


MEMORANDUM

TO: Michael G. Lewis, City Engineer/Director of Public Works
FROM: Brian D. Block, Traffic & Utility Technician 
DATE: September 9, 2015
RE: Claim Against the City of West Allis by Gene Wagner Plumbing, Inc. for the repair of the sanitary sewer riser connection and lateral for 1405-07 S. 57 St.

SUMMARY

Gene Wagner Plumbing Co. Inc., notify me that they were hired by the property owner to investigate and repair a sanitary lateral sewer with drainage problems at 1405-07 S. 57 St. Gene Wagner Plumbing Co. Inc. excavated and discovered that the top of the sanitary main riser was cracked and displaced. Additionally a 'Fernco' coupling ten feet to the building side of riser failed with pipe displaced at the coupling. The riser and pipe that failed along with the 'Fernco' coupling was repaired under CIP 2005-17. Gene Wagner Plumbing Co. Inc. replaced the top of riser, replaced sanitary lateral pipe and reconnected to the existing lateral. Gene Wagner Plumbing Co. Inc. backfilled and replaced the concrete pavement.

FINDINGS & OBSERVATIONS

- **Existing conditions and utilities in S. 57 St. at the address 1405-07 S. 57 St.**

The seven inch thick concrete pavement at 1405-07 S. 57 St. is a thirty-six foot width pavement in a sixty foot right of way. Both sides of the street have concrete sidewalks.

The existing City of West Allis underground utilities in S. 57 St. at the above-referenced address consists of the following:

| UTILITY | YEAR INSTALLED | LOCATION |
|-----------------------------|----------------|------------------------------|
| 6 in. cast iron water main | 1915 | 24 ft. west of east RoW line |
| 18 in. clay sanitary sewer | 1910 | 30 ft. west of east RoW line |
| 12 in. concrete storm sewer | 2000 | 26 ft. east of west RoW line |

City records indicate that the existing sanitary sewer lateral at 1405-07 S. 57 St. along with the riser and a spot sanitary relay at the riser was completed in 2005 under City Capital Improvement Project 2005-17. The 2005 sanitary spot relay was the result of a failed sanitary connection for 1404 S. 57 St. that was discovered. The repair of the riser at 1404 S. 57 St. required the repair for 1405-07 S. 57 St. due to the proximity of both connections.

- **Chronology**

Monday, 07-27-15

A representative for Gene Wagner Plumbing Co. Inc. contacted me and said they were hired by the property owner for drainage problems with their sanitary sewer.

Tuesday, 07-28-15

Gene Wagner Plumbing Co. Inc. inserted camera televising equipment into the lateral and discovered an obstruction in the lateral under the pavement of S. 57 St. An excavation permit 12020 was issued to repair the lateral.

Wednesday, 07-29-15

Gene Wagner Plumbing Co. Inc. excavated and discovered that the ninety degree PVC bend top of the riser was cracked and displaced. There was a ten foot section of PVC sanitary lateral connected to the broken top of riser bend on one end and an existing six inch clay sanitary lateral by means of a 'Fernco' coupling on the other end. The 'Fernco' coupling and PVC pipe at the coupling with the existing six inch clay pipe was displaced. Gene Wagner Plumbing Co. Inc. removed and replaced a section of one inch copper water service to facilitate the sanitary riser repair.

Gene Wagner Plumbing Co. Inc. repaired the riser section using two forty-five bends and six inch PVC pipe. Gene Wagner Plumbing Co. Inc. installed six inch PVC sanitary lateral pipe connected to the existing clay sanitary lateral with a 'Fernco' shielded coupling. Gene Wagner Plumbing Co. Inc. backfilled the trench with slurry from a ready mix truck.

Thursday, 07-30-15

Gene Wagner Plumbing Co. Inc. replaced the concrete pavement in the trench area.

CONCLUSIONS/RECOMMENDATIONS

I have concluded that the drainage problems that the property owner at 1405-07 S. 57 St experienced was due to the failed riser connection and displaced coupling between the existing six inch clay pipe and the PVC pipe from the 2005 repair.

I am recommending payment of \$ 6,413.89 to Gene Wagner Plumbing Co. Inc. which is the total amount of the Gene Wagner Plumbing Co. Inc. invoice for their work performed in repair of the lateral riser, sanitary lateral and restoration of the pavement. I reviewed the Gene Wagner Plumbing Co. Inc. invoice and found it to be accurate and reasonable.

cc (via email): Joseph Burtch
 Michael Romens