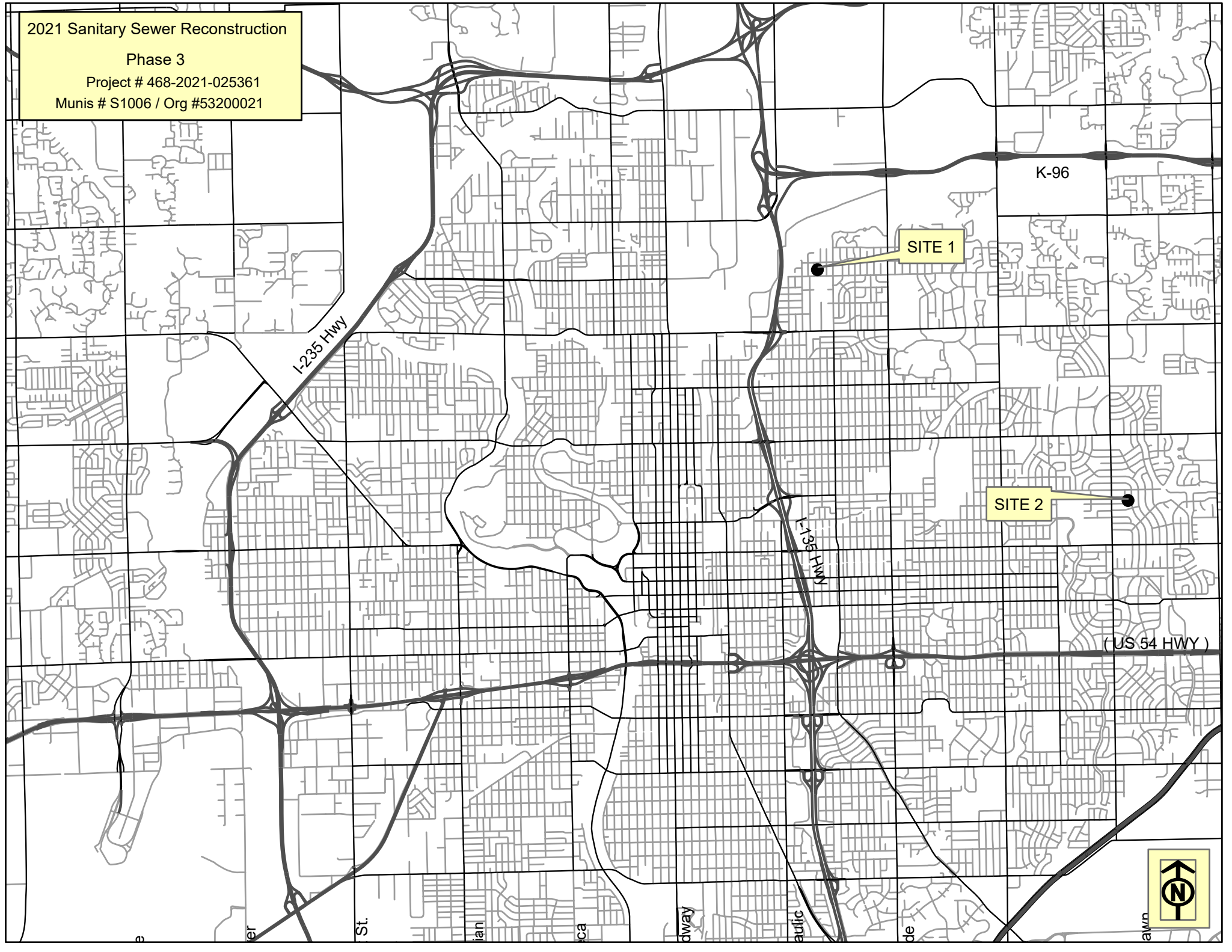


2021 Sanitary Sewer Reconstruction

Phase 3

Project # 468-2021-025361

Munis # S1006 / Org #53200021



K-96

SITE 1

SITE 2

(US 54 HWY)



2021 Sanitary Sewer Reconstruction Phase 3

Project # 2021-025361 / Munis # S1006

<u>SITE NO.</u>	<u>GENERAL LOCATION</u>	<u>PIPE SIZE</u>	<u>UPSTREAM MANHOLE</u>	<u>DOWNSTREAM MANHOLE</u>	<u>US MH FL ELEVATION</u>	<u>DS MH FL ELEVATION</u>	<u>PIPE LENGTH</u>
1	Easement east of Madison, south of 27th St N (Book/Page G-069)	8"	5650-108	5650-107	1318.85	1317.8	331
	Easement west of Madison, south of 26th St N (Book/Page G-060)	8"	5650-164	5650-103	1312.25	1311.7	568
	Easement west of Madison, south of 26th St N (Book/Page G-060)	8"	5650-149	5650-112			216
	Easement west of Madison, south of 26th St N (Book/Page G-060)	8"	5650-143	5650-113			223
	Easement west of Madison, south of 26th St N (Book/Page G-060)	8"	5650-148	5650-147			240
2	Easement west of Saint James, crossing Saint James through easement east of Saint James, between Jacqueline and 9th	8"	5948-065	5948-063	1373.34	1372.4	234
	Easement west of Saint James between Jacqueline and 8th (Book/Page H-007)	8"	5948-069	5948-068	1375.99	1375.1	235
Total linear feet of pipe for this project =							2047

2021 Sanitary Sewer Reconstruction Phase 3

Bid Items by Site Reference				
	Site 1	Site 2	Totals	
<u>Lump Sum Items:</u>				
Site Clearing	1.00	1.00	1.00	LS
Site Restoration	1.00	1.00	1.00	LS
<u>Measured Quantity Items:</u>				
Pipe, SS 8"	1,577.00	469.00	2,046.00	lf
Pipe Removed (6" or 8")	1,577.00	469.00	2,046.00	lf
MH Frame & Cover, Replaced	6.00	3.00	9.00	ea
MH Cone/Stack Replaced (various heights / brick manholes)	2.00	1.00	3.00	ea
MH Bench & Invert, Replaced	5.00	4.00	9.00	ea
Concrete Encasement 8", Reinforced		20.00	20.00	lf
A/C Pvmt Removed & Repl (incl conc curb & gutter)		30.00	30.00	lf
Fill, Sand (flushed & vibrated)		30.00	30.00	lf
Service Reconnection, Sewer (4")	50.00	7.00	57.00	ea
Service Reconnection, Sewer (6")			1.00	ea
BMP, Back of Curb Protection			40.00	lf
BMP, Erosion Control Mat			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.

Remove & Replace approx 899 LF of 8" PIPE

MH 5650-108 (brick manhole)
remove/replace Bench & Invert
Approx MH depth = 10.3'

Remove 331 lf of 8" Pipe
Install 331 lf of 8" Pipe
Est 10 Service Reconnection (4")

MH 5650-107 (brick manhole)
Remove/Replace frame & cover
Remove/Replace inside drop.
Install invert.

N MADISON

E 26TH ST N

MH 5650-164 (brick manhole)
Approx MH depth = 8.75 ft

MH 5650-163 (brick manhole)
Remove/Replace Frame & Cover
Remove/Replace Bench & Invert
Approx MH depth = 8.0 ft

Large tree over main needs removed.

Remove 568 lf of 8" Pipe
Install 568 lf of 8" Pipe
Est 20 Service Reconnection (4")

NASH ST

SPRUCE

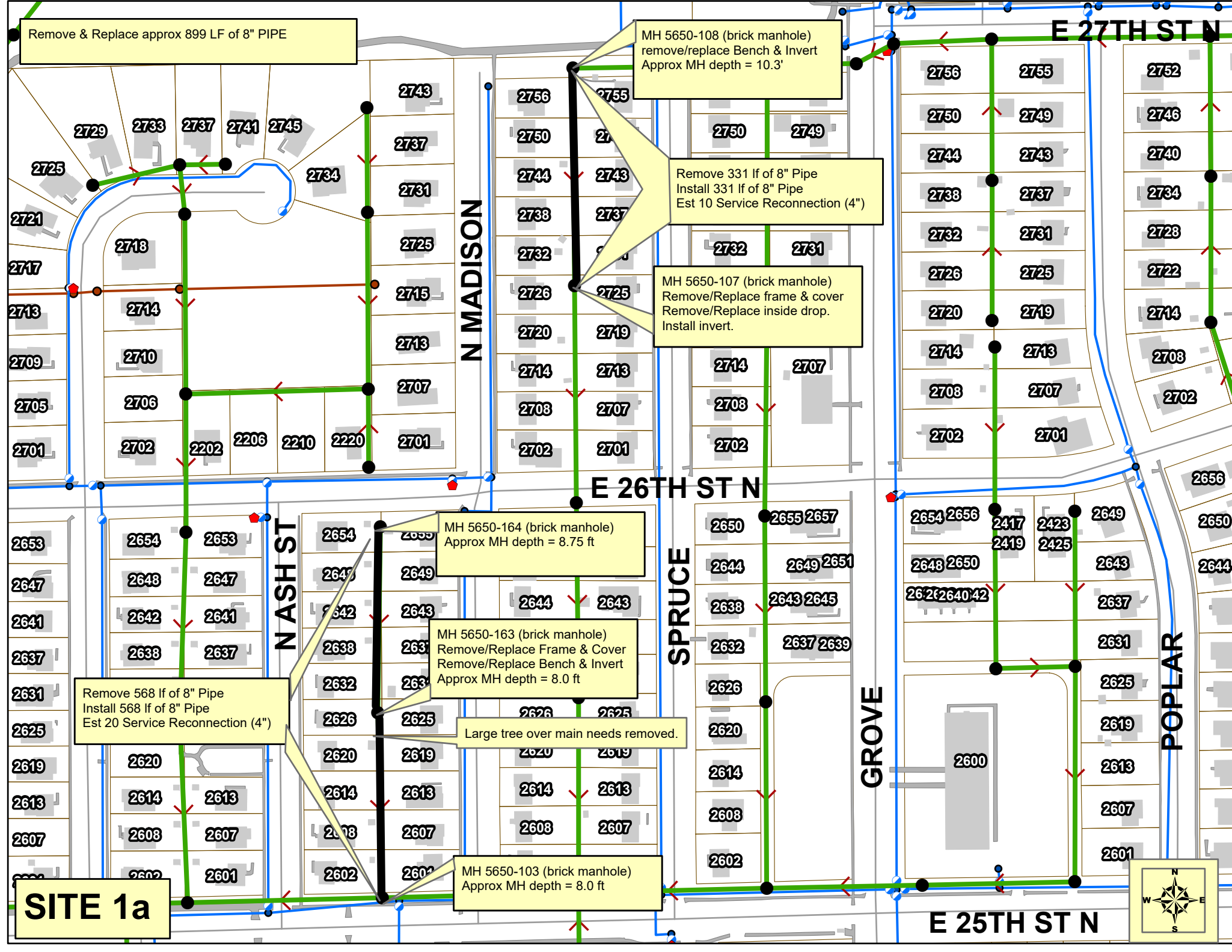
GROVE

POPLAR

SITE 1a

MH 5650-103 (brick manhole)
Approx MH depth = 8.0 ft

E 25TH ST N



Remove & Replace approx 678 LF of 8" PIPE

MH 5650-112 (brick manhole)
Remove/Replace Outside Drop
Remove/Replace Upper Arm (Outside Drop)
Remove/Replace Bench & Invert
Remove /Replace Field cap, Frame & Cover
Approx MH depth = 17.1 ft

Remove 216 lf of 8" Pipe
Install 216 lf of 8" Pipe
Est 6 Service Reconnections (4")

MH 5650-149 (brick manhole)
Remove Replace Frame & Cover
Approx MH depth = 9.3 ft

MH 5650-113 (brick manhole)
Remove/Replace Field Cap
Approx MH depth = 15.8 ft

Remove 222.9 lf of 8" Pipe
Install 222.9 lf of 8" Pipe
Est 6 Service Reconnections (4")

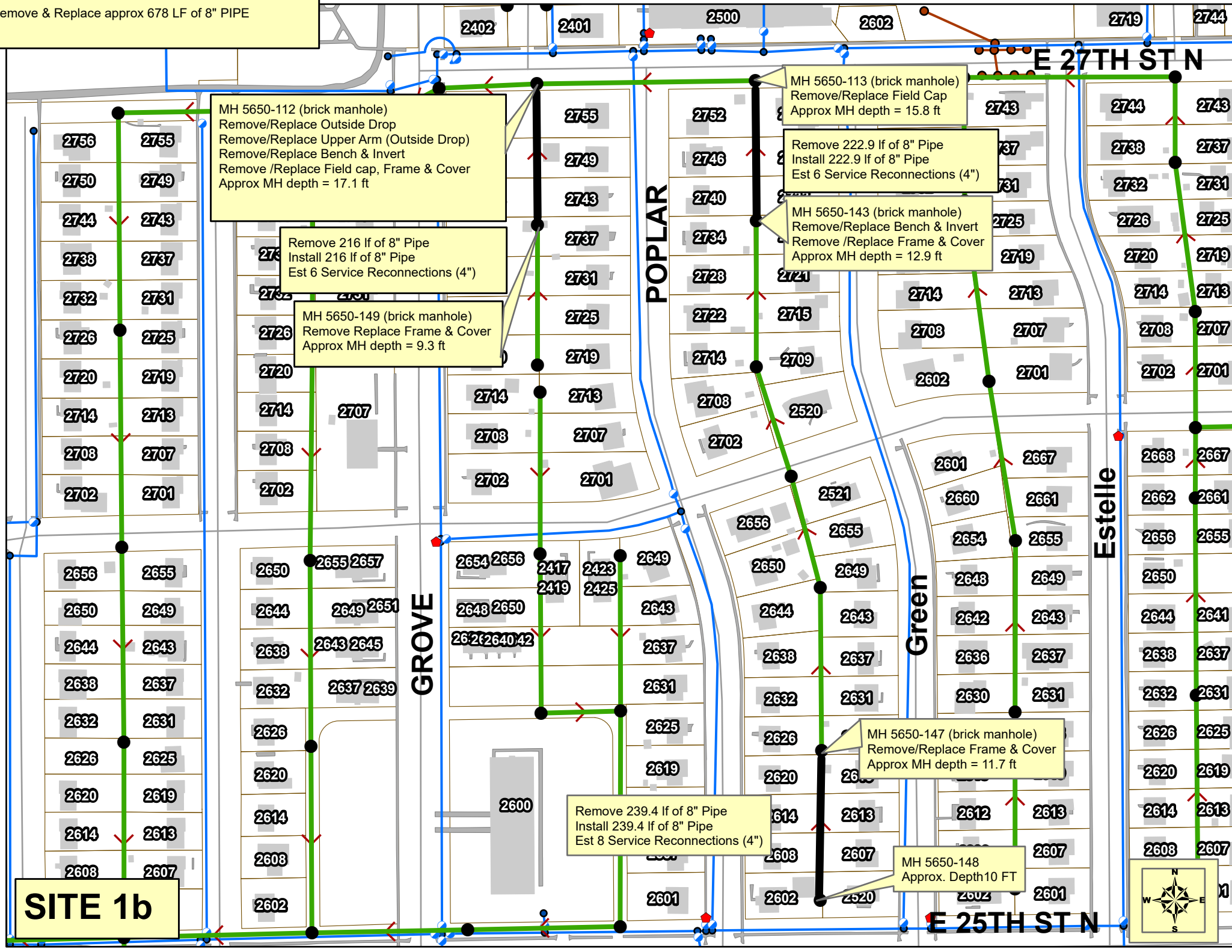
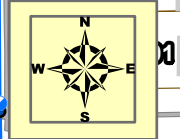
MH 5650-143 (brick manhole)
Remove/Replace Bench & Invert
Remove /Replace Frame & Cover
Approx MH depth = 12.9 ft

MH 5650-147 (brick manhole)
Remove/Replace Frame & Cover
Approx MH depth = 11.7 ft

Remove 239.4 lf of 8" Pipe
Install 239.4 lf of 8" Pipe
Est 8 Service Reconnections (4")

MH 5650-148
Approx. Depth 10 FT

SITE 1b



Sewer Service Lateral Inventory Report

7/23/2021

5:10:03PM

Facility Address Gen. Location Lateral # Service Structure	Comments	Upstream Struct Downstream Struct Flow Basin Service Stat.	Connection Type Connection Reason Date Installed Source of Data	Dia. Material Slope/Fall Length	Connection			
					Dist. from Struct	Dist. measured from Dist. from DS Struct	Direction from Main Depth: Main PL End	
Wichita 2632 N ASH ST 1 55910		5650-164 5650-163 SS23-02 Active	Saddle Tap New Building Residential 3/19/1952 Record Drawings	4.0 SDR 35 0.250	250.60 Us To Ds 33.40 West			7.60
Wichita 2638 N ASH ST 1 55911		5650-164 5650-163 SS23-02 Active	Saddle Tap New Building Residential 3/19/1952 Record Drawings	4.0 SDR 35 0.250	192.90 Us To Ds 91.10 West			7.60
Wichita 2602 N ASH AVE 1 55900		5650-163 5650-103 SS23-02 Active	Saddle Tap New Building Residential 3/19/1952 Record Drawings	4.0 SDR 35 0.250	246.10 Us To Ds 37.90 West			8.00
Wichita 2648 N ASH ST 1 55915		5650-164 5650-163 SS23-02 Active	Saddle Tap New Building Residential 3/19/1952 Record Drawings	4.0 SDR 35 0.250	81.20 Us To Ds 202.80 West			8.10
Wichita 2654 N ASH ST 1 55917	SEAL OFF: C37269 2-16-73	5650-164 5650-163 SS23-02 Abandoned	Saddle Tap New Building Residential 3/19/1952 Record Drawings	4.0 SDR 35 0.250	26.40 Us To Ds 257.60 West			8.60 0.00 0.00
Wichita 2608 N ASH AVE 1 55902	REPAIR: 7032 2-15-91	5650-163 5650-103 SS23-02 Active	Saddle Tap New Building Residential 3/19/1952 Record Drawings	4.0 SDR 35 0.250	195.70 Us To Ds 88.30 West			8.00
Wichita 2626 N ASH ST 1 55908		5650-163 5650-103 SS23-02 Active	Saddle Tap New Building Residential 3/19/1952 Record Drawings	4.0 SDR 35 0.250	20.30 Us To Ds 263.70 West			7.60
Wichita 2620 N ASH ST 1 55906		5650-163 5650-103 SS23-02 Active	Saddle Tap New Building Residential 3/19/1952 Record Drawings	4.0 SDR 35 0.250	74.50 Us To Ds 209.50 West			7.60
Wichita 2642 N ASH ST 1		5650-164 5650-163 SS23-02 Active	Wye Residential 3/19/1952 Record Drawings	4.0 N/A 0.250	138.20 Us To Ds 145.80 West			

Sewer Service Lateral Inventory Report

7/23/2021

5:10:03PM

Facility Address Gen. Location Lateral # Service Structure	Comments	Upstream Struct Downstream Struct Flow Basin Service Stat.	Connection Type Connection Reason Date Installed Source of Data	Dia. Material Slope/Fall Length	Connection		
					Dist. from Struct Dist.measured from Dist. from DS Struct Direction from Main Depth: Main PL End		
55913	REPAIR SWR2002-02214 8/14/02 WICHITA EXC ** INSPECTED 8/15/02 P PETERMAN: TWIN CO, 4" SCH 40 PVC, 1 V 45, PREDCO SADDLE 138' S OF DE MH 5650-164				8.10	0.00	0.00
Wichita 2654 N ASH ST		5650-164 5650-163 SS23-02	Saddle Tap New Building Residential 1/22/1997	4.0 SDR 35 0.250	26.40 Us To Ds 257.60 West		
2 55919		Active	Record Drawings		8.60	0.00	0.00
Wichita 2614 N ASH ST		5650-163 5650-103 SS23-02	Saddle Tap New Building Residential 3/19/1952	4.0 SDR 35 0.250	134.40 Us To Ds 149.60 West		
1 55904		Active	Record Drawings		7.60		

Sewer Service Lateral Inventory Report

7/23/2021

5:12:03PM

Facility Address Gen. Location Lateral # Service Structure	Comments	Upstream Struct Downstream Struct Flow Basin Service Stat.	Connection Type Connection Reason Date Installed Source of Data	Dia. Material Slope/Fall Length	Connection			
					Dist. from Struct	Dist. measured from Dist. from DS Struct	Direction from Main Depth: Main PL End	
Wichita 2649 N MADISON AVE 1 55916		5650-164 5650-163 SS23-02 Active	Saddle Tap New Building Residential 3/26/1952 Record Drawings	4.0 SDR 35 0.250	84.20 Us To Ds 199.80 East			8.10
Wichita 2607 N MADISON AVE 1 55903	REPAIR: 94-13482-7 8-23-94	5650-163 5650-103 SS23-02 Active	Saddle Tap New Building Residential 3/19/1952 Record Drawings	4.0 SDR 35 0.250	198.70 Us To Ds 85.30 East			8.00 0.00 0.00
Wichita 2655 N MADISON AVE 1 55918	REPAIR: 7766 3-28-83	5650-164 5650-163 SS23-02 Active	Saddle Tap New Building Residential 3/26/1952 Record Drawings	4.0 SDR 35 0.250	0.00 Us To Ds 254.60 East			8.60
Wichita 2613 N MADISON AVE 1 55905	REPAIR: 25593 6-20-90	5650-163 5650-103 SS23-02 Active	Saddle Tap New Building Residential 3/19/1952 Record Drawings	4.0 SDR 35 0.250	137.40 Us To Ds 146.60 East			7.60
Wichita 2625 N MADISON AVE 1 55909		5650-163 5650-103 SS23-02 Active	Saddle Tap New Building Residential 12/15/1952 Record Drawings	4.0 SDR 35 0.250	23.30 Us To Ds 260.70 East			7.60
Wichita 2643 N MADISON AVE 1 55914		5650-164 5650-163 SS23-02 Active	Saddle Tap New Building Residential 3/26/1952 Record Drawings	4.0 SDR 35 0.250	141.20 Us To Ds 142.80 East			8.10
Wichita 2601 N MADISON AVE 1 55901		5650-163 5650-103 SS23-02 Active	Saddle Tap New Building Residential 3/19/1952 Record Drawings	4.0 SDR 35 0.250	249.10 Us To Ds 34.90 East			8.00
Wichita 2637 N MADISON AVE 1 55912	REPAIR: 26739 4-12-90	5650-164 5650-163 SS23-02 Active	Saddle Tap New Building Residential 3/26/1952 Record Drawings	4.0 SDR 35 0.250	197.00 Us To Ds 87.00 East			7.60
Wichita 2619 N MADISON AVE 1 55907		5650-163 5650-103 SS23-02 Active	Saddle Tap New Building Residential 12/15/1952 Record Drawings	4.0 SDR 35 0.250	77.50 Us To Ds 206.50 East			7.60

Remove & Replace approx 469 lf of 8" Pipe

Removal & Replacement of fences shall be subsidiary to Site Clearing & Site Restoration. Stone from raised flower bed at 6427 E Jacqueline shall be stockpiled for customer.

Remove & Replace approx 30 lf of Pavement (including the concrete curb & gutter)
Install approx 30 lf of Fill Sand (flushed & vibrated)

20 lf of concrete encasement.

MH 5948-065
Remove and Replace Frame & Cover
Remove and Replace Bench & Invert
Approx 6.7' deep

Remove 234 lf of 8" Pipe
Install 234 lf of 8" Pipe
Est 1 Service Connection

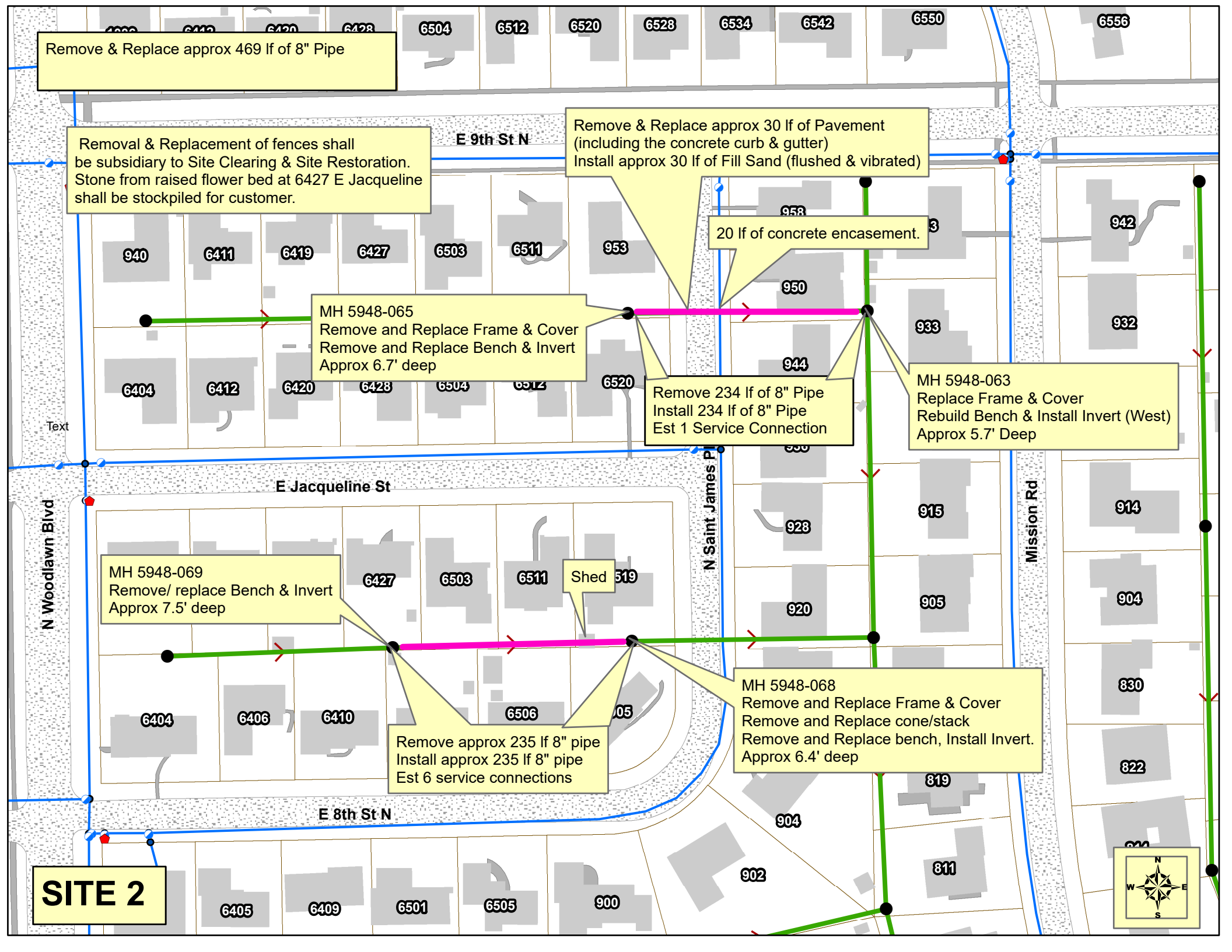
MH 5948-063
Replace Frame & Cover
Rebuild Bench & Install Invert (West)
Approx 5.7' Deep

MH 5948-069
Remove/ replace Bench & Invert
Approx 7.5' deep

Remove approx 235 lf 8" pipe
Install approx 235 lf 8" pipe
Est 6 service connections

MH 5948-068
Remove and Replace Frame & Cover
Remove and Replace cone/stack
Remove and Replace bench, Install Invert.
Approx 6.4' deep

SITE 2





PACP Video Inspection Master Report

US Structure: 5948-065 953 N SAINT JAMES PL
DS Structure: 5948-063 933 N MISSION RD

Inspected Date: 7/13/2021
Survey Direction: Downstream

Pipe Information

Length (ft): 233.70 Project Number: H-008 Slope %: 0.00
Pipe Dia or Height: 8 Material: VCP Liner:

Inspection Information

Surveyed By: PHET Survey Reason: Routine Assessment Media Label: DVD #1583

Recommendations

Sequence:	Recommendation:	Priority:	Assigned to:	Completed:
1	Line Rehabilitation REC CIPP LINER OR COMPLETE REPLACMENT. MAIN IS IN HORRIBLE SHAPE, LOTS OF CRACKS AND FRACTURES.	Rehab Priority High	Systems & Planning	No

Observations

Distance:	PACP :	PACP Text:	Clock 1:	Clock 2:	%	Contin:	Remarks:
0.00	AMH	Manhole					5948-065
0.00	MWL	Miscellaneous Water Level			5		
2.30	CC	Crack Circumferential	7	5			
14.20	TF	Tap Factory	11				953 N SAINT JAMES PL.
16.40	TFC	Tap Factory Capped	1				
28.60	CM	Crack Multiple	9	3			
36.00	CM	Crack Multiple	9	3			
81.90	CM	Crack Multiple	9	3			
93.60	CM	Crack Multiple	8	4			
112.50	CM	Crack Multiple	4	8			
114.70	CM	Crack Multiple	8	4			
125.80	CL	Crack Longitudinal	12				
131.00	CM	Crack Multiple	8	4			
138.50	CM	Crack Multiple	8	4			
144.80	CM	Crack Multiple	4	8			
151.10	RFJ	Roots Fine Joint	4				
155.60	RFJ	Roots Fine Joint	3				
157.70	RFJ	Roots Fine Joint	9				
160.30	CM	Crack Multiple	9	3			
168.40	RBJ	Roots Ball Joint	9		60		
171.60	RBJ	Roots Ball Joint	3		60		
173.90	CM	Crack Multiple	9	3			
211.10	CM	Crack Multiple	9	3			
226.30	CM	Crack Multiple	9	3			
232.60	AMH	Manhole					5948-063/ LINE SEGMENT LOOKED OKAY,SOME CRACKED SOME ROOTBALLS AT THE JOINTS.NEED KNIFE & CLEAN.



PACP Video Inspection Master Report

US Structure: 5948-069
 DS Structure: 5948-068

6427 E JACQUELINE ST
 6519 E JACQUELINE ST

Inspected Date: 7/15/2021
 Survey Direction: Downstream

Pipe Information

Length (ft): 233.30 Project Number: H-007 Slope %: 0.40
 Pipe Dia or Height: 8 Material: VCP Liner:

Inspection Information

Surveyed By: PHET Survey Reason: Routine Assessment Media Label: DVD #1583

Recommendations

Sequence:	Recommendation:	Priority:	Assigned to:	Completed:
1	Line Rehabilitation REC CIPP LINER DUE TO CRACKS FRACTURES AND HOLES. MAY WANT TO DO A FULL REPLACMENT OF THE LINE	Rehab Priority Med High	Systems & Planning	No

Observations

Distance:	PACP :	PACP Text:	Clock 1:	Clock 2:	%	Contin:	Remarks:
0.00	AMH	Manhole					5948-069
0.00	MWL	Miscellaneous Water Level			5		
1.00	CC	Crack Circumferential	1	12			
5.00	BSV	Broken Soil Visible	12	4			
8.50	CM	Crack Multiple	8	4			
14.60	TF	Tap Factory	11				6427 E JACQUELINE ST.
16.70	TFC	Tap Factory Capped	1				
21.20	CM	Crack Multiple	8	4			
22.10	BSV	Broken Soil Visible	10				
31.10	CM	Crack Multiple	9	3			
35.00	CM	Crack Multiple	9	3			
43.30	CM	Crack Multiple	9	3			
72.40	RBC	Roots Ball Connection	3		90		
72.40	TFD	Tap Factory Defective	3				6502 E 8TH ST.N
74.30	RBC	Roots Ball Connection	11		90		
74.30	TF	Tap Factory	11				6503 E JACQUELINE ST.
77.20	TFC	Tap Factory Capped	2				
81.60	CM	Crack Multiple	7	5			
140.60	CM	Crack Multiple	8	4			
155.60	TFD	Tap Factory Defective	10				6511 E JAQUELINE ST.
158.80	RBC	Roots Ball Connection	2		70		
158.80	TFA	Tap Factory Activity	2				6506 E 8TH ST.N
163.30	RFJ	Roots Fine Joint	7				
164.80	CM	Crack Multiple	9	3			
190.30	RFJ	Roots Fine Joint	9	3			
193.10	RBJ	Roots Ball Joint	9		55		
195.10	TFA	Tap Factory Activity	3				905 N SAINT JAMES PL.
212.60	CL	Crack Longitudinal	12				
232.90	CM	Crack Multiple	10	2			
233.00	BSV	Broken Soil Visible	10	2			
235.60	AMH	Manhole					5948-068/ LINE SEGMENT LOOKED OKAY,SOME ROOTBALLS & CRACKED IN THE SEWER MAIN,NEED KNIFE & CLEAN.

