



Manhole Remediation Plan

Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A – Very Good Condition
- B – Good Condition
- C – Fair Condition
- D – Poor Condition
- E – Very Poor Condition

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
1	S	C	C	SSMHT0000265	3912 S. DONNYBROOK AVE.	Solid		Yes	None	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	10.02	134.29		\$ 400	\$ -	Monitor in CMOM
2	S	A	A	SSMHT0000270	4900 BLK. S. DONNYBROOK AVE.	Bolted		No	None	Yard	Unpaved	Above Grade	43	Std 48 Round	Sealed Concrete	18.29			\$ -	\$ -	Monitor in CMOM
3	S	A	A	SSMHT0000272	4900 BLK. S. DONNYBROOK AVE.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	6	Std 48 Round	Concrete	18.5			\$ -	\$ -	Monitor in CMOM
4	S	D	C	SSMHT0000279	3900 BLK LAKE FORREST DR	Solid		Yes	None	Street	Paved - Asphalt	Below Grade	1	Std 48 Round	Concrete	6.04	84.30		\$ 1,350	\$ 1,350	Realign and Seal Casting
5	S	C	C	SSMHT0000282	821 E. SE LOOP 323	Bolted		No	None	Trees/Woods	Unpaved	Above Grade	23	Std 48 Round	Concrete	16.58	216.68	2	\$ 6,067	\$ -	Monitor in CMOM
6	S	D	C	SSMHT0000305	5500 BLK. DONNYBROOK DR.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	1	Std 48 Round	Concrete	25.66	330.73		\$ 1,290	\$ 1,290	Realign and Seal Casting
7	S	D	C	SSMHT0000329	8161 CR 2204	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	6	Std 48 Round	Concrete	7.96	108.42		\$ 650	\$ 650	Realign and Seal Casting
8	S	D	C	SSMHT0000331	3900 UNIVERSITY BLVD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	15	Std 48 Round	Brick	15.07	197.72		\$ 650	\$ 650	Realign and Seal Casting
9	S	D	C	SSMHT0000342	1419 ROYAL OAK DR	Solid		No	Light	Yard	Unpaved	Above Grade	4	Std 48 Round	Concrete	12.00	159.16	2	\$ 4,456	\$ 4,456	Seal Coat Manhole
10	S	C	C	SSMHT0000350	201 BELMEADE LN	Solid		No	Light	Yard	Unpaved	Above Grade	6	Std 48 Round	Brick	8.11	110.30	2	\$ 3,088	\$ -	Monitor in CMOM
11	S	A	A	SSMHT0000351	201 BELMEAD LN	Vented	2	No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	8.2			\$ -	\$ -	Monitor in CMOM
12	S	C	C	SSMHT0000360	1505 W GRANDE BLVD	Solid		No	None	Yard	Unpaved	Above Grade	34	Std 48 Round	Concrete	26.01	335.13	2	\$ 10,024	\$ -	Monitor in CMOM
13	S	D	C	SSMHT0000363	6000 BLK. S. BROADWAY AVE.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	55	Std 48 Round	Concrete	19.46	252.86	2	\$ 7,720	\$ 7,720	Seal Coat Manhole
14	S	A	A	SSMHT0000364	5500 BLK. DONNYBROOK DR.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	20	Std 48 Round	Concrete	25.32			\$ -	\$ -	Monitor in CMOM
15	S	B	B	SSMHT0000406	100 BLK. WINCHESTER DR.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	16.27			\$ -	\$ -	Monitor in CMOM
16	S	D	C	SSMHT0000410	NONE W CUMBERLAND RD	Solid		Yes	Light	Trees/Woods	Unpaved	Above Grade	9	Std 48 Round	Concrete	6.26	87.07	2	\$ 2,438	\$ 2,438	Seal Coat Manhole
17	S	D	C	SSMHT0000411	NONE W CUMBERLAND RD	Solid		No	Light	Creek	Unpaved	Above Grade	39	Std 48 Round	Concrete	4.32	62.70		\$ 650	\$ 650	Realign and Seal Casting
18	S	D	C	SSMHT0000412	NONE W CUMBERLAND RD	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	11	Std 48 Round	Concrete	11.72	155.64		\$ 650	\$ 650	Realign and Seal Casting
19	S	D	C	SSMHT0000413	NONE W CUMBERLAND RD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	36	Std 48 Round	Concrete	16.70	218.19		\$ 650	\$ 650	Realign and Seal Casting
20	S	D	C	SSMHT0000414	7596 GLADE MILL LN	Solid		No	None	Trees/Woods	Unpaved	Above Grade	22	Std 48 Round	Concrete	7.83	106.78		\$ 650	\$ 650	Realign and Seal Casting
21	S	C	C	SSMHT0000419	7578 GLADE MILL LN	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	13.16	173.73	2	\$ 4,864	\$ -	Monitor in CMOM
22	S	A	A	SSMHT0000420	1300 ELK RIVER RD	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	11.92			\$ -	\$ -	Monitor in CMOM
23	S	D	C	SSMHT0000421	1309 ELK RIVER DR	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	12.39	164.06		\$ 640	\$ 640	Repair Pipe Seal
24	S	A	A	SSMHT0000422	1545 ELK RIVER DR	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	13			\$ -	\$ -	Monitor in CMOM
25	S	B	B	SSMHT0000425	1463 ELK RIVERS DR	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	12.72			\$ -	\$ -	Monitor in CMOM
26	S	D	C	SSMHT0000430	6760 OLD JACKSONVILLE HWY	Solid		Yes	None	Trees/Woods	Unpaved	Above Grade	46	Std 48 Round	Concrete	11.94	158.41	2	\$ 5,005	\$ 5,005	Seal Coat Manhole
27	S	C	C	SSMHT0000431	6760 OLD JACKSONVILLE HWY	Solid		Yes	None	Yard	Unpaved	Above Grade	9	Std 48 Round	Concrete	16.20	211.91	2	\$ 6,574	\$ -	Monitor in CMOM
28	S	C	C	SSMHT0000432	6783 OLD JACKSONVILLE HWY	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	2	Std 48 Round	Concrete	22.98	297.07	2	\$ 8,318	\$ -	Monitor in CMOM
29	S	B	B	SSMHT0000434	620 W CUMBERLAND RD	Solid		No	Light	Creek	Unpaved	Above Grade	50	Std 48 Round	Concrete	3.98			\$ -	\$ -	Monitor in CMOM
30	S	A	A	SSMHT0000435	NONE W CUMBERLAND RD	Solid		Yes	None	Creek	Unpaved	Above Grade	38	Std 48 Round	Concrete	3.93			\$ -	\$ -	Monitor in CMOM
31	S	C	C	SSMHT0000436	NONE W CUMBERLAND RD	Solid		Yes	Light	Road Shoulder	Unpaved	Below Grade	13	Std 48 Round	Concrete	14.82	194.58		\$ 600	\$ -	Monitor in CMOM
32	S	A	A	SSMHT0000437	NONE W CUMBERLAND RD	Solid		Yes	None	Trees/Woods	Unpaved	Below Grade	7	Std 48 Round	Concrete	8.12			\$ -	\$ -	Monitor in CMOM
33	S	A	A	SSMHT0000438	NONE W CUMBERLAND RD	Solid		Yes	None	Trees/Woods	Unpaved	Above Grade	6	Std 48 Round	Concrete	7.8			\$ -	\$ -	Monitor in CMOM
34	S	B	B	SSMHT0000439	NONE W CUMBERLAND RD	Solid		Yes	None	Trees/Woods	Unpaved	Above Grade	3	Std 48 Round	Concrete	8.08			\$ -	\$ -	Monitor in CMOM
35	S	D	C	SSMHT0000440	NONE PRINCEDALE DR	Solid		Yes	Light	Trees/Woods	Unpaved	At Grade		Std 48 Round	Concrete	9.31	125.37		\$ 1,050	\$ 1,050	Realign and Seal Casting
36	S	A	A	SSMHT0000441	NONE W CUBERLAND RD	Solid		Yes	None	Trees/Woods	Unpaved	Below Grade	7	Std 48 Round	Concrete	5.3			\$ -	\$ -	Monitor in CMOM
37	S	A	A	SSMHT0000442	NONE PRINCEDALE DR	Solid		Yes	Light	Trees/Woods	Unpaved	Above Grade	15	Std 48 Round	Concrete	10.83			\$ -	\$ -	Monitor in CMOM
38	S	C	C	SSMHT0000443	NONE PRINCEDALE DR	Solid		Yes	None	Trees/Woods	Unpaved	Above Grade	8	Std 48 Round	Concrete	10.16	136.05	2	\$ 4,459	\$ -	Monitor in CMOM
39	S	C	C	SSMHT0000444	NONE PRINCEDALE DR	Solid		Yes	None	Trees/Woods	Unpaved	Above Grade	14	Std 48 Round	Concrete	10.64	142.08	2	\$ 3,978	\$ -	Monitor in CMOM
40	S	D	C	SSMHT0000445	1986 DUELING OAKS DR	Solid		No	Moderate	Trees/Woods	Unpaved	Above Grade	6	Std 48 Round	Concrete	14.90	195.58		\$ 840	\$ 840	Realign and Seal Casting
41	S	A	A	SSMHT0000462	622 COURT RIDGE DR.	Solid		No	None	Yard	Unpaved	Above Grade	6	Std 48 Round	Concrete	10.24			\$ -	\$ -	Monitor in CMOM
42	S	A	A	SSMHT0000471	7121 WALJIM ST.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	9.88			\$ -	\$ -	Monitor in CMOM
43	S	C	C	SSMHT0000485	7100 BLK. WALJIM ST.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	14.14	186.04	2	\$ 5,209	\$ -	Monitor in CMOM
44	S	D	C	SSMHT0000488	600 BLK. RIDGE CREEK DR.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	47	Std 48 Round	Concrete	8.08	109.92	2	\$ 3,078	\$ 3,078	Seal Coat Manhole
45	S	D	C	SSMHT0000505	6783 OLD JACKSONVILLE HWY	Solid		No	Severe	Yard	Unpaved	Above Grade	6	Std 48 Round	Concrete	5.36	75.76		\$ 840	\$ 840	Realign and Seal Casting
46	S	A	A	SSMHT0000522	2251 THREE LAKES PKWY	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	6.71			\$ -	\$ -	Monitor in CMOM
47	S	A	A	SSMHT0000523	2211 THREE LAKES PKWY	Solid		Yes	None	Road Shoulder	Unpaved	Below Grade	2	Std 48 Round	Concrete	8.7			\$ -	\$ -	Monitor in CMOM
48	S	D	C	SSMHT0000553	600 BLK. RIDGE CREEK DR.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	43	Std 48 Round	Concrete	7.21	99.00	2	\$ 2,772	\$ 2,772	Seal Coat Manhole



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 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
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Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
49	S	C	C	SSMHT0000563	622 COURT RIDGE	Solid		No	None	Road Shoulder	Unpaved	Above Grade	5	Std 48 Round	Concrete	9.20	123.99		\$ 650	\$ -	Monitor in CMOM
50	S	A	A	SSMHT0000569	5700 BLK. NEW COPELAND RD.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	12.52			\$ -	\$ -	Monitor in CMOM
51	S	D	C	SSMHT0000576	5500 BLK. S. DONNYBROOK AVE.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	23.04	297.82	2	\$ 8,339	\$ 8,339	Seal Coat Manhole
52	S	C	C	SSMHT0000577	5500 BLK. S. DONNYBROOK AVE.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	13.24	174.73		\$ 1,220	\$ -	Monitor in CMOM
53	S	D	C	SSMHT0000581	600 BLK. W. CUMBERLAND RD.	Solid		No	Moderate	Road Shoulder	Unpaved	Below Grade	4	Std 60 Round	Concrete	19.84	320.82	2	\$ 10,423	\$ 10,423	Seal Coat Manhole
54	S	D	C	SSMHT0000582	600 BLK. W. CUMBERLAND DR.	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	2	Std 48 Round	Concrete	11.32	150.62		\$ 650	\$ 650	Realign and Seal Casting
55	S	C	C	SSMHT0000583	600 BLK. W. CUMBERLAND DR.	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	2	Std 48 Round	Concrete	9.46	127.26		\$ 650	\$ -	Monitor in CMOM
56	S	C	C	SSMHT0000585	600 BLK. W. CUMBERLAND DR.	Solid		Yes	None	Trees/Woods	Unpaved	Above Grade	15	Std 60 Round	Concrete	9.78	162.88	2	\$ 4,561	\$ -	Monitor in CMOM
57	S	B	B	SSMHT0000624	319 AMBERWOOD CIR.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	10.62			\$ -	\$ -	Monitor in CMOM
58	S	A	A	SSMHT0000625	424 AMBERWOOD CIR.	Solid		No	None	Yard	Unpaved	Below Grade	1	Std 48 Round	Concrete	12.29			\$ -	\$ -	Monitor in CMOM
59	S	A	A	SSMHT0000626	424 AMBERWOOD CIR.	Solid		No	None	Yard	Unpaved	Below Grade	2	Std 48 Round	Concrete	12.16			\$ -	\$ -	Monitor in CMOM
60	S	D	C	SSMHT0000708	2115 HOLLY CREEK DR					Yard	Unpaved								\$ 150	\$ 150	Install Inflow Dish
61	S	D	C	SSMHT0000709	6938 PARK SLOPE	Solid		Yes	None	Trees/Woods	Unpaved	Above Grade	3	Std 48 Round	Concrete	13.85	182.40	2	\$ 5,107	\$ 5,107	Seal Coat Manhole
62	S	A	A	SSMHT0000721	2219 FIRESTONE CIR	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	12.38			\$ -	\$ -	Monitor in CMOM
63	S	C	C	SSMHT0000722	2215 FIRESTONE CIR	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	12.00	159.16		\$ 400	\$ -	Monitor in CMOM
64	S	C	C	SSMHT0000723	2213 WOODLANDS DR	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	13.54	178.50	2	\$ 5,568	\$ -	Monitor in CMOM
65	S	A	A	SSMHT0000743	3900 S. DONNYBROOK AVE.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	14.34			\$ -	\$ -	Monitor in CMOM
66	S	C	C	SSMHT0000751	4900 BLK. S. DONNYBROOK AVE.	Bolted		No	None	Road Shoulder	Unpaved	Above Grade	26	Std 48 Round	Concrete	18.96	246.58	2	\$ 6,904	\$ -	Monitor in CMOM
67	S	D	C	SSMHT0000752	821 E. SE LOOP 323	Bolted		No	Severe	Trees/Woods	Unpaved	Above Grade	23	Std 48 Round	Concrete	18.28	238.04	2	\$ 6,855	\$ 6,855	Seal Coat Manhole
68	S	C	C	SSMHT0000753	821 E. SE LOOP 323	Bolted		No	None	Trees/Woods	Unpaved	Above Grade	29	Std 48 Round	Concrete	16.32	213.42	2	\$ 5,976	\$ -	Monitor in CMOM
69	S	D	C	SSMHT0000754	419 SHILOH RD	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	15.18	199.10	2	\$ 5,575	\$ 5,575	Seal Coat Manhole
70	S	A	A	SSMHT0000828	3600 BLK OLD JACKSONVILLE HWY	Solid		Yes	None	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	9.85			\$ -	\$ -	Monitor in CMOM
71	S	A	A	SSMHT0000831	1500 WSW LOOP 323	Solid		No	Light	Yard	Unpaved	Above Grade	3	Std 48 Round	Concrete	12.94			\$ -	\$ -	Monitor in CMOM
72	S	C	C	SSMHT0000833	1500 WSW LOOP 323	Solid		No	Light	Drainage Ditch	Unpaved	Above Grade	16	Std 48 Round	Concrete	6.42	89.08		\$ 400	\$ -	Monitor in CMOM
73	S	C	C	SSMHT0000834	1500 WSW LOOP 323	Solid		No	Moderate	Drainage Ditch	Unpaved	Above Grade	8	Std 48 Round	Concrete	4.80	68.73		\$ 590	\$ -	Monitor in CMOM
74	S	D	C	SSMHT0000835	1500 WSW LOOP 323	Solid		No	Light	Drainage Ditch	Unpaved	Above Grade	12	Std 48 Round	Concrete	4.80	68.73		\$ 650	\$ 650	Realign and Seal Casting
75	S	A	A	SSMHT0000836	1500 WSW LOOP 323	Solid		No	Severe	Yard	Unpaved	Above Grade	35	Std 48 Round	Concrete	4.76			\$ -	\$ -	Monitor in CMOM
76	S	D	C	SSMHT0000837	1600 WSW LOOP 323	Solid		No	Moderate	Yard	Unpaved	Above Grade	8	Std 48 Round	Concrete	10.83	144.46		\$ 1,240	\$ 1,240	Realign and Seal Casting
77	S	C	C	SSMHT0000846	5300 BLK. NEW COPELAND RD.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	27	Std 48 Round	Concrete	14.22	187.04	2	\$ 5,237	\$ -	Monitor in CMOM
78	S	C	C	SSMHT0000847	5200 BLK. NEW COPELAND RD.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	12	Std 48 Round	Concrete	10.42	139.32	2	\$ 3,901	\$ -	Monitor in CMOM
79	S	C	C	SSMHT0000849	5300 BLK. NEW COPELAND RD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	12	Std 48 Round	Concrete	9.74	130.77	2	\$ 3,662	\$ -	Monitor in CMOM
80	S	A	A	SSMHT0001154	NA SW LOOP 323	Solid		No	Moderate	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	12.5			\$ -	\$ -	Monitor in CMOM
81	S	C	C	SSMHT0001155	3391 SW LOOP 323	Solid		Yes	None	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	10.36	138.56		\$ 850	\$ -	Monitor in CMOM
82	S	C	C	SSMHT0001355	NO NUMBER COUNTY ROAD 111	Solid		No	None	Trees/Woods	Unpaved	Above Grade	42	Std 48 Round	Concrete	12.02	159.41	2	\$ 5,104	\$ -	Monitor in CMOM
83	S	C	C	SSMHT0001356	9000BLK CHEROKEE TRAIL	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	19	Std 48 Round	Concrete	14.07	185.16		\$ 640	\$ -	Monitor in CMOM
84	S	B	B	SSMHT0001359	NA OLD JACKSONVILLE HWY.	Solid		Yes	None	Road Shoulder	Unpaved	Above Grade	13	Std 48 Round	Concrete	12.21			\$ -	\$ -	Monitor in CMOM
85	S	B	B	SSMHT0001411	5976 OLD JACKSONVILLE HWY.	Solid		No	None	Driveway	Paved - Concrete	At Grade		Std 48 Round	Concrete	15.7			\$ -	\$ -	Monitor in CMOM
86	S	D	C	SSMHT0001417	600 BLK. W. CUMBERLAND DR.	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	35	Std 48 Round	Concrete	17.19	224.35		\$ 650	\$ 650	Realign and Seal Casting
87	S	C	C	SSMHT0001492	1700 BLK LAKE PLACID RD	Vented	2	No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	5.84	81.79	2	\$ 2,290	\$ -	Monitor in CMOM
88	S	C	C	SSMHT0001493	1700 BLK LAKE PLACID RD	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	6.54	90.58		\$ 400	\$ -	Monitor in CMOM
89	S	A	A	SSMHT0001532	3903 DRIFTWOOD LN.	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	4.72			\$ -	\$ -	Monitor in CMOM
90	S	C	C	SSMHT0001533	3911 DRIFTWOOD LN.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	4.92	70.24		\$ 400	\$ -	Monitor in CMOM
91	S	A	A	SSMHT0001534	3819 DRIFTWOOD LN.	Vented	1	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	4.45			\$ -	\$ -	Monitor in CMOM
92	S	B	B	SSMHT0001535	3715 DRIFTWOOD LN	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	5.12			\$ -	\$ -	Monitor in CMOM
93	S	C	C	SSMHT0001536	1531 WOODLAND HILLS DR	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	4.35	63.08	2	\$ 1,766	\$ -	Monitor in CMOM
94	S	A	A	SSMHT0001537	3400 BLK OLD JACKSONVILLE HWY	Solid		No	None	Parking Lot	Paved - Concrete	At Grade		Std 48 Round	Concrete	5.32			\$ -	\$ -	Monitor in CMOM
95	S	A	A	SSMHT0001548	1700 BLK. RICE RD.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	11.32			\$ -	\$ -	Monitor in CMOM
96	S	D	C	SSMHT0001549	1620 RICE RD	Solid		Yes	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	9.22	124.24	2	\$ 3,479	\$ 3,479	Seal Coat Manhole



Manhole Remediation Plan

Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A – Very Good Condition
- B – Good Condition
- C – Fair Condition
- D – Poor Condition
- E – Very Poor Condition

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
97	S	D	C	SSMHT0001550	1550 RICE RD	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	9.67	129.90	2	\$ 4,277	\$ 4,277	Seal Coat Manhole
98	S	D	C	SSMHT0001551	1512 RICE RD					Street	Paved - Asphalt	Below Grade	5						\$ 150	\$ 150	Install Inflow Dish
99	S	D	C	SSMHT0001560	5709 PLANTATION DR	Solid		No	Severe	Trees/Woods	Unpaved	Above Grade	8	Std 48 Round	Concrete	10.10	135.30	2	\$ 4,628	\$ 4,628	Seal Coat Manhole
100	S	C	C	SSMHT0001561	1309 W. RIECK ST.	Bolted		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	14.28	187.80		\$ 640	\$ -	Monitor in CMOM
101	S	C	C	SSMHT0001570	1202 W. RIECK RD.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	5.88	82.29		\$ 550	\$ -	Monitor in CMOM
102	S	D	C	SSMHT0001571	5602 HOLLEYTREE DR.	Solid		Yes	None	Gutter	Paved - Asphalt	At Grade		Std 48 Round	Concrete	18.51	240.93		\$ 1,620	\$ 1,620	Replace Ring and Cover
103	S	C	C	SSMHT0001572	1208 W. RIECK RD.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	7.90	107.66		\$ 400	\$ -	Monitor in CMOM
104	S	D	C	SSMHT0001573	1302 W. RIECK RD.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	10.82	144.34	2	\$ 4,541	\$ 4,541	Seal Coat Manhole
105	S	D	C	SSMHT0001644	6000 BLK. SPRING CREEK DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	36	Std 48 Round	Concrete	11.26	149.87	2	\$ 4,846	\$ 4,846	Seal Coat Manhole
106	S	D	C	SSMHT0001645	6000 BLK. SPRING CREEK DR.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	38	Std 48 Round	Concrete	9.76	131.03	2	\$ 4,319	\$ 4,319	Seal Coat Manhole
107	S	B	B	SSMHT0001646	6200 BLK. SPRING CREEK DR.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	22	Std 48 Round	Concrete	16.04			\$ -	\$ -	Monitor in CMOM
108	S	A	A	SSMHT0001649	700 BLK. RIDGE PLACE CIR.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	58	Std 48 Round	Concrete	14.83			\$ -	\$ -	Monitor in CMOM
109	S	D	C	SSMHT0001689	500 BLK. SHILOH RD.	Solid				Yard	Unpaved	Above Grade	1						\$ 150	\$ 150	Install Inflow Dish
110	S	C	C	SSMHT0001690	5000 BLK. DONNYBROOK DR.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	13.30	175.49	2	\$ 4,914	\$ -	Monitor in CMOM
111	S	D	C	SSMHT0001697	1505 W GRANDE BLVD	Solid		No	Light	Yard	Unpaved	Above Grade	4	Std 48 Round	Concrete	18.26	237.79		\$ 650	\$ 650	Realign and Seal Casting
112	S	D	C	SSMHT0001698	1505 W GRANDE BLVD	Solid		No	None	Yard	Unpaved	Above Grade	42	CO 6"	Concrete	16.66		2	\$ 650	\$ 650	Realign and Seal Casting
113	S	C	C	SSMHT0001705	2010 PINEHURST ST	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	12	Std 48 Round	Concrete	11.25	149.74		\$ 1,500	\$ -	Monitor in CMOM
114	S	A	A	SSMHT0001706	2013 HOLLY CREEK DR	Solid		Yes	None	Yard	Unpaved	Above Grade	4	Std 48 Round	Concrete	12.02			\$ -	\$ -	Monitor in CMOM
115	S	D	C	SSMHT0001707	7010 CHERRYHILL DR	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	10.98	146.35	2	\$ 4,738	\$ 4,738	Seal Coat Manhole
116	S	C	C	SSMHT0002190	3901 SW LOOP 323	Solid		Yes	None	Road Shoulder	Unpaved	Above Grade	2	Std 48 Round	Concrete	10.00	134.04		\$ 1,290	\$ -	Monitor in CMOM
117	S	A	A	SSMHT0002191	3915 SW LOOP 323	Solid		Yes	None	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	8.89			\$ -	\$ -	Monitor in CMOM
118	S	A	A	SSMHT0002329	4198 FRANKSTON HWY	Solid		Yes	None	Road Shoulder	Unpaved	Below Grade	2	Std 48 Round	Concrete	7.62			\$ -	\$ -	Monitor in CMOM
119	S	C	C	SSMHT0002388	3500 S VINE AVE	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	8.82	119.22		\$ 570	\$ -	Monitor in CMOM
120	S	A	A	SSMHT0002425	5000 BLK. HOLLYTREE DR.	Solid		No	Light	Road Shoulder	Unpaved	Below Grade	1	Std 48 Round	Concrete	12.56			\$ -	\$ -	Monitor in CMOM
121	S	D	C	SSMHT0002464	600 BLK. CUMBERLAND RD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	41	Std 48 Round	Concrete	14.24	187.29		\$ 650	\$ 650	Realign and Seal Casting
122	S	D	C	SSMHT0002465	600 BLK. W. CUMBERLAND RD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	32	Std 48 Round	Concrete	13.38	176.49		\$ 650	\$ 650	Realign and Seal Casting
123	S	D	C	SSMHT0002466	600 BLK. W. CUMBERLAND RD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	36	Std 48 Round	Concrete	15.91	208.27		\$ 650	\$ 650	Realign and Seal Casting
124	S	D	C	SSMHT0002514	3500 S VINE ST	Solid		Yes	None	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	7.66	104.65		\$ 150	\$ 150	Replace Lid
125	S	C	C	SSMHT0002515	3500 S VINE AVE	Solid		No	Light	Yard	Unpaved	At Grade		Std 48 Round	Concrete	8.82	119.22	2	\$ 3,338	\$ -	Monitor in CMOM
126	S	D	C	SSMHT0002516	3500 S VINE AVE	Solid		Yes	None	Parking Lot	Paved - Concrete	At Grade		Std 48 Round	Concrete	9.33	125.62		\$ 720	\$ 720	Repair Bench
127	S	D	C	SSMHT0003318	2700 SUNNYBROOK DR	Vented	2	No	Moderate	Yard	Unpaved	At Grade		Std 48 Round	Brick	7.34	100.63	2	\$ 3,008	\$ 3,008	Seal Coat Manhole
128	S	D	C	SSMHT0003370	1500 WSW LOOP 323	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	1	Std 48 Round	Concrete	12.64	167.20	2	\$ 4,682	\$ 4,682	Seal Coat Manhole
129	S	D	C	SSMHT0003371	1500 WSW LOOP 323	Solid		Yes	Light	Road Shoulder	Unpaved	Above Grade	7	Std 48 Round	Concrete	11.26	149.87	2	\$ 5,346	\$ 5,346	Seal Coat Manhole
130	S	D	C	SSMHT0003372	1500 WSW LOOP 323	Vented	2	Yes	Light	Sidewalk	Paved - Concrete	At Grade		Std 48 Round	Brick	7.86	107.16	2	\$ 4,591	\$ 4,591	Seal Coat Manhole
131	S	A	A	SSMHT0003373	4102 DRIFTWOOD LN.	Solid		No	None	Gutter	Paved - Asphalt	At Grade		Std 48 Round	Brick	6.71			\$ -	\$ -	Monitor in CMOM
132	S	A	A	SSMHT0003374	4010 DRIFTWOOD LN.	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	5.76			\$ -	\$ -	Monitor in CMOM
133	S	D	C	SSMHT0003376	1500 WSW LOOP 323	Solid				Field	Unpaved	At Grade							\$ 150	\$ 150	Install Inflow Dish
134	S	C	C	SSMHT0003384	1500 WSW LOOP 323	Solid		No	None	Trees/Woods	Unpaved	Above Grade	17	Std 48 Round	Concrete	11.24	149.61		\$ 650	\$ -	Monitor in CMOM
135	S	C	C	SSMHT0003385	4411 KINSEY DR	Solid		No	None	Yard	Unpaved	Above Grade	24	Std 48 Round	Concrete	14.48	190.31		\$ 400	\$ -	Monitor in CMOM
136	S	D	C	SSMHT0003386	1357 DOMINION PLAZA	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	25	Std 48 Round	Concrete	9.18	123.74		\$ 650	\$ 650	Realign and Seal Casting
137	S	A	A	SSMHT0003465	800 BLK. RICE RD.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	8.38			\$ -	\$ -	Monitor in CMOM
138	S	B	B	SSMHT0003466	800 BLK. RICE RD.	Solid		No	None	Street	Paved - Asphalt	At Grade		30	Concrete	5.82			\$ -	\$ -	Monitor in CMOM
139	S	B	B	SSMHT0003467	800 BLK. RICE RD.	Solid		Yes	None	Street	Paved - Asphalt	Below Grade	1	30	Concrete	5.96			\$ -	\$ -	Monitor in CMOM
140	S	A	A	SSMHT0003468	800 BLK. RICE RD.	Vented	2	No	None	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	4.5			\$ -	\$ -	Monitor in CMOM
141	S	D	C	SSMHT0003469	800 BLK. RICE RD.	Solid				Yard	Unpaved								\$ 150	\$ 150	Install Inflow Dish
142	S	A	A	SSMHT0003470	800 BLK. RICE RD.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	8.64			\$ -	\$ -	Monitor in CMOM
143	S	A	A	SSMHT0003471	800 BLK. RICE RD.	Vented	2	Yes	None	Road Shoulder	Unpaved	Above Grade	1	Std 48 Round	Concrete	12.64			\$ -	\$ -	Monitor in CMOM
144	S	C	C	SSMHT0003472	800 BLK. RICE RD.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	9.00	121.48		\$ 400	\$ -	Monitor in CMOM



Manhole Remediation Plan

Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A – Very Good Condition
- B – Good Condition
- C – Fair Condition
- D – Poor Condition
- E – Very Poor Condition

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
145	S	A	A	SSMHT0003508	825 CARRIAGE DR.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	8.62			\$ -	\$ -	Monitor in CMOM
146	S	A	A	SSMHT0003514	821 SPRING CREEK DR.	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	6.62			\$ -	\$ -	Monitor in CMOM
147	S	C	C	SSMHT0003519	5311 SPRING CREEK DR.	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	7.30	100.13		\$ 400	\$ -	Monitor in CMOM
148	S	A	A	SSMHT0003520	5411 SPRING CREEK DR.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Sealed Concrete	7.36			\$ -	\$ -	Monitor in CMOM
149	S	A	A	SSMHT0003521	5423 SPRING CREEK DR.	Vented	2	Yes	None	Yard	Unpaved	Above Grade	1	Std 48 Round	Brick	8.74			\$ -	\$ -	Monitor in CMOM
150	S	C	C	SSMHT0003528	5503 SPRING CREEK DR.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	7.54	103.14		\$ 400	\$ -	Monitor in CMOM
151	S	D	C	SSMHT0003529	5601 SPRING CREEK DR.	Solid		No	Light	Yard	Unpaved	Below Grade	4	Std 48 Round	Concrete	19.48	253.11		\$ 1,190	\$ 1,190	Raise Casting
152	S	D	C	SSMHT0003536	4901 KINSEY DR	Solid		No	Moderate	Yard	Unpaved	Above Grade	6	Std 48 Round	Concrete	10.49	140.19		\$ 840	\$ 840	Realign and Seal Casting
153	S	C	C	SSMHT0003537	4903 KINSEY DR.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	24	Std 48 Round	Concrete	10.10	135.30		\$ 650	\$ -	Monitor in CMOM
154	S	D	C	SSMHT0003540	1505 W GRANDE BLVD	Solid		No	Severe	Yard	Unpaved	Above Grade	6	Std 48 Round	Concrete	24.94	321.69	2	\$ 9,847	\$ 9,847	Seal Coat Manhole
155	S	D	C	SSMHT0003541	1505 W GRANDE BLVD	Solid		No	Moderate	Yard	Unpaved	Above Grade	4	Std 48 Round	Concrete	18.63	242.43	2	\$ 7,618	\$ 7,618	Seal Coat Manhole
156	S	C	C	SSMHT0003542	1400 BLK GRANDE BLVD	Solid		No	None	Road Shoulder	Unpaved	Above Grade	58	Std 48 Round	Concrete	12.48	165.19	2	\$ 5,195	\$ -	Monitor in CMOM
157	S	D	C	SSMHT0003543	1400 BLK GRANDE BLVD	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	7	Std 48 Round	Concrete	11.65	154.76	2	\$ 4,333	\$ 4,333	Seal Coat Manhole
158	S	D	C	SSMHT0003544	1400 BLK GRANDE BLVD	Solid		No	Light	Yard	Unpaved	Above Grade	6	Std 48 Round	Concrete	12.16	161.17		\$ 650	\$ 650	Realign and Seal Casting
159	S	C	C	SSMHT0003546	6100 HOLLEYTREE DR.	Solid		No	None	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	6.24	86.81		\$ 950	\$ -	Monitor in CMOM
160	S	D	C	SSMHT0003557	2000 BLK. W. GRANDE BLVD.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	18.68	243.06		\$ 650	\$ 650	Install Chimney Seal
161	S	D	C	SSMHT0003558	1698 W. GRANDE BLVD.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	11.42	151.88	2	\$ 4,753	\$ 4,753	Seal Coat Manhole
162	S	C	C	SSMHT0003559	1504 W. GRANDE BLVD.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	10.18	136.30	2	\$ 4,316	\$ -	Monitor in CMOM
163	S	A	A	SSMHT0003561	6100 HOLLEYTREE DR.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	12.7			\$ -	\$ -	Monitor in CMOM
164	S	C	C	SSMHT0003565	1504 W. GRANDE BLVD.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	12.12	160.67	2	\$ 5,069	\$ -	Monitor in CMOM
165	S	D	C	SSMHT0003566	5516 HOLLYTREE DR.	Vented	2	Yes	None	Road Shoulder	Unpaved	Below Grade	1	Std 48 Round	Concrete	18.32	238.54		\$ 1,140	\$ 1,140	Repair Pipe Seal
166	S	D	C	SSMHT0003567	5476 HOLLYTREE DR.	Solid		No	Light	Road Shoulder	Unpaved	Below Grade	3	Std 48 Round	Concrete	15.70	205.63	2	\$ 6,548	\$ 6,548	Seal Coat Manhole
167	S	C	C	SSMHT0003576	4910 S. BROADWAY AVE.	Solid		No	Light	Gutter	Paved - Concrete	At Grade		Std 48 Round	Brick	13.80	181.77	2	\$ 5,090	\$ -	Monitor in CMOM
168	S	A	A	SSMHT0003584	5601 SPRING CREEK DR.	Solid		No	None	Road Shoulder	Paved - Concrete	At Grade		Std 48 Round	Concrete	20.06			\$ -	\$ -	Monitor in CMOM
169	S	D	C	SSMHT0003585	5703 SPRING CREEK DR.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	14.20	186.79	2	\$ 6,370	\$ 6,370	Seal Coat Manhole
170	S	C	C	SSMHT0003586	5703 SPRING CREEK DR.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	13.28	175.24		\$ 500	\$ -	Monitor in CMOM
171	S	A	A	SSMHT0003590	5711 SPRING CREEK DR.	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	11.12			\$ -	\$ -	Monitor in CMOM
172	S	A	A	SSMHT0003595	702 CHIMNEY ROCK DR.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	15.58			\$ -	\$ -	Monitor in CMOM
173	S	A	A	SSMHT0003596	716 CHIMNEY ROCK DR.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Sealed Concrete	7.86			\$ -	\$ -	Monitor in CMOM
174	S	A	A	SSMHT0003597	5000 BLK. SPRING CREEK DR.	Solid		No	None	Field	Unpaved	Above Grade	7	Std 48 Round	Concrete	11.58			\$ -	\$ -	Monitor in CMOM
175	S	C	C	SSMHT0003598	5000 BLK. SPRING CREEK DR.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	31	Std 48 Round	Concrete	12.02	159.41	2	\$ 4,464	\$ -	Monitor in CMOM
176	S	D	C	SSMHT0003599	5000 BLK. SPRING CREEK DR.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	58	Std 48 Round	Concrete	13.30	175.49		\$ 650	\$ 650	Realign and Seal Casting
177	S	A	A	SSMHT0003630	3613 S. BROADWAY AVE.	Vented	2	Yes	None	Parking Lot	Paved - Asphalt	At Grade		Std 60 Round	Sealed Brick	10.2	169.47		\$ -	\$ -	Monitor in CMOM
178	S	B	B	SSMHT0003632	4910 S. BROADWAY AVE.	Solid		Yes	None	Road Shoulder	Unpaved	Below Grade	1	Std 48 Round	Concrete	14.42			\$ -	\$ -	Monitor in CMOM
179	S	A	A	SSMHT0003633	100 BLK. SHILOH RD.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	14.83			\$ -	\$ -	Monitor in CMOM
180	S	A	A	SSMHT0003634	100 BLK. SHILOH RD.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	14.97			\$ -	\$ -	Monitor in CMOM
181	S	A	A	SSMHT0003637	NONE OLD BULLARD RD	Solid		No	Moderate	Gutter	Paved - Concrete	At Grade		Std 48 Round	Concrete	8.48			\$ -	\$ -	Monitor in CMOM
182	S	A	A	SSMHT0003652	6000 BLK. SPRING CREEK DR.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	46	Std 48 Round	Sealed Concrete	13.62			\$ -	\$ -	Monitor in CMOM
183	S	A	A	SSMHT0003654	6000 BLK. SPRING CREEK DR.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	13.58			\$ -	\$ -	Monitor in CMOM
184	S	C	C	SSMHT0003655	6100 BLK. SPRING CREEK DR.	Solid		Yes	None	Gutter	Paved - Asphalt	At Grade		Std 48 Round	Concrete	12.78	168.96		\$ 640	\$ -	Monitor in CMOM
185	S	A	A	SSMHT0003656	6100 BLK. SPRING CREEK DR.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	12.32			\$ -	\$ -	Monitor in CMOM
186	S	D	C	SSMHT0003657	618 SPRING CREEK DR.	Solid		No	Moderate	Road Shoulder	Unpaved	Above Grade	4	Std 48 Round	Concrete	14.54	191.06		\$ 840	\$ 840	Realign and Seal Casting
187	S	D	C	SSMHT0003658	618 SPRING CREEK DR.	Solid		No	Moderate	Road Shoulder	Unpaved	Above Grade	9	Std 48 Round	Concrete	16.10	210.66		\$ 840	\$ 840	Realign and Seal Casting
188	S	D	C	SSMHT0003660	6000 BLK. SPRING CREEK DR.	Solid		No	None	Yard	Unpaved	Above Grade	21	Std 48 Round	Concrete	12.16	161.17		\$ 650	\$ 650	Realign and Seal Casting
189	S	A	A	SSMHT0003661	400 BLK. GRANDE BLVD.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	13.71			\$ -	\$ -	Monitor in CMOM
190	S	D	C	SSMHT0003662	6000 BLK. SPRING CREEK DR.	Solid		No	None	Yard	Unpaved	Above Grade	61	Std 48 Round	Concrete	11.32	150.62		\$ 650	\$ 650	Realign and Seal Casting
191	S	A	A	SSMHT0003668	6000 BLK. S. BROADWAY AVE.	Solid		Yes	None	Trees/Woods	Unpaved	Above Grade	59	Std 48 Round	Concrete	21.7			\$ -	\$ -	Monitor in CMOM
192	S	A	A	SSMHT0003670	6000 BLK. S. BROADWAY AVE.	Solid		No	None	Field	Unpaved	Above Grade	46	Std 48 Round	Concrete	18.42			\$ -	\$ -	Monitor in CMOM



Manhole Remediation Plan

Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

A – Very Good Condition
 B – Good Condition
 C – Fair Condition
 D – Poor Condition
 E – Very Poor Condition

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
193	S	C	C	SSMHT0003671	6000 BLK. S. BROADWAY AVE.	Solid		No	None	Yard	Unpaved	Above Grade	31	Std 48 Round	Concrete	22.00	284.76		\$ 640	\$ -	Monitor in CMOM
194	S	C	C	SSMHT0003672	6000 BLK. S. BROADWAY AVE.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	11	Std 48 Round	Concrete	26.32	339.02	2	\$ 9,493	\$ -	Monitor in CMOM
195	S	D	C	SSMHT0003673	6205 S. BROADWAY AVE.	Solid		No	None	Driveway	Paved - Asphalt	At Grade		Std 48 Round	Concrete	22.84	295.31	2	\$ 8,269	\$ 8,269	Seal Coat Manhole
196	S	D	C	SSMHT0003679	6311 S. BROADWAY	Solid		No	None	Road Shoulder	Unpaved	Above Grade	1	Std 48 Round	Concrete	16.06	210.15		\$ 640	\$ 640	Repair Pipe Seal
197	S	A	A	SSMHT0003680	6000 BLK. S. BROADWAY AVE.	Solid		Yes	None	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	14.18			\$ -	\$ -	Monitor in CMOM
198	S	D	C	SSMHT0003681	6000 BLK. S. BROADWAY AVE.	Solid		No	Light	Parking Lot	Paved - Concrete	At Grade		Std 48 Round	Concrete	16.62	217.19	2	\$ 6,081	\$ 6,081	Seal Coat Manhole
199	S	B	B	SSMHT0003682	6000 BLK. S. BROADWAY AVE.	Solid		Yes	None	Parking Lot	Paved - Concrete	At Grade		Std 48 Round	Concrete	18.82			\$ -	\$ -	Monitor in CMOM
200	S	D	C	SSMHT0003705	898 LA VISTA DR	Solid		No	None	Road Shoulder	Unpaved	Above Grade	42	Std 48 Round	Concrete	11.17	148.74	2	\$ 5,455	\$ 5,455	Seal Coat Manhole
201	S	D	C	SSMHT0003707	1409 ROYAL OAK DR	Solid		No	None	Yard	Unpaved	Above Grade	41	Std 48 Round	Concrete	11.20	149.11	2	\$ 5,395	\$ 5,395	Seal Coat Manhole
202	S	A	A	SSMHT0003711	6602 GLENEAGLES DR.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	7.24			\$ -	\$ -	Monitor in CMOM
203	S	D	C	SSMHT0003712	6602 GLENEAGLES DR.	Solid				Road Shoulder	Unpaved								\$ 150	\$ 150	Install Inflow Dish
204	S	A	A	SSMHT0003713	6701 GLENEAGLES DR.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	5.62			\$ -	\$ -	Monitor in CMOM
205	S	C	C	SSMHT0003714	6804 GLENEAGLES DR.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	11.22	149.36	2	\$ 4,182	\$ -	Monitor in CMOM
206	S	A	A	SSMHT0003715	6800 GLENEAGLES DR.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	6.9			\$ -	\$ -	Monitor in CMOM
207	S	C	C	SSMHT0003719	6301 GLENEAGLES DR.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	18.20	237.03		\$ 400	\$ -	Monitor in CMOM
208	S	C	C	SSMHT0003720	6301 GLENEAGLES DR.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	18.44	240.05		\$ 500	\$ -	Monitor in CMOM
209	S	D	C	SSMHT0003724	6502 GLENEAGLES DR.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	8.18	111.18	2	\$ 3,113	\$ 3,113	Seal Coat Manhole
210	S	C	C	SSMHT0003731	6401 GLENEAGLES DR.	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	14.20	186.79		\$ 400	\$ -	Monitor in CMOM
211	S	D	C	SSMHT0003732	700 BLK. RIDGE PLACE DR.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	22	Std 48 Round	Concrete	16.02	209.65		\$ 650	\$ 650	Realign and Seal Casting
212	S	D	C	SSMHT0003733	700 BLK. RIDGE PLACE CIR.	Solid		No	None	Yard	Unpaved	Above Grade	33	Std 48 Round	Concrete	15.96	208.90		\$ 650	\$ 650	Realign and Seal Casting
213	S	D	C	SSMHT0003734	6700 HOLLY TREE DR	Solid		No	Severe	Yard	Unpaved	At Grade		Std 48 Round	Concrete	11.34	150.87		\$ 840	\$ 840	Realign and Seal Casting
214	S	D	C	SSMHT0003735	6700 HOLLY TREE DR	Solid		No	Moderate	Field	Unpaved	Above Grade	8	Std 48 Round	Concrete	12.64	167.20	2	\$ 6,162	\$ 6,162	Seal Coat Manhole
215	S	C	C	SSMHT0003736	6700 HOLLYTREE DR	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	15.80	206.89	2	\$ 7,003	\$ -	Monitor in CMOM
216	S	A	A	SSMHT0003755	7282 HOLLYTREE DR.	Solid		No	None	Yard	Unpaved	Above Grade	27	Std 48 Round	Concrete	5.42			\$ -	\$ -	Monitor in CMOM
217	S	A	A	SSMHT0003756	7282 HOLLYTREE DR.	Bolted		No	None	Yard	Unpaved	Above Grade	4	Std 48 Round	Concrete	4.26			\$ -	\$ -	Monitor in CMOM
218	S	A	A	SSMHT0003757	7282 HOLLYTREE DR.	Solid		No	None	Field	Unpaved	Above Grade	23	Std 48 Round	Sealed Concrete	4.02			\$ -	\$ -	Monitor in CMOM
219	S	A	A	SSMHT0003763	1700 BLK. RICE RD.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	12.51			\$ -	\$ -	Monitor in CMOM
220	S	A	A	SSMHT0003783	1402 SPYGLASS COVE	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	6.68			\$ -	\$ -	Monitor in CMOM
221	S	C	C	SSMHT0003788	600 BLK. CUMBRLAND RD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	50	Std 48 Round	Concrete	14.06	185.03	2	\$ 5,181	\$ -	Monitor in CMOM
222	S	C	C	SSMHT0003790	600 BLK. PRESTONWOOD CIR.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	15	Std 48 Round	Concrete	14.00	184.28	2	\$ 5,160	\$ -	Monitor in CMOM
223	S	B	B	SSMHT0003791	600 BLK. PRESTONWOOD CIR.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	38	Std 48 Round	Concrete	17.24			\$ -	\$ -	Monitor in CMOM
224	S	D	C	SSMHT0003794	6200 BLK. SPRING CREEK DR.	Solid		No	Severe	Trees/Woods	Unpaved	Above Grade	28	Std 48 Round	Concrete	16.50	215.68		\$ 840	\$ 840	Realign and Seal Casting
225	S	D	C	SSMHT0003797	400 BLK. GRANDE BLVD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	15	Std 48 Round	Concrete	13.86	182.52		\$ 650	\$ 650	Realign and Seal Casting
226	S	D	C	SSMHT0003798	400 BLK. GRANDE BLVD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	20	Std 48 Round	Concrete	14.38	189.05		\$ 650	\$ 650	Realign and Seal Casting
227	S	C	C	SSMHT0003816	400 BLK. GRANDE BLVD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	53	Std 48 Round	Concrete	18.85	245.20	2	\$ 6,865	\$ -	Monitor in CMOM
228	S	C	C	SSMHT0003828	7000 BLK RIDGE CREEK DR	Solid		No	Light	Field	Unpaved	Above Grade	22	Std 48 Round	Concrete	16.15	211.28	2	\$ 5,916	\$ -	Monitor in CMOM
229	S	D	C	SSMHT0003829	600 BLK. RIDGE CREEK DR.	Solid		No	None	Yard	Unpaved	Above Grade	40	Std 48 Round	Concrete	15.12	198.35		\$ 1,690	\$ 1,690	Realign and Seal Casting
230	S	C	C	SSMHT0003830	700 BLK. RIDGE PLACE CIR.	Solid		No	None	Yard	Unpaved	Above Grade	47	Std 48 Round	Concrete	16.29	213.04	2	\$ 6,605	\$ -	Monitor in CMOM
231	S	B	B	SSMHT0003838	600 BLK. RIDGE CREEK DR.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	35	Std 48 Round	Sealed Concrete	10.7			\$ -	\$ -	Monitor in CMOM
232	S	A	A	SSMHT0003839	400 BLK. W. SOUTH TOWN RD.	Solid		No	None	Yard	Unpaved	Above Grade	3	Std 48 Round	Concrete	13.32			\$ -	\$ -	Monitor in CMOM
233	S	C	C	SSMHT0003840	600 BLK. RIDGE CREEK DR.	Solid		No	None	Field	Unpaved	Above Grade	47	Std 48 Round	Concrete	8.36	113.44	2	\$ 3,176	\$ -	Monitor in CMOM
234	S	A	A	SSMHT0003844	7100 BLK. WALJIM ST.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	5.7			\$ -	\$ -	Monitor in CMOM
235	S	A	A	SSMHT0003849	300 BLK. MULLER GARDEN RD.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	10.36			\$ -	\$ -	Monitor in CMOM
236	S	A	A	SSMHT0003850	300 BLK. MULLER GARDEN RD.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	10.76			\$ -	\$ -	Monitor in CMOM
237	S	A	A	SSMHT0003851	200 BLK. MULLER GARDEN RD.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	9.6			\$ -	\$ -	Monitor in CMOM
238	S	C	C	SSMHT0003863	600 BLK. COURT CREST DR.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	38	Std 48 Round	Concrete	15.51	203.25		\$ 640	\$ -	Monitor in CMOM
239	S	D	C	SSMHT0003901	1100 BLK. RICE RD.	Solid			Moderate	Road Shoulder	Unpaved	Below Grade	2						\$ 150	\$ 150	Install Inflow Dish
240	S	C	C	SSMHT0003902	1100 BLK. RICE RD.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	14.76	193.83	2	\$ 5,427	\$ -	Monitor in CMOM



Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A – Very Good Condition
- B – Good Condition
- C – Fair Condition
- D – Poor Condition
- E – Very Poor Condition

Manhole Remediation Plan

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
241	S	B	B	SSMHT0003903	1100 BLK. RICE RD.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	15.19			\$ -	\$ -	Monitor in CMOM
242	S	A	A	SSMHT0003905	800 BLK. RICE RD.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	13.48			\$ -	\$ -	Monitor in CMOM
243	S	A	A	SSMHT0003906	5000 BLK. HOLLYTREE DR.	Solid		No	Moderate	Road Shoulder	Unpaved	Below Grade	1	Std 48 Round	Sealed Concrete	15.47			\$ -	\$ -	Monitor in CMOM
244	S	C	C	SSMHT0003907	5300 BLK. HOLLYTREE DR.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	2	Std 48 Round	Concrete	14.27	187.67		\$ 400	\$ -	Monitor in CMOM
245	S	D	C	SSMHT0003914	600 BLK. CUMBERLAND RD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	32	Std 48 Round	Concrete	16.46	215.18		\$ 650	\$ 650	Realign and Seal Casting
246	S	B	B	SSMHT0003915	600 BLK. CUMBERLAND RD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	57	Std 48 Round	Concrete	14.52			\$ -	\$ -	Monitor in CMOM
247	S	D	C	SSMHT0003916	600 BLK. CUMBERLAND RD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	46	Std 48 Round	Concrete	14.04	184.78		\$ 650	\$ 650	Realign and Seal Casting
248	S	D	C	SSMHT0003917	1300 BLK. RICE RD.	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Sealed Concrete	12.20	161.67		\$ 150	\$ 150	Replace Lid
249	S	B	B	SSMHT0003933	5000 BLK. HOLLYTREE DR.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	11.72			\$ -	\$ -	Monitor in CMOM
250	S	C	C	SSMHT0003968	2800 SUNNYBROOK DR	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	6.13	85.43	2	\$ 2,962	\$ -	Monitor in CMOM
251	S	D	C	SSMHT0003971	2810 SUNNYBROOK DR				Severe	Street	Paved - Asphalt	Below Grade							\$ 150	\$ 150	Install Inflow Dish
252	S	A	A	SSMHT0003985	2924 SUNNYBROOK DR	Vented	2	No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	12.1			\$ -	\$ -	Monitor in CMOM
253	S	A	A	SSMHT0003987	300 BELMEAD LN	Vented	2	No	Moderate	Street	Paved - Asphalt	Below Grade	2	Std 48 Round	Brick	7.56			\$ -	\$ -	Monitor in CMOM
254	S	A	A	SSMHT0003988	3101 BELMEAD LN	Solid	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	8.62			\$ -	\$ -	Monitor in CMOM
255	S	D	C	SSMHT0003989	2800 BLK US HWY 69	Vented	2	No	Light	Sidewalk	Paved - Concrete	At Grade		Std 48 Round	Brick	15.41	201.99	2	\$ 6,876	\$ 6,876	Seal Coat Manhole
256	S	A	A	SSMHT0004053	3100 BLK. SUNNYBROOK DR.	Vented	2	No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	9.44			\$ -	\$ -	Monitor in CMOM
257	S	A	A	SSMHT0004054	3108 SUNNYBROOK DR	Vented	2	No	Moderate	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	9.76			\$ -	\$ -	Monitor in CMOM
258	S	A	A	SSMHT0004062	3000 SUNNYBROOK DR	Vented	2	No	Moderate	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	13.08			\$ -	\$ -	Monitor in CMOM
259	S	D	C	SSMHT0004063	3023 SUNNYBROOK DR.	Vented	1	No	Light	Street	Paved - Asphalt	At Grade		Std 60 Round	Brick	10.10	167.90	2	\$ 4,701	\$ 4,701	Seal Coat Manhole
260	S	C	C	SSMHT0004070	3100 BLK. SUNNYBROOK DR.	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	1	Std 48 Round	Concrete	11.84	157.15		\$ 650	\$ -	Monitor in CMOM
261	S	D	C	SSMHT0004073	3300 BLK. SUNNYBROOK DR.	Solid				Gutter	Paved - Asphalt	At Grade							\$ 150	\$ 150	Install Inflow Dish
262	S	A	A	SSMHT0004077	3310 OLD BULLARD RD	Vented	2	No	Moderate	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	6			\$ -	\$ -	Monitor in CMOM
263	S	D	C	SSMHT0004078	3310 OLD BULLARD RD.	Vented	2	No	Light	Yard	Unpaved	Above Grade	1	Std 48 Round	Brick	8.14	110.68	2	\$ 3,099	\$ 3,099	Seal Coat Manhole
264	S	A	A	SSMHT0004081	3400 BLK. OLD BULLARD RD.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	8.76			\$ -	\$ -	Monitor in CMOM
265	S	D	C	SSMHT0004091	3320 OLD BULLARD RD.	Vented	2	No	Moderate	Gutter	Paved - Concrete	At Grade		Std 48 Round	Brick	6.24	86.81		\$ 190	\$ 190	Install Inflow Dish
266	S	C	C	SSMHT0004099	3300 BLK. SUNNYBROOK DR.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	8.46	114.70		\$ 500	\$ -	Monitor in CMOM
267	S	C	C	SSMHT0004100	3201 BELMEAD LN	Vented	2	Yes	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	10.24	137.05		\$ 400	\$ -	Monitor in CMOM
268	S	A	A	SSMHT0004102	6100 HOLLEYTREE DR.	Solid		No	Light	Street	Paved - Concrete	At Grade		36	Concrete	3.2			\$ -	\$ -	Monitor in CMOM
269	S	D	C	SSMHT0004103	6100 HOLLEYTREE DR.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	30	Std 48 Round	Concrete	6.40	88.82		\$ 650	\$ 650	Realign and Seal Casting
270	S	C	C	SSMHT0004104	400 BLK. GRANDE BLVD.	Solid		No	Moderate	Drainage Ditch	Paved - Concrete	Above Grade	70	Std 48 Round	Concrete	17.24	224.97		\$ 690	\$ -	Monitor in CMOM
271	S	A	A	SSMHT0004114	604 CHIMNEY ROCK DR.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	11.8			\$ -	\$ -	Monitor in CMOM
272	S	A	A	SSMHT0004117	604 CHIMNEY ROCK DR.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	12.3			\$ -	\$ -	Monitor in CMOM
273	S	A	A	SSMHT0004129	NONE OLD BULLARD RD	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	7.39			\$ -	\$ -	Monitor in CMOM
274	S	A	A	SSMHT0004151	6000 BLK. S. BROADWAY AVE.	Solid		No	None	Yard	Unpaved	Above Grade	5	Std 48 Round	Concrete	18.16			\$ -	\$ -	Monitor in CMOM
275	S	D	C	SSMHT0004155	600 BLK. COURT CREST DR.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	40	Std 48 Round	Concrete	14.82	194.58		\$ 650	\$ 650	Realign and Seal Casting
276	S	D	C	SSMHT0004156	600 BLK. PRESTONWOOD CIR.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	33	Std 48 Round	Concrete	13.70	180.51		\$ 650	\$ 650	Realign and Seal Casting
277	S	A	A	SSMHT0004157	600 BLK. PRESTONWOOD CIR.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	48	Std 48 Round	Concrete	14.05			\$ -	\$ -	Monitor in CMOM
278	S	D	C	SSMHT0004169	6000 BLK. SPRING CREEK DR.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	32	Std 48 Round	Concrete	10.02	134.29		\$ 650	\$ 650	Realign and Seal Casting
279	S	D	C	SSMHT0004173	2600 BLK. S. DONNYBROOK AVE.	Solid		No	None	Yard	Unpaved	Above Grade	22	Std 48 Round	Brick	9.96	133.54	2	\$ 4,389	\$ 4,389	Seal Coat Manhole
280	S	D	C	SSMHT0004206	3900 B UNIVERSITY BLVD	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	12.15	161.04		\$ 950	\$ 950	Realign and Seal Casting
281	S	C	C	SSMHT0004207	3900 UNIVERSITY BLVD	Vented	2	No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	10.56	141.07		\$ 400	\$ -	Monitor in CMOM
282	S	C	C	SSMHT0004208	3900 UNIVERSITY BLVD	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	12.80	169.21	2	\$ 6,328	\$ -	Monitor in CMOM
283	S	C	C	SSMHT0004269	2834 S. BROADWAY AVE.	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	1	Std 48 Round	Brick	14.62	192.07		\$ 1,290	\$ -	Monitor in CMOM
284	S	C	C	SSMHT0005155	3912 S. DONNYBROOK AVE.	Vented	2	No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	9.54	128.26	2	\$ 3,591	\$ -	Monitor in CMOM
285	S	C	C	SSMHT0005157	3916 BROOKWOOD DR.	None		No	Severe	Field	Unpaved	Above Grade	16	Std 48 Round	Concrete	14.28	187.80	2	\$ 5,448	\$ -	Monitor in CMOM
286	S	C	C	SSMHT0005158	3613 S. BROADWAY AVE.	Vented	2	No	Light	Parking Lot	Paved - Asphalt	At Grade		Std 48 Round	Brick	12.89	170.34		\$ 400	\$ -	Monitor in CMOM
287	S	A	A	SSMHT0005159	3616 S. BROADWAY AVE.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	12.66			\$ -	\$ -	Monitor in CMOM
288	S	B	B	SSMHT0005160	3910 S. BROADWAY AVE.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	12.13			\$ -	\$ -	Monitor in CMOM



Manhole Remediation Plan

Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less ½ inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A – Very Good Condition
- B – Good Condition
- C – Fair Condition
- D – Poor Condition
- E – Very Poor Condition

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
289	S	A	A	SSMHT0005161	3910 S. BROADWAY AVE.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	11.82			\$ -	\$ -	Monitor in CMOM
290	S	C	C	SSMHT0005162	3910 S. BROADWAY AVE.	Solid		No	None	Driveway	Paved - Concrete	At Grade		Std 48 Round	Concrete	16.40	214.42		\$ 400	\$ -	Monitor in CMOM
291	S	C	C	SSMHT0005175	3800 BLK. NEW COPELAND RD.	Solid		No	None	Yard	Unpaved	Above Grade	1	Std 48 Round	Concrete	14.12	185.79	2	\$ 5,202	\$ -	Monitor in CMOM
292	S	C	C	SSMHT0005176	3800 BLK. NEW COPELAND RD.	Solid		No	None	Field	Unpaved	At Grade		Std 48 Round	Concrete	13.38	176.49	2	\$ 4,942	\$ -	Monitor in CMOM
293	S	B	B	SSMHT0005177	3912 S. DONNYBROOK AVE.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	13.08			\$ -	\$ -	Monitor in CMOM
294	S	D	C	SSMHT0005180	4900 BLK. S. DONNYBROOK AVE.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	14	Std 48 Round	Concrete	18.10	235.78	2	\$ 7,252	\$ 7,252	Seal Coat Manhole
295	S	A	A	SSMHT0005181	4900 BLK. S. DONNYBROOK AVE.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	19	Std 60 Round	Concrete	21.66	349.39		\$ -	\$ -	Monitor in CMOM
296	S	A	A	SSMHT0005182	4900 BLK. S. DONNYBROOK AVE.	Bolted		No	None	Yard	Unpaved	Above Grade	42	Std 48 Round	Concrete	18.42			\$ -	\$ -	Monitor in CMOM
297	S	A	A	SSMHT0005183	4900 BLK. S. DONNYBROOK AVE.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	14	Std 60 Round	Concrete	17.6	285.65		\$ -	\$ -	Monitor in CMOM
298	S	D	C	SSMHT0005185	4100 BLK. DONNYBROOK AVE.	Vented	2	Yes	None	Street	Paved - Concrete	At Grade		Std 48 Round	Brick	15.21	199.48	2	\$ 5,585	\$ 5,585	Seal Coat Manhole
299	S	C	C	SSMHT0005190	4900 BLK. S. DONNYBROOK AVE.	Solid		Yes	None	Road Shoulder	Unpaved	Above Grade	12	Std 60 Round	Concrete	15.88	258.65		\$ 650	\$ -	Monitor in CMOM
300	S	C	C	SSMHT0005191	4900 BLK. S. DONNYBROOK AVE.	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	1	Std 60 Round	Concrete	14.24	232.90	2	\$ 6,521	\$ -	Monitor in CMOM
301	S	C	C	SSMHT0005192	4900 BLK. DONNYBROOK AVE.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	8	Std 60 Round	Concrete	15.42	251.42		\$ 400	\$ -	Monitor in CMOM
302	S	A	A	SSMHT0005196	4900 BLK. S. DONNYBROOK AVE.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	7	Std 60 Round	Concrete	14.46	236.35		\$ -	\$ -	Monitor in CMOM
303	S	A	A	SSMHT0005197	4900 BLK. S. DONNYBROOK AVE.	Solid		No	None	Yard	Unpaved	Above Grade	8	Std 60 Round	Concrete	14.74	240.75		\$ -	\$ -	Monitor in CMOM
304	S	D	C	SSMHT0005198	4900 BLK. S. DONNYBROOK AVE.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	16	Std 60 Round	Concrete	17.76	288.16	2	\$ 8,069	\$ 8,069	Seal Coat Manhole
305	S	D	C	SSMHT0005199	4900 BLK. S. DONNYBROOK AVE.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	8	Std 60 Round	Concrete	16.90	274.66		\$ 650	\$ 650	Realign and Seal Casting
306	S	A	A	SSMHT0005200	4900 BLK. S. DONNYBROOK AVE.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	12	Std 60 Round	Concrete	18.58	301.04		\$ -	\$ -	Monitor in CMOM
307	S	C	C	SSMHT0005201	400 BLK. SHILOH RD.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	15.75	206.26	2	\$ 5,775	\$ -	Monitor in CMOM
308	S	B	B	SSMHT0005202	5000 BLK. DONNYBROOK DR.	Solid		No	None	Yard	Unpaved	Above Grade	30	Std 48 Round	Concrete	19.14			\$ -	\$ -	Monitor in CMOM
309	S	D	C	SSMHT0005204	5100 BLK. DONNYBROOK AVE.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	26	Std 48 Round	Concrete	16.82	219.70		\$ 650	\$ 650	Realign and Seal Casting
310	S	C	C	SSMHT0005205	5100 BLK. DONNYBROOK AVE.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	41	Std 48 Round	Concrete	19.02	247.33	2	\$ 6,925	\$ -	Monitor in CMOM
311	S	C	C	SSMHT0005206	5100 BLK. DONNYBROOK AVE.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	50	Std 48 Round	Concrete	17.28	225.48	2	\$ 6,313	\$ -	Monitor in CMOM
312	S	C	C	SSMHT0005207	5100 BLK. DONNYBROOK AVE.	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	8.26	112.19	2	\$ 3,141	\$ -	Monitor in CMOM
313	S	C	C	SSMHT0005208	500 BLK. DONNYBROOK DR.	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	6.42	89.08	2	\$ 2,494	\$ -	Monitor in CMOM
314	S	A	A	SSMHT0005209	800 BLK. DONNYBROOK DR.	Solid		Yes	None	Road Shoulder	Unpaved	Above Grade	2	Std 48 Round	Sealed Brick	6			\$ -	\$ -	Monitor in CMOM
315	S	C	C	SSMHT0005210	5200 BLK. DONNYBROOK DR.	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	5.60	78.78	2	\$ 2,206	\$ -	Monitor in CMOM
316	S	D	C	SSMHT0005214	200 BLK. SHILOH RD.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	15.53	203.50	2	\$ 5,698	\$ 5,698	Seal Coat Manhole
317	S	A	A	SSMHT0005215	300 BLK. SHILOH RD.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	14.46			\$ -	\$ -	Monitor in CMOM
318	S	C	C	SSMHT0005220	325 SHILOH RD.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	13.48	177.75		\$ 400	\$ -	Monitor in CMOM
319	S	C	C	SSMHT0005227	3815 WYNNWOOD DR.	Vented	2	Yes	None	Road Shoulder	Unpaved	Above Grade	4	Std 48 Round	Brick	6.48	89.83	2	\$ 2,515	\$ -	Monitor in CMOM
320	S	B	B	SSMHT0005228	3815 WYNNWOOD DR.	Vented	2	No	None	Yard	Unpaved	Above Grade	15	Std 48 Round	Brick	8.4			\$ -	\$ -	Monitor in CMOM
321	S	D	C	SSMHT0005230	3615 WYNNWOOD DR.	Vented	2	Yes	Light	Yard	Unpaved	At Grade		Std 48 Round	Brick	7.58	103.64	2	\$ 2,902	\$ 2,902	Seal Coat Manhole
322	S	C	C	SSMHT0005231	3615 WYNNWOOD DR.	Vented	2	No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	8.72	117.96	2	\$ 3,303	\$ -	Monitor in CMOM
323	S	D	C	SSMHT0005243	3000 BLK. NEW COPELAND RD.	Vented	2	No	Light	Yard	Unpaved	At Grade		30	Brick	6.96	58.00		\$ 400	\$ 400	Repair Chimney
324	S	D	C	SSMHT0005248	3900 UNIVERSITY BLVD	Solid		No	Light	Yard	Unpaved	Above Grade	9	Std 48 Round	Concrete	9.40	126.50		\$ 650	\$ 650	Realign and Seal Casting
325	S	D	C	SSMHT0005249	3979 UNIVERSITY BLVD	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	1	Std 48 Round	Concrete	9.38	126.25		\$ 650	\$ 650	Realign and Seal Casting
326	S	D	C	SSMHT0005250	3900 UNIVERSITY BLVD	Vented	2	No	Light	Road Shoulder	Unpaved	At Grade		Std 48 Round	Brick	5.43	76.64	2	\$ 2,796	\$ 2,796	Seal Coat Manhole
327	S	D	C	SSMHT0005251	3900 UNIVERSITY BLVD	Vented	1	No	Moderate	Road Shoulder	Unpaved	Above Grade	2	Std 48 Round	Brick	3.90	57.42		\$ 1,240	\$ 1,240	Realign and Seal Casting
328	S	D	C	SSMHT0005252	3500 BLK UNIVERSITY BLVD	Vented	2	No	Light	Trees/Woods	Unpaved	Above Grade	11	Std 48 Round	Brick	17.40	226.98		\$ 2,050	\$ 2,050	Replace
329	S	D	C	SSMHT0005253	3500 BLK UNIVERSITY BLVD	Vented	1	No	None	Trees/Woods	Unpaved	Above Grade	16	Std 48 Round	Brick	11.81	156.77		\$ 650	\$ 650	Realign and Seal Casting
330	S	D	C	SSMHT0005254	3500 BLK UNIVERSITY BLVD	Vented	2	No	Light	Trees/Woods	Unpaved	Above Grade	3	Std 48 Round	Concrete	9.12	122.99		\$ 650	\$ 650	Realign and Seal Casting
331	S	C	C	SSMHT0005255	NO NUMBER LAZY CREEK DR	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	3	Std 48 Round	Brick	11.29	150.24	2	\$ 4,207	\$ -	Monitor in CMOM
332	S	D	C	SSMHT0005256	NO NUMBER LAKE FORREST DR	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	13	Std 48 Round	Brick	8.38	113.69	2	\$ 3,183	\$ 3,183	Seal Coat Manhole
333	S	D	C	SSMHT0005257	NO NUMBER OAK KNOLL DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	15	Std 48 Round	Brick	12.19	161.55	2	\$ 4,523	\$ 4,523	Seal Coat Manhole
334	S	C	C	SSMHT0005259	3701 LAKE FORREST DR	Solid		Yes	None	Gutter	Paved - Asphalt	At Grade		Std 48 Round	Sealed Concrete	18.61	242.18	2	\$ 6,781	\$ -	Monitor in CMOM
335	S	D	C	SSMHT0005264	1121 E. SE LOOP 323	Solid		No	None	Trees/Woods	Unpaved	Above Grade	6	Std 48 Round	Concrete	16.04	209.90	2	\$ 6,517	\$ 6,517	Seal Coat Manhole
336	S	B	B	SSMHT0005265	1100 BLK. E. SE LOOP 323	Solid		No	None	Driveway	Paved - Asphalt	Below Grade	1	Std 48 Round	Concrete	14.04			\$ -	\$ -	Monitor in CMOM



Manhole Remediation Plan

Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less ½ inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A – Very Good Condition
- B – Good Condition
- C – Fair Condition
- D – Poor Condition
- E – Very Poor Condition

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
337	S	C	C	SSMHT0005283	4917 THISTLE DR	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	13.62	179.51		\$ 400	\$ -	Monitor in CMOM
338	S	A	A	SSMHT0005294	5100 BLK. SWEET BRIAR LN.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	10.9			\$ -	\$ -	Monitor in CMOM
339	S	A	A	SSMHT0005296	5200 BLK. GLEN ABBEY LN.	Solid		No	None	Parking Lot	Paved - Asphalt	At Grade		Std 48 Round	Concrete	14.22			\$ -	\$ -	Monitor in CMOM
340	S	C	C	SSMHT0005306	5317 NEW COPELAND RD.	Solid		No	Light	Driveway	Paved - Concrete	At Grade		Std 48 Round	Concrete	14.62	192.07	2	\$ 5,378	\$ -	Monitor in CMOM
341	S	A	A	SSMHT0005307	5200 BLK. NEW COPELAND RD.	Solid		No	Moderate	Road Shoulder	Unpaved	Below Grade	2	Std 48 Round	Concrete	15.22			\$ -	\$ -	Monitor in CMOM
342	S	C	C	SSMHT0005308	5300 BLK. NEW COPELAND RD.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	1	Std 48 Round	Concrete	12.44	164.69	2	\$ 4,611	\$ -	Monitor in CMOM
343	S	A	A	SSMHT0005309	5300 BLK. NEW COPELAND RD.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	34	Std 48 Round	Concrete	12.4			\$ -	\$ -	Monitor in CMOM
344	S	A	A	SSMHT0005310	5300 BLK. NEW COPELAND RD.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	22	Std 48 Round	Brick	12.57			\$ -	\$ -	Monitor in CMOM
345	S	A	A	SSMHT0005312	5300 BLK. NEW COPELAND RD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	27	Std 48 Round	Concrete	14.58			\$ -	\$ -	Monitor in CMOM
346	S	A	A	SSMHT0005315	5602 WESTCHESTER DR.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	18.26			\$ -	\$ -	Monitor in CMOM
347	S	D	C	SSMHT0005330	5500 BLK. NEW COPELAND RD.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	12.46	164.94	2	\$ 5,258	\$ 5,258	Seal Coat Manhole
348	S	C	C	SSMHT0005331	5400 NEW COPELAND RD.	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	3	Std 48 Round	Sealed Concrete	11.42	151.88		\$ 500	\$ -	Monitor in CMOM
349	S	C	C	SSMHT0005332	5500 NEW COPELAND RD	Solid		No	Light	Road Shoulder	Unpaved	Below Grade	2	Std 48 Round	Concrete	16.42	214.68	2	\$ 6,841	\$ -	Monitor in CMOM
350	S	D	C	SSMHT0005381	3210 LAKEPINE CIR	Solid		No	Light	Yard	Unpaved	Above Grade	10	Std 48 Round	Concrete	18.59	241.93	2	\$ 8,064	\$ 8,064	Seal Coat Manhole
351	S	D	C	SSMHT0005382	3306 LAKEPINE CIR	Solid		No	Light	Yard	Unpaved	Above Grade	2	Std 48 Round	Concrete	12.93	170.84	2	\$ 5,284	\$ 5,284	Seal Coat Manhole
352	S	D	C	SSMHT0005398	5500 BLK. S. DONNYBROOK AVE.	Solid		No	Light	Yard	Unpaved	Above Grade	2	Std 48 Round	Concrete	26.40	340.02	2	\$ 9,521	\$ 9,521	Seal Coat Manhole
353	S	C	C	SSMHT0005399	5500 BLK. DONNYBROOK DR.	Solid		No	None	Driveway	Paved - Concrete	At Grade		Std 48 Round	Concrete	23.86	308.12	2	\$ 8,627	\$ -	Monitor in CMOM
354	S	C	C	SSMHT0005546	821 E. SE LOOP 323	Bolted		No	None	Field	Unpaved	Above Grade	11	Std 48 Round	Concrete	14.46	190.06		\$ 640	\$ -	Monitor in CMOM
355	S	C	C	SSMHT0005548	4300 BLK. NEW COPELAND RD.	Bolted		No	Light	Yard	Unpaved	Above Grade	2	Std 60 Round	Concrete	16.52	268.69		\$ 400	\$ -	Monitor in CMOM
356	S	A	A	SSMHT0005549	4300 BLK. NEW COPELAND RD.	Bolted		No	None	Road Shoulder	Unpaved	Above Grade	21	Std 48 Round	Concrete	15.02			\$ -	\$ -	Monitor in CMOM
357	S	D	C	SSMHT0005560	300 BLK. ATLANTA AVE.	Vented	2	No	Moderate	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	8.20	111.43		\$ 190	\$ 190	Install Inflow Dish
358	S	C	C	SSMHT0005561	300 BLK. ATLANTA AVE.	Vented	2	Yes	None	Yard	Unpaved	Above Grade	1	Std 48 Round	Brick	11.08	147.60	2	\$ 4,283	\$ -	Monitor in CMOM
359	S	C	C	SSMHT0005566	3900 BLK LAKE FORREST DR	Solid		No	Light	Yard	Unpaved	At Grade		Std 48 Round	Concrete	6.22	86.56	2	\$ 3,274	\$ -	Monitor in CMOM
360	S	C	C	SSMHT0005567	3814 LAKE FORREST DR	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Sealed Concrete	9.68	130.02	2	\$ 5,161	\$ -	Monitor in CMOM
361	S	D	C	SSMHT0005570	3703 LAKE FORREST DR	Solid		No	Light	Yard	Unpaved	At Grade		Std 48 Round	Concrete	12.76	168.71	2	\$ 5,364	\$ 5,364	Seal Coat Manhole
362	S	C	C	SSMHT0005571	3627 RIVER OAKS CT	Solid		No	Light	Gutter	Paved - Asphalt	At Grade		Std 48 Round	Concrete	23.81	307.49	2	\$ 10,200	\$ -	Monitor in CMOM
363	S	D	C	SSMHT0005572	3204 LAKE FORREST DR	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	2	Std 48 Round	Brick	9.98	133.79	2	\$ 4,386	\$ 4,386	Seal Coat Manhole
364	S	D	C	SSMHT0005573	3204 LAKE FORREST DR	Solid		No	Moderate	Yard	Unpaved	Above Grade	2	Std 48 Round	Brick	15.93	208.52	2	\$ 7,319	\$ 7,319	Seal Coat Manhole
365	S	D	C	SSMHT0005591	1505 W GRANDE BLVD	Solid		No	Light	Creek	Unpaved	Above Grade	8	Std 48 Round	Concrete	10.79	143.96		\$ 650	\$ 650	Realign and Seal Casting
366	S	C	C	SSMHT0005598	320 E. REICH RD.	Bolted		No	None	Field	Unpaved	At Grade		Std 48 Round	Concrete	19.76	256.63	2	\$ 7,186	\$ -	Monitor in CMOM
367	S	C	C	SSMHT0005599	5500 BLK. S. DONNYBROOK AVE.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	12.58	166.44		\$ 400	\$ -	Monitor in CMOM
368	S	B	B	SSMHT0005600	5500 BLK. S. DONNYBROOK AVE.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	22.26			\$ -	\$ -	Monitor in CMOM
369	S	D	C	SSMHT0005601	NA WESTCHESTER DR.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	34	Std 48 Round	Concrete	23.77	306.99		\$ 650	\$ 650	Realign and Seal Casting
370	S	D	C	SSMHT0005602	5602 WESTCHESTR DR.	Solid		No	None	Yard	Unpaved	Above Grade	28	Std 48 Round	Concrete	13.84	182.27		\$ 650	\$ 650	Realign and Seal Casting
371	S	D	C	SSMHT0005603	5602 WESTCHESTER DR.	Solid		No	Light	Yard	Unpaved	Above Grade	7	Std 48 Round	Concrete	10.81	144.21		\$ 650	\$ 650	Realign and Seal Casting
372	S	A	A	SSMHT0005969	206 WINCHESTER DR.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	20.7			\$ -	\$ -	Monitor in CMOM
373	S	C	C	SSMHT0005970	211 WINCHESTER DR.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	21.49	278.35		\$ 640	\$ -	Monitor in CMOM
374	S	C	C	SSMHT0005971	225 WINCHESTER DR.	Solid		No	None	Street	Paved - Asphalt	Above Grade	1	Std 48 Round	Concrete	23.36	301.84	2	\$ 9,092	\$ -	Monitor in CMOM
375	S	B	B	SSMHT0005972	211 WINCHESTER DR.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	20.12			\$ -	\$ -	Monitor in CMOM
376	S	A	A	SSMHT0005973	225 WINCHESTER DR.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	24.96			\$ -	\$ -	Monitor in CMOM
377	S	C	C	SSMHT0005974	3800 BLK. S. DONNYBROOK AVE.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	22.40	289.78	2	\$ 8,114	\$ -	Monitor in CMOM
378	S	A	A	SSMHT0005976	3815 WYNNWOOD DR.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	6	Std 48 Round	Concrete	6.08			\$ -	\$ -	Monitor in CMOM
379	S	C	C	SSMHT0005985	4010 S. DONNYBROOK AVE.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	17.46	227.74	2	\$ 6,377	\$ -	Monitor in CMOM
380	S	C	C	SSMHT0005986	4000 BLK. S. DONNYBROOK AVE.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	18.98	246.83		\$ 400	\$ -	Monitor in CMOM
381	S	C	C	SSMHT0005987	4000 BLK. S. DONNYBROOK AVE.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	19.72	256.12	2	\$ 7,171	\$ -	Monitor in CMOM
382	S	D	C	SSMHT0005988	4000 BLK. S. DONNYBROOK AVE.	Solid		No	Light	Road Shoulder	Unpaved	Below Grade	2	Std 48 Round	Concrete	19.06	247.83	2	\$ 7,129	\$ 7,129	Seal Coat Manhole
383	S	C	C	SSMHT0005989	4000 BLK. S. DONNYBROOK AVE.	Vented	2	No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	19.10	248.34	2	\$ 6,953	\$ -	Monitor in CMOM
384	S	C	C	SSMHT0005990	4000 BLK. S. DONNYBROOK AVE.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	20.10	260.90		\$ 400	\$ -	Monitor in CMOM



Manhole Remediation Plan

Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less ½ inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

A – Very Good Condition
 B – Good Condition
 C – Fair Condition
 D – Poor Condition
 E – Very Poor Condition

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
385	S	C	C	SSMHT0005991	4000 BLK. S. DONNYBROOK AVE.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	22.27	288.15		\$ 400	\$ -	Monitor in CMOM
386	S	C	C	SSMHT0005992	3822 NEW COPELAND RD.	Vented	2	No	None	Road Shoulder	Unpaved	Above Grade	1	Std 48 Round	Brick	11.58	153.88	2	\$ 4,309	\$ -	Monitor in CMOM
387	S	D	C	SSMHT0006024	3200 BLK UNIVERSITY BLVD	Solid		No	None	Trees/Woods	Unpaved	Below Grade	4	Std 48 Round	Concrete	15.11	198.22	2	\$ 6,910	\$ 6,910	Seal Coat Manhole
388	S	D	C	SSMHT0006025	3225 UNIVERSITY BLVD	Vented	2	No	None	Road Shoulder	Unpaved	Above Grade	31	Std 48 Round	Concrete	16.04	209.90	2	\$ 7,017	\$ 7,017	Seal Coat Manhole
389	S	D	C	SSMHT0006026	3225	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	6	Std 48 Round	Brick	11.43	152.00	2	\$ 5,546	\$ 5,546	Seal Coat Manhole
390	S	A	A	SSMHT0006035	3627 RIVER OAKS CT	Solid		No	Light	Trees/Woods	Unpaved	Below Grade	2	Std 48 Round	Concrete	10.14			\$ -	\$ -	Monitor in CMOM
391	S	D	C	SSMHT0006038	3519 LAKEMONT DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	7	Std 48 Round	Concrete	8.31	112.81	2	\$ 3,799	\$ 3,799	Seal Coat Manhole
392	S	D	C	SSMHT0006048	3800 BLK LAKE FORREST DR	Solid		No	Moderate	Yard	Unpaved	At Grade		Std 48 Round	Concrete	21.54	278.98	2	\$ 8,652	\$ 8,652	Seal Coat Manhole
393	S	B	B	SSMHT0006082	5000 BLK. DONNYBROOK DR.	Solid		No	None	Yard	Unpaved	Above Grade	18	Std 48 Round	Concrete	19.3			\$ -	\$ -	Monitor in CMOM
394	S	D	C	SSMHT0006100	1700 BLK E SE LOOP 323	Solid		No	Moderate	Yard	Unpaved	Above Grade	4	Std 48 Round	Concrete	9.47	127.38	2	\$ 4,407	\$ 4,407	Seal Coat Manhole
395	S	D	C	SSMHT0006101	1700 BLK E SE LOOP 323	Bolted				Drainage Ditch	Paved - Concrete	At Grade							\$ 150	\$ 150	Install Inflow Dish
396	S	C	C	SSMHT0006119	4300 BLK. EASY ST.	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	7.56	103.39		\$ 400	\$ -	Monitor in CMOM
397	S	C	C	SSMHT0006121	1712 SYBIL LN	Bolted		No	Moderate	Drainage Ditch	Paved - Concrete	At Grade		28" Round	Concrete	2.39	21.00		\$ 690	\$ -	Monitor in CMOM
398	S	D	C	SSMHT0006122	1716 SYBIL LN	Bolted		No	Severe	Drainage Ditch	Paved - Concrete	At Grade		28" Round	Concrete	2.39	21.00		\$ 690	\$ 690	Install Chimney Seal
399	S	C	C	SSMHT0006124	4004 BIRDWELL DR	Bolted		No	Moderate	Drainage Ditch	Paved - Concrete	At Grade		28" Round	Concrete	2.32	21.00		\$ 690	\$ -	Monitor in CMOM
400	S	C	C	SSMHT0006125	1710 RICKETY LN	Bolted		No	Moderate	Drainage Ditch	Paved - Concrete	At Grade		28" Round	Concrete	1.98	18.00		\$ 690	\$ -	Monitor in CMOM
401	S	D	C	SSMHT0006130	1700 BLK E SE LOOP 323	Solid		No	Light	Drainage Ditch	Paved - Concrete	Above Grade	90	Std 48 Round	Concrete	13.55	178.63		\$ 1,350	\$ 1,350	Realign and Seal Casting
402	S	D	C	SSMHT0006134	1700 BLK E SE LOOP 323	Bolted			Severe	Drainage Ditch	Paved - Concrete	At Grade							\$ 150	\$ 150	Install Inflow Dish
403	S	C	C	SSMHT0006153	5200 BLK. NEW COPELAND RD.	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	10.12	135.55		\$ 500	\$ -	Monitor in CMOM
404	S	C	C	SSMHT0006154	5330 NEW COPELAND RD.	Vented	2	No	Light	Road Shoulder	Unpaved	Above Grade	3	Std 48 Round	Concrete	9.36	126.00		\$ 650	\$ -	Monitor in CMOM
405	S	C	C	SSMHT0006165	5317 NEW COPELAND RD.	Solid		No	None	Parking Lot	Paved - Concrete	At Grade		Std 48 Round	Concrete	16.58	216.68		\$ 400	\$ -	Monitor in CMOM
406	S	B	B	SSMHT0006166	5317 NEW COPELAND RD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	20	Std 48 Round	Concrete	12.69			\$ -	\$ -	Monitor in CMOM
407	S	C	C	SSMHT0006167	5518 WESTCHESTER DR.	Solid		No	None	Yard	Unpaved	Above Grade	3	Std 48 Round	Concrete	13.19	174.11	2	\$ 5,525	\$ -	Monitor in CMOM
408	S	D	C	SSMHT0006185	5401 KENT DR	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	9.60	129.02	2	\$ 4,182	\$ 4,182	Seal Coat Manhole
409	S	A	A	SSMHT0006186	5401 KENT DR	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	9.48			\$ -	\$ -	Monitor in CMOM
410	S	D	C	SSMHT0006187	5710 REED RD	Solid		No	None	Road Shoulder	Unpaved	Above Grade	7	Std 48 Round	Brick	11.83	157.02	2	\$ 4,397	\$ 4,397	Seal Coat Manhole
411	S	C	C	SSMHT0006189	5401 KENT DR	Solid		No	Light	Trees/Woods	Unpaved	At Grade		Std 48 Round	Brick	7.49	102.51		\$ 1,290	\$ -	Monitor in CMOM
412	S	D	C	SSMHT0006190	NONE KENT DR	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	5	Std 48 Round	Brick	7.21	99.00	2	\$ 3,342	\$ 3,342	Seal Coat Manhole
413	S	C	C	SSMHT0006215	5300 BLK. NEW COPELAND RD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	11	Std 48 Round	Concrete	11.20	149.11		\$ 640	\$ -	Monitor in CMOM
414	S	B	B	SSMHT0006222	2400 SHILOH RD	Solid		No	Light	Creek	Paved - Concrete	Above Grade	62	Std 48 Round	Concrete	7.24			\$ -	\$ -	Monitor in CMOM
415	S	A	A	SSMHT0006223	5000 BLK KIRKCLADEY DR	Solid		No	Light	Creek	Unpaved	Above Grade	77	Std 48 Round	Concrete	11			\$ -	\$ -	Monitor in CMOM
416	S	C	C	SSMHT0006224	5000 BLK EDINBURGH DR	Vented	1	No	Moderate	Street	Paved - Asphalt	Below Grade	1	Std 48 Round	Concrete	9.34	125.75		\$ 590	\$ -	Monitor in CMOM
417	S	C	C	SSMHT0006226	5000 BLK KIRKCLADEY DR	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	8.24	111.93		\$ 400	\$ -	Monitor in CMOM
418	S	D	C	SSMHT0006227	5000 BLK KIRKCLADEY DR	Solid		No	Light	Trees/Woods	Unpaved	At Grade		Std 48 Round	Concrete	9.58	128.76		\$ 650	\$ 650	Realign and Seal Casting
419	S	C	C	SSMHT0006228	4900 BLK SHILOH VILLAGE DR	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	6	Std 48 Round	Concrete	12.08	160.16		\$ 970	\$ -	Monitor in CMOM
420	S	D	C	SSMHT0006233	4200 BLK. CHAD DR.	Solid		No	None	Yard	Unpaved	Above Grade	14	Std 48 Round	Concrete	14.48	190.31		\$ 650	\$ 650	Realign and Seal Casting
421	S	C	C	SSMHT0006250	4300 BLK. NEW COPELAND RD.	Bolted		No	None	Road Shoulder	Unpaved	Above Grade	3	Std 48 Round	Concrete	13.14	173.48	2	\$ 4,857	\$ -	Monitor in CMOM
422	S	D	C	SSMHT0006252	4321 NEW COPELAND RD.	Solid		No	Light	Parking Lot	Paved - Concrete	At Grade		Std 48 Round	Concrete	11.91	158.03	2	\$ 4,425	\$ 4,425	Seal Coat Manhole
423	S	C	C	SSMHT0006253	4321 NEW COPELAND RD.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	8.56	115.95	2	\$ 3,247	\$ -	Monitor in CMOM
424	S	A	A	SSMHT0006265	1300 HUBBARD DR.	Bolted		No	Light	Yard	Unpaved	Above Grade	3	Std 48 Round	Concrete	14.48			\$ -	\$ -	Monitor in CMOM
425	S	C	C	SSMHT0006266	1300 HUBBARD DR.	Bolted		No	None	Trees/Woods	Unpaved	Above Grade	12	Std 48 Round	Concrete	18.40	239.54	2	\$ 6,707	\$ -	Monitor in CMOM
426	S	C	C	SSMHT0006267	1300 HUBBARD DR.	Solid		No	None	Yard	Unpaved	Above Grade	13	Std 48 Round	Concrete	20.58	266.92	2	\$ 7,474	\$ -	Monitor in CMOM
427	S	C	C	SSMHT0006284	3109 ACACIA AVE	Vented	2	Yes	None	Road Shoulder	Unpaved	At Grade		Std 60 Round	Brick	10.64	176.38	2	\$ 5,589	\$ -	Monitor in CMOM
428	S	C	C	SSMHT0006285	5625 BOSTICK DR	Vented	2	No	Light	Yard	Unpaved	Above Grade	2	Std 48 Round	Sealed Brick	12.44	164.69	2	\$ 4,611	\$ -	Monitor in CMOM
429	S	C	C	SSMHT0006287	5634 BOSTICK DR	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Sealed Brick	12.85	169.84	2	\$ 4,755	\$ -	Monitor in CMOM
430	S	D	C	SSMHT0006294	5100 BLK. DONNYBROOK AVE.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	33	Std 48 Round	Concrete	18.02	234.77		\$ 650	\$ 650	Realign and Seal Casting
431	S	D	C	SSMHT0006301	3204 LAKEPINE CIR	Solid		No	Light	Yard	Unpaved	Above Grade	1	Std 48 Round	Concrete	13.04	172.22	2	\$ 6,112	\$ 6,112	Seal Coat Manhole
432	S	C	C	SSMHT0006302	3700 BLK LAZY CREEK DR	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	16.08	210.40	2	\$ 6,461	\$ -	Monitor in CMOM



Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
Rehab 1010: Install Inflow Protector Insert \$225 ea
Rehab 1012: Install Cleanout Cap
Rehab 1015: Seal Chimney \$500 ea
Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
Rehab 1024: Replace Manhole Lid \$150 ea.
Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
Rehab 4340: Repair Mainline Cleanout \$500 ea.
Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
Rehab 1205: Repair Chimney and Coat
Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A - Very Good Condition
B - Good Condition
C - Fair Condition
D - Poor Condition
E - Very Poor Condition

Manhole Remediation Plan

Table with 23 columns: Item No., Basin, Condition Rating, Condition Rating Post Rehab., Manhole ID, Address, Lid Type, Vent Holes, Inflow Dish, Inflow Potential, Surface Cover, Surface Material, Manhole Grade, Grade-Inches, Manhole Diameter, MH Material, Rim to Invert, Sq.Ft., Coating Condition, Construction Total, Recommended Remedial Measures, Remedial Measure.

**Rehabilitation Methods Legend:**

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
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 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
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 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A – Very Good Condition
- B – Good Condition
- C – Fair Condition
- D – Poor Condition
- E – Very Poor Condition

Manhole Remediation Plan

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
578	S	C	C	SSMHT0007744	8161 CR 2204	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	15.21	199.48		\$ 1,040	\$ -	Monitor in CMOM
579	S	A	A	SSMHT0007762	NA OLD JACKSONVILLE HWY.	Solid		Yes	None	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	15.7			\$ -	\$ -	Monitor in CMOM
580	S	A	A	SSMHT0007763	NA OLD JACKSONVILLE HWY.	Solid		Yes	None	Yard	Unpaved	Above Grade	11	Std 48 Round	Concrete	16.76			\$ -	\$ -	Monitor in CMOM
581	S	A	A	SSMHT0007782	4350 OLD OMEN RD.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	10			\$ -	\$ -	Monitor in CMOM
582	S	A	A	SSMHT0007783	4350 OLD OMEN RD.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	9.68			\$ -	\$ -	Monitor in CMOM
583	S	A	A	SSMHT0007785	4350 OLD OMEN RD.	Solid		No	None	Yard	Unpaved	At Grade		Std 48 Round	Concrete	8.92			\$ -	\$ -	Monitor in CMOM
584	S	C	C	SSMHT0007786	4350 OLD OMEN RD.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	11.57	153.76	2	\$ 4,305	\$ -	Monitor in CMOM
585	S	A	A	SSMHT0007787	4350 OLD OMEN RD.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	11.06			\$ -	\$ -	Monitor in CMOM
586	S	A	A	SSMHT0007788	4350 OLD OMEN RD.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	10.66			\$ -	\$ -	Monitor in CMOM
587	S	B	B	SSMHT0007793	NO NUMBER OLD BASCOM RD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	12	Std 48 Round	Concrete	11.36			\$ -	\$ -	Monitor in CMOM
588	S	B	B	SSMHT0007794	NO NUMBER OLD BASCOM RD	Solid		No	None	Yard	Unpaved	Above Grade	9	Std 48 Round	Concrete	8.37			\$ -	\$ -	Monitor in CMOM
589	S	D	C	SSMHT0007840	8336 PALUXY RD	Bolted		No	None	Drainage Ditch	Unpaved	Above Grade	31	Std 60 Round	Concrete	14.23	232.74	2	\$ 7,157	\$ 7,157	Seal Coat Manhole
590	S	D	C	SSMHT0007841	8336 PALUXY RD	Bolted		No	Light	Field	Unpaved	Above Grade	9	Std 60 Round	Concrete	12.49	205.42	2	\$ 6,402	\$ 6,402	Seal Coat Manhole
591	S	C	C	SSMHT0007842	8330 PALUXY RD	Bolted		No	None	Field	Unpaved	Above Grade	2	Std 60 Round	Concrete	7.83	132.26		\$ 400	\$ -	Monitor in CMOM
592	S	D	C	SSMHT0007843	8330 PALUXY RD	Solid		No	None	Field	Unpaved	Above Grade	24	Std 60 Round	Concrete	15.50	252.68		\$ 650	\$ 650	Realign and Seal Casting
593	S	C	C	SSMHT0007844	8380 PALUXY DR	Bolted		No	None	Creek	Unpaved	Above Grade	6	Std 60 Round	Concrete	4.69	82.96		\$ 400	\$ -	Monitor in CMOM
594	S	D	C	SSMHT0007845	8380 PALUXY DR	Solid		No	Light	Field	Unpaved	Above Grade	5	Std 48 Round	Concrete	8.75	118.34		\$ 650	\$ 650	Realign and Seal Casting
595	S	A	A	SSMHT0007846	8380 PALUXY DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	24	Std 48 Round	Concrete	21.14			\$ -	\$ -	Monitor in CMOM
596	S	C	C	SSMHT0007847	2125 BRANDON RD	Solid		No	None	Field	Unpaved	Above Grade	102	Std 48 Round	Concrete	15.97	209.02	2	\$ 5,853	\$ -	Monitor in CMOM
597	S	C	C	SSMHT0007848	2125 BRANDON RD	Solid		No	None	Field	Unpaved	Above Grade	28	Std 48 Round	Concrete	16.90	220.70	2	\$ 6,180	\$ -	Monitor in CMOM
598	S	C	C	SSMHT0007849	2175 BRANDON RD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	65	Std 48 Round	Concrete	14.20	186.79	2	\$ 5,230	\$ -	Monitor in CMOM
599	S	B	B	SSMHT0007850	NO NUMBER PALUXY DR	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	4	Std 48 Round	Concrete	6.78			\$ -	\$ -	Monitor in CMOM
600	S	C	C	SSMHT0007851	NO NUMBER PALUXY DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	12	Std 48 Round	Concrete	14.53	190.94	2	\$ 5,986	\$ -	Monitor in CMOM
601	S	A	A	SSMHT0007852	NO NUMBER PALUXY DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	19	Std 48 Round	Concrete	10.16			\$ -	\$ -	Monitor in CMOM
602	S	D	C	SSMHT0007853	6047 GRACE AVE	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	14	Std 48 Round	Concrete	9.05	122.11		\$ 650	\$ 650	Realign and Seal Casting
603	S	C	C	SSMHT0007854	NO NUMBER PALUXY DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	13	Std 48 Round	Concrete	12.34	163.43	2	\$ 4,576	\$ -	Monitor in CMOM
604	S	C	C	SSMHT0007855	2532 MEADOWLAND CT	Solid		No	None	Trees/Woods	Unpaved	Above Grade	10	Std 48 Round	Concrete	11.41	151.75	2	\$ 4,249	\$ -	Monitor in CMOM
605	S	A	A	SSMHT0007856	NONE CUMBERLAND RD	Solid		Yes	Moderate	Road Shoulder	Unpaved	Below Grade	9	Std 48 Round	Concrete	10.3			\$ -	\$ -	Monitor in CMOM
606	S	B	B	SSMHT0007857	620 W CUMBERLAND RD	Solid		No	None	Yard	Unpaved	Above Grade	21	Std 48 Round	Concrete	5.17			\$ -	\$ -	Monitor in CMOM
607	S	C	C	SSMHT0007858	620 W CUMBERLAND RD	Solid		No	Severe	Yard	Unpaved	Above Grade	6	Std 48 Round	Concrete	14.09	185.41	2	\$ 6,671	\$ -	Monitor in CMOM
608	S	C	C	SSMHT0007859	620 W CUMBERLAND RD	Solid		No	None	Yard	Unpaved	Above Grade	30	Std 60 Round	Concrete	15.88	258.65	2	\$ 7,892	\$ -	Monitor in CMOM
609	S	D	C	SSMHT0007860	620 W. CUMBERLAND RD.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	7	Std 60 Round	Concrete	13.44	220.34	2	\$ 7,389	\$ 7,389	Seal Coat Manhole
610	S	D	C	SSMHT0007861	620 W. CUMBERLAND RD.	Solid		No	Moderate	Road Shoulder	Unpaved	Above Grade	7	Std 60 Round	Concrete	17.62	285.96	2	\$ 9,417	\$ 9,417	Seal Coat Manhole
611	S	D	C	SSMHT0007862	620 W. CUMBERLAND RD.	Solid		No	Light	Gutter	Paved - Concrete	At Grade		Std 60 Round	Concrete	16.60	269.95	2	\$ 7,559	\$ 7,559	Seal Coat Manhole
612	S	C	C	SSMHT0007863	600 BLK. CUMBERLAND RD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	42	Std 48 Round	Concrete	14.16	186.29	2	\$ 5,216	\$ -	Monitor in CMOM
613	S	C	C	SSMHT0007865	NO NUMBER PALUXY DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	12	Std 48 Round	Concrete	10.80	144.09	2	\$ 4,034	\$ -	Monitor in CMOM
614	S	C	C	SSMHT0007866	6047 GRACE AVE	Solid		No	None	Yard	Unpaved	Above Grade	13	Std 48 Round	Concrete	14.49	190.43	2	\$ 5,332	\$ -	Monitor in CMOM
615	S	C	C	SSMHT0007867	8380 PALUXY RD	Bolted		No	Light	Parking Lot	Paved - Concrete	At Grade		Std 48 Round	Concrete	5.88	82.29		\$ 1,040	\$ -	Monitor in CMOM
616	S	C	C	SSMHT0007868	8331 PALUXY DR	Solid		No	None	Yard	Unpaved	Above Grade	18	Std 60 Round	Concrete	13.27	217.67	2	\$ 6,735	\$ -	Monitor in CMOM
617	S	C	C	SSMHT0007869	NO NUMBER PALUXY DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	16	Std 48 Round	Concrete	11.70	155.39	2	\$ 4,991	\$ -	Monitor in CMOM
618	S	C	C	SSMHT0007870	NO NUMBER PALUXY DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	19	Std 48 Round	Concrete	9.81	131.65	2	\$ 4,326	\$ -	Monitor in CMOM
619	S	C	C	SSMHT0007871	NO NUMBER PALUXY DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	31	Std 48 Round	Concrete	9.84	132.03		\$ 400	\$ -	Monitor in CMOM
620	S	C	C	SSMHT0007872	1617 JEFF DAVIS DR	Solid		No	None	Yard	Unpaved	Above Grade	10	Std 48 Round	Concrete	13.28	175.24	2	\$ 5,547	\$ -	Monitor in CMOM
621	S	C	C	SSMHT0007873	1902 BRANDON DR	Solid		No	Moderate	Creek	Unpaved	Above Grade	20	Std 48 Round	Concrete	9.06	122.23	2	\$ 4,253	\$ -	Monitor in CMOM
622	S	C	C	SSMHT0007874	1902 BRANDON DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	12	Std 48 Round	Concrete	12.71	168.08	2	\$ 4,706	\$ -	Monitor in CMOM
623	S	D	C	SSMHT0007875	NO NUMBER PALUXY RD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	12	Std 60 Round	Concrete	10.40	172.61		\$ 640	\$ 640	Repair Pipe Seal
624	S	A	A	SSMHT0007876	1300 BLK. W. CUMBERLAND RD.	Solid		Yes	None	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	11.68			\$ -	\$ -	Monitor in CMOM
625	S	C	C	SSMHT0007877	1300 BLK. W. CUMBERLAND RD.	Solid		Yes	None	Sidewalk	Paved - Concrete	At Grade		Std 48 Round	Concrete	12.72	168.20		\$ 500	\$ -	Monitor in CMOM



Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A – Very Good Condition
- B – Good Condition
- C – Fair Condition
- D – Poor Condition
- E – Very Poor Condition

Manhole Remediation Plan

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
675	S	C	C	SSMHT0008114	5727 ANDOVER DR	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	24.30	313.65		\$ 640	\$ -	Monitor in CMOM
676	S	B	B	SSMHT0008128	2924 GLOUCESTER DR	Solid	0	No	None	Street	Paved - Asphalt	At Grade		Std 60 Round	Concrete	14.22	232.58		\$ -	\$ -	Monitor in CMOM
677	S	A	A	SSMHT0008129	2912 GLOUCESTER DR	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 60 Round	Concrete	12.25	201.66		\$ -	\$ -	Monitor in CMOM
678	S	A	A	SSMHT0008130	2900 BLK SCOTLAND CR	Solid		No	None	Street	Paved - Concrete	At Grade		Std 60 Round	Concrete	12.44	204.64		\$ -	\$ -	Monitor in CMOM
679	S	A	A	SSMHT0008131	5718 GLOUCESTER	Solid		No	Light	Yard	Unpaved	At Grade		Std 60 Round	Concrete	14.49	236.82		\$ -	\$ -	Monitor in CMOM
680	S	A	A	SSMHT0008145	1945 STONEGATE VALLEY DR	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 60 Round	Concrete	12.38	203.70		\$ -	\$ -	Monitor in CMOM
681	S	A	A	SSMHT0008153	3015 STONEGATE VALLEY DR	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	17			\$ -	\$ -	Monitor in CMOM
682	S	D	C	SSMHT0008194	1662 JEFF DAVIS DR	Solid		No	Light	Yard	Unpaved	Above Grade	3	Std 48 Round	Concrete	11.25	149.74	2	\$ 5,483	\$ 5,483	Seal Coat Manhole
683	S	D	C	SSMHT0008195	1662 JEFF DAVIS DR	Solid		No	Moderate	Road Shoulder	Unpaved	Above Grade	6	Std 48 Round	Concrete	17.89	233.14	2	\$ 8,008	\$ 8,008	Seal Coat Manhole
684	S	C	C	SSMHT0008196	1617 JEFF DAVIS DR	Solid		No	Light	Yard	Unpaved	Above Grade	3	Std 48 Round	Concrete	16.40	214.42	2	\$ 6,644	\$ -	Monitor in CMOM
685	S	D	C	SSMHT0008205	1514 CR 1181	Solid		No	Light	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	12.10	160.42		\$ 640	\$ 640	Repair Pipe Seal
686	S	C	C	SSMHT0008206	1521 CR 1181	Solid		No	Light	Yard	Unpaved	At Grade		Std 48 Round	Concrete	10.78	143.84	2	\$ 4,667	\$ -	Monitor in CMOM
687	S	C	C	SSMHT0008207	1321 CR 1181	Solid		No	Moderate	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	9.80	131.53		\$ 840	\$ -	Monitor in CMOM
688	S	A	A	SSMHT0008208	1422 CR 1181	Solid		No	Moderate	Road Shoulder	Unpaved	Below Grade	3	Std 48 Round	Concrete	6.9			\$ -	\$ -	Monitor in CMOM
689	S	C	C	SSMHT0008209	1312 CR 1181	Solid		No	Light	Driveway	Paved - Asphalt	At Grade		Std 48 Round	Concrete	12.70	167.95		\$ 400	\$ -	Monitor in CMOM
690	S	A	A	SSMHT0008219	2522 ROY RD	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	2	Std 48 Round	Concrete	12.84			\$ -	\$ -	Monitor in CMOM
691	S	C	C	SSMHT0008220	5888 GRACE AVE	Solid		No	Light	Yard	Unpaved	At Grade		Std 48 Round	Concrete	10.96	146.10		\$ 650	\$ -	Monitor in CMOM
692	S	D	C	SSMHT0008221	5934 GRACE LN	Solid		No	Moderate	Yard	Unpaved	Below Grade	3	Std 48 Round	Concrete	7.20	98.87		\$ 790	\$ 790	Raise Casting
693	S	C	C	SSMHT0008222	6302 GRACE AVE	Solid		No	None	Yard	Unpaved	Above Grade	9	Std 48 Round	Concrete	10.44	139.57	2	\$ 3,908	\$ -	Monitor in CMOM
694	S	A	A	SSMHT0008223	6047 GRACE AVE	Solid		No	None	Yard	Unpaved	Above Grade	11	Std 48 Round	Concrete	11.09			\$ -	\$ -	Monitor in CMOM
695	S	C	C	SSMHT0008354	7200 PALUXY DR	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	3	Std 48 Round	Concrete	7.94	108.17	2	\$ 3,679	\$ -	Monitor in CMOM
696	S	A	A	SSMHT0008355	7200 PALUXY DR	Solid		No	Light	Trees/Woods	Unpaved	Below Grade	1	Std 48 Round	Concrete	8.58			\$ -	\$ -	Monitor in CMOM
697	S	C	C	SSMHT0008356	7200 PALUXY DR	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	1	Std 48 Round	Concrete	8.22	111.68	2	\$ 3,767	\$ -	Monitor in CMOM
698	S	A	A	SSMHT0008357	7200 PALUXY DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	11	Std 48 Round	Concrete	13.33			\$ -	\$ -	Monitor in CMOM
699	S	C	C	SSMHT0008376	1115 McClenny Dr	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	2	Std 48 Round	Concrete	16.00	209.40	2	\$ 5,863	\$ -	Monitor in CMOM
700	S	A	A	SSMHT0008377	1115 McClenny Dr	Solid		No	None	Yard	Unpaved	Above Grade	17	Std 48 Round	Concrete	10.8			\$ -	\$ -	Monitor in CMOM
701	S	A	A	SSMHT0008378	1115 McClenny Dr	Solid		No	None	Yard	Unpaved	Above Grade	26	Std 48 Round	Sealed Concrete	10.51			\$ -	\$ -	Monitor in CMOM
702	S	D	C	SSMHT0008408	9018 ELM TREE CIR	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	7	Std 48 Round	Concrete	13.39	176.62		\$ 1,040	\$ 1,040	Repair Pipe Seal
703	S	A	A	SSMHT0008456	NO NUMBER CAMBRIDGE BEND	Solid		No	None	Trees/Woods	Unpaved	Above Grade	53	Std 48 Round	Concrete	13.09			\$ -	\$ -	Monitor in CMOM
704	S	C	C	SSMHT0008470	9030 OLD HICKORY RD	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	13.20	174.23		\$ 400	\$ -	Monitor in CMOM
705	S	D	C	SSMHT0008474	9285 CHISHOLM TRL					Trees/Woods	Unpaved								\$ 150	\$ 150	Install Inflow Dish
706	S	C	C	SSMHT0008597	NO NUMBER OLD BASCOM RD	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	8.92	120.48		\$ 400	\$ -	Monitor in CMOM
707	S	C	C	SSMHT0008598	4400 BLK OLD OMEN RD	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	14.34	188.55		\$ 1,040	\$ -	Monitor in CMOM
708	S	C	C	SSMHT0008599	NO NUMBER OLD BASCOM RD	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	3	Std 48 Round	Concrete	9.99	133.91		\$ 1,050	\$ -	Monitor in CMOM
709	S	C	C	SSMHT0008600	NO NUMBER OLD BOSCOM RD	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	4	Std 48 Round	Concrete	6.54	90.58		\$ 400	\$ -	Monitor in CMOM
710	S	D	C	SSMHT0008601	NO NUMBER OLD BOSCOM RD	Solid		No	Moderate	Road Shoulder	Unpaved	Below Grade	1	Std 48 Round	Concrete	9.33	125.62		\$ 1,240	\$ 1,240	Realign and Seal Casting
711	S	C	C	SSMHT0008602	NO NUMBER OLD BASCOM RD	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	4	Std 48 Round	Concrete	8.88	119.97		\$ 640	\$ -	Monitor in CMOM
712	S	C	C	SSMHT0008603	NO NUMBER OLD BASCOM RD	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	9	Std 48 Round	Brick	10.68	142.58	2	\$ 3,992	\$ -	Monitor in CMOM
713	S	D	C	SSMHT0008604	NO NUMBER OLD BASCOM RD	Solid		No	None	Field	Unpaved	Above Grade	29	Std 48 Round	Sealed Brick	11.88	157.65	2	\$ 5,054	\$ 5,054	Seal Coat Manhole
714	S	D	C	SSMHT0008607	NO NUMBER OLD BASCOM RD	Solid		No	Light	Field	Unpaved	Above Grade	9	Std 48 Round	Concrete	8.48	114.95		\$ 650	\$ 650	Realign and Seal Casting
715	S	D	C	SSMHT0008613	NO NUMBER OLD BASCOM RD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	97						\$ 150	\$ 150	Install Inflow Dish
716	S	C	C	SSMHT0008614	NO NUMBER BRIGHTON CREEK CIR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	15	Std 48 Round	Brick	14.89	195.46	2	\$ 5,473	\$ -	Monitor in CMOM
717	S	D	C	SSMHT0008615	NO NUMBER BRIGHTON CREEK CIR	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	5	Std 48 Round	Brick	8.94	120.73		\$ 1,050	\$ 1,050	Realign and Seal Casting
718	S	C	C	SSMHT0008616	NO NUMBER BRIGHTON CREEK CIR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	19	Std 48 Round	Brick	12.02	159.41	2	\$ 4,464	\$ -	Monitor in CMOM
719	S	D	C	SSMHT0008617	NO NUMBER BRIDGEWOOD TRL	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	10	Std 48 Round	Concrete	7.60	103.90	2	\$ 4,129	\$ 4,129	Seal Coat Manhole
720	S	D	C	SSMHT0008619	NO NUMBER OLD BASCOM RD	Solid		No	Severe	Trees/Woods	Unpaved	Above Grade	6	Std 48 Round	Brick	13.23	174.61		\$ 1,040	\$ 1,040	Replace Ring and Cover
721	S	D	C	SSMHT0008625	3509 LAKEMONT DR	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Brick	9.75	130.90	2	\$ 4,305	\$ 4,305	Seal Coat Manhole
722	S	D	C	SSMHT0008626	3519 LAKEMONT DR	Solid		No	Moderate	Street	Paved - Concrete	At Grade		Std 48 Round	Brick	10.22	136.80	2	\$ 4,660	\$ 4,660	Seal Coat Manhole
723	S	C	C	SSMHT0008627	3319 LAKEMONT DR	Solid		No	Light	Yard	Unpaved	At Grade		Std 48 Round	Brick	11.41	151.75	2	\$ 4,899	\$ -	Monitor in CMOM



Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
Rehab 1010: Install Inflow Protector Insert \$225 ea
Rehab 1012: Install Cleanout Cap
Rehab 1015: Seal Chimney \$500 ea
Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
Rehab 1024: Replace Manhole Lid \$150 ea.
Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
Rehab 4340: Repair Mainline Cleanout \$500 ea.
Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
Rehab 1205: Repair Chimney and Coat
Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A - Very Good Condition
B - Good Condition
C - Fair Condition
D - Poor Condition
E - Very Poor Condition

Manhole Remediation Plan

Table with 22 columns: Item No., Basin, Condition Rating, Condition Rating Post Rehab., Manhole ID, Address, Lid Type, Vent Holes, Inflow Dish, Inflow Potential, Surface Cover, Surface Material, Manhole Grade, Grade-Inches, Manhole Diameter, MH Material, Rim to Invert, Sq.Ft., Coating Condition, Construction Total, Recommended Remedial Measures, Remedial Measure. Rows 773-820.



Manhole Remediation Plan

Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

A – Very Good Condition
 B – Good Condition
 C – Fair Condition
 D – Poor Condition
 E – Very Poor Condition

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
919	W	C	C	SSMHT0000189	14000 BLK CR 468	Solid		Yes	None	Field	Unpaved	Above Grade	28	Std 48 Round	Sealed Concrete	21.95	284.13	2	\$ 7,956	\$ -	Monitor in CMOM
920	W	D	C	SSMHT0000190	14000 BLK CR 468	Solid		Yes	None	Field	Unpaved	Above Grade	17	Std 48 Round	Sealed Concrete	16.61	217.06	2	\$ 6,078	\$ 6,078	Seal Coat Manhole
921	W	C	C	SSMHT0000191	14000 BLK CR 468	Solid		Yes	None	Field	Unpaved	Above Grade	19	Std 48 Round	Sealed Concrete	14.67	192.70		\$ 640	\$ -	Monitor in CMOM
922	W	C	C	SSMHT0000192	No # CR 471	Solid		Yes	None	Trees/Woods	Unpaved	Above Grade	12	Std 48 Round	Sealed Concrete	16.71	218.32		\$ 640	\$ -	Monitor in CMOM
923	W	C	C	SSMHT0000193	No # CR 471	Solid		Yes	None	Trees/Woods	Unpaved	Above Grade	11	Std 48 Round	Sealed Concrete	14.51	190.69	2	\$ 5,979	\$ -	Monitor in CMOM
924	W	C	C	SSMHT0000194	No # CR 471	Solid		Yes	None	Trees/Woods	Unpaved	Above Grade	19	Std 48 Round	Sealed Concrete	11.02	146.85	2	\$ 4,752	\$ -	Monitor in CMOM
925	W	C	C	SSMHT0000195	No # CR 471	Solid		Yes	None	Field	Unpaved	Above Grade	12	Std 48 Round	Sealed Concrete	11.19	148.99		\$ 640	\$ -	Monitor in CMOM
926	W	D	C	SSMHT0000196	No # CR 471	Solid		Yes	None	Field	Unpaved	Above Grade	18	Std 48 Round	Sealed Concrete	12.69	167.83	2	\$ 5,339	\$ 5,339	Seal Coat Manhole
927	W	C	C	SSMHT0000197	No # CR 471	Solid		Yes	None	Field	Unpaved	Above Grade	12	Std 48 Round	Sealed Concrete	11.63	154.51	2	\$ 4,966	\$ -	Monitor in CMOM
928	W	C	C	SSMHT0000198	No # CR 471	Solid		Yes	None	Field	Unpaved	Above Grade	10	Std 48 Round	Sealed Concrete	8.64	116.96	2	\$ 3,275	\$ -	Monitor in CMOM
929	W	D	C	SSMHT0000199	No # CR 471	Solid		Yes	None	Field	Unpaved	Above Grade	8	Std 48 Round	Sealed Concrete	11.09	147.73	2	\$ 4,136	\$ 4,136	Seal Coat Manhole
930	W	C	C	SSMHT0000200	No # CR 471	Solid		Yes	None	Field	Unpaved	Above Grade	10	Std 48 Round	Sealed Concrete	9.69	130.15		\$ 640	\$ -	Monitor in CMOM
931	W	D	C	SSMHT0000201	No # CR 471	Solid		Yes	None	Field	Unpaved	Above Grade	12	Std 48 Round	Sealed Concrete	11.63	154.51	2	\$ 4,326	\$ 4,326	Seal Coat Manhole
932	W	C	C	SSMHT0000202	NO NUMBER CR 471	Solid		Yes	None	Field	Unpaved	Above Grade	14	Std 48 Round	Sealed Concrete	11.06	147.35	2	\$ 4,126	\$ -	Monitor in CMOM
933	W	C	C	SSMHT0000203	NO NUMBER CR 471	Solid		Yes	None	Yard	Unpaved	Above Grade	19	Std 48 Round	Sealed Concrete	14.15	186.16	2	\$ 5,853	\$ -	Monitor in CMOM
934	W	C	C	SSMHT0000204	NO NUMBER CR 471	Solid		Yes	None	Field	Unpaved	Above Grade	12	Std 48 Round	Sealed Concrete	14.15	186.16		\$ 640	\$ -	Monitor in CMOM
935	W	A	A	SSMHT0000205	NO NUMBER CR 471	Solid		Yes	None	Yard	Unpaved	Above Grade	12	Std 48 Round	Sealed Concrete	14.04			\$ -	\$ -	Monitor in CMOM
936	W	A	A	SSMHT0000206	NO NUMBER CR 471	Solid		Yes	None	Field	Unpaved	Above Grade	19	Std 48 Round	Sealed Concrete	16.73			\$ -	\$ -	Monitor in CMOM
937	W	A	A	SSMHT0000207	NO NUMBER CR 471	Solid		Yes	None	Field	Unpaved	Above Grade	11	Std 48 Round	Sealed Concrete	13.13			\$ -	\$ -	Monitor in CMOM
938	W	C	C	SSMHT0000208	NO NUMBER CR 471	Solid		Yes	None	Field	Unpaved	Above Grade	11	Std 48 Round	Sealed Concrete	15.87	207.77	2	\$ 5,817	\$ -	Monitor in CMOM
939	W	B	B	SSMHT0000209	4000 BLK OLD RANCH RD	Solid		Yes	None	Road Shoulder	Unpaved	Above Grade	6	Std 48 Round	Sealed Concrete	9.2			\$ -	\$ -	Monitor in CMOM
940	W	B	B	SSMHT0000210	4000 BLK OLD RANCH RD	Solid		Yes	None	Field	Unpaved	Above Grade	10	Std 48 Round	Sealed Concrete	10.8			\$ -	\$ -	Monitor in CMOM
941	W	B	B	SSMHT0000211	12167 CROSS FENCE TRAIL	Solid		Yes	None	Field	Unpaved	Above Grade	3	Std 48 Round	Sealed Concrete	12.81			\$ -	\$ -	Monitor in CMOM
942	W	C	C	SSMHT0000212	12227 CROSS FENCE TRAIL	Solid		Yes	None	Field	Unpaved	Above Grade	13	Std 48 Round	Sealed Concrete	13.27	175.11	2	\$ 4,903	\$ -	Monitor in CMOM
943	W	C	C	SSMHT0000213	12273 CROSS FENCE TRAIL	Solid		Yes	None	Field	Unpaved	Above Grade	12	Std 48 Round	Sealed Concrete	8.78	118.72	2	\$ 3,324	\$ -	Monitor in CMOM
944	W	B	B	SSMHT0000214	12229 CROSS FENCE TRAIL	Solid		Yes	None	Field	Unpaved	Above Grade	7	Std 48 Round	Sealed Concrete	5.64			\$ -	\$ -	Monitor in CMOM
945	W	C	C	SSMHT0000215	NO NUMBER STATE HWY 69	Solid		Yes	None	Field	Unpaved	Above Grade	39	Std 48 Round	Sealed Concrete	15.97	209.02	2	\$ 5,853	\$ -	Monitor in CMOM
946	W	B	B	SSMHT0000216	NO NUMBER STATE HWY 69	Solid		Yes	None	Field	Unpaved	Above Grade	18	Std 48 Round	Sealed Concrete	10.7			\$ -	\$ -	Monitor in CMOM
947	W	C	C	SSMHT0000217	NO NUMBER HWY 69	Solid		Yes	None	Field	Unpaved	Above Grade	12	Std 48 Round	Sealed Concrete	12.69	167.83	2	\$ 4,699	\$ -	Monitor in CMOM
948	W	B	B	SSMHT0000218	NO NUMBER HWY 69	Solid		Yes	None	Field	Unpaved	Above Grade	12	Std 48 Round	Sealed Concrete	8.2			\$ -	\$ -	Monitor in CMOM
949	W	B	B	SSMHT0000219	NO NUMBER HWY 69	Solid		Yes	None	Field	Unpaved	Above Grade	7	Std 48 Round	Sealed Concrete	10.37			\$ -	\$ -	Monitor in CMOM
950	W	C	C	SSMHT0000220	NO NUMBER HWY 69	Solid		Yes	None	Field	Unpaved	Above Grade	13	Std 48 Round	Sealed Concrete	9.28	125.00	2	\$ 3,500	\$ -	Monitor in CMOM
951	W	C	C	SSMHT0000221	NO NUMBER HWY 69	Solid		Yes	None	Yard	Unpaved	Above Grade	8	Std 48 Round	Sealed Concrete	9.80	131.53	2	\$ 3,683	\$ -	Monitor in CMOM
952	W	B	B	SSMHT0000222	NO NUMBER HWY 69	Solid		Yes	None	Yard	Unpaved	Above Grade	14	Std 48 Round	Sealed Concrete	6.3			\$ -	\$ -	Monitor in CMOM
953	W	C	C	SSMHT0000223	NO NUMBER CR 461	Solid		Yes	None	Field	Unpaved	Above Grade	10	Std 48 Round	Sealed Concrete	10.21	136.68		\$ 640	\$ -	Monitor in CMOM
954	W	B	B	SSMHT0000224	NO NUMBER CR 461	Solid		Yes	None	Road Shoulder	Unpaved	Above Grade	25	Std 48 Round	Sealed Concrete	10.28			\$ -	\$ -	Monitor in CMOM
955	W	B	B	SSMHT0000225	NO NUMBER HWY 69	Solid		Yes	None	Field	Unpaved	Above Grade	18	Std 48 Round	Sealed Concrete	8.82			\$ -	\$ -	Monitor in CMOM
956	W	B	B	SSMHT0000226	NO NUMBER HWY 69	Solid		Yes	None	Yard	Unpaved	Above Grade	10	Std 48 Round	Sealed Concrete	7.22			\$ -	\$ -	Monitor in CMOM
957	W	B	B	SSMHT0000227	NO NUMBER HWY 69	Solid		Yes	None	Field	Unpaved	Above Grade	8	Std 48 Round	Sealed Concrete	9.84			\$ -	\$ -	Monitor in CMOM
958	W	B	B	SSMHT0000228	NO NUMBER HWY 69	Solid		Yes	None	Field	Unpaved	Above Grade	17	Std 48 Round	Sealed Concrete	14.21			\$ -	\$ -	Monitor in CMOM
959	W	B	B	SSMHT0000229	NO NUMBER HWY 69	Solid		Yes	None	Field	Unpaved	Above Grade	15	Std 48 Round	Sealed Concrete	11.42			\$ -	\$ -	Monitor in CMOM
960	W	C	C	SSMHT0000230	14700 BLK CR 46	Solid		Yes	None	Field	Unpaved	Above Grade	8	Std 60 Round	Sealed Concrete	14.48	236.67	2	\$ 7,277	\$ -	Monitor in CMOM
961	W	B	B	SSMHT0000231	14700 BLK CR 46	Solid		Yes	None	Field	Unpaved	Above Grade	9	Std 60 Round	Sealed Concrete	17.64	286.28		\$ -	\$ -	Monitor in CMOM
962	W	C	C	SSMHT0000232	14700 BLK CR 46	Solid		Yes	None	Field	Unpaved	Above Grade	10	Std 60 Round	Sealed Concrete	14.37	234.94		\$ 400	\$ -	Monitor in CMOM
963	W	D	C	SSMHT0000254	3000 BLK. HWY 69 S.	Solid				Street	Paved - Asphalt								\$ 150	\$ 150	Install Inflow Dish
964	W	A	A	SSMHT0000367	2000 BLK. CHARLOTTE DR.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	4.12			\$ -	\$ -	Monitor in CMOM
965	W	A	A	SSMHT0000368	3200 ROBERTSON RD	Solid		No	Light	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	10.73			\$ -	\$ -	Monitor in CMOM
966	W	D	C	SSMHT0000370	2695 S. SW LOOP 323	Solid		No	Light	Yard	Unpaved	Above Grade	11	Std 48 Round	Fiberglass	8.50	115.20		\$ 650	\$ 650	Realign and Seal Casting



Rehabilitation Methods Legend:
 Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1
 Condition Standard: An existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2
 Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less ½ inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3
 Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating
 A – Very Good Condition
 B – Good Condition
 C – Fair Condition
 D – Poor Condition
 E – Very Poor Condition

Manhole Remediation Plan

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
1117	W	A	A	SSMHT0001167	3800 BLK. BRIARWOOD RD.	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	44	Std 48 Round	Fiberglass	7.22			\$ -	\$ -	Monitor in CMOM
1118	W	D	C	SSMHT0001172	806 WHITESIDE RD	Solid			Light	Trees/Woods	Unpaved	Above Grade	1	Std 48 Round	Unpaved				\$ 150	\$ 150	Install Inflow Dish
1119	W	C	C	SSMHT0001173	806 WHITESIDE RD	Solid		No	Light	Field	Unpaved	Above Grade	4	Std 48 Round	Concrete	9.60	129.02	2	\$ 4,262	\$ -	Monitor in CMOM
1120	W	D	C	SSMHT0001185	2025 S. SW LOOP 323	Solid		Yes	Moderate	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	8.81	119.09	2	\$ 3,335	\$ 3,335	Seal Coat Manhole
1121	W	C	C	SSMHT0001186	2025 S. SW LOOP 323	Solid		No	None	Field	Unpaved	Above Grade	14	Std 48 Round	Concrete	8.25	112.06	2	\$ 3,138	\$ -	Monitor in CMOM
1122	W	C	C	SSMHT0001187	3282 CAMPBELL PKWY.	Solid		No	Light	Road Shoulder	Brick	At Grade		Std 48 Round	Concrete	15.32	200.86		\$ 650	\$ -	Monitor in CMOM
1123	W	C	C	SSMHT0001202	NO NUMBER HWY 31	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	24	Std 48 Round	Concrete	4.35	63.08		\$ 570	\$ -	Monitor in CMOM
1124	W	D	C	SSMHT0001241	2700 BLK. S. SW LOOP 323	Solid		Yes	None	Trees/Woods	Unpaved	Above Grade	16	Std 48 Round	Concrete	14.30	188.05	2	\$ 6,555	\$ 6,555	Seal Coat Manhole
1125	W	A	A	SSMHT0001252	200 N N. BROADWAY AVE.	Solid		No	Light	Street	Brick	At Grade		Std 48 Round	Brick	12.95			\$ -	\$ -	Monitor in CMOM
1126	W	D	C	SSMHT0001253	400 BLK. N. BROADWAY AVE.	Solid		No	Moderate	Yard	Unpaved	Above Grade	7	Std 48 Round	Concrete	14.55	191.19	2	\$ 6,193	\$ 6,193	Seal Coat Manhole
1127	W	C	C	SSMHT0001254	300 BLK. N. BROADWAY AVE.	Solid		No	Light	Street	Brick	At Grade		Std 48 Round	Brick	12.22	161.92	2	\$ 4,534	\$ -	Monitor in CMOM
1128	W	A	A	SSMHT0001255	221 N SPRING ST	Solid		Yes	None	Street	Paved - Brick	At Grade		Std 48 Round	Concrete	8.7			\$ -	\$ -	Monitor in CMOM
1129	W	D	C	SSMHT0001258	NO NUMBER N PABST AVE	Solid		No	None	Street	Unpaved	Above Grade	7	Std 48 Round	Brick	8.64	116.96	2	\$ 3,275	\$ 3,275	Seal Coat Manhole
1130	W	D	C	SSMHT0001261	500 BLK EISENHOWER DR	Solid		Yes	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	11.49	152.75	2	\$ 4,917	\$ 4,917	Seal Coat Manhole
1131	W	D	C	SSMHT0001266	5100 BLK STATE HWY 31	Solid		Yes	None	Yard	Unpaved	Above Grade	1	Std 48 Round	Concrete	12.01	159.29	2	\$ 5,110	\$ 5,110	Seal Coat Manhole
1132	W	C	C	SSMHT0001271	418 EISENHOWER DR	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	5.78	81.04		\$ 400	\$ -	Monitor in CMOM
1133	W	D	C	SSMHT0001274	5100 BLK STATE HWY 31	Solid		No	Moderate	Road Shoulder	Unpaved	Above Grade	6	Std 48 Round	Concrete	15.97	209.02	2	\$ 7,263	\$ 7,263	Seal Coat Manhole
1134	W	C	C	SSMHT0001285	312 EISENHOWER DR	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	7.09	97.49		\$ 1,070	\$ -	Monitor in CMOM
1135	W	A	A	SSMHT0001287	304 EISENHOWER DR	Solid		Yes	None	Street	Paved - Asphalt	Below Grade	2	Std 48 Round	Concrete	5.62			\$ -	\$ -	Monitor in CMOM
1136	W	C	C	SSMHT0001288	200 BLK EISENHOWER DR	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	6.09	84.93		\$ 1,610	\$ -	Monitor in CMOM
1137	W	C	C	SSMHT0001289	217 EISENHOWER DR	Solid		Yes	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	5.63	79.15	2	\$ 2,856	\$ -	Monitor in CMOM
1138	W	D	C	SSMHT0001299	600 BLK EISENHOWER DR	Solid		Yes	None	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	16.08	210.40		\$ 2,140	\$ 2,140	Replace Ring and Cover
1139	W	D	C	SSMHT0001300	700 BLK BELLWOOD LAKE RD	Solid		Yes	None	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	10.71	142.96	2	\$ 5,293	\$ 5,293	Seal Coat Manhole
1140	W	C	C	SSMHT0001301	5000 BLK STATE HWY 31	Solid		Yes	None	Yard	Unpaved	Above Grade	11	Std 48 Round	Concrete	16.25	212.54	2	\$ 5,951	\$ -	Monitor in CMOM
1141	W	C	C	SSMHT0001314	700 BLK. BELLWOOD LAKE RD.	Vented	2	No	Light	Trees/Woods	Unpaved	Above Grade	22	Std 48 Round	Concrete	13.43	177.12	2	\$ 5,609	\$ -	Monitor in CMOM
1142	W	B	B	SSMHT0001315	813 WHITESIDE RD.	Vented	2	No	Light	Trees/Woods	Unpaved	Above Grade	23	Std 48 Round	Concrete	15.3			\$ -	\$ -	Monitor in CMOM
1143	W	D	C	SSMHT0001316	NONE BELLWOOD RD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	37	Std 48 Round	Concrete	9.22	124.24	2	\$ 3,479	\$ 3,479	Seal Coat Manhole
1144	W	D	C	SSMHT0001317	NONE BELLWOOD RD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	28	Std 48 Round	Concrete	7.52	102.89	2	\$ 2,881	\$ 2,881	Seal Coat Manhole
1145	W	C	C	SSMHT0001318	NONE BELLWOOD RD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	22	Std 48 Round	Concrete	8.80	118.97	2	\$ 3,331	\$ -	Monitor in CMOM
1146	W	C	C	SSMHT0001319	NONE BELLWOOD RD	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	38	Std 48 Round	Concrete	14.52	190.81	2	\$ 5,343	\$ -	Monitor in CMOM
1147	W	C	C	SSMHT0001320	NONE BELLWOOD RD	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	21	Std 48 Round	Concrete	15.72	205.88	2	\$ 5,765	\$ -	Monitor in CMOM
1148	W	C	C	SSMHT0001321	NO NUMBER BELLWOOD RD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	30	Std 48 Round	Concrete	10.91	145.47	2	\$ 4,073	\$ -	Monitor in CMOM
1149	W	C	C	SSMHT0001322	NO NUMBER BELLWOOD RD	Solid		No	None	Field	Unpaved	Above Grade	12	Std 48 Round	Concrete	6.83	94.22	2	\$ 2,638	\$ -	Monitor in CMOM
1150	W	B	B	SSMHT0001323	813 WHITESIDE RD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	35	Std 48 Round	Concrete	7.27			\$ -	\$ -	Monitor in CMOM
1151	W	C	C	SSMHT0001324	813 WHITESIDE RD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	42	Std 48 Round	Concrete	7.30	100.13	2	\$ 2,804	\$ -	Monitor in CMOM
1152	W	C	C	SSMHT0001325	813 WHITESIDE RD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	42	Std 48 Round	Concrete	7.32	100.38	2	\$ 2,811	\$ -	Monitor in CMOM
1153	W	C	C	SSMHT0001326	813 WHITESIDE RD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	35	Std 48 Round	Concrete	7.71	105.28	2	\$ 2,948	\$ -	Monitor in CMOM
1154	W	C	C	SSMHT0001327	700 BLK. BELLWOOD LAKE RD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	20	Std 48 Round	Concrete	9.28	125.00	2	\$ 3,500	\$ -	Monitor in CMOM
1155	W	C	C	SSMHT0001328	700 BLK. BELLWOOD LAKE RD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	26	Std 48 Round	Concrete	9.14	123.24	2	\$ 3,451	\$ -	Monitor in CMOM
1156	W	D	C	SSMHT0001329	700 BLK. BELLWOOD LAKE RD.	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	34	Std 48 Round	Concrete	11.84	157.15	2	\$ 5,040	\$ 5,040	Seal Coat Manhole
1157	W	C	C	SSMHT0001330	700 BLK. BELLWOOD LAKE RD.	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	8	Std 48 Round	Concrete	9.16	123.49	2	\$ 3,458	\$ -	Monitor in CMOM
1158	W	D	C	SSMHT0001331	700 BLK. BELLWOOD LAKE RD.	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	21	Std 48 Round	Concrete	7.23	99.25	2	\$ 3,419	\$ 3,419	Seal Coat Manhole
1159	W	C	C	SSMHT0001332	700 BLK. BELLWOOD LAKE RD.	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	19	Std 48 Round	Concrete	7.58	103.64	2	\$ 2,902	\$ -	Monitor in CMOM
1160	W	C	C	SSMHT0001333	700 BLK. BELLWOOD LAKE RD.	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	12	Std 48 Round	Concrete	9.48	127.51	2	\$ 4,210	\$ -	Monitor in CMOM
1161	W	C	C	SSMHT0001334	700 BLK. BELLWOOD LAKE RD.	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	15	Std 48 Round	Concrete	11.42	151.88	2	\$ 4,903	\$ -	Monitor in CMOM
1162	W	D	C	SSMHT0001335	700 BLK. BELLWOOD LAKE RD.	Vented	2			Trees/Woods	Unpaved	Above Grade	26						\$ 150	\$ 150	Install Inflow Dish
1163	W	C	C	SSMHT0001336	700 BLK. BELLWOOD LAKE RD.	Vented	2	No	Light	Trees/Woods	Unpaved	Above Grade	39	Std 48 Round	Concrete	13.76	181.27	2	\$ 5,725	\$ -	Monitor in CMOM
1164	W	D	C	SSMHT0001337	813 WHITESIDE RD.	Vented	2	No	Light	Trees/Woods	Unpaved	Above Grade	33	Std 48 Round	Concrete	7.73	105.53		\$ 650	\$ 650	Realign and Seal Casting
1165	W	C	C	SSMHT0001338	813 WHITESIDE RD.	Vented	2	No	Light	Trees/Woods	Unpaved	Above Grade	35	Std 48 Round	Concrete	9.40	126.50	2	\$ 4,192	\$ -	Monitor in CMOM



Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
Rehab 1010: Install Inflow Protector Insert \$225 ea
Rehab 1012: Install Cleanout Cap
Rehab 1015: Seal Chimney \$500 ea
Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
Rehab 1024: Replace Manhole Lid \$150 ea.
Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
Rehab 4340: Repair Mainline Cleanout \$500 ea.
Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
Rehab 1205: Repair Chimney and Coat
Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A - Very Good Condition
B - Good Condition
C - Fair Condition
D - Poor Condition
E - Very Poor Condition

Manhole Remediation Plan

Table with columns: Item No., Basin, Condition Rating, Condition Rating Post Rehab., Manhole ID, Address, Lid Type, Vent Holes, Inflow Dish, Inflow Potential, Surface Cover, Surface Material, Manhole Grade, Grade-Inches, Manhole Diameter, MH Material, Rim to Invert, Sq.Ft., Coating Condition, Construction Total, Recommended Remedial Measures, Remedial Measure. Contains 1214 rows of manhole remediation data.



Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
Rehab 1010: Install Inflow Protector Insert \$225 ea
Rehab 1012: Install Cleanout Cap
Rehab 1015: Seal Chimney \$500 ea
Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
Rehab 1024: Replace Manhole Lid \$150 ea.
Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
Rehab 4340: Repair Mainline Cleanout \$500 ea.
Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
Rehab 1205: Repair Chimney and Coat
Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A - Very Good Condition
B - Good Condition
C - Fair Condition
D - Poor Condition
E - Very Poor Condition

Manhole Remediation Plan

Table with 22 columns: Item No., Basin, Condition Rating, Condition Rating Post Rehab., Manhole ID, Address, Lid Type, Vent Holes, Inflow Dish, Inflow Potential, Surface Cover, Surface Material, Manhole Grade, Grade-Inches, Manhole Diameter, MH Material, Rim to Invert, Sq.Ft., Coating Condition, Construction Total, Recommended Remedial Measures, Remedial Measure.



Manhole Remediation Plan

Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
Rehab 1010: Install Inflow Protector Insert \$225 ea
Rehab 1012: Install Cleanout Cap
Rehab 1015: Seal Chimney \$500 ea
Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
Rehab 1024: Replace Manhole Lid \$150 ea.
Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
Rehab 4340: Repair Mainline Cleanout \$500 ea.
Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
Rehab 1205: Repair Chimney and Coat
Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A - Very Good Condition
B - Good Condition
C - Fair Condition
D - Poor Condition
E - Very Poor Condition

Table with 22 columns: Item No., Basin, Condition Rating, Condition Rating Post Rehab., Manhole ID, Address, Lid Type, Vent Holes, Inflow Dish, Inflow Potential, Surface Cover, Surface Material, Manhole Grade, Grade-Inches, Manhole Diameter, MH Material, Rim to Invert, Sq.Ft., Coating Condition, Construction Total, Recommended Remedial Measures, Remedial Measure. Rows 1413 to 1461.



Manhole Remediation Plan

Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

A – Very Good Condition
 B – Good Condition
 C – Fair Condition
 D – Poor Condition
 E – Very Poor Condition

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
1558	W	A	A	SSMHT0004667	1006 PINKERTON DR	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	6.81			\$ -	\$ -	Monitor in CMOM
1559	W	C	C	SSMHT0004668	920 PINKERTON DR	Vented	2	No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	7.24	99.37		\$ 640	\$ -	Monitor in CMOM
1560	W	D	C	SSMHT0004669	904 PINKERTON DR	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	10.34	138.31	2	\$ 3,873	\$ 3,873	Seal Coat Manhole
1561	W	C	C	SSMHT0004670	904 PINKERTON DR	Vented	2	No	Light	Street	Unpaved	At Grade		Std 48 Round	Brick	9.52	128.01	2	\$ 4,154	\$ -	Monitor in CMOM
1562	W	C	C	SSMHT0004671	820 PINKERTON DR	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	6.78	93.60		\$ 400	\$ -	Monitor in CMOM
1563	W	D	C	SSMHT0004676	620 GOLDEN RD	Vented	2	No	Moderate	Street	Paved - Asphalt	Below Grade	1	Std 48 Round	Brick	8.19	111.31		\$ 1,230	\$ 1,230	Repair Pipe Seal
1564	W	B	B	SSMHT0004679	2525 E 5TH ST	Solid		Yes	None	Parking Lot	Paved - Asphalt	At Grade		Std 48 Round	Sealed Concrete	13.95			\$ -	\$ -	Monitor in CMOM
1565	W	C	C	SSMHT0004715	200 BLK. W. ELM ST.	Solid		No	Light	Driveway	Paved - Asphalt	At Grade		Std 60 Round	Brick	7.74	130.85		\$ 400	\$ -	Monitor in CMOM
1566	W	C	C	SSMHT0004716	200 BLK. W. ELM ST.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	3.94	57.93	2	\$ 1,622	\$ -	Monitor in CMOM
1567	W	B	B	SSMHT0004717	100 BLK. W. ELM ST.	Vented	2	Yes	None	Gutter	Paved - Concrete	At Grade		Std 48 Round	Brick	3.21			\$ -	\$ -	Monitor in CMOM
1568	W	C	C	SSMHT0004724	214 ERWIN ST	Solid		No	Light	Alley	Paved - Concrete	At Grade		Std 48 Round	Brick	14.73	193.45	2	\$ 6,367	\$ -	Monitor in CMOM
1569	W	A	A	SSMHT0004726	100 BLK. W. ELM ST.	Vented	2	Yes	None	Gutter	Paved - Concrete	At Grade		Std 48 Round	Sealed Brick	9.96			\$ -	\$ -	Monitor in CMOM
1570	W	A	A	SSMHT0004730	108 S FANNIN AVE	Solid		No	Light	Driveway	Paved - Concrete	At Grade		Std 48 Round	Brick	6.58			\$ -	\$ -	Monitor in CMOM
1571	W	D	C	SSMHT0004731	108 S FANNIN ST	Solid		No	Light	Road Shoulder	Unpaved	At Grade		Std 48 Round	Brick	4.52	65.21		\$ 1,250	\$ 1,250	Replace Ring and Cover
1572	W	A	A	SSMHT0004733	223 E ELM ST	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	6.58			\$ -	\$ -	Monitor in CMOM
1573	W	C	C	SSMHT0004744	206 E ERWIN ST	Solid		No	Light	Alley	Paved - Concrete	At Grade		Std 48 Round	Brick	10.26	137.31	2	\$ 4,985	\$ -	Monitor in CMOM
1574	W	C	C	SSMHT0004747	215 E FERGUSON ST	Solid		No	Light	Street	Paved - Brick	Above Grade	1	Std 48 Round	Brick	9.44	127.01	2	\$ 3,556	\$ -	Monitor in CMOM
1575	W	C	C	SSMHT0004749	126 E ELM ST	Vented	2	No	Light	Parking Lot	Paved - Concrete	At Grade		Std 48 Round	Brick	8.22	111.68		\$ 400	\$ -	Monitor in CMOM
1576	W	A	A	SSMHT0004751	126 E ELM ST	Vented	2	No	Moderate	Parking Lot	Paved - Concrete	At Grade		Std 48 Round	Brick	7.35			\$ -	\$ -	Monitor in CMOM
1577	W	C	C	SSMHT0004752	1129 E 1ST ST	Vented	2	No	None	Yard	Unpaved	Above Grade	21	Std 48 Round	Brick	6.52	90.33	2	\$ 2,529	\$ -	Monitor in CMOM
1578	W	C	C	SSMHT0004753	1215 ELIZABETH DR	Vented	2	No	Light	Road Shoulder	Unpaved	Above Grade	6	Std 48 Round	Brick	10.03	134.42	2	\$ 4,614	\$ -	Monitor in CMOM
1579	W	A	A	SSMHT0004799	1138 E LAKE ST	Vented	2	Yes	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Sealed Brick	5.68			\$ -	\$ -	Monitor in CMOM
1580	W	D	C	SSMHT0004800	1207 ELIZABETH DR	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	6.95	95.73		\$ 400	\$ 400	Repair Chimney
1581	W	C	C	SSMHT0004802	1129 E 1ST ST	Solid		No	Light	Road Shoulder	Unpaved	At Grade		Std 48 Round	Brick	5.71	80.16	2	\$ 2,244	\$ -	Monitor in CMOM
1582	W	C	C	SSMHT0004803	1626 S FLEISHEL AVE	Vented	2	No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	7.02	96.61		\$ 400	\$ -	Monitor in CMOM
1583	W	A	A	SSMHT0004808	1110 E 5TH ST	Bolted		No	Light	Drainage Ditch	Paved - Concrete	Above Grade	8	Std 48 Round	Concrete	2.34			\$ -	\$ -	Monitor in CMOM
1584	W	C	C	SSMHT0004837	100 BLK. S. SAUNDERS AVE.	Vented	2	No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	9.03	121.86	2	\$ 3,412	\$ -	Monitor in CMOM
1585	W	D	C	SSMHT0004891	401 E ERWIN ST					Yard	Unpaved								\$ 150	\$ 150	Install Inflow Dish
1586	W	C	C	SSMHT0004892	100 BLK. S. SAUNDERS AVE.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	7.17	98.50	2	\$ 2,758	\$ -	Monitor in CMOM
1587	W	C	C	SSMHT0004893	1126 HWY. 31	Solid		Yes	Light	Parking Lot	Paved - Concrete	At Grade		Std 48 Round	Concrete	27.80	357.61		\$ 640	\$ -	Monitor in CMOM
1588	W	D	C	SSMHT0004894	1201 E. LAWRENCE ST.					Creek	Unpaved								\$ 150	\$ 150	Install Inflow Dish
1589	W	C	C	SSMHT0004895	515 E ERWIN ST	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	6.89	94.98		\$ 400	\$ -	Monitor in CMOM
1590	W	A	A	SSMHT0004896	1210 E EARLE ST	Solid		Yes	None	Road Shoulder	Unpaved	Above Grade	29	Std 60 Round	Concrete	24.22	389.58		\$ -	\$ -	Monitor in CMOM
1591	W	C	C	SSMHT0004898	200 BLK SALEH AVE	Solid		Yes	None	Field	Unpaved	Above Grade	14	Std 48 Round	Concrete	16.69	218.07		\$ 640	\$ -	Monitor in CMOM
1592	W	C	C	SSMHT0004899	200 BLK SALEH AVE	Solid		Yes	None	Field	Unpaved	Above Grade	19	Std 48 Round	Concrete	14.98	196.59	2	\$ 6,074	\$ -	Monitor in CMOM
1593	W	A	A	SSMHT0004907	100 BLK. S. FLEISHER AVE.	Solid		Yes	None	Yard	Unpaved	At Grade		Std 48 Round	Sealed Concrete	11.5			\$ -	\$ -	Monitor in CMOM
1594	W	C	C	SSMHT0004908	100 BLK. S. FLEISHEL AVE.	Solid		Yes	None	Yard	Unpaved	Below Grade	2	Std 48 Round	Concrete	10.03	134.42		\$ 400	\$ -	Monitor in CMOM
1595	W	A	A	SSMHT0004909	1100 ELM ST	Solid		Yes	None	Street	Paved - Concrete	At Grade		Std 48 Round	Sealed Concrete	13.4			\$ -	\$ -	Monitor in CMOM
1596	W	C	C	SSMHT0004922	100 BLK. S. SAUNDERS AVE.	Vented	2	No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	9.98	133.79	2	\$ 4,966	\$ -	Monitor in CMOM
1597	W	C	C	SSMHT0004923	100 BLK. S. SAUNDERS AVE.	Vented	2	No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	8.57	116.08	2	\$ 3,250	\$ -	Monitor in CMOM
1598	W	D	C	SSMHT0004924	200 BLK S HIGH ST	Solid		No	None	Field	Unpaved	Above Grade	20	Std 48 Round	Concrete	13.16	173.73		\$ 650	\$ 650	Realign and Seal Casting
1599	W	B	B	SSMHT0004925	200 BLK S HIGH ST	Solid		No	None	Field	Unpaved	Above Grade	15	Std 48 Round	Concrete	13.74			\$ -	\$ -	Monitor in CMOM
1600	W	C	C	SSMHT0004926	200 BLK S HIGH ST	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	10.52	140.57	2	\$ 4,576	\$ -	Monitor in CMOM
1601	W	C	C	SSMHT0004927	200 BLK S HIGH ST	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	9.48	127.51	2	\$ 3,570	\$ -	Monitor in CMOM
1602	W	D	C	SSMHT0004944	618 E ERWIN ST	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	16.04	209.90	2	\$ 6,827	\$ 6,827	Seal Coat Manhole
1603	W	C	C	SSMHT0004946	407 E ERWIN ST	Solid		No	Light	Street	Paved - Brick	At Grade		Std 48 Round	Concrete	7.58	103.64		\$ 640	\$ -	Monitor in CMOM
1604	W	A	A	SSMHT0004947	116 N CENTER AVE	Vented	2	Yes	None	Street	Paved - BRICK	At Grade		Std 48 Round	Concrete	8.46			\$ -	\$ -	Monitor in CMOM
1605	W	D	C	SSMHT0004965	535 S BECKHAM AVE				Severe	Street	Paved - Asphalt	Below Grade							\$ 150	\$ 150	Install Inflow Dish



Manhole Remediation Plan

Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less ½ inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A – Very Good Condition
- B – Good Condition
- C – Fair Condition
- D – Poor Condition
- E – Very Poor Condition

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
1606	W	C	C	SSMHT0004966	536 S BECKHAM AVE	Vented	2	No	None	Street	Paved - Asphalt	At Grade		Std 60 Round	Brick	7.77	131.32		\$ 400	\$ -	Monitor in CMOM
1607	W	C	C	SSMHT0004970	400BLK E DOUGLES BLVD	Solid		No	None	Yard	Unpaved	Above Grade	23	Std 48 Round	Brick	7.18	98.62	2	\$ 2,761	\$ -	Monitor in CMOM
1608	W	D	C	SSMHT0004971	400 BLK DOUGLAS BLVD	Vented	2	No	Light	Yard	Unpaved	Above Grade	22	Std 48 Round	Brick	6.53	90.46	2	\$ 3,183	\$ 3,183	Seal Coat Manhole
1609	W	C	C	SSMHT0004975	900 BLK LAWRENCE ST	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	4.22	61.44		\$ 400	\$ -	Monitor in CMOM
1610	W	A	A	SSMHT0004977	500 BLOCK BUFORD AVE	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	3.92			\$ -	\$ -	Monitor in CMOM
1611	W	A	A	SSMHT0004978	520 E DOUGLES BLVD	Solid		No	Light	Driveway	Paved - Concrete	At Grade		Std 48 Round	Concrete	6.98			\$ -	\$ -	Monitor in CMOM
1612	W	D	C	SSMHT0004979	400 BLK DOUGLES BLVD	Solid		No	Light	Yard	Unpaved	At Grade		Std 48 Round	Concrete	5.95	83.17		\$ 1,050	\$ 1,050	Realign and Seal Casting
1613	W	D	C	SSMHT0004980	400 BLK E DOUGLAS BLVD	Vented	2	No	Light	Yard	Unpaved	Above Grade	19	Std 48 Round	Brick	6.79	93.72		\$ 1,690	\$ 1,690	Realign and Seal Casting
1614	W	C	C	SSMHT0004982	400 BLK DOUGLAS BLVD	Vented	2	No	Light	Yard	Unpaved	Above Grade	20	Std 48 Round	Brick	7.23	99.25	2	\$ 3,349	\$ -	Monitor in CMOM
1615	W	D	C	SSMHT0004983	400 BLK E DOUGLAS BLVD	Solid		No	Light	Yard	Unpaved	Above Grade	23	Std 48 Round	Concrete	8.16	110.93		\$ 650	\$ 650	Realign and Seal Casting
1616	W	C	C	SSMHT0004986	906 E FRONT ST	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	11.42	151.88	2	\$ 5,043	\$ -	Monitor in CMOM
1617	W	C	C	SSMHT0004987	906 E FRONT ST	Vented	2	No	None	Road Shoulder	Unpaved	Above Grade	2	Std 48 Round	Brick	15.79	206.76		\$ 400	\$ -	Monitor in CMOM
1618	W	C	C	SSMHT0004994	1126 HWY. 31	Solid		Yes	None	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	25.40	327.46	2	\$ 9,669	\$ -	Monitor in CMOM
1619	W	D	C	SSMHT0004998	1100 BLK E FRONT ST	Bolted		No	Light	Trees/Woods	Unpaved	Above Grade	4	Std 48 Round	Concrete	9.16	123.49		\$ 800	\$ 800	Realign and Seal Casting
1620	W	C	C	SSMHT0004999	1100 BLK E FRONT ST	Bolted		No	Light	Creek	Unpaved	Above Grade	32	Std 48 Round	Concrete	10.68	142.58		\$ 650	\$ -	Monitor in CMOM
1621	W	C	C	SSMHT0005000	512 CRESTWAY DR	Solid		No	None	Yard	Unpaved	Above Grade	33	Std 48 Round	Concrete	15.92	208.40	2	\$ 7,045	\$ -	Monitor in CMOM
1622	W	D	C	SSMHT0005001	1201 E. LAWRENCE ST.					Creek	Unpaved								\$ 150	\$ 150	Install Inflow Dish
1623	W	B	B	SSMHT0005010	600 BLK. CRESTWAY DR.	Solid		No	Light	Creek	Unpaved	Above Grade	67	Std 48 Round	Concrete	10.25			\$ -	\$ -	Monitor in CMOM
1624	W	C	C	SSMHT0005011	1135 E HOUSTON ST	Solid		No	None	Yard	Unpaved	Above Grade	7	Std 60 Round	Concrete	13.36	219.08		\$ 650	\$ -	Monitor in CMOM
1625	W	C	C	SSMHT0005012	1135 E HOUSTON ST	Solid		No	None	Yard	Unpaved	Above Grade	15	Std 48 Round	Concrete	11.79	156.52	2	\$ 5,023	\$ -	Monitor in CMOM
1626	W	C	C	SSMHT0005015	520 E DOUGLAS BLVD	Vented	2	No	Light	Road Shoulder	Unpaved	At Grade		Std 48 Round	Brick	5.84	81.79		\$ 400	\$ -	Monitor in CMOM
1627	W	D	C	SSMHT0005016	520 E DOUGLAS BLVD	Vented	2	Yes	None	Road Shoulder	Unpaved	At Grade		Std 48 Round	Brick	5.59	78.65	2	\$ 2,202	\$ 2,202	Seal Coat Manhole
1628	W	C	C	SSMHT0005018	800 E DAWSON ST	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	6.38	88.57		\$ 400	\$ -	Monitor in CMOM
1629	W	C	C	SSMHT0005019	800 E DAWSON ST	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	5.89	82.42		\$ 400	\$ -	Monitor in CMOM
1630	W	C	C	SSMHT0005029	601 VICTORY DR	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	4.52	65.21	2	\$ 1,826	\$ -	Monitor in CMOM
1631	W	C	C	SSMHT0005035	NO # S OAKLAND AVE	Solid		No	None	Creek	Unpaved	Above Grade	45	Std 48 Round	Brick	9.97	133.66	2	\$ 3,743	\$ -	Monitor in CMOM
1632	W	C	C	SSMHT0005037	706 S. OAKLAND AVE.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	6	Std 48 Round	Concrete	7.05	96.99	2	\$ 3,356	\$ -	Monitor in CMOM
1633	W	D	C	SSMHT0005041	601 VICTORY DR	Vented	2	Yes	None	Road Shoulder	Unpaved	At Grade		Std 48 Round	Brick	4.58	65.96	2	\$ 1,847	\$ 1,847	Seal Coat Manhole
1634	W	C	C	SSMHT0005043	613 BECKHAM AVE	Solid		No	None	Trees/Woods	Unpaved	Above Grade	14	Std 48 Round	Sealed Brick	10.54	140.82		\$ 400	\$ -	Monitor in CMOM
1635	W	C	C	SSMHT0005046	800 BLK DONNYBROOK AVE	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	8.44	114.45	2	\$ 3,204	\$ -	Monitor in CMOM
1636	W	A	A	SSMHT0005053	1138 E. DAWSON ST.	Vented	2	No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	4.51			\$ -	\$ -	Monitor in CMOM
1637	W	C	C	SSMHT0005054	1138 E. DAWSON DR.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	6.69	92.47		\$ 500	\$ -	Monitor in CMOM
1638	W	D	C	SSMHT0005056	1127 E. TRAVIS ST.	Solid				Trees/Woods	Unpaved	Above Grade	2						\$ 150	\$ 150	Install Inflow Dish
1639	W	D	C	SSMHT0005070	500 BLK. E. FRAZIER ST.	Vented	2	No	Light	Road Shoulder	Unpaved	Above Grade	6	Std 48 Round	Concrete	7.21	99.00		\$ 1,050	\$ 1,050	Realign and Seal Casting
1640	W	D	C	SSMHT0005090	737 CRESTWAY DR	Solid		No	Light	Street	Paved - Asphalt	Above Grade	1	Std 48 Round	Brick	4.74	67.97	2	\$ 1,903	\$ 1,903	Seal Coat Manhole
1641	W	D	C	SSMHT0005091	1136 E IDEL ST	Vented	2	No	Moderate	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	4.12	60.19		\$ 190	\$ 190	Install Inflow Dish
1642	W	C	C	SSMHT0005092	1200 BLK DOCTORS DR	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	12	Std 48 Round	Brick	6.36	88.32		\$ 400	\$ -	Monitor in CMOM
1643	W	A	A	SSMHT0005093	800 BLK MEDICAL DR	Vented	2	No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	8.53			\$ -	\$ -	Monitor in CMOM
1644	W	D	C	SSMHT0005097	912 S FLEISHAL AVE	Vented	2	No	Moderate	Parking Lot	Paved - Asphalt	At Grade		Std 48 Round	Brick	16.58	216.68		\$ 190	\$ 190	Install Inflow Dish
1645	W	C	C	SSMHT0005098	1040 S FLEISHAL AVE	Solid		No	Light	Parking Lot	Paved - Concrete	At Grade		Std 48 Round	Concrete	20.99	272.07	2	\$ 8,258	\$ -	Monitor in CMOM
1646	W	C	C	SSMHT0005099	1100 S FLEISHAL AVE	Solid		No	Light	Parking Lot	Paved - Asphalt	At Grade		Std 48 Round	Concrete	15.84	207.39	2	\$ 5,807	\$ -	Monitor in CMOM
1647	W	D	C	SSMHT0005100	1120 MEDICAL DR	Vented	2	No	Moderate	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	15.90	208.14		\$ 590	\$ 590	Repair Chimney
1648	W	C	C	SSMHT0005106	115 N BECKHAM AVE	Solid		No	None	Trees/Woods	Unpaved	Above Grade	9	Std 48 Round	Concrete	6.59	91.21	2	\$ 2,554	\$ -	Monitor in CMOM
1649	W	C	C	SSMHT0005108	300 BLK. N. FLEISHAL AVE.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Sealed Concrete	10.49	140.19	2	\$ 3,925	\$ -	Monitor in CMOM
1650	W	C	C	SSMHT0005110	213 N. TOWNSEND AVE.	Vented	2	No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	7.05	96.99	2	\$ 2,716	\$ -	Monitor in CMOM
1651	W	C	C	SSMHT0005113	1000 BLK. E. LOCUST ST.	Vented	2	No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Sealed Concrete	7.00	96.36		\$ 400	\$ -	Monitor in CMOM
1652	W	C	C	SSMHT0005114	300 BLK. N. FLEISHAL AVE.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	14.15	186.16		\$ 400	\$ -	Monitor in CMOM
1653	W	C	C	SSMHT0005115	100 BLK. N. FLEISHAL AVE.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	10.62	141.83		\$ 400	\$ -	Monitor in CMOM



Manhole Remediation Plan

Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A – Very Good Condition
- B – Good Condition
- C – Fair Condition
- D – Poor Condition
- E – Very Poor Condition

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
1654	W	C	C	SSMHT0005124	100 BLK. N. FLEISHEL AVE.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	8.22	111.68		\$ 1,040	\$ -	Monitor in CMOM
1655	W	A	A	SSMHT0005125	100 BLK. N. FLEISHEL AVE.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Sealed Concrete	11.7			\$ -	\$ -	Monitor in CMOM
1656	W	C	C	SSMHT0005126	100 BLK. S. FLEISHER AVE.	Solid		Yes	Moderate	Gutter	Paved - Concrete	At Grade		Std 48 Round	Concrete	10.97	146.22		\$ 900	\$ -	Monitor in CMOM
1657	W	C	C	SSMHT0005127	100 BLK. S. FLEISHEL AVE.	Solid		Yes	None	Yard	Unpaved	Above Grade	2	Std 48 Round	Concrete	7.89	107.54		\$ 970	\$ -	Monitor in CMOM
1658	W	A	A	SSMHT0005128	100 BLK. S. FLEISHER AVE.	Solid		Yes	None	Yard	Unpaved	Above Grade	2	Std 48 Round	Sealed Concrete	12.57			\$ -	\$ -	Monitor in CMOM
1659	W	C	C	SSMHT0005129	100 BLK. N. TOWNSEND AVE.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	7.61	104.02		\$ 500	\$ -	Monitor in CMOM
1660	W	C	C	SSMHT0005130	1014 E. ERWIN ST.	Vented	2	No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	11.49	152.75		\$ 400	\$ -	Monitor in CMOM
1661	W	C	C	SSMHT0005131	100 BLK. N. FLEISHEL AVE.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Sealed Concrete	7.89	107.54		\$ 640	\$ -	Monitor in CMOM
1662	W	C	C	SSMHT0005132	100 BLK. S. FLEISHEL AVE.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	6.49	89.95	2	\$ 2,519	\$ -	Monitor in CMOM
1663	W	D	C	SSMHT0005611	425 McMURREY DR	Solid		No	Light	Driveway	Unpaved	Above Grade	3	Std 60 Round	Concrete	11.22	185.48		\$ 650	\$ 650	Realign and Seal Casting
1664	W	D	C	SSMHT0005612	425 McMURREY DR	Solid		No	Moderate	Yard	Unpaved	Below Grade	5	Std 60 Round	Concrete	9.89	164.60		\$ 1,190	\$ 1,190	Raise Casting
1665	W	C	C	SSMHT0005613	425 MCMURREY DR	Solid		No	Light	Field	Unpaved	Above Grade	9	Std 60 Round	Concrete	12.57	206.68	2	\$ 7,077	\$ -	Monitor in CMOM
1666	W	C	C	SSMHT0005617	425 McMURREY DR	Solid		No	Light	Driveway	Unpaved	At Grade		Std 48 Round	Concrete	10.93	145.72		\$ 1,620	\$ -	Monitor in CMOM
1667	W	C	C	SSMHT0005618	1702 E COMMERCE ST	Solid		No	Light	Field	Unpaved	At Grade		Std 60 Round	Concrete	10.23	169.94	2	\$ 5,968	\$ -	Monitor in CMOM
1668	W	D	C	SSMHT0005625	2121 OLD GLADEWATER HWY.					Trees/Woods	Unpaved								\$ 150	\$ 150	Install Inflow Dish
1669	W	D	C	SSMHT0005627	425 McMURREY DR	Solid			Light	Trees/Woods	Unpaved	Above Grade	9						\$ 150	\$ 150	Install Inflow Dish
1670	W	D	C	SSMHT0005628	2121 OLD GLADEWATER HWY.	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	10	Std 48 Round	Concrete	12.12	160.67	2	\$ 5,139	\$ 5,139	Seal Coat Manhole
1671	W	C	C	SSMHT0005629	2121 OLD GLADEWATER HWY.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	21	Std 48 Round	Concrete	12.14	160.92	2	\$ 4,506	\$ -	Monitor in CMOM
1672	W	C	C	SSMHT0005630	425 McMURREY DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	15	Std 60 Round	Concrete	12.31	202.60	2	\$ 6,243	\$ -	Monitor in CMOM
1673	W	D	C	SSMHT0005631	425 McMURREY DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	30	Std 60 Round	Concrete	14.52	237.29	2	\$ 6,644	\$ 6,644	Seal Coat Manhole
1674	W	D	C	SSMHT0005632	425 McMURREY DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	34	Std 60 Round	Concrete	14.84	242.32	2	\$ 7,285	\$ 7,285	Seal Coat Manhole
1675	W	D	C	SSMHT0005633	425 McMURREY DR	Solid		No	Moderate	Trees/Woods	Unpaved	Below Grade	6	Std 60 Round	Concrete	12.38	203.70		\$ 1,190	\$ 1,190	Raise Casting
1676	W	C	C	SSMHT0005634	425 MCMURREY DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	15	Std 60 Round	Concrete	15.35	250.33	2	\$ 7,579	\$ -	Monitor in CMOM
1677	W	D	C	SSMHT0005635	425 McMURREY DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	26	Std 60 Round	Concrete	15.51	252.84	2	\$ 7,079	\$ 7,079	Seal Coat Manhole
1678	W	D	C	SSMHT0005636	376 McMURREY DR	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 60 Round	Concrete	11.16	184.54		\$ 1,350	\$ 1,350	Realign and Seal Casting
1679	W	D	C	SSMHT0005638	425 MC MURREY DR	Vented	2	No	Moderate	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	12.39	164.06	2	\$ 5,734	\$ 5,734	Seal Coat Manhole
1680	W	C	C	SSMHT0005639	425 McMURREY DR	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	2	Std 48 Round	Concrete	13.83	182.14	2	\$ 5,100	\$ -	Monitor in CMOM
1681	W	D	C	SSMHT0005643	425 McMURREY DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	30	Std 60 Round	Concrete	14.27	233.37		\$ 500	\$ 500	Plug Lift Holes
1682	W	D	C	SSMHT0005645	408 McMURREY DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	12	Std 48 Round	Brick	4.05	59.31	2	\$ 1,661	\$ 1,661	Seal Coat Manhole
1683	W	C	C	SSMHT0005646	425 McMURREY DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	25	Std 48 Round	Brick	4.18	60.94	2	\$ 1,706	\$ -	Monitor in CMOM
1684	W	D	C	SSMHT0005647	425 MC MURREY DR.	Vented	2	No	Moderate	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	8.29	112.56		\$ 590	\$ 590	Repair Chimney
1685	W	D	C	SSMHT0005648	425 McMURREY DR	Vented	2	No	Severe	Road Shoulder	Unpaved	Below Grade	11	Std 48 Round	Concrete	8.44	114.45		\$ 1,190	\$ 1,190	Raise Casting
1686	W	D	C	SSMHT0005649	425 McMURREY DR	Vented	2	No	Severe	Road Shoulder	Unpaved	Below Grade	8	Std 48 Round	Concrete	7.41	101.51		\$ 790	\$ 790	Raise Casting
1687	W	D	C	SSMHT0005650	425 MC MURREY DR	Vented	2	No	Severe	Yard	Unpaved	Below Grade	5	Std 48 Round	Concrete	7.93	108.04		\$ 2,040	\$ 2,040	Replace Ring and Cover
1688	W	C	C	SSMHT0005651	425 MCMURREY	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 60 Round	Concrete	11.72	193.33	2	\$ 7,003	\$ -	Monitor in CMOM
1689	W	D	C	SSMHT0005654	1111 E. OLIVE ST.	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	16	Std 48 Round	Concrete	8.43	114.32		\$ 650	\$ 650	Realign and Seal Casting
1690	W	D	C	SSMHT0005655	1111 E. OLIVE ST.					Creek	Unpaved								\$ 150	\$ 150	Install Inflow Dish
1691	W	C	C	SSMHT0005658	221 McMURREY DR	Solid		No	None	Field	Unpaved	Above Grade	18	Std 48 Round	Brick	7.70	105.15	2	\$ 2,944	\$ -	Monitor in CMOM
1692	W	D	C	SSMHT0005661	2229 E COMMERCE ST	Vented	2	No	None	Yard	Unpaved	Above Grade	10	Std 48 Round	Brick	9.38	126.25	2	\$ 3,535	\$ 3,535	Seal Coat Manhole
1693	W	C	C	SSMHT0005663	2124 JOE ST.	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	8.53	115.58		\$ 400	\$ -	Monitor in CMOM
1694	W	D	C	SSMHT0005664	2124 JOE ST.	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	6.68	92.34	2	\$ 2,586	\$ 2,586	Seal Coat Manhole
1695	W	D	C	SSMHT0005666	2025 N. NE. LOOP 323	Solid		No	None	Road Shoulder	Unpaved	Above Grade	15	Std 48 Round	Brick	12.02	159.41		\$ 650	\$ 650	Realign and Seal Casting
1696	W	D	C	SSMHT0005667	3600 BLK. WALTON RD.	Solid		No	Moderate	Road Shoulder	Unpaved	Above Grade	17	Std 48 Round	Concrete	12.57	166.32	2	\$ 4,847	\$ 4,847	Seal Coat Manhole
1697	W	C	C	SSMHT0005674	1000 BLK. W. HOUSTON ST.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	8.69	117.59	2	\$ 3,292	\$ -	Monitor in CMOM
1698	W	C	C	SSMHT0005685	303 N VIRGINIA AVE	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	7.57	103.52	2	\$ 2,899	\$ -	Monitor in CMOM
1699	W	D	C	SSMHT0005686	303 N LYNDON AVE	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	11.72	155.64	2	\$ 4,358	\$ 4,358	Seal Coat Manhole
1700	W	C	C	SSMHT0005687	1714 E ERWIN ST	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	9.64	129.52	2	\$ 4,267	\$ -	Monitor in CMOM
1701	W	D	C	SSMHT0005707	2532 E 5TH ST	Solid		No	Light	Parking Lot	Paved - Asphalt	At Grade		Std 48 Round	Concrete	17.28	225.48		\$ 640	\$ 640	Repair Pipe Seal



Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
Rehab 1010: Install Inflow Protector Insert \$225 ea
Rehab 1012: Install Cleanout Cap
Rehab 1015: Seal Chimney \$500 ea
Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
Rehab 1024: Replace Manhole Lid \$150 ea.
Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
Rehab 4340: Repair Mainline Cleanout \$500 ea.
Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
Rehab 1205: Repair Chimney and Coat
Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A - Very Good Condition
B - Good Condition
C - Fair Condition
D - Poor Condition
E - Very Poor Condition

Manhole Remediation Plan

Table with 22 columns: Item No., Basin, Condition Rating, Condition Rating Post Rehab., Manhole ID, Address, Lid Type, Vent Holes, Inflow Dish, Inflow Potential, Surface Cover, Surface Material, Manhole Grade, Grade-Inches, Manhole Diameter, MH Material, Rim to Invert, Sq.Ft., Coating Condition, Construction Total, Recommended Remedial Measures, Remedial Measure.



Manhole Remediation Plan

Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A - Very Good Condition
- B - Good Condition
- C - Fair Condition
- D - Poor Condition
- E - Very Poor Condition

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
1750	W	D	C	SSMHT0005820	600 BLK GOLDEN RD	Solid		No	Moderate	Trees/Woods	Unpaved	Above Grade	4	Std 48 Round	Concrete	15.86	207.64		\$ 840	\$ 840	Realign and Seal Casting
1751	W	C	C	SSMHT0005821	600 BLK GOLDEN RD	Solid		No	None	Field	Unpaved	Above Grade	15	Std 48 Round	Concrete	17.82	232.26		\$ 400	\$ -	Monitor in CMOM
1752	W	C	C	SSMHT0005822	2320 PINKERTON DR	Vented	2	Yes	Moderate	Gutter	Paved - Concrete	At Grade		Std 48 Round	Brick	11.10	147.86	2	\$ 4,140	\$ -	Monitor in CMOM
1753	W	C	C	SSMHT0005824	2400 PINKERTON DR	Solid		No	Light	Driveway	Paved - Concrete	At Grade		Std 48 Round	Brick	4.63	66.59		\$ 900	\$ -	Monitor in CMOM
1754	W	C	C	SSMHT0005825	743 PINKERTON DR	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	15.20	199.35	2	\$ 5,582	\$ -	Monitor in CMOM
1755	W	C	C	SSMHT0005826	2418 PINKERTON DR	Vented	2	No	Light	Yard	Unpaved	Above Grade	1	Std 48 Round	Brick	9.85	132.16	2	\$ 3,700	\$ -	Monitor in CMOM
1756	W	C	C	SSMHT0005832	804 PINKERTON DR	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	9.01	121.61	2	\$ 4,045	\$ -	Monitor in CMOM
1757	W	C	C	SSMHT0005833	800 PINKERTON DR	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	11.01	146.73	2	\$ 5,628	\$ -	Monitor in CMOM
1758	W	D	C	SSMHT0005861	600 BLK GOLDEN RD	Solid		No	None	Road Shoulder	Unpaved	Above Grade	28	Std 48 Round	Concrete	12.83	169.58		\$ 650	\$ 650	Realign and Seal Casting
1759	W	C	C	SSMHT0005862	600 BLK GOLDEN RD	Solid		Yes	None	Road Shoulder	Unpaved	At Grade		Std 60 Round	Concrete	15.95	259.75	2	\$ 8,483	\$ -	Monitor in CMOM
1760	W	D	C	SSMHT0005863	601 GOLDEN RD	Solid		No	None	Road Shoulder	Unpaved	Above Grade	32	Std 48 Round	Concrete	17.09	223.09	2	\$ 6,887	\$ 6,887	Seal Coat Manhole
1761	W	C	C	SSMHT0005864	601 GOLDEN RD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	10	Std 48 Round	Concrete	15.66	205.13		\$ 650	\$ -	Monitor in CMOM
1762	W	C	C	SSMHT0005865	601 GOLDEN RD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	47	Std 48 Round	Concrete	18.76	244.07	2	\$ 7,404	\$ -	Monitor in CMOM
1763	W	D	C	SSMHT0005866	1900 BLK E FRONT ST	Solid		No	Moderate	Trees/Woods	Unpaved	Below Grade	9	Std 60 Round	Concrete	15.69	255.66		\$ 1,440	\$ 1,440	Realign and Seal Casting
1764	W	C	C	SSMHT0005867	702 S PORTER AVE	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	8	Std 48 Round	Brick	7.39	101.26	2	\$ 3,475	\$ -	Monitor in CMOM
1765	W	D	C	SSMHT0005868	702 S PORTER AVE	Vented	2	No	Moderate	Trees/Woods	Unpaved	Above Grade	7	Std 48 Round	Brick	5.22	74.00		\$ 1,810	\$ 1,810	Realign and Seal Casting
1766	W	D	C	SSMHT0005869	800 BLK S PORTER AVE	Vented	2	No	Light	Field	Unpaved	Above Grade	5	Std 48 Round	Brick	6.49	89.95	2	\$ 2,519	\$ 2,519	Seal Coat Manhole
1767	W	D	C	SSMHT0005880	1922 E FRONT ST	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 60 Round	Concrete	18.18	294.76		\$ 1,610	\$ 1,610	Repair Pipe Seal
1768	W	C	C	SSMHT0005881	1918 E EARLE ST	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 60 Round	Concrete	15.63	254.72	2	\$ 7,772	\$ -	Monitor in CMOM
1769	W	C	C	SSMHT0005882	1922 E FRONT ST	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	9.86	132.28	2	\$ 4,654	\$ -	Monitor in CMOM
1770	W	D	C	SSMHT0005883	1922 E FRONT ST	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	10.31	137.93	2	\$ 3,862	\$ 3,862	Seal Coat Manhole
1771	W	C	C	SSMHT0005884	1900 BLK E FRONT ST	Solid		No	None	Trees/Woods	Unpaved	Above Grade	21	Std 60 Round	Concrete	14.03	229.60		\$ 970	\$ -	Monitor in CMOM
1772	W	C	C	SSMHT0005889	1900 BLK E FRONT ST	Solid		No	None	Trees/Woods	Unpaved	Above Grade	28	Std 60 Round	Concrete	17.05	277.02	2	\$ 8,326	\$ -	Monitor in CMOM
1773	W	D	C	SSMHT0005904	120 SSE LOOP 323	Vented	2	No	Moderate	Yard	Unpaved	At Grade		Std 48 Round	Concrete	5.22	74.00		\$ 1,240	\$ 1,240	Realign and Seal Casting
1774	W	D	C	SSMHT0005905	401 NNE LOOP 323	Solid		No	Light	Road Shoulder	Unpaved	At Grade		Std 48 Round	Sealed Concrete	7.82	106.66		\$ 1,290	\$ 1,290	Realign and Seal Casting
1775	W	C	C	SSMHT0005909	NO NUMBER N VIRGINIA AVE	Vented	2	No	None	Field	Unpaved	Above Grade	32	Std 48 Round	Brick	5.36	75.76	2	\$ 2,121	\$ -	Monitor in CMOM
1776	W	A	A	SSMHT0005935	2624 ERWIN ST	Solid		No	Light	Road Shoulder	Unpaved	At Grade		Std 48 Round	Sealed Concrete	9.48			\$ -	\$ -	Monitor in CMOM
1777	W	C	C	SSMHT0005948	1900 BLK E FRONT ST	Solid		No	None	Trees/Woods	Unpaved	Above Grade	12	Std 60 Round	Concrete	16.67	271.05	2	\$ 8,229	\$ -	Monitor in CMOM
1778	W	D	C	SSMHT0005951	401 NNE LOOP 323	Vented	2	No	Moderate	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	6.04	84.30		\$ 590	\$ 590	Repair Chimney
1779	W	D	C	SSMHT0005959	1215 ELIZABETH DR	Solid		No	Moderate	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	9.59	128.89		\$ 590	\$ 590	Repair Chimney
1780	W	C	C	SSMHT0005964	206 E ERWIN ST	Solid		No	Light	Alley	Paved - Concrete	At Grade		Std 48 Round	Brick	10.09	135.17	2	\$ 5,575	\$ -	Monitor in CMOM
1781	W	C	C	SSMHT0006431	3000 BLK. E. 5TH ST.	Vented	2	No	Light	Road Shoulder	Unpaved	Above Grade	5	Std 48 Round	Brick	9.38	126.25	2	\$ 3,535	\$ -	Monitor in CMOM
1782	W	D	C	SSMHT0006432	2900 BLK. E. 5TH ST.	Solid				Road Shoulder	Unpaved	At Grade							\$ 150	\$ 150	Install Inflow Dish
1783	W	D	C	SSMHT0006438	3400 E 5TH ST	Vented	2	No	Moderate	Parking Lot	Paved - Asphalt	At Grade		Std 48 Round	Sealed Brick	8.56	115.95	2	\$ 4,077	\$ 4,077	Seal Coat Manhole
1784	W	D	C	SSMHT0006439	1500 BLK GISH LN	Vented	2	No	Moderate	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	10.44	139.57		\$ 590	\$ 590	Repair Chimney
1785	W	C	C	SSMHT0006441	2410 OLD OMEN RD	Vented	2	No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	12.38	163.93	2	\$ 4,590	\$ -	Monitor in CMOM
1786	W	A	A	SSMHT0006442	2400 BLCK OLD OMEN RD	Solid	2	No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	9.36			\$ -	\$ -	Monitor in CMOM
1787	W	C	C	SSMHT0006444	2318 OLD OMEN RD	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	9.92	133.04	2	\$ 3,725	\$ -	Monitor in CMOM
1788	W	C	C	SSMHT0006446	2200 BROOKHAVEN DR	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	13.61	179.38	2	\$ 5,023	\$ -	Monitor in CMOM
1789	W	C	C	SSMHT0006447	2214 OLD OMEN RD	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	9.64	129.52	2	\$ 3,627	\$ -	Monitor in CMOM
1790	W	B	B	SSMHT0006448	2304 OLD OMEN RD	Vented	2	No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	8.62			\$ -	\$ -	Monitor in CMOM
1791	W	C	C	SSMHT0006486	2900 BLK. E. 5TH ST.	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	3	Std 48 Round	Concrete	10.46	139.82		\$ 400	\$ -	Monitor in CMOM
1792	W	C	C	SSMHT0006493	3028 TANGLEWOOD DR	Vented	2	No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	9.83	131.90	2	\$ 3,693	\$ -	Monitor in CMOM
1793	W	C	C	SSMHT0006500	3225 SANDALWOOD LN	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	6.61	91.46	2	\$ 2,561	\$ -	Monitor in CMOM
1794	W	D	C	SSMHT0006501	3225 SANDALWOOD LN	Solid				Drainage Ditch	Unpaved	Above Grade	1						\$ 150	\$ 150	Install Inflow Dish
1795	W	C	C	SSMHT0006502	2210 WOODHAVEN DR	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	23	Std 48 Round	Brick	6.01	83.93	2	\$ 2,350	\$ -	Monitor in CMOM
1796	W	C	C	SSMHT0006504	3000 BLK. E. 5TH ST.	Solid		No	Moderate	Road Shoulder	Unpaved	At Grade		Std 48 Round	Brick	6.68	92.34	2	\$ 3,416	\$ -	Monitor in CMOM
1797	W	D	C	SSMHT0006507	NO NUMBER PINECREST DR	Solid		No	Light	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	10.11	135.42	2	\$ 4,442	\$ 4,442	Seal Coat Manhole



Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A – Very Good Condition
- B – Good Condition
- C – Fair Condition
- D – Poor Condition
- E – Very Poor Condition

Manhole Remediation Plan

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
1798	W	D	C	SSMHT0006510	NO NUMBER PINECREST DR	Vented	2	No	Moderate	Trees/Woods	Unpaved	Above Grade	9	Std 48 Round	Brick	5.25	74.38	2	\$ 2,913	\$ 2,913	Seal Coat Manhole
1799	W	C	C	SSMHT0006511	NO # TANGLEWOOD DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	9	Std 48 Round	Brick	6.92	95.36	2	\$ 3,310	\$ -	Monitor in CMOM
1800	W	C	C	SSMHT0006518	2106 WOODHAVEN DR	Vented	2	No	Light	Trees/Woods	Unpaved	Above Grade	22	Std 48 Round	Concrete	3.08	47.12		\$ 1,620	\$ -	Monitor in CMOM
1801	W	C	C	SSMHT0006519	2106 WOODHAVEN DR.	Vented	2	No	Light	Trees/Woods	Unpaved	Above Grade	39	30	Concrete	3.02	46.37		\$ 1,050	\$ -	Monitor in CMOM
1802	W	D	C	SSMHT0006578	2632 WOODHAVEN DR	Vented	2	No	Light	Trees/Woods	Unpaved	Above Grade	48	Std 48 Round	Brick	4.96	70.74		\$ 1,050	\$ 1,050	Realign and Seal Casting
1803	W	D	C	SSMHT0006637	2717 S. BOLDT AVE.	Solid		No	Severe	Drainage Ditch	Unpaved	Above Grade	57	Std 48 Round	Concrete	7.36	100.88		\$ 190	\$ 190	Install Inflow Dish
1804	W	C	C	SSMHT0006650	1305 LOOP 323	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	20	Std 48 Round	Concrete	16.72	218.44	2	\$ 6,756	\$ -	Monitor in CMOM
1805	W	D	C	SSMHT0006655	2700 BLK. E. 5TH ST.	Vented	2	No	Moderate	Road Shoulder	Unpaved	Below Grade	4	Std 48 Round	Concrete	11.26	149.87		\$ 1,190	\$ 1,190	Raise Casting
1806	W	D	C	SSMHT0006660	2537 E 5TH ST	Vented	2	No	Moderate	Driveway	Paved - Concrete	At Grade		Std 48 Round	Brick	11.08	147.60		\$ 190	\$ 190	Install Inflow Dish
1807	W	A	A	SSMHT0006666	2000 BLK BOLDT AVE	Solid		No	Light	Road Shoulder	Unpaved	At Grade		Std 48 Round	Sealed Brick	9.53			\$ -	\$ -	Monitor in CMOM
1808	W	C	C	SSMHT0006667	1812 SAMPSON DR	Solid		No	Light	Yard	Unpaved	At Grade		Std 48 Round	Brick	5.73	80.41	2	\$ 2,251	\$ -	Monitor in CMOM
1809	W	D	C	SSMHT0006668	1801 SSE LOOP 323	Solid		No	None	Trees/Woods	Unpaved	Above Grade	17	Std 48 Round	Concrete	11.98	158.91	2	\$ 5,739	\$ 5,739	Seal Coat Manhole
1810	W	D	C	SSMHT0006669	1801 SSE LOOP 323	Solid		No	None	Trees/Woods	Unpaved	Above Grade	19	Std 48 Round	Concrete	12.28	162.68	2	\$ 5,195	\$ 5,195	Seal Coat Manhole
1811	W	C	C	SSMHT0006673	1771 SSE LOOP 323	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	11	Std 48 Round	Concrete	10.86	144.84	2	\$ 4,056	\$ -	Monitor in CMOM
1812	W	C	C	SSMHT0006674	2605 E FIFTH ST	Solid		No	None	Yard	Unpaved	Above Grade	8	Std 48 Round	Concrete	12.95	171.09	2	\$ 5,361	\$ -	Monitor in CMOM
1813	W	D	C	SSMHT0006677	1700 BLK SAMPSON DR	Solid		No	Moderate	Trees/Woods	Unpaved	Below Grade	2	Std 48 Round	Concrete	12.59	166.57	2	\$ 4,854	\$ 4,854	Seal Coat Manhole
1814	W	D	C	SSMHT0006678	1823 SSE LOOP 323	Solid		No	None	Trees/Woods	Unpaved	Above Grade	41	Std 48 Round	Concrete	14.85	194.96		\$ 1,290	\$ 1,290	Realign and Seal Casting
1815	W	D	C	SSMHT0006679	NO NUMBER MARILYN DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	24	Std 48 Round	Concrete	12.55	166.07		\$ 650	\$ 650	Realign and Seal Casting
1816	W	D	C	SSMHT0006680	NO NUMBER MARILYN DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	27	Std 48 Round	Concrete	14.52	190.81	2	\$ 6,633	\$ 6,633	Seal Coat Manhole
1817	W	A	A	SSMHT0006684	2025 S. SE LOOP 323	Solid		Yes	None	Road Shoulder	Unpaved	At Grade		Std 48 Round	Sealed Concrete	12.06			\$ -	\$ -	Monitor in CMOM
1818	W	A	A	SSMHT0006685	2025 S. SE LOOP 323	Solid		No	Light	Road Shoulder	Unpaved	At Grade		Std 48 Round	Sealed Concrete	14.77			\$ -	\$ -	Monitor in CMOM
1819	W	A	A	SSMHT0006688	2401 S. SE LOOP 323	Solid		No	Light	Creek	Unpaved	Above Grade	97	Std 48 Round	Concrete	14.39			\$ -	\$ -	Monitor in CMOM
1820	W	C	C	SSMHT0006714	2348 SUANNE DR	Solid		No	Light	Field	Unpaved	Above Grade	1	Std 48 Round	Concrete	5.48	77.27		\$ 570	\$ -	Monitor in CMOM
1821	W	C	C	SSMHT0006715	2315 SUANNE DR	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	7.12	97.87		\$ 400	\$ -	Monitor in CMOM
1822	W	D	C	SSMHT0006717	2348 SUANNE DR	Solid		No	Light	Field	Unpaved	At Grade		Std 48 Round	Concrete	11.52	153.13	2	\$ 5,138	\$ 5,138	Seal Coat Manhole
1823	W	A	A	SSMHT0006720	2000 BLK BOLDT AVE	Solid		No	Light	Field	Unpaved	At Grade		Std 48 Round	Concrete	8.57			\$ -	\$ -	Monitor in CMOM
1824	W	C	C	SSMHT0006721	NO NUMBER MARILYN DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	24	Std 48 Round	Concrete	12.13	160.79	2	\$ 5,712	\$ -	Monitor in CMOM
1825	W	D	C	SSMHT0006722	2512 MARILYN DR.	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	23	Std 48 Round	Concrete	13.01	171.85		\$ 650	\$ 650	Realign and Seal Casting
1826	W	C	C	SSMHT0006725	1929 SSE LOOP 323	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	1	Std 48 Round	Concrete	15.52	203.37	2	\$ 6,984	\$ -	Monitor in CMOM
1827	W	C	C	SSMHT0006728	2228 GOLDEN RD.	Solid		No	None	Yard	Unpaved	Above Grade	1	Std 48 Round	Concrete	4.41	63.83		\$ 850	\$ -	Monitor in CMOM
1828	W	A	A	SSMHT0006729	2228 GOLDEN ST.	Solid		No	None	Yard	Unpaved	Above Grade	3	Std 48 Round	Concrete	5.49			\$ -	\$ -	Monitor in CMOM
1829	W	C	C	SSMHT0006735	2430 S. BOLDT AVE.	Solid		No	Light	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	5.55	78.15		\$ 400	\$ -	Monitor in CMOM
1830	W	D	C	SSMHT0006738	2500 BLK. MCDONALD RD.	Solid		No	Moderate	Gutter	Paved - Concrete	At Grade		Std 48 Round	Concrete	10.60	141.58	2	\$ 4,794	\$ 4,794	Seal Coat Manhole
1831	W	D	C	SSMHT0006740	2200 BLK. S. SE LOOP 323	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	24	Std 48 Round	Concrete	10.05	134.67	2	\$ 3,771	\$ 3,771	Seal Coat Manhole
1832	W	C	C	SSMHT0006741	2401 S. SE LOOP 323	Solid		Yes	Light	Road Shoulder	Unpaved	Above Grade	16	Std 48 Round	Concrete	10.91	145.47		\$ 400	\$ -	Monitor in CMOM
1833	W	C	C	SSMHT0006742	2401 S. SE LOOP 323	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	5	Std 48 Round	Concrete	14.32	188.30		\$ 400	\$ -	Monitor in CMOM
1834	W	D	C	SSMHT0006743	2326 PLEASANT DR.	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	6	Std 48 Round	Concrete	7.54	103.14		\$ 1,290	\$ 1,290	Realign and Seal Casting
1835	W	C	C	SSMHT0006745	2500 BLK. MCDONALD RD.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	4	Std 48 Round	Concrete	10.14	135.80		\$ 1,500	\$ -	Monitor in CMOM
1836	W	C	C	SSMHT0006748	2310 S. BOLDT AVE.	Solid		No	Moderate	Road Shoulder	Unpaved	Below Grade	2	Std 48 Round	Concrete	5.97	83.42		\$ 590	\$ -	Monitor in CMOM
1837	W	C	C	SSMHT0006749	2310 S. BOLDT AVE.	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	1	Std 48 Round	Sealed Concrete	5.90	82.54	2	\$ 2,311	\$ -	Monitor in CMOM
1838	W	C	C	SSMHT0006752	2601 S. BOLDT AVE.	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	5.01	71.37		\$ 1,220	\$ -	Monitor in CMOM
1839	W	D	C	SSMHT0006753	2614 S. BOLDT AVE.	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	6.45	89.45	2	\$ 2,505	\$ 2,505	Seal Coat Manhole
1840	W	A	A	SSMHT0006754	2601 S. BOLDT AVE.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	5.73			\$ -	\$ -	Monitor in CMOM
1841	W	D	C	SSMHT0006755	2614 S. BOLDT AVE.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	8.03	109.30	2	\$ 3,560	\$ 3,560	Seal Coat Manhole
1842	W	D	C	SSMHT0006756	2717 S. BOLDT AVE.	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	11	Std 48 Round	Brick	12.52	165.69	2	\$ 4,639	\$ 4,639	Seal Coat Manhole
1843	W	D	C	SSMHT0006758	2717 S. BOLDT AVE.	Vented	2	No	Moderate	Drainage Ditch	Unpaved	Above Grade	23	Std 48 Round	Brick	5.61	78.90	2	\$ 3,049	\$ 3,049	Seal Coat Manhole
1844	W	D	C	SSMHT0006759	2717 S. BOLDT AVE.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	12	Std 48 Round	Brick	9.01	121.61	2	\$ 4,195	\$ 4,195	Seal Coat Manhole
1845	W	C	C	SSMHT0006765	6223 S. BOLDT AVE.	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	16	Std 48 Round	Brick	7.36	100.88	2	\$ 2,825	\$ -	Monitor in CMOM
1846	W	C	C	SSMHT0006767	1602 S.S.E. LOOP 323	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	2	Std 48 Round	Concrete	15.24	199.85	2	\$ 6,236	\$ -	Monitor in CMOM
1847	W	D	C	SSMHT0006768	1717 SSE LOOP 323	Solid		No	Light	Creek	Unpaved	Above Grade	14	Std 48 Round	Concrete	14.02	184.53		\$ 650	\$ 650	Realign and Seal Casting
1848	W	A	A	SSMHT0006789	1400 E FIFTH ST	Solid		No	Light	Sidewalk	Paved - Concrete	At Grade		Std 48 Round	Concrete	13.41			\$ -	\$ -	Monitor in CMOM
1849	W	D	C	SSMHT0006807	1305 LOOP 323	Solid		No	None	Trees/Woods	Unpaved	Above Grade	48	Std 48 Round	Concrete	18.88	245.57		\$ 1,210	\$ 1,210	Repair Pipe Seal



Manhole Remediation Plan

Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

A - Very Good Condition
 B - Good Condition
 C - Fair Condition
 D - Poor Condition
 E - Very Poor Condition

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
1850	W	D	C	SSMHT0006808	2517 PINKERTON DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	38	Std 48 Round	Concrete	13.56	178.75	2	\$ 5,645	\$ 5,645	Seal Coat Manhole
1851	W	A	A	SSMHT0006811	2525 E 5TH ST	Vented	2	No	None	Parking Lot	Paved - Asphalt	At Grade		Std 48 Round	Brick	10.24			\$ -	\$ -	Monitor in CMOM
1852	W	C	C	SSMHT0006814	2228 GOLDEN RD.	Solid		No	None	Yard	Unpaved	Above Grade	6	Std 48 Round	Concrete	8.31	112.81		\$ 640	\$ -	Monitor in CMOM
1853	W	D	C	SSMHT0006817	2500 BLK. MCDONALD RD.	Solid		No	Light	Yard	Unpaved	Below Grade	1	Std 48 Round	Concrete	10.88	145.09		\$ 1,230	\$ 1,230	Repair Pipe Seal
1854	W	D	C	SSMHT0006822	214 JOSEPH DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	17	Std 60 Round	Concrete	15.79	257.23	2	\$ 7,843	\$ 7,843	Seal Coat Manhole
1855	W	D	C	SSMHT0006824	425 E. COMMERCE ST.	Vented	2	No	Moderate	Trees/Woods	Unpaved	Below Grade	1	Std 48 Round	Concrete	6.80	93.85		\$ 590	\$ 590	Repair Chimney
1856	W	A	A	SSMHT0006835	1305 LOOP 323	Solid		No	None	Trees/Woods	Unpaved	Above Grade	24	Std 48 Round	Concrete	9.16			\$ -	\$ -	Monitor in CMOM
1857	W	D	C	SSMHT0007102	3100 BLK. CAMPBELL PKWY.	Solid		No	Light	Yard	Unpaved	Above Grade	7	Std 48 Round	Concrete	9.92	133.04		\$ 1,050	\$ 1,050	Realign and Seal Casting
1858	W	A	A	SSMHT0007103	3100 BLK. CAMPBELL PKWY.	Solid		No	None	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	14.48			\$ -	\$ -	Monitor in CMOM
1859	W	A	A	SSMHT0007120	3839 SCENIC DR.	Solid		No	Light	Drainage Ditch	Unpaved	Above Grade	25	Std 48 Round	Concrete	9.13			\$ -	\$ -	Monitor in CMOM
1860	W	A	A	SSMHT0007121	3839 SCENIC DR.	Solid		Yes	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	9.37			\$ -	\$ -	Monitor in CMOM
1861	W	C	C	SSMHT0007197	4800 BLK CASCADES SHORELINE DR	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Sealed Concrete	9.22	124.24		\$ 400	\$ -	Monitor in CMOM
1862	W	C	C	SSMHT0007198	2400 BLK SWIKEN BRIDGE DR	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Sealed Concrete	7.37	101.01		\$ 400	\$ -	Monitor in CMOM
1863	W	C	C	SSMHT0007199	2400 BLK SWIKEN BRIDGE DR	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Sealed Concrete	7.78	106.16		\$ 400	\$ -	Monitor in CMOM
1864	W	C	C	SSMHT0007200	2400 BLK SWIKEN BRIDGE DR	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Sealed Concrete	8.33	113.06		\$ 400	\$ -	Monitor in CMOM
1865	W	C	C	SSMHT0007201	2400 BLK SWIKEN BRIDGE DR	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Sealed Concrete	11.29	150.24		\$ 400	\$ -	Monitor in CMOM
1866	W	D	C	SSMHT0007202	2400 BLK SWIKEN BRIDGE DR	Solid		No	Moderate	Road Shoulder	Unpaved	Above Grade	4	Std 48 Round	Sealed Concrete	8.78	118.72		\$ 840	\$ 840	Realign and Seal Casting
1867	W	D	C	SSMHT0007203	2400 BLK SWIKEN BRIDGE DR	Solid		No	Moderate	Road Shoulder	Unpaved	Above Grade	4	Std 48 Round	Sealed Concrete	7.92	107.92		\$ 840	\$ 840	Realign and Seal Casting
1868	W	C	C	SSMHT0007223	4100 HOGAN DR.	Solid		No	None	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	9.22	124.24		\$ 400	\$ -	Monitor in CMOM
1869	W	C	C	SSMHT0007224	4100 BLK. HOGAN DR.	Solid		No	None	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	7.50	102.64		\$ 400	\$ -	Monitor in CMOM
1870	W	A	A	SSMHT0007228	3900 BLK. HOGAN DR.	Solid		No	None	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	11.86			\$ -	\$ -	Monitor in CMOM
1871	W	C	C	SSMHT0007229	4085 HOGAN DR.	Solid		No	None	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	6.74	93.09		\$ 400	\$ -	Monitor in CMOM
1872	W	A	A	SSMHT0007230	4000 BLK. HOGAN DR.	Solid		No	None	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	5.4			\$ -	\$ -	Monitor in CMOM
1873	W	A	A	SSMHT0007232	4000 BLK. HOGAN DR.	Solid		No	None	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	5.1			\$ -	\$ -	Monitor in CMOM
1874	W	A	A	SSMHT0007241	3600 BLK. WELLINGTON CT.	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	7.94			\$ -	\$ -	Monitor in CMOM
1875	W	A	A	SSMHT0007242	3600 BLK. WELLINGTON CT.	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	6			\$ -	\$ -	Monitor in CMOM
1876	W	B	B	SSMHT0007243	3600 BLK. WELLINGTON CT.	Solid		No	None	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	5.54			\$ -	\$ -	Monitor in CMOM
1877	W	C	C	SSMHT0007244	3600 BLK. WELLINGTON CT.	Solid		No	Moderate	Gutter	Paved - Concrete	At Grade		Std 48 Round	Concrete	6.78	93.60		\$ 590	\$ -	Monitor in CMOM
1878	W	A	A	SSMHT0007245	3600 BLK. WELLINGTON CT.	Solid		No	None	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	10.42			\$ -	\$ -	Monitor in CMOM
1879	W	A	A	SSMHT0007246	3600 BLK. WELLINGTON CT.	Solid		No	None	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	12.5			\$ -	\$ -	Monitor in CMOM
1880	W	D	C	SSMHT0007253	4550 BELLWOOD RD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	23	Std 48 Round	Concrete	15.64	204.88	2	\$ 6,377	\$ 6,377	Seal Coat Manhole
1881	W	C	C	SSMHT0007254	2025 S. SW LOOP 323	Solid		Yes	None	Driveway	Paved - Asphalt	At Grade		Std 48 Round	Concrete	9.63	129.39	2	\$ 4,263	\$ -	Monitor in CMOM
1882	W	B	B	SSMHT0007267	2621 COTTEN RD.	Solid		No	None	Driveway	Paved - Asphalt	At Grade		Std 48 Round	Concrete	9			\$ -	\$ -	Monitor in CMOM
1883	W	D	C	SSMHT0007279	10150 FM 14	Solid		No	None	Yard	Unpaved	Above Grade	23	Std 48 Round	Concrete	10.28	137.56	2	\$ 3,852	\$ 3,852	Seal Coat Manhole
1884	W	D	C	SSMHT0007280	10150 FM 14	Solid		No	None	Road Shoulder	Unpaved	Above Grade	5	Std 48 Round	Concrete	6.24	86.81	2	\$ 3,001	\$ 3,001	Seal Coat Manhole
1885	W	D	C	SSMHT0007307	2025 S. SW LOOP 323	Solid		Yes	None	Road Shoulder	Unpaved	Below Grade	2	Std 48 Round	Concrete	9.28	125.00	2	\$ 3,500	\$ 3,500	Seal Coat Manhole
1886	W	B	B	SSMHT0007324	3839 SCENIC DR.	Solid		No	None	Yard	Unpaved	Above Grade	16	Std 48 Round	Concrete	8.76			\$ -	\$ -	Monitor in CMOM
1887	W	C	C	SSMHT0007467	12342 HWY. 64	Solid		No	None	Trees/Woods	Unpaved	Above Grade	48	Std 48 Round	Concrete	10.00	134.04	2	\$ 3,753	\$ -	Monitor in CMOM
1888	W	D	C	SSMHT0007492	14191 HWY 69 W.	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	47	Std 48 Round	Concrete	11.56	153.63	2	\$ 4,302	\$ 4,302	Seal Coat Manhole
1889	W	D	C	SSMHT0007502	2310 CECIL AVE.	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	15	Std 48 Round	Brick	8.10	110.18	2	\$ 3,735	\$ 3,735	Seal Coat Manhole
1890	W	D	C	SSMHT0007503	2310 CECIL AVE.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	17	Std 48 Round	Brick	9.64	129.52	2	\$ 3,627	\$ 3,627	Seal Coat Manhole
1891	W	A	A	SSMHT0007505	516 EISENHOWER DR	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	5.99			\$ -	\$ -	Monitor in CMOM
1892	W	D	C	SSMHT0007506	NO NUMBER CR 46	Solid		No	None	Field	Unpaved	Above Grade	13	Std 60 Round	Brick	12.61	207.31	2	\$ 6,455	\$ 6,455	Seal Coat Manhole
1893	W	D	C	SSMHT0007507	NO NUMBER CR 46	Solid		No	None	Field	Unpaved	Above Grade	34	Std 60 Round	Brick	12.81	210.45	2	\$ 6,463	\$ 6,463	Seal Coat Manhole
1894	W	D	C	SSMHT0007508	NO NUMBER CR 46	Solid		No	Light	Field	Unpaved	Above Grade	4	Std 48 Round	Brick	14.68	192.82	2	\$ 6,049	\$ 6,049	Seal Coat Manhole
1895	W	D	C	SSMHT0007509	14461 CR 46	Solid		No	None	Field	Unpaved	Above Grade	30	Std 60 Round	Brick	23.28	374.83		\$ 1,050	\$ 1,050	Realign and Seal Casting
1896	W	D	C	SSMHT0007510	14461 CR 46	Solid		No	None	Field	Unpaved	Above Grade	22	Std 60 Round	Brick	19.94	322.39		\$ 1,050	\$ 1,050	Realign and Seal Casting
1897	W	C	C	SSMHT0007511	14461 CR 46	Solid		No	None	Field	Unpaved	Above Grade	18	Std 60 Round	Brick	10.96	181.40	2	\$ 5,079	\$ -	Monitor in CMOM
1898	W	C	C	SSMHT0007512	14461 CR 46	Solid		No	None	Field	Unpaved	Above Grade	32	Std 60 Round	Brick	10.43	173.08	2	\$ 4,846	\$ -	Monitor in CMOM
1899	W	D	C	SSMHT0007513	14461 CR 46	Solid		No	None	Field	Unpaved	Above Grade	32	Std 60 Round	Brick	11.98	197.42		\$ 1,050	\$ 1,050	Realign and Seal Casting
1900	W	D	C	SSMHT0007514	14461 CR 46	Solid		No	None	Field	Unpaved	Above Grade	43	Std 60 Round	Brick	11.82	194.90		\$ 1,050	\$ 1,050	Realign and Seal Casting
1901	W	D	C	SSMHT0007515	14461 CR 46	Solid		No	None	Field	Unpaved	Above Grade	40	Std 60 Round	Brick	13.40	219.71		\$ 1,050	\$ 1,050	Realign and Seal Casting



Manhole Remediation Plan

Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A - Very Good Condition
- B - Good Condition
- C - Fair Condition
- D - Poor Condition
- E - Very Poor Condition

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
1902	W	D	C	SSMHT0007516	13743 COUNTY RD. 46	Solid		No	Moderate	Field	Unpaved	Above Grade	13	Std 60 Round	Brick	15.72	256.13	2	\$ 8,652	\$ 8,652	Seal Coat Manhole
1903	W	D	C	SSMHT0007517	13743 COUNTY RD. 46	Solid		No	Light	Field	Unpaved	Above Grade	20	Std 60 Round	Brick	16.20	263.67		\$ 1,050	\$ 1,050	Realign and Seal Casting
1904	W	C	C	SSMHT0007518	13743 COUNTY RD. 46	Solid		No	None	Field	Unpaved	Above Grade	39	Std 60 Round	Brick	17.82	289.10	2	\$ 8,095	\$ -	Monitor in CMOM
1905	W	D	C	SSMHT0007519	13743 COUNTY RD. 46	Solid		No	None	Field	Unpaved	Above Grade	23						\$ 150	\$ 150	Install Inflow Dish
1906	W	D	C	SSMHT0007520	13743 COUNTY RD. 46	Solid		No	None	Field	Unpaved	Above Grade	40	Std 60 Round	Brick	19.22	311.08	2	\$ 10,000	\$ 10,000	Seal Coat Manhole
1907	W	D	C	SSMHT0007521	13743 COUNTY RD. 46	Solid		No	Light	Field	Unpaved	Above Grade	38	Std 60 Round	Brick	18.96	307.00	2	\$ 9,246	\$ 9,246	Seal Coat Manhole
1908	W	D	C	SSMHT0007522	13743 COUNTY RD. 46	Solid		No	None	Field	Unpaved	Above Grade	47	Std 60 Round	Brick	17.50	284.08	2	\$ 7,954	\$ 7,954	Seal Coat Manhole
1909	W	D	C	SSMHT0007523	13743 COUNTY RD. 46	Solid		No	None	Field	Unpaved	Above Grade	32	Std 60 Round	Brick	15.62	254.56	2	\$ 7,128	\$ 7,128	Seal Coat Manhole
1910	W	D	C	SSMHT0007525	13743 COUNTY RD. 46	Solid		No	Light	Field	Unpaved	Above Grade	46	Std 60 Round	Brick	20.28	327.73	2	\$ 9,826	\$ 9,826	Seal Coat Manhole
1911	W	D	C	SSMHT0007526	13743 COUNTY RD. 46	Solid		No	Moderate	Field	Unpaved	Above Grade	8	Std 60 Round	Brick	17.12	278.11	2	\$ 9,267	\$ 9,267	Seal Coat Manhole
1912	W	D	C	SSMHT0007528	13743 COUNTY RD. 46					Trees/Woods	Unpaved								\$ 150	\$ 150	Install Inflow Dish
1913	W	D	C	SSMHT0007529	13743 COUNTY RD. 46	Solid		No	Moderate	Trees/Woods	Unpaved	Above Grade	17	Std 60 Round	Brick	12.96	212.80	2	\$ 6,798	\$ 6,798	Seal Coat Manhole
1914	W	D	C	SSMHT0007530	6712 HWY 110	Solid		No	Moderate	Field	Unpaved	Above Grade	10	Std 60 Round	Brick	12.96	212.80	2	\$ 8,008	\$ 8,008	Seal Coat Manhole
1915	W	D	C	SSMHT0007531	6712 HWY 110	Solid		No	Moderate	Field	Unpaved	Above Grade	18	Std 60 Round	Brick	14.36	234.78	2	\$ 8,054	\$ 8,054	Seal Coat Manhole
1916	W	D	C	SSMHT0007532	6712 HWY 110	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	20	Std 60 Round	Brick	18.48	299.47	2	\$ 9,675	\$ 9,675	Seal Coat Manhole
1917	W	D	C	SSMHT0007533	6712 HWY. 110	Vented	2	No	Severe	Trees/Woods	Unpaved	Above Grade	17	Std 60 Round	Brick	16.86	274.03	2	\$ 9,153	\$ 9,153	Seal Coat Manhole
1918	W	D	C	SSMHT0007534	6712 HWY 110	Solid		No	Severe	Trees/Woods	Unpaved	Above Grade	13	Std 60 Round	Brick	16.44	267.44	2	\$ 8,328	\$ 8,328	Seal Coat Manhole
1919	W	D	C	SSMHT0007535	6712 HWY 110	Solid		No	Moderate	Trees/Woods	Unpaved	Above Grade	14	Std 60 Round	Brick	17.34	281.57	2	\$ 8,724	\$ 8,724	Seal Coat Manhole
1920	W	D	C	SSMHT0007536	6712 HWY 110	Vented	1	No	None	Field	Unpaved	Above Grade	12	Std 60 Round	Brick	16.54	269.01	2	\$ 8,182	\$ 8,182	Seal Coat Manhole
1921	W	C	C	SSMHT0007537	6712 HWY 110	Solid		No	None	Field	Unpaved	Above Grade	32	Std 60 Round	Concrete	18.34	297.27		\$ 1,210	\$ -	Monitor in CMOM
1922	W	C	C	SSMHT0007538	14461 CR 46	Solid		No	None	Field	Unpaved	Above Grade	33	Std 48 Round	Brick	15.28	200.36	2	\$ 6,260	\$ -	Monitor in CMOM
1923	W	D	C	SSMHT0007540	NO NUMBER CR 46	Solid		No	None	Field	Unpaved	Above Grade	21	Std 60 Round	Brick	14.44	236.04	2	\$ 7,249	\$ 7,249	Seal Coat Manhole
1924	W	D	C	SSMHT0007541	NO NUMBER CR 46	Solid		No	None	Trees/Woods	Unpaved	Above Grade	36	Std 60 Round	Brick	12.48	205.27		\$ 400	\$ 400	Repair Chimney
1925	W	D	C	SSMHT0007542	NO NUMBER CR 46	Solid		No	Light	Field	Unpaved	Above Grade	22	Std 60 Round	Brick	15.38	250.80	2	\$ 8,312	\$ 8,312	Seal Coat Manhole
1926	W	D	C	SSMHT0007544	NO NUMBER CR 46	Solid		No	Moderate	Field	Unpaved	Above Grade	3	Std 60 Round	Brick	16.58	269.64		\$ 1,240	\$ 1,240	Realign and Seal Casting
1927	W	D	C	SSMHT0007545	13743 COUNTY RD. 46	Solid		No	Moderate	Field	Unpaved	Above Grade	18	Std 60 Round	Brick	16.64	270.58	2	\$ 7,766	\$ 7,766	Seal Coat Manhole
1928	W	D	C	SSMHT0007546	13743 COUNTY RD. 46	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	31	Std 60 Round	Brick	14.64	239.18	2	\$ 7,347	\$ 7,347	Seal Coat Manhole
1929	W	D	C	SSMHT0007547	13743 COUNTY RD. 46	Solid		No	Moderate	Field	Unpaved	Above Grade	8	Std 60 Round	Brick	13.80	225.99	2	\$ 7,168	\$ 7,168	Seal Coat Manhole
1930	W	E	A	SSMHT0007548	6712 HWY 110	Solid		No	Moderate	Trees/Woods	Unpaved	Above Grade	10	Std 60 Round	Brick	16.36	266.18	2	\$ 8,293	\$ 8,293	Seal Coat Manhole
1931	W	D	C	SSMHT0007550	6712 HWY 110	Solid		No	Light	Drainage Ditch	Unpaved	Above Grade	22	Std 60 Round	Brick	22.19	357.71	2	\$ 11,516	\$ 11,516	Seal Coat Manhole
1932	W	D	C	SSMHT0007551	6712 HWY 110	Solid		No	Moderate	Trees/Woods	Unpaved	Above Grade	11	Std 60 Round	Brick	16.98	275.92	2	\$ 8,566	\$ 8,566	Seal Coat Manhole
1933	W	D	C	SSMHT0007552	6712 HWY 110	Solid		No	Light	Drainage Ditch	Unpaved	Above Grade	29	Std 60 Round	Brick	18.62	301.66	2	\$ 9,097	\$ 9,097	Seal Coat Manhole
1934	W	D	C	SSMHT0007553	6712 HWY 110	Bolted		No	None	Field	Unpaved	Above Grade	4	Std 60 Round	Brick	16.24	264.30	2	\$ 8,040	\$ 8,040	Seal Coat Manhole
1935	W	D	C	SSMHT0007554	6712 HWY. 110	Vented	2	No	Severe	Trees/Woods	Unpaved	Above Grade	6	Std 60 Round	Brick	18.32	296.95		\$ 1,480	\$ 1,480	Realign and Seal Casting
1936	W	D	C	SSMHT0007555	13743 COUNTY RD. 46	Solid		No	Moderate	Trees/Woods	Unpaved	Above Grade	11	Std 60 Round	Brick	13.74	225.05		\$ 840	\$ 840	Realign and Seal Casting
1937	W	D	C	SSMHT0007556	13743 COUNTY RD. 46	Solid		No	Moderate	Trees/Woods	Unpaved	Above Grade	6	Std 60 Round	Brick	18.40	298.21	2	\$ 8,540	\$ 8,540	Seal Coat Manhole
1938	W	D	C	SSMHT0007557	2811 PUBLIC RD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	50	Std 60 Round	Brick	18.46	299.15	2	\$ 9,026	\$ 9,026	Seal Coat Manhole
1939	W	D	C	SSMHT0007558	NONE N LUBERTA ST	Solid		No	None	Trees/Woods	Unpaved	Above Grade	29	Std 60 Round	Brick	14.38	235.10	2	\$ 7,223	\$ 7,223	Seal Coat Manhole
1940	W	C	C	SSMHT0007559	NONE N LUBERTA ST	Solid		No	None	Trees/Woods	Unpaved	Above Grade	24	Std 60 Round	Brick	14.25	233.06		\$ 650	\$ -	Monitor in CMOM
1941	W	C	C	SSMHT0007612	4356 HOGAN DR.	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	2	Std 48 Round	Concrete	7.40	101.38	2	\$ 3,489	\$ -	Monitor in CMOM
1942	W	A	A	SSMHT0007615	4100 BLK. HOGAN DR.	Solid		No	None	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	7.08			\$ -	\$ -	Monitor in CMOM
1943	W	D	C	SSMHT0007618	100 BLK. COUNTY RD. 328 E.	Solid		No	Light	Yard	Unpaved	At Grade		Std 48 Round	Concrete	9.18	123.74	2	\$ 3,465	\$ 3,465	Seal Coat Manhole
1944	W	D	C	SSMHT0007619	10150 FM 14	Solid		No	Light	Yard	Unpaved	Above Grade	2	Std 48 Round	Concrete	8.08	109.92	2	\$ 3,078	\$ 3,078	Seal Coat Manhole
1945	W	C	C	SSMHT0007620	3000 BLK. COUNTY RD. 328 W.	Solid		Yes	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	5.64	79.28	2	\$ 2,220	\$ -	Monitor in CMOM
1946	W	C	C	SSMHT0007625	3900 BLK. HOGAN DR.	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	20.42	264.92		\$ 400	\$ -	Monitor in CMOM
1947	W	D	C	SSMHT0007630	4468 CASCADES BLVD	Solid		No	Moderate	Yard	Unpaved	At Grade		Std 48 Round	Concrete	3.49	52.27		\$ 840	\$ 840	Realign and Seal Casting
1948	W	D	C	SSMHT0007634	4367 HOGAN DR.	Solid		No	None	Yard	Unpaved	Above Grade	4	Std 48 Round	Concrete	16.86	220.20		\$ 1,050	\$ 1,050	Realign and Seal Casting
1949	W	A	A	SSMHT0007635	4367 HOGAN DR.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	7.56			\$ -	\$ -	Monitor in CMOM
1950	W	C	C	SSMHT0007636	4361 HOGAN DR.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	7.88	107.41		\$ 500	\$ -	Monitor in CMOM
1951	W	C	C	SSMHT0007637	4356 HOGAN DR.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	10.38	138.81	2	\$ 3,887	\$ -	Monitor in CMOM
1952	W	C	C	SSMHT0007638	4356 HOGAN DR.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	9.04	121.98	2	\$ 3,916	\$ -	Monitor in CMOM
1953	W	D	C	SSMHT0007642	10800 BLK SRUR 164	Solid		No	Light	Yard	Unpaved	Above Grade	2						\$ 150	\$ 150	Install Inflow Dish



Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A – Very Good Condition
- B – Good Condition
- C – Fair Condition
- D – Poor Condition
- E – Very Poor Condition

Manhole Remediation Plan

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
1954	W	C	C	SSMHT0007643	13321 FM 206	Solid		No	None	Field	Unpaved	Above Grade	16	Std 48 Round	Brick	14.41	189.43	2	\$ 5,944	\$ -	Monitor in CMOM
1955	W	B	B	SSMHT0007644	NA FM 206	Solid		No	None	Road Shoulder	Unpaved	Above Grade	10	Std 48 Round	Concrete	8.87			\$ -	\$ -	Monitor in CMOM
1956	W	C	C	SSMHT0007645	NA FM 206	Solid		No	None	Road Shoulder	Unpaved	Above Grade	11	Std 48 Round	Concrete	11.37	151.25		\$ 850	\$ -	Monitor in CMOM
1957	W	D	C	SSMHT0007646	NA HWY 31 W.	Other		No	Severe	Drainage Ditch	Unpaved	Above Grade	3	Std 48 Round	Concrete	4.27	62.07		\$ 1,590	\$ 1,590	Replace Ring and Cover
1958	W	D	C	SSMHT0007647	3211 GREENBRIAR RD.	Vented	2	No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	8.40	113.94		\$ 2,190	\$ 2,190	Replace Ring and Cover
1959	W	C	C	SSMHT0007649	1100 BLK. COTTEN RD.	Solid		No	Light	Drainage Ditch	Unpaved	Above Grade	19	Std 48 Round	Concrete	7.48	102.39	2	\$ 2,867	\$ -	Monitor in CMOM
1960	W	B	B	SSMHT0007650	600 BLK. COTTEN RD.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	10.94			\$ -	\$ -	Monitor in CMOM
1961	W	C	C	SSMHT0007651	12342 HWY 64	Solid		No	None	Road Shoulder	Unpaved	Above Grade	8	Std 48 Round	Concrete	10.96	146.10	2	\$ 4,091	\$ -	Monitor in CMOM
1962	W	A	A	SSMHT0007659	9131 NOTTINGHAM LN	Solid		No	Moderate	Road Shoulder	Unpaved	Below Grade	6	Std 48 Round	Concrete	5.84			\$ -	\$ -	Monitor in CMOM
1963	W	D	C	SSMHT0007660	9131 NOTTINGHAM LN	Solid		No	Moderate	Road Shoulder	Unpaved	Below Grade	7	Std 48 Round	Concrete	5.95	83.17		\$ 790	\$ 790	Raise Casting
1964	W	D	C	SSMHT0007750	10150 FM 14	Solid				Parking Lot	Paved - Concrete	At Grade							\$ 150	\$ 150	Install Inflow Dish
1965	W	D	C	SSMHT0007757	4461 CR 427	Vented	2	No	Moderate	Trees/Woods	Unpaved	At Grade		Std 48 Round	Concrete	16.40	214.42	2	\$ 6,764	\$ 6,764	Seal Coat Manhole
1966	W	D	C	SSMHT0007758	NO NUMBER WELLINGTON TRACE	Solid		No	None	Yard	Unpaved	Above Grade	28	Std 48 Round	Concrete	10.19	136.43	2	\$ 5,110	\$ 5,110	Seal Coat Manhole
1967	W	D	C	SSMHT0007759	NO NUMBER WELLINGTON TRCE	Solid		No	Moderate	Field	Unpaved	Above Grade	5	Std 48 Round	Concrete	7.91	107.79	2	\$ 4,708	\$ 4,708	Seal Coat Manhole
1968	W	C	C	SSMHT0007760	NO NUMBER WELLINGTON TRCE	Solid		No	Light	Field	Unpaved	At Grade		Std 48 Round	Concrete	4.13	60.31		\$ 1,050	\$ -	Monitor in CMOM
1969	W	D	C	SSMHT0007761	NO NUMBER WELLINGTON TRCE	Solid		No	Moderate	Field	Unpaved	At Grade		Std 48 Round	Concrete	6.69	92.47	2	\$ 3,429	\$ 3,429	Seal Coat Manhole
1970	W	A	A	SSMHT0007820	3100 BLK. CAMPBELL PKWY.	Solid		No	Light	Driveway	Paved - Concrete	At Grade		Std 48 Round	Concrete	10.8			\$ -	\$ -	Monitor in CMOM
1971	W	A	A	SSMHT0007823	3100 BLK. CAMPBELL PKWY.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	20	Std 48 Round	Concrete	13.26			\$ -	\$ -	Monitor in CMOM
1972	W	A	A	SSMHT0007824	3100 BLK. CAMPBELL PKWY.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	7	Std 48 Round	Concrete	11.22			\$ -	\$ -	Monitor in CMOM
1973	W	A	A	SSMHT0007825	3839 SCENIC DR.	Solid		Yes	Light	Yard	Unpaved	Above Grade	4	Std 48 Round	Concrete	5.14			\$ -	\$ -	Monitor in CMOM
1974	W	B	B	SSMHT0007930	600 BLK. E. DODGE ST.	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	2	Std 48 Round	Concrete	6.41			\$ -	\$ -	Monitor in CMOM
1975	W	B	B	SSMHT0007931	600 BLK. E. DODGE ST.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	8	Std 48 Round	Concrete	11.26			\$ -	\$ -	Monitor in CMOM
1976	W	D	C	SSMHT0007932	500 BLK. E. FRAZIER ST.	Solid				Road Shoulder	Unpaved	Above Grade	4						\$ 150	\$ 150	Install Inflow Dish
1977	W	A	A	SSMHT0008258	NONE WELLINGTON PL BLVD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	8	Std 48 Round	Concrete	7.4			\$ -	\$ -	Monitor in CMOM
1978	W	D	C	SSMHT0008260	NONE WELLINGTON PL BLVD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	8	Std 48 Round	Concrete	11.77	156.27		\$ 1,610	\$ 1,610	Repair Pipe Seal
1979	W	D	C	SSMHT0008261	NONE WELLINGTON PL BLVD	Bolted		No	Severe	Trees/Woods	Unpaved	Above Grade	21	Std 48 Round	Concrete	14.69	192.95	2	\$ 6,232	\$ 6,232	Seal Coat Manhole
1980	W	C	C	SSMHT0008262	NONE WELLINGTON PL BLVD	Bolted	4	No	None	Trees/Woods	Unpaved	Above Grade	34	Std 48 Round	Concrete	12.78	168.96	2	\$ 4,731	\$ -	Monitor in CMOM
1981	W	A	A	SSMHT0008263	NONE WELLINGTON PL BLVD	Bolted	4	No	None	Trees/Woods	Unpaved	Above Grade	38	Std 48 Round	Concrete	11.58			\$ -	\$ -	Monitor in CMOM
1982	W	C	C	SSMHT0008264	NONE WELLINGTON PL BLVD	Bolted	4	No	None	Trees/Woods	Unpaved	Above Grade	36	Std 48 Round	Concrete	10.75	143.46	2	\$ 4,657	\$ -	Monitor in CMOM
1983	W	C	C	SSMHT0008265	NONE WELLINGTON PL BLVD	Bolted	4	No	None	Trees/Woods	Unpaved	Above Grade	44	Std 48 Round	Concrete	9.78	131.28	2	\$ 3,676	\$ -	Monitor in CMOM
1984	W	A	A	SSMHT0008266	NONE COUNTY RD 4134	Bolted	4	No	None	Trees/Woods	Unpaved	Above Grade	33	Std 48 Round	Concrete	8.73			\$ -	\$ -	Monitor in CMOM
1985	W	D	C	SSMHT0008267	NONE COUNTY ROAD 4134	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	55	Std 48 Round	Concrete	9.87	132.41	2	\$ 4,347	\$ 4,347	Seal Coat Manhole
1986	W	C	C	SSMHT0008269	NONE COUNTY ROAD 4134	Bolted	4	No	Light	Trees/Woods	Unpaved	Above Grade	37	Std 48 Round	Concrete	8.77	118.59	2	\$ 3,321	\$ -	Monitor in CMOM
1987	W	A	A	SSMHT0008270	NO NUMBER HWY 64	Bolted		No	None	Trees/Woods	Unpaved	Above Grade	44	Std 48 Round	Sealed Concrete	8.64			\$ -	\$ -	Monitor in CMOM
1988	W	D	C	SSMHT0008271	NO NUMBER CR 1148	Bolted		No	None	Trees/Woods	Unpaved	Above Grade	23	Std 48 Round	Concrete	8.87	119.85		\$ 1,500	\$ 1,500	Realign and Seal Casting
1989	W	C	C	SSMHT0008272	NO NUMBER CR 1148	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	31	Std 48 Round	Concrete	11.17	148.74	2	\$ 4,735	\$ -	Monitor in CMOM
1990	W	D	C	SSMHT0008273	NO NUMBER CR 1148	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	17	Std 48 Round	Concrete	9.18	123.74	2	\$ 4,035	\$ 4,035	Seal Coat Manhole
1991	W	C	C	SSMHT0008274	NO NUMBER CR 1148	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	25	Std 48 Round	Concrete	10.28	137.56	2	\$ 5,062	\$ -	Monitor in CMOM
1992	W	D	C	SSMHT0008275	NO NUMBER CR 1148	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	28	Std 48 Round	Concrete	10.27	137.43	2	\$ 5,858	\$ 5,858	Seal Coat Manhole
1993	W	C	C	SSMHT0008276	NO NUMBER CR 1148	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	19	Std 48 Round	Concrete	11.14	148.36	2	\$ 4,154	\$ -	Monitor in CMOM
1994	W	C	C	SSMHT0008277	NO NUMBER CR 1148	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	13	Std 48 Round	Concrete	7.56	103.39	2	\$ 4,755	\$ -	Monitor in CMOM
1995	W	C	C	SSMHT0008278	NO NUMBER CR 1148	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	17	Std 48 Round	Concrete	7.45	102.01	2	\$ 3,506	\$ -	Monitor in CMOM
1996	W	C	C	SSMHT0008279	NO NUMBER CR 1148	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	17	Std 48 Round	Concrete	8.38	113.69	2	\$ 3,833	\$ -	Monitor in CMOM
1997	W	C	C	SSMHT0008280	NO NUMBER CR 1148	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	27	Std 48 Round	Concrete	8.50	115.20	2	\$ 3,226	\$ -	Monitor in CMOM
1998	W	D	C	SSMHT0008281	NO NUMBER CR 1148	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	31	Std 48 Round	Concrete	9.74	130.77	2	\$ 4,232	\$ 4,232	Seal Coat Manhole
1999	W	D	C	SSMHT0008282	NO NUMBER CR 1148	Solid		No	None	Trees/Woods	Unpaved	Above Grade	21	Std 48 Round	Concrete	10.44	139.57	2	\$ 4,478	\$ 4,478	Seal Coat Manhole
2000	W	C	C	SSMHT0008283	NO NUMBER CR 1148	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	33	Std 48 Round	Concrete	10.99	146.47		\$ 1,040	\$ -	Monitor in CMOM
2001	W	A	A	SSMHT0008284	NO NUMBER CR 1148	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	37	Std 48 Round	Concrete	12.1			\$ -	\$ -	Monitor in CMOM
2002	W	B	B	SSMHT0008285	NO NUMBER CR 1148	Vented	2	No	Light	Trees/Woods	Unpaved	Above Grade	31	Std 48 Round	Concrete	11.4			\$ -	\$ -	Monitor in CMOM
2003	W	C	C	SSMHT0008286	NO NUMBER CR 1148	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	27	Std 48 Round	Concrete	10.16	136.05	2	\$ 4,379	\$ -	Monitor in CMOM
2004	W	C	C	SSMHT0008287	NO NUMBER CR 1148	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	23	Std 48 Round	Concrete	10.22	136.80	2	\$ 4,470	\$ -	Monitor in CMOM
2005	W	C	C	SSMHT0008288	NO NUMBER CR 1148	Vented	2	No	Light	Trees/Woods	Unpaved	Above Grade	7	Std 48 Round	Concrete	9.44	127.01	2	\$ 4,196	\$ -	Monitor in CMOM



Manhole Remediation Plan

Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less ½ inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

A – Very Good Condition
 B – Good Condition
 C – Fair Condition
 D – Poor Condition
 E – Very Poor Condition

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
2006	W	C	C	SSMHT0008289	NO NUMBER CR 1148	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	10	Std 48 Round	Concrete	10.81	144.21	2	\$ 4,038	\$ -	Monitor in CMOM
2007	W	D	C	SSMHT0008290	NO NUMBER CR 47	Solid		No	None	Road Shoulder	Unpaved	Above Grade	14	Std 48 Round	Concrete	11.41	151.75	2	\$ 4,899	\$ 4,899	Seal Coat Manhole
2008	W	C	C	SSMHT0008291	12342 HWY 64	Solid		No	None	Trees/Woods	Unpaved	Above Grade	22	Std 48 Round	Concrete	8.70	117.71	2	\$ 3,296	\$ -	Monitor in CMOM
2009	W	D	C	SSMHT0008294	400 BLK. E. NE LOOP 323	Solid		No	Moderate	Field	Unpaved	Above Grade	8	Std 48 Round	Concrete	9.68	130.02		\$ 840	\$ 840	Realign and Seal Casting
2010	W	D	C	SSMHT0008295	400 BLK. E. NE LOOP 323	Solid		No	Moderate	Trees/Woods	Unpaved	Above Grade	12	Std 48 Round	Concrete	11.42	151.88		\$ 840	\$ 840	Realign and Seal Casting
2011	W	D	C	SSMHT0008296	400 BLK. E. NE LOOP 323	Solid		No	Light	Field	Unpaved	Above Grade	13	Std 48 Round	Concrete	12.38	163.93		\$ 650	\$ 650	Realign and Seal Casting
2012	W	B	B	SSMHT0008297	1291 COUNTY RD. 3180	Solid		No	Light	Field	Unpaved	Above Grade	4	Std 48 Round	Concrete	13.96			\$ -	\$ -	Monitor in CMOM
2013	W	C	C	SSMHT0008298	1291 COUNTY RD. 3180	Solid		No	Light	Field	Unpaved	At Grade		Std 48 Round	Concrete	13.96	183.78		\$ 640	\$ -	Monitor in CMOM
2014	W	C	C	SSMHT0008299	1291 COUNTY RD. 3180	Solid		No	None	Trees/Woods	Unpaved	Above Grade	10	Std 48 Round	Concrete	12.58	166.44	2	\$ 4,660	\$ -	Monitor in CMOM
2015	W	D	C	SSMHT0008300	1291 COUNTY RD. 3180	Solid				Road Shoulder	Unpaved	At Grade							\$ 150	\$ 150	Install Inflow Dish
2016	W	D	C	SSMHT0008303	1300 BLK. COUNTY RD. 326 W.	Solid				Road Shoulder	Unpaved	Above Grade	2						\$ 150	\$ 150	Install Inflow Dish
2017	W	D	C	SSMHT0008304	1300 BLK. COUNTY RD. 326 W.	Solid				Road Shoulder	Unpaved	Below Grade	2						\$ 150	\$ 150	Install Inflow Dish
2018	W	D	C	SSMHT0008305	9414 COUNTY RD. 327	Solid		No	Light	Road Shoulder	Unpaved	Below Grade	1	Std 48 Round	Concrete	6.88	94.85		\$ 190	\$ 190	Install Inflow Dish
2019	W	B	B	SSMHT0008306	9579 COUNTY RD. 327	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	1	Std 48 Round	Concrete	10.9			\$ -	\$ -	Monitor in CMOM
2020	W	C	C	SSMHT0008307	9745 COUNTY RD. 327	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	6.18	86.06		\$ 400	\$ -	Monitor in CMOM
2021	W	C	C	SSMHT0008308	300 BLK. COUNTY RD. 328 W.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	6.84	94.35	2	\$ 2,642	\$ -	Monitor in CMOM
2022	W	C	C	SSMHT0008309	501 COUNTY RD. 328 W.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	6.22	86.56	2	\$ 2,424	\$ -	Monitor in CMOM
2023	W	C	C	SSMHT0008310	817 COUNTY RD. 328 W.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	9.18	123.74	2	\$ 3,465	\$ -	Monitor in CMOM
2024	W	C	C	SSMHT0008311	1108 COUNTY RD. 328 W.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	14.22	187.04		\$ 400	\$ -	Monitor in CMOM
2025	W	C	C	SSMHT0008312	1507 COUNTY RD. 328 W.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	14.62	192.07	2	\$ 5,378	\$ -	Monitor in CMOM
2026	W	C	C	SSMHT0008313	1500 BLK. COUNTY RD. 328 W.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	7.52	102.89	2	\$ 2,881	\$ -	Monitor in CMOM
2027	W	C	C	SSMHT0008314	13378 HWY 64 W.	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	5	Std 48 Round	Concrete	12.24	162.17		\$ 1,500	\$ -	Monitor in CMOM
2028	W	D	C	SSMHT0008321	13378 HWY 64 W.	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	8	Std 48 Round	Concrete	9.06	122.23		\$ 650	\$ 650	Realign and Seal Casting
2029	W	C	C	SSMHT0008322	13378 HWY 64 W.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	8	Std 48 Round	Concrete	16.66	217.69	2	\$ 6,095	\$ -	Monitor in CMOM
2030	W	A	A	SSMHT0008323	13378 HWY 64 W.	Solid		No	None	Trees/Woods	Unpaved	Above Grade	3	Std 48 Round	Concrete	12.94			\$ -	\$ -	Monitor in CMOM
2031	W	C	C	SSMHT0008324	NO NUMBER HWY 64	Solid		No	None	Trees/Woods	Unpaved	Above Grade	2	Std 48 Round	Concrete	7.79	106.28	2	\$ 2,976	\$ -	Monitor in CMOM
2032	W	C	C	SSMHT0008325	NO NUMBER HWY 64	Solid		No	None	Trees/Woods	Unpaved	Above Grade	17	Std 48 Round	Concrete	16.21	212.04	2	\$ 6,577	\$ -	Monitor in CMOM
2033	W	C	C	SSMHT0008326	400 BLK. E. NE LOOP 323	Solid		Yes	None	Field	Unpaved	Above Grade	17	Std 48 Round	Concrete	6.74	93.09		\$ 1,040	\$ -	Monitor in CMOM
2034	W	D	C	SSMHT0008327	400 BLK. E. NE LOOP 323	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	8	Std 48 Round	Concrete	12.20	161.67		\$ 1,690	\$ 1,690	Realign and Seal Casting
2035	W	D	C	SSMHT0008328	400 BLK. E. NE LOOP 323	Solid		Yes	Severe	Drainage Ditch	Unpaved	Above Grade	10	Std 48 Round	Concrete	8.36	113.44	2	\$ 3,816	\$ 3,816	Seal Coat Manhole
2036	W	D	C	SSMHT0008329	427 E. NE LOOP 323	Solid		Yes	None	Road Shoulder	Unpaved	Below Grade	8	Std 48 Round	Concrete	7.56	103.39	2	\$ 4,135	\$ 4,135	Seal Coat Manhole
2037	W	D	C	SSMHT0008330	427 E. NE LOOP 323	Solid		Yes	Moderate	Drainage Ditch	Unpaved	Above Grade	7	Std 48 Round	Concrete	5.22	74.00	2	\$ 2,712	\$ 2,712	Seal Coat Manhole
2038	W	C	C	SSMHT0008331	800 BLK. E. NE LOOP 323	Solid		Yes	Light	Drainage Ditch	Unpaved	Above Grade	2	Std 48 Round	Concrete	8.40	113.94		\$ 400	\$ -	Monitor in CMOM
2039	W	C	C	SSMHT0008332	400 BLK. E. NE LOOP 323	Solid		Yes	Moderate	Drainage Ditch	Unpaved	Above Grade	2	Std 48 Round	Concrete	7.48	102.39	2	\$ 2,867	\$ -	Monitor in CMOM
2040	W	D	C	SSMHT0008333	400 BLK. E. NE LOOP 323	Solid		Yes	Moderate	Drainage Ditch	Unpaved	Above Grade	3	Std 48 Round	Concrete	9.32	125.50	2	\$ 4,154	\$ 4,154	Seal Coat Manhole
2041	W	C	C	SSMHT0008334	400 BLK. E. NE LOOP 323	Solid		Yes	None	Road Shoulder	Unpaved	Above Grade	6	Std 48 Round	Concrete	9.88	132.53	2	\$ 3,711	\$ -	Monitor in CMOM
2042	W	C	C	SSMHT0008335	751 E. NE LOOP 323	Solid		Yes	None	Road Shoulder	Unpaved	Above Grade	4	Std 48 Round	Concrete	8.86	119.72	2	\$ 3,352	\$ -	Monitor in CMOM
2043	W	D	C	SSMHT0008336	817 E. NE LOOP 323	Solid		Yes	Light	Road Shoulder	Unpaved	Above Grade	8	Std 48 Round	Concrete	12.54	165.94	2	\$ 5,936	\$ 5,936	Seal Coat Manhole
2044	W	D	C	SSMHT0008337	817 E. NE LOOP 323	Solid		Yes	None	Road Shoulder	Unpaved	Above Grade	4	Std 48 Round	Concrete	13.84	182.27	2	\$ 5,744	\$ 5,744	Seal Coat Manhole
2045	W	C	C	SSMHT0008338	851 E. NE LOOP 323	Solid		Yes	None	Road Shoulder	Unpaved	Above Grade	7	Std 48 Round	Concrete	16.06	210.15		\$ 640	\$ -	Monitor in CMOM
2046	W	C	C	SSMHT0008339	800 BLK. E. NE LOOP 323	Solid		Yes	Light	Road Shoulder	Unpaved	Above Grade	8	Std 48 Round	Concrete	11.16	148.61	2	\$ 4,801	\$ -	Monitor in CMOM
2047	W	D	C	SSMHT0008340	6357 REYNOLDS RD.	Solid		No	Moderate	Road Shoulder	Unpaved	Below Grade	4	Std 48 Round	Concrete	6.82	94.10		\$ 1,190	\$ 1,190	Raise Casting
2048	W	D	C	SSMHT0008388	400 BLK. E. NE LOOP 323	Solid		No	Moderate	Field	Unpaved	Above Grade	7	Std 48 Round	Concrete	9.76	131.03		\$ 840	\$ 840	Realign and Seal Casting
2049	W	C	C	SSMHT0008389	400 BLK. E. NE LOOP 323	Solid		No	None	Road Shoulder	Unpaved	Above Grade	38	Std 48 Round	Concrete	7.28	99.88	2	\$ 2,797	\$ -	Monitor in CMOM
2050	W	D	C	SSMHT0008390	1300 BLK. COUNTY RD. 326 W.	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	6	Std 48 Round	Concrete	9.50	127.76		\$ 650	\$ 650	Realign and Seal Casting
2051	W	D	C	SSMHT0008391	1300 BLK. COUNTY RD. 326 W.	Solid				Field	Unpaved	At Grade							\$ 150	\$ 150	Install Inflow Dish
2052	W	D	C	SSMHT0008392	1300 BLK. COUNTY RD. 326 W.	Solid		No	Moderate	Trees/Woods	Unpaved	Above Grade	12	Std 48 Round	Concrete	6.78	93.60		\$ 840	\$ 840	Realign and Seal Casting
2053	W	D	C	SSMHT0008393	1300 BLK. COUNTY RD. 326 W.	Solid		No	Moderate	Trees/Woods	Unpaved	Above Grade	13	Std 48 Round	Concrete	7.36	100.88		\$ 1,240	\$ 1,240	Realign and Seal Casting
2054	W	D	C	SSMHT0008394	1300 BLK. COUNTY RD. 326 W.	Solid		No	Moderate	Field	Unpaved	Above Grade	11	Std 48 Round	Concrete	6.84	94.35	2	\$ 3,482	\$ 3,482	Seal Coat Manhole
2055	W	D	C	SSMHT0008395	1300 BLK. COUNTY RD. 326 W.	Solid		No	Moderate	Trees/Woods	Unpaved	Above Grade	6	Std 48 Round	Concrete	5.06	71.99		\$ 840	\$ 840	Realign and Seal Casting
2056	W	D	C	SSMHT0008397	1294 COUNTY RD. 3180	Solid				Trees/Woods	Unpaved	Above Grade	2						\$ 150	\$ 150	Install Inflow Dish
2057	W	D	C	SSMHT0008409	14114 HWY 64	Solid		No	None	Yard	Unpaved	Above Grade	16	Std 48 Round	Concrete	15.15	198.72	2	\$ 5,564	\$ 5,564	Seal Coat Manhole



Manhole Remediation Plan

Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A – Very Good Condition
- B – Good Condition
- C – Fair Condition
- D – Poor Condition
- E – Very Poor Condition

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
2058	W	C	C	SSMHT0008409A	14114 HWY 64	Solid		No	None	Trees/Woods	Unpaved	Above Grade	20	Std 48 Round	Concrete	11.25	149.74	2	\$ 4,193	\$ -	Monitor in CMOM
2059	W	C	C	SSMHT0008410	14024 HWY 64	Solid		No	None	Trees/Woods	Unpaved	Above Grade	21	Std 48 Round	Concrete	11.24	149.61	2	\$ 4,189	\$ -	Monitor in CMOM
2060	W	D	C	SSMHT0008411	14024 HWY 64	Solid		No	None	Trees/Woods	Unpaved	Above Grade	20	Std 48 Round	Concrete	8.16	110.93	2	\$ 3,106	\$ 3,106	Seal Coat Manhole
2061	W	B	B	SSMHT0008412	14024 HWY 64	Solid		No	None	Trees/Woods	Unpaved	Above Grade	22	Std 48 Round	Sealed Concrete	8.16			\$ -	\$ -	Monitor in CMOM
2062	W	A	A	SSMHT0008413	14024 HWY 64	Solid		No	None	Trees/Woods	Unpaved	Above Grade	31	Std 48 Round	Concrete	16.24			\$ -	\$ -	Monitor in CMOM
2063	W	C	C	SSMHT0008414	14024 HWY 64	Bolted		No	None	Trees/Woods	Unpaved	Above Grade	22	Std 48 Round	Concrete	11.34	150.87	2	\$ 4,224	\$ -	Monitor in CMOM
2064	W	D	C	SSMHT0008415	14024 HWY 64	Bolted	NONE	No	None	Trees/Woods	Unpaved	Above Grade	34	Std 48 Round	Concrete	7.39	101.26		\$ 640	\$ 640	Repair Pipe Seal
2065	W	C	C	SSMHT0008416	14024 HWY 64	Bolted		No	None	Yard	Unpaved	Above Grade	17	Std 48 Round	Concrete	13.14	173.48	2	\$ 4,857	\$ -	Monitor in CMOM
2066	W	D	C	SSMHT0008417	791 SPENCER LN.	Bolted		No	None	Trees/Woods	Unpaved	Above Grade	22	Std 48 Round	Concrete	8.22	111.68	2	\$ 3,127	\$ 3,127	Seal Coat Manhole
2067	W	A	A	SSMHT0008418	791 SPENCER LN.	Bolted		No	None	Trees/Woods	Unpaved	Above Grade	30	Std 48 Round	Concrete	7.32			\$ -	\$ -	Monitor in CMOM
2068	W	A	A	SSMHT0008419	791 SPENCER LN.	Bolted		No	None	Trees/Woods	Unpaved	Above Grade	21	Std 48 Round	Concrete	7.2			\$ -	\$ -	Monitor in CMOM
2069	W	C	C	SSMHT0008420	791 SPENCER LN.	Bolted		No	None	Trees/Woods	Unpaved	Above Grade	54	Std 48 Round	Concrete	16.24	212.41	2	\$ 5,948	\$ -	Monitor in CMOM
2070	W	D	C	SSMHT0008421	NONE WELLINGTON PL BLVD	Bolted		No	None	Trees/Woods	Unpaved	Above Grade	9	Std 48 Round	Concrete	12.29	162.80	2	\$ 5,628	\$ 5,628	Seal Coat Manhole
2071	W	C	C	SSMHT0008422	791 SPENCER LN	Bolted		No	None	Trees/Woods	Unpaved	Above Grade	19	Std 48 Round	Concrete	8.12	110.43	2	\$ 3,092	\$ -	Monitor in CMOM
2072	W	A	A	SSMHT0008423	791 SPENCER LN.	Bolted		No	None	Trees/Woods	Unpaved	Above Grade	32	Std 48 Round	Concrete	6.36			\$ -	\$ -	Monitor in CMOM
2073	W	A	A	SSMHT0008424	14191 HWY 64 W.	Solid		No	None	Field	Unpaved	Above Grade	45	Std 48 Round	Concrete	12.1			\$ -	\$ -	Monitor in CMOM
2074	W	D	C	SSMHT0008489	NO NUMBER HWY 64	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	20	Std 48 Round	Concrete	10.21	136.68		\$ 1,210	\$ 1,210	Repair Pipe Seal
2075	W	D	C	SSMHT0008490	NO NUMBER HWY 64	Solid		No	None	Other	Unpaved	Above Grade	44	Std 48 Round	Concrete	11.90	157.90	2	\$ 4,421	\$ 4,421	Seal Coat Manhole
2076	W	D	C	SSMHT0008491	NO NUMBER HWY 64	Solid		No	None	Trees/Woods	Unpaved	Above Grade	27	Std 48 Round	Concrete	15.01	196.97	2	\$ 6,155	\$ 6,155	Seal Coat Manhole
2077	W	C	C	SSMHT0008492	NO NUMBER HWY 64	Solid		No	None	Trees/Woods	Unpaved	Above Grade	81	Std 48 Round	Concrete	16.24	212.41	2	\$ 5,948	\$ -	Monitor in CMOM
2078	W	D	C	SSMHT0008493	NO NUMBER WELLINGTON PL BLVD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	9	Std 48 Round	Concrete	14.80	194.33	2	\$ 5,941	\$ 5,941	Seal Coat Manhole
2079	W	C	C	SSMHT0008494	NO NUMBER WELLINGTON PL BLVD	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	4	Std 48 Round	Concrete	22.33	288.90	2	\$ 9,229	\$ -	Monitor in CMOM
2080	W	C	C	SSMHT0008495	NO NUMBER WELLINGTON PL BLVD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	6	Std 48 Round	Concrete	22.27	288.15	2	\$ 8,068	\$ -	Monitor in CMOM
2081	W	C	C	SSMHT0008533	12342 HWY. 64	Solid		No	None	Trees/Woods	Unpaved	Above Grade	36	Std 48 Round	Concrete	9.68	130.02	2	\$ 3,641	\$ -	Monitor in CMOM
2082	W	D	C	SSMHT0008534	12342 HWY. 64	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	49	Std 48 Round	Concrete	10.66	142.33	2	\$ 3,985	\$ 3,985	Seal Coat Manhole
2083	W	C	C	SSMHT0008535	NO NUMBER CR 47	Solid		No	None	Trees/Woods	Unpaved	Above Grade	37	Std 48 Round	Concrete	8.67	117.34	2	\$ 3,925	\$ -	Monitor in CMOM
2084	W	D	C	SSMHT0008536	NO NUMBER CR 47	Solid		No	None	Trees/Woods	Unpaved	Above Grade	12	Std 48 Round	Concrete	10.39	138.94	2	\$ 4,530	\$ 4,530	Seal Coat Manhole
2085	W	D	C	SSMHT0008537	NO NUMBER CR 47	Solid		No	None	Trees/Woods	Unpaved	Above Grade	18	Std 48 Round	Concrete	10.28	137.56	2	\$ 4,492	\$ 4,492	Seal Coat Manhole
2086	W	C	C	SSMHT0008538	NO NUMBER CR 47	Solid		No	None	Trees/Woods	Unpaved	Above Grade	45	Std 48 Round	Concrete	10.42	139.32	2	\$ 3,901	\$ -	Monitor in CMOM
2087	W	C	C	SSMHT0008539	NO NUMBER CR 47	Solid		No	None	Trees/Woods	Unpaved	Above Grade	25	Std 48 Round	Concrete	9.85	132.16	2	\$ 4,340	\$ -	Monitor in CMOM
2088	W	D	C	SSMHT0008540	NO NUMBER CR 47	Solid		No	None	Trees/Woods	Unpaved	Above Grade	20	Std 48 Round	Concrete	9.39	126.38	2	\$ 4,749	\$ 4,749	Seal Coat Manhole
2089	W	C	C	SSMHT0008541	NO NUMBER CR 47	Solid		No	None	Trees/Woods	Unpaved	Above Grade	16	Std 48 Round	Sealed Concrete	9.58	128.76	2	\$ 3,605	\$ -	Monitor in CMOM
2090	W	D	C	SSMHT0008542	NO NUMBER CR 47	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	22	Std 48 Round	Concrete	13.63	179.63		\$ 650	\$ 650	Realign and Seal Casting
2091	W	D	C	SSMHT0008543	NO NUMBER CR 47	Solid		No	None	Trees/Woods	Unpaved	Above Grade	29	Std 48 Round	Concrete	13.30	175.49		\$ 1,050	\$ 1,050	Realign and Seal Casting
2092	W	D	C	SSMHT0008544	NO NUMBER CR 47	Vented	2	No	None	Field	Unpaved	Above Grade	40	Std 48 Round	Concrete	15.52	203.37		\$ 1,550	\$ 1,550	Realign and Seal Casting
2093	W	D	C	SSMHT0008545	NO NUMBER CR 47	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	32	Std 48 Round	Concrete	9.40	126.50	2	\$ 4,192	\$ 4,192	Seal Coat Manhole
2094	W	C	C	SSMHT0008546	NO NUMBER CR 47	Solid		No	None	Trees/Woods	Unpaved	Above Grade	21	Std 48 Round	Concrete	11.95	158.53	2	\$ 4,439	\$ -	Monitor in CMOM
2095	W	D	C	SSMHT0008547	NO NUMBER CR 47	Solid		No	None	Trees/Woods	Unpaved	Above Grade	19	Std 48 Round	Concrete	10.10	135.30	2	\$ 3,788	\$ 3,788	Seal Coat Manhole
2096	W	C	C	SSMHT0008557	NO NUMBER CR 47	Solid		No	None	Trees/Woods	Unpaved	Above Grade	21	Std 48 Round	Concrete	14.54	191.06	2	\$ 5,350	\$ -	Monitor in CMOM
2097	W	D	C	SSMHT0008558	NO NUMBER CR 47	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	32	Std 48 Round	Concrete	16.16	211.41	2	\$ 6,569	\$ 6,569	Seal Coat Manhole
2098	W	D	C	SSMHT0008559	NO NUMBER CR 47	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	22	Std 48 Round	Concrete	13.49	177.87	2	\$ 6,200	\$ 6,200	Seal Coat Manhole
2099	W	D	C	SSMHT0008560	NO NUMBER CR 47	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	16	Std 48 Round	Concrete	12.14	160.92		\$ 650	\$ 650	Realign and Seal Casting
2100	W	D	C	SSMHT0008561	NO NUMBER CR 47	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	12	Std 48 Round	Concrete	13.19	174.11		\$ 650	\$ 650	Realign and Seal Casting
2101	W	D	C	SSMHT0008562	NO NUMBER CR 47	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	30	Std 48 Round	Concrete	9.34	125.75		\$ 1,050	\$ 1,050	Realign and Seal Casting
2102	W	D	C	SSMHT0008563	NO NUMBER CR 47	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	16	Std 48 Round	Concrete	9.52	128.01		\$ 1,050	\$ 1,050	Realign and Seal Casting
2103	W	D	C	SSMHT0008564	NO NUMBER CR 47	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	18	Std 48 Round	Concrete	8.28	112.44	2	\$ 3,798	\$ 3,798	Seal Coat Manhole
2104	W	D	C	SSMHT0008565	NO NUMBER CR 47	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	36	Std 48 Round	Concrete	8.25	112.06		\$ 650	\$ 650	Realign and Seal Casting
2105	W	D	C	SSMHT0008566	NO NUMBER CR 47	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	40	Std 48 Round	Concrete	11.11	147.98	2	\$ 5,363	\$ 5,363	Seal Coat Manhole
2106	W	C	C	SSMHT0008567	NO NUMBER CR 1148	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	29	Std 48 Round	Concrete	9.52	128.01	2	\$ 4,154	\$ -	Monitor in CMOM
2107	W	D	C	SSMHT0008568	NO NUMBER CR 1148	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	28	Std 48 Round	Concrete	8.09	110.05		\$ 650	\$ 650	Realign and Seal Casting
2108	W	D	C	SSMHT0008569	NO NUMBER CR 1148	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	41	Std 48 Round	Concrete	9.38	126.25	2	\$ 4,755	\$ 4,755	Seal Coat Manhole
2109	W	D	C	SSMHT0008570	NO NUMBER CR 47	Solid		No	None	Trees/Woods	Unpaved	Above Grade	40	Std 48 Round	Concrete	16.42	214.68	2	\$ 6,651	\$ 6,651	Seal Coat Manhole



Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A – Very Good Condition
- B – Good Condition
- C – Fair Condition
- D – Poor Condition
- E – Very Poor Condition

Manhole Remediation Plan

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
2110	W	D	C	SSMHT0008571	NO NUMBER CR 47	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	17	Std 48 Round	Concrete	7.28	99.88		\$ 1,050	\$ 1,050	Realign and Seal Casting
2111	W	D	C	SSMHT0008572	NO NUMBER CR 47	Solid		No	None	Trees/Woods	Unpaved	Above Grade	30	Std 48 Round	Concrete	12.85	169.84	2	\$ 5,325	\$ 5,325	Seal Coat Manhole
2112	W	A	A	SSMHT0008573	400 BLK. E. NE LOOP 323	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	3	Std 48 Round	Concrete	4.38			\$ -	\$ -	Monitor in CMOM
2113	W	B	B	SSMHT0008574	6504 COUNTY RD. 35	Solid		No	None	Trees/Woods	Unpaved	Above Grade	19	Std 48 Round	Concrete	4.36			\$ -	\$ -	Monitor in CMOM
2114	W	C	C	SSMHT0008575	6504 COUNTY RD. 35	Solid		No	None	Trees/Woods	Unpaved	Above Grade	19	Std 48 Round	Concrete	4.40	63.70		\$ 400	\$ -	Monitor in CMOM
2115	W	D	C	SSMHT0008576	6504 COUNTY RD. 35	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	4	Std 48 Round	Concrete	6.54	90.58		\$ 650	\$ 650	Realign and Seal Casting
2116	W	D	C	SSMHT0008577	6466 COUNTY RD. 35	Solid		No	Severe	Drainage Ditch	Unpaved	Above Grade	3	Std 48 Round	Concrete	6.42	89.08		\$ 840	\$ 840	Realign and Seal Casting
2117	W	D	C	SSMHT0008578	6220 COUNTY RD. 35	Solid		No	Severe	Road Shoulder	Unpaved	Above Grade	2	Std 48 Round	Concrete	16.54	216.18	2	\$ 6,243	\$ 6,243	Seal Coat Manhole
2118	W	C	C	SSMHT0008579	6466 COUNTY RD. 35	Solid		No	None	Trees/Woods	Unpaved	Above Grade	36	Std 48 Round	Concrete	9.38	126.25	2	\$ 3,535	\$ -	Monitor in CMOM
2119	W	B	B	SSMHT0008580	6220 COUNTY RD. 35	Solid		No	Moderate	Drainage Ditch	Unpaved	Above Grade	22	Std 48 Round	Concrete	14.46			\$ -	\$ -	Monitor in CMOM
2120	W	D	C	SSMHT0008581	6220 COUNTY RD. 35	Solid		No	Moderate	Trees/Woods	Unpaved	Above Grade	19	Std 48 Round	Concrete	8.06	109.67	2	\$ 3,901	\$ 3,901	Seal Coat Manhole
2121	W	C	C	SSMHT0008582	1379 COUNTY RD. 3171	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	7	Std 48 Round	Concrete	6.52	90.33	2	\$ 2,529	\$ -	Monitor in CMOM
2122	W	C	C	SSMHT0008583	1379 COUNTY RD. 3171	Bolted		No	None	Trees/Woods	Unpaved	Above Grade	28	Std 48 Round	Concrete	10.02	134.29	2	\$ 3,760	\$ -	Monitor in CMOM
2123	W	C	C	SSMHT0008584	1379 COUNTY RD. 3171	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	12	Std 48 Round	Concrete	6.32	87.82	2	\$ 2,459	\$ -	Monitor in CMOM
2124	W	C	C	SSMHT0008585	1379 COUNTY RD. 3171	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	18	Std 48 Round	Concrete	7.32	100.38		\$ 1,040	\$ -	Monitor in CMOM
2125	W	D	C	SSMHT0008586	1379 COUNTY RD. 3171	Solid		No	Moderate	Trees/Woods	Unpaved	Above Grade	6	Std 48 Round	Concrete	7.52	102.89		\$ 840	\$ 840	Realign and Seal Casting
2126	W	C	C	SSMHT0008587	1379 COUNTY RD. 3171	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	11	Std 48 Round	Concrete	10.38	138.81	2	\$ 3,887	\$ -	Monitor in CMOM
2127	W	D	C	SSMHT0008588	1379 COUNTY RD. 3171	Solid		No	Moderate	Trees/Woods	Unpaved	Above Grade	7	Std 48 Round	Concrete	12.54	165.94		\$ 840	\$ 840	Realign and Seal Casting
2128	W	C	C	SSMHT0008589	1379 COUNTY RD. 3171	Solid		No	None	Trees/Woods	Unpaved	Above Grade	30	Std 48 Round	Concrete	7.52	102.89	2	\$ 2,881	\$ -	Monitor in CMOM
2129	W	C	C	SSMHT0008590	4992 FM 14	Solid		No	None	Trees/Woods	Unpaved	Above Grade	33	Std 60 Round	Concrete	12.60	207.15	2	\$ 5,800	\$ -	Monitor in CMOM
2130	W	D	C	SSMHT0008591	4084 CR 427	Solid		No	None	Trees/Woods	Unpaved	Above Grade	23	Std 48 Round	Concrete	8.91	120.35	2	\$ 3,370	\$ 3,370	Seal Coat Manhole
2131	W	D	C	SSMHT0008592	4084 CR 427	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	21	Std 48 Round	Concrete	10.04	134.54	2	\$ 5,487	\$ 5,487	Seal Coat Manhole
2132	W	D	C	SSMHT0008593	4084 CR 427	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	7	Std 48 Round	Concrete	6.22	86.56	2	\$ 3,634	\$ 3,634	Seal Coat Manhole
2133	W	C	C	SSMHT0008594	4084 CR 427	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	2	Std 48 Round	Concrete	6.58	91.08	2	\$ 3,120	\$ -	Monitor in CMOM
2134	W	D	C	SSMHT0008952	2523 E COMMERCE ST	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	7.19	98.75		\$ 1,350	\$ 1,350	Realign and Seal Casting
2135	W	C	C	SSMHT0008953	2523 E COMMERCE ST	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	4.85	69.36		\$ 1,350	\$ -	Monitor in CMOM
2136	W	C	C	SSMHT0008954	2523 E COMMERCE ST	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	4	Std 48 Round	Concrete	6.11	85.18		\$ 650	\$ -	Monitor in CMOM
2137	W	C	C	SSMHT0008955	432 NNE LOOP 323	Solid		No	Moderate	Road Shoulder	Unpaved	At Grade		Std 48 Round	Sealed Concrete	8.03	109.30		\$ 840	\$ -	Monitor in CMOM
2138	W	D	C	SSMHT0008956	412 NNE LOOP 323	Solid		No	Light	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	7.03	96.74		\$ 1,050	\$ 1,050	Realign and Seal Casting
2139	W	D	C	SSMHT0008957	412 NNE LOOP 323	Solid		No	Light	Yard	Unpaved	Below Grade	1	Std 48 Round	Concrete	6.12	85.31		\$ 590	\$ 590	Repair Chimney
2140	W	C	C	SSMHT0008973	9500 BLK COUNTY RD 273	Bolted		No	None	Trees/Woods	Unpaved	Above Grade	8	Std 48 Round	Concrete	7.36	100.88	2	\$ 2,825	\$ -	Monitor in CMOM
2141	W	D	C	SSMHT0008976	9500 BLK COUNTY ROAD 273	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	7	Std 48 Round	Concrete	7.27	99.75		\$ 1,290	\$ 1,290	Realign and Seal Casting
2142	W	C	C	SSMHT0008977	9500 BLK COUNTY ROAD 273	Bolted		No	None	Trees/Woods	Unpaved	Above Grade	7	Std 48 Round	Concrete	10.97	146.22	2	\$ 4,094	\$ -	Monitor in CMOM
2143	W	C	C	SSMHT0008978	9500 BLK COUNTY ROAD 273	Bolted		No	None	Creek	Unpaved	Above Grade	3	Std 48 Round	Concrete	8.43	114.32		\$ 500	\$ -	Monitor in CMOM
2144	W	A	A	SSMHT0008979	9500 BLK COUNTY ROAD 273	Bolted		No	None	Road Shoulder	Unpaved	Above Grade	16	Std 48 Round	Concrete	7.68			\$ -	\$ -	Monitor in CMOM
2145	W	D	C	SSMHT0008985	2811 PUBLIC RD	Solid		No	None	Road Shoulder	Unpaved	Above Grade	3	Std 48 Round	Brick	7.05	96.99		\$ 1,040	\$ 1,040	Repair Pipe Seal
2146	W	B	B	SSMHT0008986	2715 W. NW LOOP 323	Solid		Yes	None	Driveway	Paved - Asphalt	At Grade		Std 48 Round	Brick	6.52			\$ -	\$ -	Monitor in CMOM
2147	W	C	C	SSMHT0008987	3300 HWY 69	Solid		No	Light	Driveway	Paved - Concrete	At Grade		Std 48 Round	Brick	5.74	80.53		\$ 400	\$ -	Monitor in CMOM
2148	W	D	C	SSMHT0008988	3303 HWY 69	Solid		Yes	None	Road Shoulder	Unpaved	Above Grade	5	Std 48 Round	Brick	5.58	78.52		\$ 650	\$ 650	Realign and Seal Casting
2149	W	A	A	SSMHT0008989	3303 HWY 69	Vented	2	No	None	Parking Lot	Paved - Asphalt	At Grade		Std 48 Round	Brick	10.78			\$ -	\$ -	Monitor in CMOM
2150	W	D	C	SSMHT0008996	3708 HWY	Vented	4	No	Light	Drainage Ditch	Unpaved	Above Grade	21	Std 60 Round	Brick	13.49	221.12	2	\$ 6,831	\$ 6,831	Seal Coat Manhole
2151	W	D	C	SSMHT0009011	2811 PUBLIC RD	Solid		No	Moderate	Trees/Woods	Unpaved	Above Grade	5	Std 48 Round	Brick	5.17	73.38		\$ 840	\$ 840	Realign and Seal Casting
2152	W	C	C	SSMHT0009039	NO NUMBER FM 206	Solid		No	None	Trees/Woods	Unpaved	Above Grade	33	Std 48 Round	Brick	12.18	161.42	2	\$ 5,090	\$ -	Monitor in CMOM
2153	W	C	C	SSMHT0009040	NO NUMBER FM 206	Vented	2	Yes	Light	Trees/Woods	Unpaved	Above Grade	35	Std 48 Round	Brick	9.29	125.12	2	\$ 3,503	\$ -	Monitor in CMOM
2154	W	D	C	SSMHT0009041	NO NUMBER FM 206	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	16	Std 48 Round	Brick	7.63	104.27	2	\$ 2,920	\$ 2,920	Seal Coat Manhole
2155	W	C	C	SSMHT0009042	10800 BLK SRUR 164	Vented	2	No	Light	Trees/Woods	Unpaved	Above Grade	6	Std 48 Round	Brick	5.00	71.24		\$ 400	\$ -	Monitor in CMOM
2156	W	D	C	SSMHT0009043	10800 BLK SRUR 164	Vented	2	No	Light	Trees/Woods	Unpaved	Above Grade	7	Std 48 Round	Brick	7.12	97.87	2	\$ 2,740	\$ 2,740	Seal Coat Manhole
2157	W	D	C	SSMHT0009044	10800 BLK SRUR 164	Vented	2	No	Light	Trees/Woods	Unpaved	Above Grade	3	Std 48 Round	Brick	6.35	88.20	2	\$ 2,469	\$ 2,469	Seal Coat Manhole
2158	W	C	C	SSMHT0009045	10800 BLK SRUR 164	Solid		No	None	Trees/Woods	Unpaved	Above Grade	31	Std 48 Round	Concrete	8.16	110.93	2	\$ 3,746	\$ -	Monitor in CMOM
2159	W	D	C	SSMHT0009046	NO NUMBER FM 206	Vented	2	Yes	None	Trees/Woods	Unpaved	Above Grade	32	Std 48 Round	Brick	6.52	90.33	2	\$ 2,529	\$ 2,529	Seal Coat Manhole
2160	W	C	C	SSMHT0009047	10800 BLK SRUR 164	Solid		No	None	Trees/Woods	Unpaved	Above Grade	44	Std 48 Round	Concrete	10.96	146.10	2	\$ 4,091	\$ -	Monitor in CMOM
2161	W	D	C	SSMHT0009048	10800 BLK SRUR 164	Solid		No	None	Field	Unpaved	Above Grade	16	Std 48 Round	Concrete	10.08	135.04	2	\$ 4,421	\$ 4,421	Seal Coat Manhole



Manhole Remediation Plan

Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

A – Very Good Condition
 B – Good Condition
 C – Fair Condition
 D – Poor Condition
 E – Very Poor Condition

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
2162	W	C	C	SSMHT0009049	10800 BLK SRUR 164	Bolted		No	None	Field	Unpaved	Above Grade	40	Std 48 Round	Concrete	8.03	109.30	2	\$ 3,700	\$ -	Monitor in CMOM
2163	W	C	C	SSMHT0009050	3800 BLK. BRIARWOOD RD.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	12.22	161.92	2	\$ 5,754	\$ -	Monitor in CMOM
2164	W	C	C	SSMHT0009051	2700 BLK. WEXFORD DR.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	9.92	133.04	2	\$ 3,725	\$ -	Monitor in CMOM
2165	W	C	C	SSMHT0009052	2700 BLK. WEXFORD DR.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	8.90	120.22	2	\$ 3,366	\$ -	Monitor in CMOM
2166	W	C	C	SSMHT0009053	2700 BLK. WEXFORD DR.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	9.58	128.76		\$ 400	\$ -	Monitor in CMOM
2167	W	C	C	SSMHT0009054	2700 BLK. WEXFORD DR.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	8.58	116.20	2	\$ 3,254	\$ -	Monitor in CMOM
2168	W	C	C	SSMHT0009055	2700 BLK. WEXFORD DR.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	11.36	151.12		\$ 400	\$ -	Monitor in CMOM
2169	W	D	C	SSMHT0009056	2700 BLK. WEXFORD DR.	Solid				Street	Paved - Concrete	At Grade							\$ 150	\$ 150	Install Inflow Dish
2170	W	A	A	SSMHT0009057	3800 BLK. BRIARWOOD DR.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	7	Std 48 Round	Concrete	11.26			\$ -	\$ -	Monitor in CMOM
2171	W	A	A	SSMHT0009058	3800 BLK. BRIARWOOD DR.	Solid		No	Moderate	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	12.94			\$ -	\$ -	Monitor in CMOM
2172	W	D	C	SSMHT0009060	3800 BLK. BRIARWOOD DR.	Solid		No	None	Field	Unpaved	Above Grade	6	Std 48 Round	Concrete	8.26	112.19		\$ 650	\$ 650	Realign and Seal Casting
2173	W	D	C	SSMHT0009061	3100 BLK CASCADES CT	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	9.60	129.02		\$ 2,110	\$ 2,110	Repair Pipe Seal
2174	W	D	C	SSMHT0009062	3800 BLK. BRIARWOOD RD.	Solid		No	Moderate	Field	Unpaved	Above Grade	6	Std 48 Round	Concrete	13.34	175.99		\$ 2,240	\$ 2,240	Replace Ring and Cover
2175	W	C	C	SSMHT0009062A	3100 BLK CASCADES CT	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	10.96	146.10		\$ 640	\$ -	Monitor in CMOM
2176	W	D	C	SSMHT0009063	3100 BLK CASCADES CT	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Sealed Concrete	9.26	124.75		\$ 1,610	\$ 1,610	Repair Pipe Seal
2177	W	C	C	SSMHT0009064	3100 BLK CASCADES CT	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	14.34	188.55		\$ 400	\$ -	Monitor in CMOM
2178	W	C	C	SSMHT0009065	3151 CASCADES CT	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	14.18	186.54	2	\$ 5,223	\$ -	Monitor in CMOM
2179	W	D	C	SSMHT0009066	3155 CASCADES CT	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	13.58	179.00		\$ 1,610	\$ 1,610	Repair Pipe Seal
2180	W	C	C	SSMHT0009067	3309 CASCADES CT	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	12.32	163.18		\$ 400	\$ -	Monitor in CMOM
2181	W	D	C	SSMHT0009068	3351 CASCADES CT	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	6.61	91.46		\$ 1,540	\$ 1,540	Repair Pipe Seal
2182	W	D	C	SSMHT0009070	3369 CASCADES BLVD.	Solid		No	None	Road Shoulder	Unpaved	Above Grade	5	Std 48 Round	Concrete	12.94	170.97		\$ 1,050	\$ 1,050	Realign and Seal Casting
2183	W	D	C	SSMHT0009071	3369 CASCADES BLVD.	Solid		No	None	Parking Lot	Paved - Concrete	At Grade		Std 48 Round	Concrete	11.88	157.65	2	\$ 4,414	\$ 4,414	Seal Coat Manhole
2184	W	D	C	SSMHT0009072	3369 CASCADES BLVD.	Solid		No	Light	Parking Lot	Paved - Concrete	At Grade		Std 48 Round	Concrete	11.50	152.88	2	\$ 5,501	\$ 5,501	Seal Coat Manhole
2185	W	D	C	SSMHT0009074	3369 CASCADES BLVD.	Solid		No	Light	Driveway	Paved - Concrete	At Grade		Std 48 Round	Concrete	12.42	164.44	2	\$ 5,244	\$ 5,244	Seal Coat Manhole
2186	W	A	A	SSMHT0009075	3363 CASCADES BLVD.	Solid		No	None	Yard	Unpaved	Above Grade	13	Std 48 Round	Concrete	5.02			\$ -	\$ -	Monitor in CMOM
2187	W	A	A	SSMHT0009076	3363 CASCADES BLVD.	Solid		No	Light	Yard	Unpaved	Above Grade	3	Std 48 Round	Concrete	8.22			\$ -	\$ -	Monitor in CMOM
2188	W	D	C	SSMHT0009077	3369 CASCADES BLVD.	Solid		No	Moderate	Yard	Unpaved	Below Grade	6	Std 48 Round	Concrete	9.38	126.25	2	\$ 4,965	\$ 4,965	Seal Coat Manhole
2189	W	D	C	SSMHT0009078	3800 BLK. BRIARWOOD DR.	Solid				Road Shoulder	Unpaved	Below Grade	4						\$ 150	\$ 150	Install Inflow Dish
2190	W	D	C	SSMHT0009079	2811 PUBLIC RD	Vented	2	No	Moderate	Yard	Unpaved	Above Grade	47	Std 48 Round	Brick	9.08	122.48		\$ 590	\$ 590	Repair Chimney
2191	W	D	C	SSMHT0009080	4312 CASCADES BLVD.	Solid		No	Light	Yard	Unpaved	Above Grade	1	Std 48 Round	Concrete	10.72	143.08	2	\$ 4,006	\$ 4,006	Seal Coat Manhole
2192	W	A	A	SSMHT0009081	4312 CASCADES BLVD.	Solid		No	Moderate	Yard	Unpaved	Below Grade	2	Std 48 Round	Concrete	14.62			\$ -	\$ -	Monitor in CMOM
2193	W	C	C	SSMHT0009082	4331 MARK HAYS CT.	Solid		No	Light	Sidewalk	Paved - Concrete	At Grade		Std 48 Round	Concrete	19.42	252.36	2	\$ 7,066	\$ -	Monitor in CMOM
2194	W	C	C	SSMHT0009083	4331 MARK HAYS CT.	Solid		No	Light	Yard	Unpaved	Above Grade	1	Std 48 Round	Concrete	7.20	98.87		\$ 650	\$ -	Monitor in CMOM
2195	W	A	A	SSMHT0009084	4341 HOGAN DR.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	9.2			\$ -	\$ -	Monitor in CMOM
2196	W	C	C	SSMHT0009089	4353 MARK HAYS CT.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	11.42	151.88	2	\$ 4,253	\$ -	Monitor in CMOM
2197	W	A	A	SSMHT0009090	4300 BLK. CASCADE BLVD.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	11.24			\$ -	\$ -	Monitor in CMOM
2198	W	C	C	SSMHT0009091	4379 CASCADE BLVD.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	7.88	107.41	2	\$ 3,008	\$ -	Monitor in CMOM
2199	W	C	C	SSMHT0009092	4379 CASCADE BLVD.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	7.50	102.64	2	\$ 2,874	\$ -	Monitor in CMOM
2200	W	C	C	SSMHT0009093	4367 HOGAN DR.	Solid		No	Light	Yard	Unpaved	At Grade		Std 48 Round	Concrete	8.62	116.71		\$ 400	\$ -	Monitor in CMOM
2201	W	D	C	SSMHT0009096	4400 BLK CASCADES BLVD	Solid		No	Moderate	Yard	Unpaved	Above Grade	2	Std 48 Round	Sealed Concrete	6.13	85.43		\$ 1,240	\$ 1,240	Realign and Seal Casting
2202	W	D	C	SSMHT0009097	4398 HOGAN DR	Solid		No	Moderate	Yard	Unpaved	Above Grade	6	Std 48 Round	Concrete	15.24	199.85		\$ 840	\$ 840	Realign and Seal Casting
2203	W	C	C	SSMHT0009098	2811 PUBLIC RD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	8	Std 48 Round	Brick	6.58	91.08		\$ 400	\$ -	Monitor in CMOM
2204	W	C	C	SSMHT0009165	3216 HWY 69 S.	Solid		No	Moderate	Gutter	Paved - Asphalt	At Grade		Std 48 Round	Brick	5.71	80.16		\$ 590	\$ -	Monitor in CMOM
2205	W	C	C	SSMHT0009166	3000 BLK. HWY 69 S.	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	6.73	92.97		\$ 400	\$ -	Monitor in CMOM
2206	W	C	C	SSMHT0009173	3000 BLK. HWY 69 S.	Solid		No	Light	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	9.33	125.62	2	\$ 3,517	\$ -	Monitor in CMOM
2207	W	A	A	SSMHT0009214	3000 BLK. HWY 69 S.	Solid		Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	9.3			\$ -	\$ -	Monitor in CMOM
2208	W	B	B	SSMHT0009216	3016 W. GENTRY PKWY.	Solid		No	None	Driveway	Paved - Concrete	Above Grade	4	Std 48 Round	Concrete	15.22			\$ -	\$ -	Monitor in CMOM
2209	W	C	C	SSMHT0009217	3216 HWY 69 S.	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	5.98	83.55		\$ 400	\$ -	Monitor in CMOM
2210	W	C	C	SSMHT0009218	3000 BLK. HWY 69 S.	Vented	2	Yes	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	6.73	92.97		\$ 400	\$ -	Monitor in CMOM
2211	W	C	C	SSMHT0009263	701 W 32ND ST	Solid		No	None	Field	Unpaved	Above Grade	1	Std 48 Round	Concrete	6.14	85.56		\$ 850	\$ -	Monitor in CMOM
2212	W	D	C	SSMHT0009266	NO NUMBER CR 46	Solid		No	Light	Field	Unpaved	Above Grade	9	Vault 10 FOOT ROUND	Concrete	11.74	922.00	2	\$ 26,386	\$ 26,386	Seal Coat Manhole
2213	W	D	C	SSMHT0009279	2811 PUBLIC RD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	40	Std 60 Round	Brick	10.72	177.63	2	\$ 6,264	\$ 6,264	Seal Coat Manhole



Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less ½ inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A – Very Good Condition
- B – Good Condition
- C – Fair Condition
- D – Poor Condition
- E – Very Poor Condition

Manhole Remediation Plan

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
2214	W	D	C	SSMHT0009283	NONE W NW LOOP 323	Solid		No	None	Trees/Woods	Unpaved	Above Grade	18	Std 60 Round	Brick	15.59	254.09	2	\$ 7,755	\$ 7,755	Seal Coat Manhole
2215	W	D	C	SSMHT0009284	NONE W NW LOOP 323	Solid		No	None	Trees/Woods	Unpaved	Above Grade	10	Std 60 Round	Brick	14.13	231.17	2	\$ 7,043	\$ 7,043	Seal Coat Manhole
2216	W	A	A	SSMHT0009451	214 E ERWIN ST	Vented	1	No	Moderate	Street	Paved - Brick	At Grade		CO 6"	Other	5.26			\$ -	\$ -	Monitor in CMOM
2217	W	D	C	SSMHT0010322	214 E ERWIN ST	Vented	1	No	Moderate	Street	Paved - Brick	At Grade		CO 6"	Other	3.75			\$ 265	\$ 265	Install Inflow Dish
2218	W	D	C	SSMHT0011724	110 HOUSTON ST	Solid		No	Light	Yard	Unpaved	Below Grade	1						\$ 150	\$ 150	Install Inflow Dish
2219	W	C	C	SSMHT0012403	804 W. ERWIN ST.	Solid		No	Light	Street	Brick	At Grade		Std 48 Round	Brick	13.94	183.53	2	\$ 5,139	\$ -	Monitor in CMOM
2220	W	C	C	SSMHT0012763	311 W. ERWIN ST.	Solid		No	Light	Street	Brick	At Grade		30	Brick	3.45	30.40	2	\$ 851	\$ -	Monitor in CMOM
2221	W	C	C	SSMHT0012786	115 W. FERGUSON ST.	Solid		No	Light	Alley	Paved - Concrete	At Grade		Std 48 Round	Brick	14.46	190.06	2	\$ 5,322	\$ -	Monitor in CMOM
2222	W	C	C	SSMHT0012832	2430 S. BOLDT AVE.	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	7.62	104.15		\$ 400	\$ -	Monitor in CMOM
2223	W	D	C	SSMHT0012857	515 E ERWIN ST	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	6.04	84.30		\$ 400	\$ 400	Repair Chimney
2224	W	A	A	SSMHT0012859	1500 BLK GISH LN	Vented	2	No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	10.73			\$ -	\$ -	Monitor in CMOM
2225	W	D	C	SSMHT0012882	432 S. CONFEDERATE AVE.					Street	Paved - Asphalt								\$ 150	\$ 150	Install Inflow Dish
2226	W	C	C	SSMHT0012933	716 E LOCUST ST	Solid		No	Moderate	Gutter	Paved - Concrete	At Grade		Std 48 Round	Brick	5.08	72.24	2	\$ 2,213	\$ -	Monitor in CMOM
2227	W	C	C	SSMHT0012935	906 E LOCUST ST	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	21	Std 48 Round	Concrete	12.03	159.54	2	\$ 4,467	\$ -	Monitor in CMOM
2228	W	C	C	SSMHT0012936	729 N FLEISHL AVE	Solid		No	Light	Yard	Unpaved	At Grade		Std 60 Round	Concrete	11.94	196.79		\$ 650	\$ -	Monitor in CMOM
2229	W	C	C	SSMHT0012950	109 N BECKHAM AVE	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	15.19	199.23	2	\$ 5,578	\$ -	Monitor in CMOM
2230	W	D	C	SSMHT0012978	2121 OLD GLADEWATER HWY.	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	15	Std 48 Round	Concrete	13.46	177.50	2	\$ 5,610	\$ 5,610	Seal Coat Manhole
2231	W	D	C	SSMHT0012979	2121 OLD GLADEWATER HWY.	Solid		No	Severe	Creek	Unpaved	Above Grade	31	Std 60 Round	Concrete	12.81	210.45	2	\$ 7,293	\$ 7,293	Seal Coat Manhole
2232	W	D	C	SSMHT0012980	2121 OLD GLADEWATER HWY.	Solid		No	Severe	Creek	Unpaved	Above Grade	37	Std 48 Round	Brick	7.16	98.37	2	\$ 3,584	\$ 3,584	Seal Coat Manhole
2233	W	C	C	SSMHT0012982	2121 OLD GLADEWATER HWY.	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	31	Std 48 Round	Brick	8.28	112.44		\$ 400	\$ -	Monitor in CMOM
2234	W	C	C	SSMHT0012983	2121 HWY. 271	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	4	Std 60 Round	Concrete	13.60	222.85	2	\$ 8,100	\$ -	Monitor in CMOM
2235	W	D	C	SSMHT0012984	2121 HWY. 271	Vented	2	No	Light	Trees/Woods	Unpaved	Above Grade	23	Std 60 Round	Brick	14.34	234.47	2	\$ 7,415	\$ 7,415	Seal Coat Manhole
2236	W	C	C	SSMHT0012986	4992 FM 14	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	13	Std 48 Round	Brick	9.72	130.52	2	\$ 3,655	\$ -	Monitor in CMOM
2237	W	D	C	SSMHT0012987	4992 FM 14	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	23	Std 60 Round	Brick	9.62	160.36	2	\$ 4,490	\$ 4,490	Seal Coat Manhole
2238	W	C	C	SSMHT0012988	4992 FM 14	Solid		No	None	Trees/Woods	Unpaved	Above Grade	38	Std 60 Round	Brick	10.56	175.12	2	\$ 4,903	\$ -	Monitor in CMOM
2239	W	C	C	SSMHT0012995	813 WHITESIDE RD.	Vented	2	No	Light	Trees/Woods	Unpaved	Above Grade	8	Std 48 Round	Concrete	7.85	107.04		\$ 850	\$ -	Monitor in CMOM
2240	W	C	C	SSMHT0012997	2596 STATE HWY 110	Solid		No	Light	Yard	Unpaved	Above Grade	1	Std 48 Round	Brick	14.28	187.80	2	\$ 6,468	\$ -	Monitor in CMOM
2241	W	D	C	SSMHT0013004	1500 BLK N NW LOOP 323	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	46	Std 48 Round	Brick	10.25	137.18		\$ 650	\$ 650	Realign and Seal Casting
2242	W	D	C	SSMHT0013005	1500 BLK N NW LOOP 323	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	27	Std 48 Round	Sealed Brick	10.42	139.32		\$ 650	\$ 650	Realign and Seal Casting
2243	W	D	C	SSMHT0013042	3400 BLK W ERWIN ST	Solid		No	None	Trees/Woods	Unpaved	Above Grade	36	Std 48 Round	Concrete	18.35	238.92		\$ 650	\$ 650	Realign and Seal Casting
2244	W	C	C	SSMHT0013043	2804 GARDEN VALLEY RD.	Vented	2	No	Light	Trees/Woods	Unpaved	Above Grade	35	Std 48 Round	Brick	8.04	109.42	2	\$ 3,064	\$ -	Monitor in CMOM
2245	W	D	C	SSMHT0013047	2926 GARDEN VALLEY RD	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	28	Std 48 Round	Brick	9.56	128.51	2	\$ 4,248	\$ 4,248	Seal Coat Manhole
2246	W	D	C	SSMHT0013048	2926 GARDEN VALLEY RD	Solid		No	None	Trees/Woods	Unpaved	Above Grade	16	Std 48 Round	Brick	8.56	115.95	2	\$ 3,897	\$ 3,897	Seal Coat Manhole
2247	W	D	C	SSMHT0013050	NO NUMBER CR 427	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	29	Std 48 Round	Concrete	4.55	65.59		\$ 1,050	\$ 1,050	Realign and Seal Casting
2248	W	D	C	SSMHT0013051	4461 CR 427	Vented	2	No	Moderate	Yard	Unpaved	Below Grade	1	Std 48 Round	Concrete	12.65	167.32		\$ 590	\$ 590	Repair Chimney
2249	W	C	C	SSMHT0013052	4445 CR 427	Vented	2	No	Moderate	Yard	Unpaved	At Grade		Std 48 Round	Concrete	6.65	91.96	2	\$ 3,405	\$ -	Monitor in CMOM
2250	W	D	C	SSMHT0013053	4423 CR 427	Solid		No	Light	Yard	Unpaved	Below Grade	1	Std 48 Round	Brick	6.84	94.35		\$ 1,160	\$ 1,160	Repair Bench
2251	W	D	C	SSMHT0013056	425 McMURREY DR	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	17	Std 48 Round	Brick	4.34	62.95		\$ 650	\$ 650	Realign and Seal Casting
2252	W	C	C	SSMHT0013063	2605 E 5TH ST	Vented	2	No	Light	Parking Lot	Paved - Asphalt	At Grade		Std 48 Round	Brick	17.29	225.60		\$ 400	\$ -	Monitor in CMOM
2253	W	C	C	SSMHT0013066	214 JOSEPH DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	27	Std 48 Round	Concrete	16.85	220.08	2	\$ 6,802	\$ -	Monitor in CMOM
2254	W	A	A	SSMHT0013067	12342 HWY. 64	Solid		Yes	None	Trees/Woods	Unpaved	Above Grade	57	Std 48 Round	Concrete	10.64			\$ -	\$ -	Monitor in CMOM
2255	W	D	C	SSMHT0013068	1903 E FRONT ST	Solid		No	Light	Yard	Unpaved	Above Grade	6	Std 60 Round	Concrete	9.81	163.35		\$ 650	\$ 650	Realign and Seal Casting
2256	W	D	C	SSMHT0013072	800 BLK S PORTER AVE	Vented	2	No	Moderate	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	8.34	113.19		\$ 590	\$ 590	Repair Chimney
2257	W	C	C	SSMHT0013074	425 McMURREY DR	Vented	2	No	Light	Yard	Unpaved	Above Grade	3	Std 48 Round	Concrete	12.19	161.55	2	\$ 4,523	\$ -	Monitor in CMOM
2258	W	C	C	SSMHT0013075	425 McMURREY DR	Solid		No	None	Yard	Unpaved	Above Grade	8	Std 48 Round	Concrete	12.55	166.07	2	\$ 5,500	\$ -	Monitor in CMOM
2259	W	D	C	SSMHT0013076	425 McMURREY DR	Solid		No	Light	Yard	Unpaved	Above Grade	7	Std 60 Round	Concrete	17.08	277.49		\$ 650	\$ 650	Realign and Seal Casting
2260	W	C	C	SSMHT0013077	1702 E COMMERCE ST	Solid		No	Light	Road Shoulder	Unpaved	Above Grade	5	Std 60 Round	Concrete	15.19	247.81	2	\$ 7,589	\$ -	Monitor in CMOM
2261	W	D	C	SSMHT0013079	435 McMURREY DR	Solid		No	None	Trees/Woods	Unpaved	Above Grade	28	Std 60 Round	Concrete	17.73	287.69	2	\$ 9,275	\$ 9,275	Seal Coat Manhole
2262	W	C	C	SSMHT0013081	2500 MCDONALD RD.	Solid		No	None	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	7.05	96.99		\$ 970	\$ -	Monitor in CMOM
2263	W	C	C	SSMHT0013083	2300 BLK. S. BOLDT AVE.	Solid		No	Light	Road Shoulder	Unpaved	At Grade		Std 48 Round	Concrete	4.10	59.94		\$ 400	\$ -	Monitor in CMOM
2264	W	D	C	SSMHT0013091	425 McMURREY DR	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	27	Std 48 Round	Brick	8.44			\$ 1,050	\$ 1,050	Realign and Seal Casting
2265	W	D	C	SSMHT0013150	500 BLK. N. BROADWAY AVE.	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	28	Std 48 Round	Concrete	12.02	159.41		\$ 650	\$ 650	Realign and Seal Casting



Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
Rehab 1010: Install Inflow Protector Insert \$225 ea
Rehab 1012: Install Cleanout Cap
Rehab 1015: Seal Chimney \$500 ea
Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
Rehab 1024: Replace Manhole Lid \$150 ea.
Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
Rehab 4340: Repair Mainline Cleanout \$500 ea.
Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
Rehab 1205: Repair Chimney and Coat
Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A - Very Good Condition
B - Good Condition
C - Fair Condition
D - Poor Condition
E - Very Poor Condition

Manhole Remediation Plan

Table with 22 columns: Item No., Basin, Condition Rating, Condition Rating Post Rehab., Manhole ID, Address, Lid Type, Vent Holes, Inflow Dish, Inflow Potential, Surface Cover, Surface Material, Manhole Grade, Grade-Inches, Manhole Diameter, MH Material, Rim to Invert, Sq.Ft., Coating Condition, Construction Total, Recommended Remedial Measures, Remedial Measure.



Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
Rehab 1010: Install Inflow Protector Insert \$225 ea
Rehab 1012: Install Cleanout Cap
Rehab 1015: Seal Chimney \$500 ea
Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
Rehab 1024: Replace Manhole Lid \$150 ea.
Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
Rehab 4340: Repair Mainline Cleanout \$500 ea.
Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
Rehab 1205: Repair Chimney and Coat
Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less 1/2 inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A - Very Good Condition
B - Good Condition
C - Fair Condition
D - Poor Condition
E - Very Poor Condition

Manhole Remediation Plan

Table with 22 columns: Item No., Basin, Condition Rating, Condition Rating Post Rehab., Manhole ID, Address, Lid Type, Vent Holes, Inflow Dish, Inflow Potential, Surface Cover, Surface Material, Manhole Grade, Grade-Inches, Manhole Diameter, MH Material, Rim to Invert, Sq.Ft., Coating Condition, Construction Total, Recommended Remedial Measures, Remedial Measure. Rows 2314-2362.



Manhole Remediation Plan

Rehabilitation Methods Legend:

Rehab 1001: Raise Casting to or Above Grade \$600 ea
 Rehab 1010: Install Inflow Protector Insert \$225 ea
 Rehab 1012: Install Cleanout Cap
 Rehab 1015: Seal Chimney \$500 ea
 Rehab 1020: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Unpaved \$650 ea.
 Rehab 1021: Realign and Seal Manhole Ring & Cover (Rebuild Chimney as required)-Paved \$950 ea.
 Rehab 1022: Replace Manhole Ring & Cover (Rebuild Chimney as required) - Unpaved \$850 ea.
 Rehab 1023: Replace Manhole Ring & Cover (Rebuild Chimney as required) -Paved \$1220 ea.
 Rehab 1024: Replace Manhole Lid \$150 ea.
 Rehab 1028: Replace Cleanout Casting/Cover (Paved) \$500 ea.
 Rehab 4340: Repair Mainline Cleanout \$500 ea.
 Rehab 1040: Clean Manhole, Remove any Roots, Repair as Needed and Coat <6 feet
 Rehab 1041: Clean Manhole, Remove any Roots, Repair as Needed and Coat >6 feet
 Condition 1 - \$20/sq.ft. Condition 2 - \$28/ sq.ft. Condition 3 - \$40/ sq.ft.
 Rehab 1043: Repair/Plug Manhole Lift Holes \$500 ea. Manhole (all holes)
 Rehab 1047: Stop I/I, Clean, Repair Pipe Seal and/or Injection Grouting \$640/Manhole (all pipes)
 Rehab 1110: Reconstruct 4 ft. diameter Manhole Bench & Invert \$570 ea.
 Rehab 1205: Repair Chimney and Coat
 Condition 1 - \$250 Condition 2 - \$400

Coating Condition 1

Condition Standard: An Existing structure that is considered structurally sound with no indications of settlement, cracking or other signs of fatigue. Infiltration or exfiltration through pre-cast joints, mortar joints, or around the pipe connections may exist and structure may be experiencing mild corrosion or deterioration.

Coating Condition 2

Condition Standard: An existing structure that is exhibiting early signs of structural fatigue evidenced by minor cracks, loss of mortar or brick, moderate to moderately severe corrosion (less ½ inch in depth), minor cross sectional distortion (less than 10 %); however, it is currently supporting the soil and live load.

Coating Condition 3

Condition Standard: An existing structure that is exhibiting severe structural fatigue and collapse is eminent. Conditions indicating this degree of deterioration may include very

Asset Condition Rating

- A – Very Good Condition
- B – Good Condition
- C – Fair Condition
- D – Poor Condition
- E – Very Poor Condition

Item No.	Basin	Condition Rating	Condition Rating Post Rehab.	Manhole ID	Address	Lid Type	Vent Holes	Inflow Dish	Inflow Potential	Surface Cover	Surface Material	Manhole Grade	Grade-Inches	Manhole Diameter	MH Material	Rim to Invert	Sq.Ft.	Coating Condition	Construction Total	Recommended Remedial Measures	Remedial Measure
2363	W	D	C	SSMHT0013615	1011 S BLACKWELL AVE	Solid		No	Light	Parking Lot	Paved - Asphalt	At Grade		Std 48 Round	Concrete	16.62	217.19	2	\$ 6,271	\$ 6,271	Seal Coat Manhole
2364	W	D	C	SSMHT0013621	1011 S BLACKWELL AVE	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	18.17	236.66	2	\$ 7,266	\$ 7,266	Seal Coat Manhole
2365	W	D	C	SSMHT0013622	1124 S BLACKWELL AVE	Vented	2	No	Moderate	Street	Paved - Asphalt	At Grade		Std 48 Round	Brick	8.66	117.21		\$ 590	\$ 590	Repair Chimney
2366	W	C	C	SSMHT0013624	NO NUMBER PINECREST DR	Vented	2	No	None	Trees/Woods	Unpaved	Above Grade	24	Std 48 Round	Concrete	9.71	130.40	2	\$ 3,651	\$ -	Monitor in CMOM
2367	W	C	C	SSMHT0013625	1100 BLK E FRONT ST	Solid		Yes	None	Trees/Woods	Unpaved	Above Grade	16	Std 60 Round	Concrete	19.58	316.74		\$ 1,040	\$ -	Monitor in CMOM
2368	W	D	C	SSMHT0013626	800 BLK E DAWSON ST	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	7.28	99.88		\$ 1,350	\$ 1,350	Realign and Seal Casting
2369	W	C	C	SSMHT0013627	800 E DAWSON ST	Solid		No	Light	Street	Paved - Asphalt	At Grade		Std 48 Round	Concrete	6.05	84.43		\$ 400	\$ -	Monitor in CMOM
2370	W	B	B	SSMHT0013628	800 E DAWSON ST	Solid		No	Light	Street	Paved - Concrete	At Grade		Std 48 Round	Concrete	4.99			\$ -	\$ -	Monitor in CMOM
2371	W	C	C	SSMHT0013629	3028 TANGLEWOOD DR	Solid		No	Light	Trees/Woods	Unpaved	Above Grade	19	Std 48 Round	Brick	4.95	70.61	2	\$ 1,977	\$ -	Monitor in CMOM
																		Total	\$ 5,918,889	\$ 2,776,495	