

RESOLUTION NO. 368

A RESOLUTION APPROVING THE PLANS AND SPECIFICATIONS AND AUTHORIZING STAFF TO ADVERTISE TO RECEIVE SEALED BIDS FOR THE CONSTRUCTION OF WILSONVILLE ROAD WATERLINE EXTENSION PROJECT - ROSE LANE

WHEREAS, the City Council at their regularly scheduled meeting of November 21, 1983, at 7:30 P.M. in the Wesleyan Church, 29775 SW Town Center Loop East, did approve the memorandum titled "CAPITAL IMPROVEMENT PROJECT APPROVAL" from Larry R. Blanchard, Public Works Director. The approval of the memorandum and Capital Improvement Plan attachment included Project No. 03-55-3-84-5 - Wilsonville Road Waterline Project - Rose Lane; and

WHEREAS, the City of Wilsonville is presently involved with the construction of the Boeckman Bridge Local Improvement District No. 6 Project, hereinafter referred to as LID #6, which is approximately seventy percent (70%) completed with only final paving and bridge construction remaining to complete the project; and

WHEREAS, the installation of the above mentioned waterline project would require the cutting of new asphalt installed under

LID #6 if the waterline was not completed prior to paving of LID #6. Therefore, the Wilsonville Road Waterline Extension Project - Rose Lane, must be completed prior to preparation for paving of LID #6 sometime in March, 1984; and

WHEREAS, the Public Works Department did receive plans and specifications for review by staff to determine if the plans and specifications are in compliance with all applicable ordinances, resolutions and codes governing Public Works construction in the City of Wilsonville; and


WHEREAS, the Public Works Department acknowledges the review of the Wilsonville Road Waterline Extension Project - Rose Lane plans and specifications and a subsequent report regarding this project which is attached hereto as Exhibit 1.

NOW, THEREFORE, IT IS HEREBY RESOLVED by the City of Wilsonville that:

1. The plans and specifications for the Wilsonville Road Waterline Extension Project - Rose Lane are hereby approved for construction as stipulated in Exhibit 1 and authorized by Council.
2. Authorize staff to advertise to receive sealed bids for the Wilsonville Road Waterline Extension Project - Rose Lane.

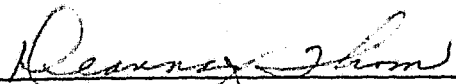
ADOPTED by the Wilsonville City Council at a regular meeting thereof this 3rd day of January, 1984,

and filed with the Wilsonville City Recorder this same day.



WILLIAM G. LOWRIE, Mayor

ATTEST:



DEANNA J. THOM, City Recorder

CITY OF WILSONVILLE

MEMO

December 29, 1983

DATE

COUNCIL MEETING 1/3/84

AGENDA CATEGORIES Legal

Business

TO: MAYOR AND CITY COUNCIL

FROM: LARRY R. BLANCHARD, PUBLIC WORKS DIRECTOR

SUBJECT: WILSONVILLE ROAD WATERLINE EXTENSION - ROSE LANE

During the preliminary review of the plans and specifications, staff identified a problem which could modify the final plans for this project. The waterline is an extension of the 12" waterline installation from I-5 east to Town Center Loop East. In order to adequately service the properties east of Boeckman Creek, south of Boeckman Road, north of the Willamette River and south of Wilsonville Road, this waterline must be extended. The installation of this waterline will also eventually tie into the main supply waterline from the newly construction Gesellschaft well.

Page two of the construction plans as attached, with the approval of the resolution, identifies the installation of the waterline for this project on the south side of Wilsonville Road. There are two primary reasons for keeping the waterline on the south side:

1. Primary users will be on the south side.
2. It is not a normal engineering practice to construct waterlines by switching the waterlines from one side of the street to the other.

In construction of the waterline on the south side of Wilsonville Road, a conflict develops at the intersection of Rose Lane and Wilsonville Road. Due to the fact that a two inch gas line exists at the south edge of Wilsonville Road, the waterline must be installed south of this point. The conflict I am referring to is with the large fir tree at this intersection. The construction of this waterline would damage the root structure significantly enough to pose an eventual danger.

Once the root structure of the tree is damaged, the tree would probably die. This situation could prompt the tree to fall, causing possible damage to homes or causing a fatality. The subject of removal of this tree has come up many times in the

past and, as you can see, the people in favor of removal of the tree have not prevailed. The issue of this large fir tree in the middle of a residential street will come before the Design Review Board with regards to safety concerns, at their January 23, 1984 meeting.

The installation of the Wilsonville Waterline Extension Project - Rose Lane, hereinafter referred to as The Project, must be completed prior to the preparation and final installation of the paving for LID #6. If this is not done, the City will have to cut the newly laid asphalt to install The Project. Any delays in the decision to construct this project could jeopardize the timely completion of The Project.

In review of this problem, staff has, consequently, come up with alternatives to this situation.

1. Install The Project as designed at a total estimated cost of \$94,760 and do nothing with the tree.
2. Install The Project as designed at the total estimated cost of \$94,760. However, have a professional tree faller remove the tree at a cost of \$450.
3. Revise the plans by crossing Wilsonville Road fifty feet west of the tree, then connect a 12 x 12 x 12 x 8 cross at the south east corner of the intersection of Wilsonville Road and Rose Lane, then run the 8" line to service Rose Lane and Montgomery Way on the east side of Rose Lane, east of the tree. Total cost increase for this modification would be approximately \$6,000. Handling of the fir tree on a specifically safety orientated basis, would be done at the Design Review Board hearing on January 23, 1984.
4. Wait until the Design Review Board has made their final decision on the removal of the tree and, if the decision is to remove the tree, remove it as part of this project. Costs for waiting to remove the tree would be approximately \$10,000. Also, the cutting of a newly paved street would damage the structural and aesthetic quality of the street section.
5. Wait until NIKE develops their project and construct a water main through their property to service Rose Lane and Montgomery Way. The additional cost for this method would be \$20,000 plus the reason mentioned in number four above.

RECOMMENDATION

1. In order to expedite this project, staff recommends that alternate number three (3) be approved by the Council. This would allow The Project to be completed prior to paving of LID #6. Any delay at this stage of The Project would set the project back 90 to 120 days.

2. The change for this project can be handled by an addendum to The Project at the time of bidding. Attached is a copy of the estimates for both alternatives number two and three.

lrb:vr

cc: Wilsonville Waterline Extension Project - Rose Lane
Attachments

ROSE LANE WATER LINE EXTENSION

Alternate I

SCHEDULE OF PRICES

Date: _____

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUAN.</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
1.	Mobilization and bond	---	1.s	Lump Sum	<u>\$10,000</u>
2.	Trench excavation and backfill				
	a) Class I	1195	1.f	<u>\$ 11.00</u>	<u>\$13,145</u>
	b) Class III	1770	1.f	<u>\$ 4.00</u>	<u>\$ 7,080</u>
3.	Foundation Stabilization	50	c.y.	<u>\$ 10.00</u>	<u>\$ 500</u>
4.	Rock Excavation	10	c.y.	<u>\$ 50.00</u>	<u>\$ 500</u>
5.	AC Pavement Replacement	345	1.f	<u>\$ 10.00</u>	<u>\$ 3,450</u>
6.	Waterline Pipe Fittings				
	a) 6" ductile iron	185	1.f	<u>\$ 8.00</u>	<u>\$ 1,480</u>
	b) 8" ductile iron	125	1.f	<u>\$ 10.00</u>	<u>\$ 1,250</u>
	c) 12" ductile iron	2660	1.f	<u>\$ 15.00</u>	<u>\$39,900</u>
	d) 6" GV	4	ea.	<u>\$ 300.00</u>	<u>\$ 1,200</u>
	e) 8" GV	1	ea.	<u>\$ 375.00</u>	<u>\$ 375</u>
	f) 12" BFV	11	ea.	<u>\$ 650.00</u>	<u>\$ 7,150</u>
	g) 12" 11¼ bend	18	ea.	<u>\$ 255.00</u>	<u>\$ 4,590</u>
	h) 8" 22½ bend	1	ea.	<u>\$ 105.00</u>	<u>\$ 105</u>
	i) Fire Hydrant assemblies	7	ea	<u>\$1300.00</u>	<u>\$ 9,100</u>
	TOTAL			\$ 99,825.00	
	25% Engineering & Contingencies				24,956.25
	TOTAL PROJECT COSTS				<u>\$ 124,781.25</u>

SCHEDULE OF PRICES

ITEM	DESCRIPTION	QUAN.	UNIT	UNIT PRICE	TOTAL PRICE
1.	Mobilization and bond	---	l.s.	Lump Sum	\$ <u>10,000</u>
2.	Trench excavation and backfill				
	a) Class I	1080	l.f.	\$ <u>11⁰⁰</u>	\$ <u>11,880</u>
	b) Class III	1770	l.f.	\$ <u>4⁰⁰</u>	\$ <u>7,080</u>
3.	Foundation stabilization	50	c.y.	\$ <u>10⁰⁰</u>	\$ <u>500</u>
4.	Rock excavation	10	c.y.	\$ <u>50⁰⁰</u>	\$ <u>500</u>
5.	AC pavement replacement	230	l.f.	\$ <u>10⁰⁰</u>	\$ <u>2,300</u>
6.	Waterline pipe fittings				
	a) 6" ductile iron	185	l.f.	\$ <u>8⁰⁰</u>	\$ <u>1,480</u>
	b) 8" ductile iron	35	l.f.	\$ <u>10⁰⁰</u>	\$ <u>350</u>
	c) 12" ductile iron	2630	l.f.	\$ <u>15⁰⁰</u>	\$ <u>39,450</u>
	d) 6" GV		ea.	\$ <u>300⁰⁰</u>	\$ <u>1,200</u>
	e) 8" GV		ea.	\$ <u>375⁰⁰</u>	\$ <u>375</u>
	f) 12" BFV		ea.	\$ <u>650⁰⁰</u>	\$ <u>5,850</u>
	g) 12" 11 1/4 degree bend	18	ea.	\$ <u>255⁰⁰</u>	\$ <u>4,590</u>
	h) 8" 22 1/2 degree bend	1	ea.	\$ <u>105⁰⁰</u>	\$ <u>105</u>
	i) Fire hydrant assemblies complete	7	ea.	\$ <u>1300⁰⁰</u>	\$ <u>9,100</u>
TOTAL					\$ <u>94,760.00</u>

SAMPLE ONLY
NOT TO BE USED FOR BIDDING

EXTRA REQUIRED TO ROUTE AROUND TREE

90 LF OF 8" D.I. = \$900

30 LF OF 12" D.I. = \$450

115 LF OF AC REPLACEMENT = 1,150

2 - 12" BFV = 1,300

115' " Class I = 3,800

1,265

\$ 5,065

OPTIONS

1. LEAVE TREE AND PLANS AS IS AND SEVERELY DAMAGE THE TREE
2. REMOVE TREE AND LEAVE PLANS AS IS
3. RELOCATE W/L AND ADD TO CONSTRUCTION COSTS