

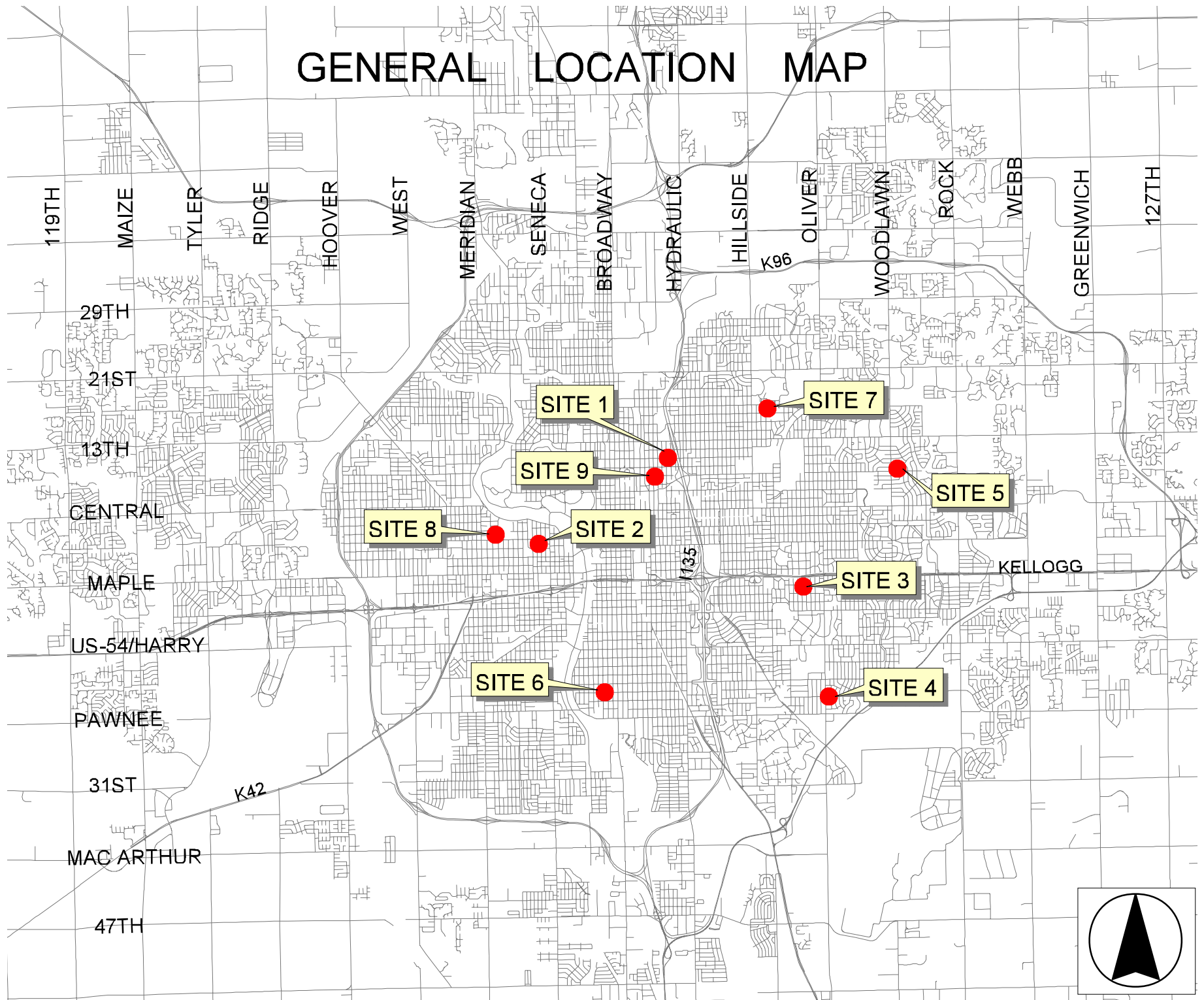
# 2003 SANITARY SEWER RECONSTRUCTION PHASE 10

**OCA # 620390 / 468-83721**  
( VARIOUS LOCATIONS )

SITE NO.	<u>GENERAL LOCATION</u>	<u>PIPE SIZE</u>	<u>UPSTREAM MANHOLE</u>	<u>DOWNSTREAM MANHOLE</u>	<u>UPSTREAM INVERT ELEVATION</u> (City Datum)	<u>DOWNSTREAM INVERT ELEVATION</u> (City Datum)	<u>LENGTH (FT.)</u>
1	In an alley between Mathewson & Cleveland, from 12th St. to 10th St.	8"	5548-143	5548-142	107.70	107.38	249
		8"	5548-142	5548-141	107.38	107.12	213
		8"	5548-140	5548-139	106.86	106.47	230
		8"	5548-139	5548-138	106.47	106.08	224
		8"	5548-138	5548-094	106.08	105.68	185
2	Alley between Exposition & Martinson, from 2nd St. to 1st St. and in First Street, east and west of Martinson	8"	5347-253	5347-250	107.19	106.48	356
		8"	5347-250	5347-247	106.48	105.90	295
		8"	5347-247	5347-225	105.90	105.39	171
		8"	5347-227	5347-225	105.73	105.39	164
3	Easement between Crestway & Belmont, from Orme to Gilbert	10"	5746-427	5746-426	152.00	150.66	671
4	Easement west of Glendale @ Kinkaid	8"	Point Repairs & Manhole Work				
5	Easement south of Oneida Street, east of Woodlawn	8"	Point Repairs & Manhole Work				
6	Alley between Main & Water Streets, north & south of Clark Street	8"	5445-311	5445-310	96.00	95.76?	228
		8"	5445-310	5445-308	95.87?	95.55	318
7	Easement between Yale & Vassar, from 17th St. N. to 16th St. N.	8"	Service Connections & Manhole Work				
8	Easement west of Athenian Street, between Caroline and Second Streets and easement north of Second Street, between Athenian and St. Clair	8"	Service Connections & Manhole Work				
9	Alley between Ohio & Wabash, from north of 9th St to south of 9th St	8"	5548-419	5548-415	109.58	109.32	259
		8"	5548-415	5548-412	109.32	109.04	286

Total linear feet = 3849

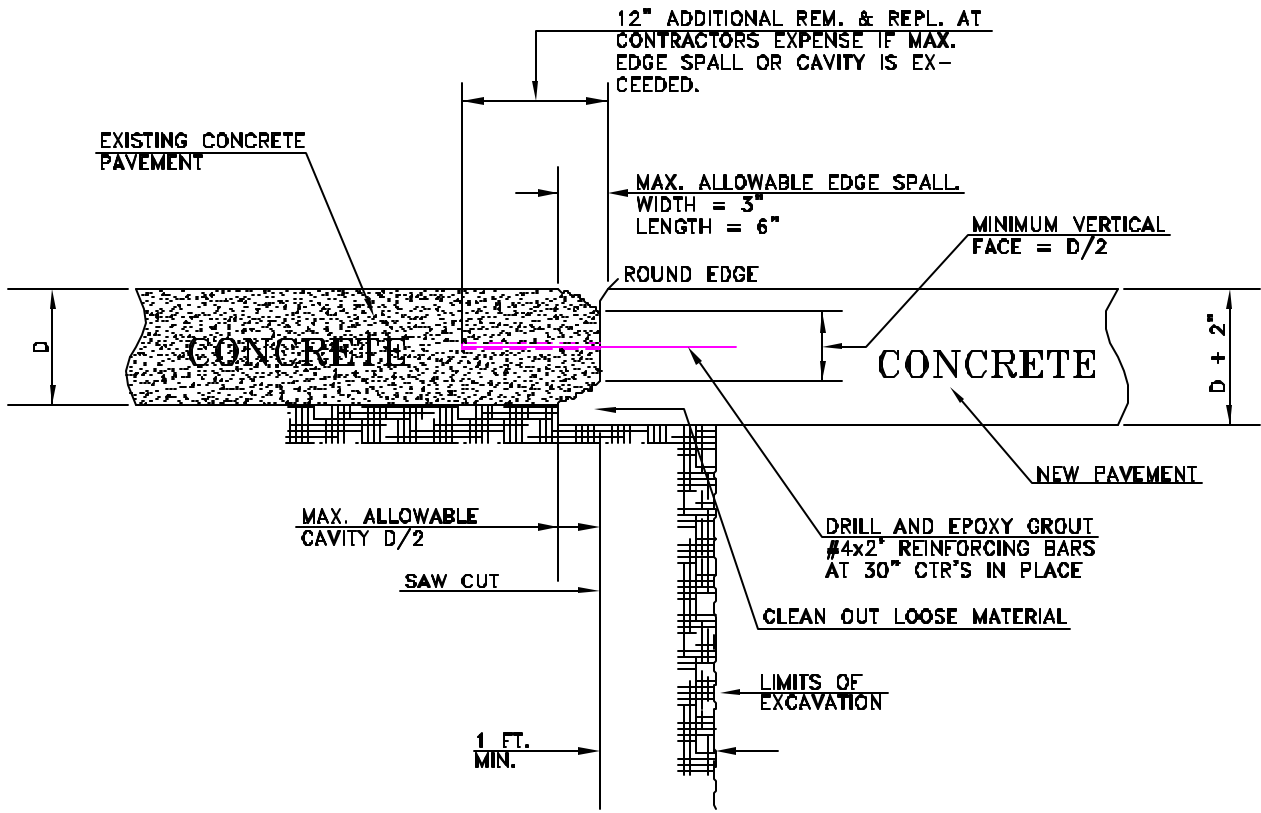
# GENERAL LOCATION MAP



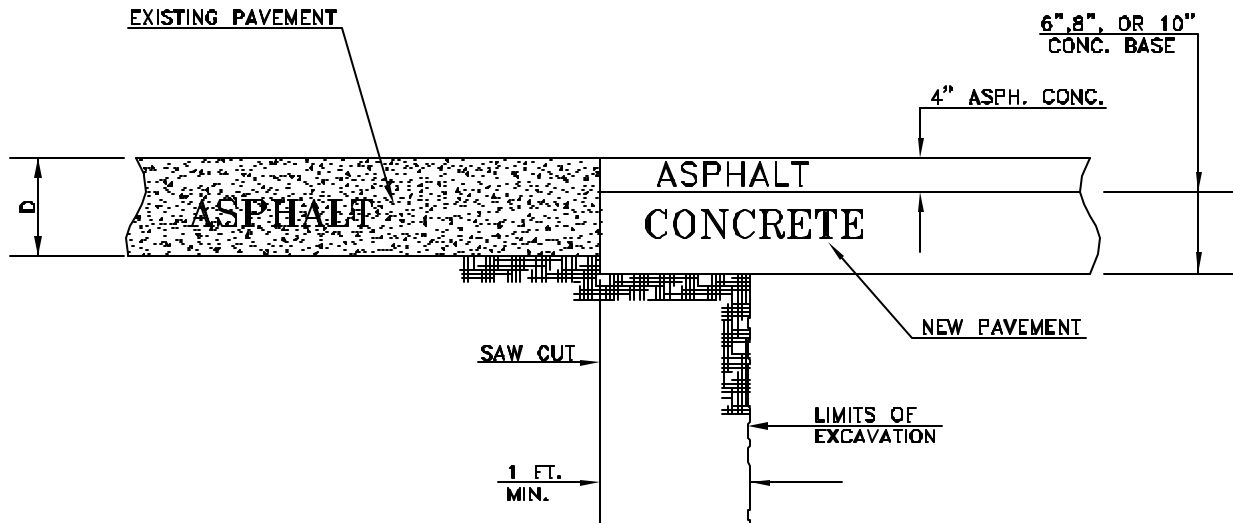
<b><u>Bid Items by Site Reference</u></b>	<b>2003 Sanitary Sewer Reconstruction, Phase 10 (Various Locations)</b>										
	<b>Site 1</b>	<b>Site 2</b>	<b>Site 3</b>	<b>Site 4</b>	<b>Site 5</b>	<b>Site 6</b>	<b>Site 7</b>	<b>Site 8</b>	<b>Site 9</b>	<b>Totals</b>	
8" Pipe Removed and Replaced	1101	986				546			545	3178	lf
10" Pipe Removed and Replaced			671							671	lf
Remove Manhole	2									2	ea
Abandon Manhole over Cured-in-Place Liner								2		2	ea
Reconstruct Shallow Manhole								1		1	ea
Reconstruct Standard Manhole		1								1	ea
Construct Standard Manhole	1		1							2	ea
Adjust Manhole to Grade						1				1	ea
Replace Manhole Frame & Cover	4	2	2	1	2	1	2	1	2	17	ea
Rework Manhole Bench & Invert	2	3	2		1	2			3	13	ea
Replace Service Connection							2	4		6	ea
Concrete Approach Removed and Replaced	35		4			15			18	72	lf
Concrete Pavement Removed and Replaced	31	71	21			35				158	lf
Asphalt Pavement Removed and Replaced		157	31						41	229	lf
Asphalt Approach Removed and Replaced		15								15	lf
Point Repair				2	2					4	ea
Soil Erosion BMPs										1	ls
Site Clearing & Restoration										1	ls

**SPECIAL NOTES FOR THIS PROJECT:**

- 1) Site 9 should be completed first. A portion of the alley is scheduled to be paved in the near future.
- 2) Site 7 cannot be completed until the pipe has been lined with cured-in-place liner "by others".
- 3) Site 8 cannot be completed until the pipe has been lined with cured-in-place liner "by others".
- 4) On Site 8, only the frame & cover need to be removed from the manholes that are to be abandoned over cured-in-place liner. Contractor shall exercise caution to avoid shock loads or point loads when filling the manhole with sand over the liner.
- 5) On Site 8, it is not clear where the connection for 323 N. Athenian is located. This will be determined by the lining contractor and the Public Works inspector can provide the information after the liner is installed.



**UTILITY CUT REPAIR  
(CONCRETE PAVEMENT REMOVAL EDGE DETAIL)**



**UTILITY CUT REPAIR  
(FULL DEPTH ASPHALT CONCRETE PATCH)**