



ENGINEERING DEPARTMENT


Michael G. Lewis
Director of Public Works / City Engineer

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City Hall
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West Allis, Wisconsin 53214

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mlewis@ci.west-allis.wi.us

MEMORANDUM

TO: Michael G. Lewis, City Engineer/Director of Public Works
FROM: Brian D. Block, Traffic & Utility Technician 
DATE: April 25, 2013
RE: Claim Against the City of West Allis by Gene Wagner Plumbing Co. Inc. for the repair of sanitary lateral and main at 1570 S. 72 St.

SUMMARY

The property owner of 1570 S. 72 St hired Gene Wagner Plumbing to repair an ongoing issue they were experiencing with drainage problems with the sanitary lateral at this property. Gene Wagner Plumbing excavated down to the sanitary main and discovered a broken wye connection along with a broken section of sanitary main north of the wye. I instructed Gene Wagner Plumbing that it is necessary to connect only to a good section of lateral which was not found until under the sidewalk. The lateral pipe was found in a failed state and Gene Wagner Plumbing relayed 35 feet of 6 in. Gene Wagner Plumbing restored pavement and sidewalk.

FINDINGS & OBSERVATIONS

▪ **Existing conditions and utilities in S. 72 St. at the address 1570 S. 72 St.**

The pavement at 1570 S. 72 St. is a 40 foot wide 8 in. thick concrete pavement. The pavement is center in a 60 ft. right of way. Both sides of the street have concrete sidewalks.

The existing City of West Allis underground utilities in S. 72 St. at the above-referenced address consists of the following:

UTILITY	YEAR INSTALLED	LOCATION
6 in. cast iron water main	1910 or earlier	24 ft. west of east RoW line
10 in. clay sanitary sewer	1910 or earlier	30 ft. west of east RoW line

City records indicate that the existing sanitary sewer lateral at 1570 S. S 72 St. is a 6 in. clay pipe installed in 1910.

No records could be located for the sanitary sewer or water main placement. But this block was subdivided in 1904 and the lateral date is 1910.

- **Chronology**

Monday, March 25, 2013

Gene Wagner Plumbing obtained excavation permit number 9673 to repair the sanitary lateral at 1570 S. 72 St.

Wednesday, March 27, 2013

Gene Wagner Plumbing excavated down to the connection to the main for 1570 S. 72 St. and discovered a broken wye connection to the main. I observed that the bell section of wye had multiple cracks with small sections missing. One section of 10 in. sanitary main north of the wye was observed with multiple cracks and appeared in a flattened shape. Sections of lateral that were exposed were observed in a failed state; broken and misaligned with some sections missing

Thursday, March 28, 2013

Gene Wagner Plumbing completed a 10 in. sanitary spot relay with 6" wye and 6" sanitary lateral reconnection using SDR 35 PVC and backfilled with an aggregate slurry mix.

Friday, March 29, 2013

Gene Wagner Plumbing placed concrete pavement, carriage walk and sidewalk.

CONCLUSIONS/RECOMMENDATIONS

It is my opinion that the ongoing sewerage draining problem at 1570 S. 72 St. was first the result of a failed wye connection to the City's main section then additionally failed lateral sections.

I am recommending payment of \$9,616.66 to Gene Wagner Plumbing which is the amount of Gene Wagner Plumbing Invoice No. 79750 dated April 8, 2013 for their work performed in the sanitary spot relay and lateral reconnection. I reviewed Invoice No. 79750 and found it to be accurate and reasonable.

cc (via email): Joseph Burch
 Michael Romens



Invoice

Date	Invoice #
4/8/2013	79750

2017 South 60th Street Milwaukee, WI 53219
 (414) 541-9217 Fax: (414) 541-9486

RECEIVED

APR 12 2013

CITY OF WEST ALLIS
 ENGINEERING DEPT

Bill To
City of West Allis Engineering Department 7525 W Greenfield Ave. West Allis WI 53214 Attn: Brian Block

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Rate	Amount
	Job address: Robert Diers 1570 S. 72nd St West Allis, WI 53214		
	Repaired sanitary sewer from PVC to main. DF/AW		
	Concrete	705.90	705.90
20	Slurry per yard	65.00	1,300.00
2	10" clay x PVC Fernco	52.92	105.84
1	10 x 6 PVC wye	141.77	141.77
35	6 PVC pipe per foot	4.26	149.10
1	6 PVC St 45	19.80	19.80
1	6 PVC St 22	21.39	21.39
1	6 PVC x PVC Fernco	28.95	28.95
3	10" PVC pipe per foot	13.97	41.91
	Barricades	75.00	75.00
	Black Dirt	70.00	70.00
	Backhoe	500.00	500.00
	Dump Truck	500.00	500.00
3	Dump ticket	65.00	195.00
	Breaker	175.00	175.00
	3/8 Stone	175.00	175.00
	Plumbing permit	75.00	75.00
	Road permit	72.00	72.00
45	Labor Hours Regular	117.00	5,265.00
Total			\$9,616.66