC-VCP END OF REPAIR

Sewer CCTV Observations

6/22/2022

9:11 AM

6.40	BSV	Broken Soil Visible	False	5	0	PIPE IS BROKEN AND SOIL IS
6.70	MSA	Miscellaneous Survey Abandon	False	0	0	BROKEN PIPE CAMERA CAN'



Remove & Replace approx 612.5 LF of 8" Pipe

MH 5449-539
Approx MH depth = 4.5 ft

Remove 319.5 lf of 8" Pipe
Install 319.5 lf of 8" Pipe
Est 8 Service Reconections (4")

MH 5449-536 (brick manhole)
Remove Manhole
Construct Shallow Manhole (5')
Approx MH depth = 5.0 ft

Remove 293 lf of 8" Pipe
Install 293 lf of 8" Pipe
Est 5 Service Reconections (4")

In Wellington Pl
Remove and Replace 70 lf of Dirt/Sand roadway
Remove and Replace Concrete Curb & Gutter
Remove and Replace 10 lf Concrete Pavement
Install 70 lf of Flowable Fill
Removal of concrete & brick patio, fence & stone wall at 102 W. 17th St N. shall be subsidiary to Site Clearing & Restoration.
Replacement of fence & concrete shall be subsidiary to Site Clearing & Restoration.
Contractor shall stockpile brick and stone for customer.

SITE 3b



Sewer CCTV Observations

6/22/2022

8:56 AM

Alt Pipe ID: 19070			Inspected Date: 4/2/2021			Survey Direction: Downstream				
Distance:	CCTV Defect :		Clock 1:	Clock 2:	%	Contin:	Doc:	Struct:	O&M:	Remarks:
0.00	AMH	Manhole					False	0	0	5449-539
0.00	MWL	Miscellaneous Water Level			10		False	0	0	
24.20	TFA	Tap Factory Activity	11				False	0	0	1851 N PARK PLACE
47.10	TFC	Tap Factory Capped	2				False	0	0	
68.80	TSA	Tap Saddle Activity	1				False	0	0	1844 N WELLINGTON PLACE
74.20	LFW	Lining Failure Wrinkled	5			S01	False	3	0	
98.20	TFA	Tap Factory Activity	11				False	0	0	1849 N PARK PLACE
123.90	TFA	Tap Factory Activity	11				False	0	0	1841 N WELLINGTON PLACE
200.90	TSA	Tap Saddle Activity	11				False	0	0	1837 N PARK PLACE
221.70	TFA	Tap Factory Activity	10				False	0	0	1831 N PARK PLACE
224.00	TFA	Tap Factory Activity	2				False	0	0	1838 N WELLINGTON PLACE
224.00	RFC	Roots Fine Connection	12	6			False	0	1	
285.80	TFA	Tap Factory Activity	11				False	0	0	1831 N PARK PLACE
303.70	TSA	Tap Saddle Activity	11				False	0	0	1829 N PARK PLACE
317.80	LFW	Lining Failure Wrinkled	5			F01	False	3	0	
310.10	MWLS	Miscellaneous Water Level Sag			65	S02	False	4	0	
316.50	MWLS	Miscellaneous Water Level Sag			65	F02	False	4	0	
316.60	MSA	Miscellaneous Survey Abandon					False	0	0	UNKNOWN
Alt Pipe ID: 19070			Inspected Date: 4/1/2021			Survey Direction: Downstream				
Distance:	CCTV Defect :		Clock 1:	Clock 2:	%	Contin:	Doc:	Struct:	O&M:	Remarks:
0.00	AMH	Manhole					False	0	0	5449-5363
0.00	MWL	Miscellaneous Water Level			5		False	0	0	
0.00	MMC	Miscellaneous Material Change					False	0	0	PVC
7.00	MMC	Miscellaneous Material Change					False	0	0	VCP
10.30	LR	Alignment Right			5		False	0	1	
12.90	TFC	Tap Factory Capped	1				False	0	0	
14.60	BVV	Broken Void Visible	10	2			False	5	0	
15.40	TFC	Tap Factory Capped	11				False	0	0	
24.90	SAV	Surface Damage Aggregate Vis	1	12			False	2	0	
38.50	TFC	Tap Factory Capped	1				False	0	0	
41.10	TFC	Tap Factory Capped	11				False	0	0	
53.90	DSZ	Deposits Settled Other	12	6	35		False	0	5	CLAY TILE
54.20	MSA	Miscellaneous Survey Abandon					False	0	0	CLAY TILE

Sewer CCTV Observations

6/22/2022

9:04 AM

Alt Pipe ID: 19069			Inspected Date: 4/2/2021			Survey Direction: Upstream				
<u>Distance:</u>	<u>CCTV Defect :</u>		<u>Clock 1:</u>	<u>Clock 2:</u>	<u>%</u>	<u>Contin:</u>	<u>Doc:</u>	<u>Struct:</u>	<u>O&M:</u>	<u>Remarks:</u>
0.00	AMH	Manhole					False	0	0	5449-533
0.00	MWL	Miscellaneous Water Level			5		False	0	0	
24.00	LFZ	Lining Failure Other	12				False	0	0	CUT IN LINER
25.10	RPP	Point Repair Patch	11				False	0	0	PATCH
60.40	TSA	Tap Saddle Activity	10				False	0	0	1801 N WELLINGTON PL
62.90	TFA	Tap Factory Activity	2				False	0	0	102 E 17TH ST N
137.50	TSA	Tap Saddle Activity	1				False	0	0	1811 N PARK PL
143.60	LFW	Lining Failure Wrinkled	11				False	3	0	
159.50	LFW	Lining Failure Wrinkled	10				False	3	0	
205.10	TFA	Tap Factory Activity	2				False	0	0	1817 N PARK PL
209.50	TFA	Tap Factory Activity	3				False	0	0	1825 N PARK PL
215.30	TFA	Tap Factory Activity	2				False	0	0	1827 N PARK PL
242.10	MWL	Miscellaneous Water Level			10		False	0	0	
247.00	MWLS	Miscellaneous Water Level Sag			25	S01	False	2	0	
274.50	MWLS	Miscellaneous Water Level Sag			25	F01	False	2	0	
288.70	MWLS	Miscellaneous Water Level Sag			100		False	5	0	
288.70	AMH	Manhole					False	0	0	5449-536