

**COMMITTEE/BOARD:** Board of Public Works  
**DATE OF MEETING:** January 5, 2016 (Tuesday)  
**PLACE OF MEETING:** City Hall – 415 Main Street (Common Council Chambers)  
**TIME OF MEETING:** 6:30 P.M.

**PURPOSE OF MEETING**

1. Call to Order and roll call.
2. Approval of minutes from the previous meeting.
3. Public Input: (limited to 3 minutes/individual)

**Consideration and possible action on the following items:**

4. 2016 Capital Improvements Projects
  - A. **6:30 PM Public Hearing** on 2016 Capital Improvements Projects
  - B. Consideration, possible recommendation and possible action in regards to the 2016 Capital Improvements Projects
5. Review and consideration of Green Coulee High Pressure Zone Water Study
6. Review and consideration of sidewalk replacement policy in relation to City owned boulevard trees
7. Review and consideration of application for connection to State Trunk Highway system including supporting **Resolution 2-2016**

PLEASE TAKE FURTHER NOTICE that members of the Common Council of the City of Onalaska who do not serve on the Board may attend this meeting to gather information about a subject over which they have decision making responsibility.

Therefore, further notice is hereby given that the above meeting may constitute a meeting of the Common Council and is hereby noticed as such, even though it is not contemplated that the Common Council will take any formal action at this meeting.

**Notices Mailed To:**

* Mayor Joe Chilsen	*Jarrod Holter, City Engineer
**Ald. Jim Binash	*Fred Buehler, Financial Services Director/Treasurer
Ald. Jim Olson	
* Ald. Jim Biálecki - Chair	
* Ald Barry Blomquist – Vice Chair	
Ald. Harvey Bertrand	
Ald. Bob Muth	
City Attorney            Dept Heads	
La Crosse Tribune    Charter Com.	
Onalaska Holmen Courier Life	
WIZM WKTY WLXR WKBH	
WLSU WKBT WXOW	Onalaska Public Library

\*Board Members \*\* Alternate Member

Date Notices Mailed and Posted: 12-29-15

In compliance with the Americans with Disabilities Act of 1990, the City of Onalaska will provide reasonable accommodations to qualified individuals with a disability to ensure equal access to public meetings provided notification is given to the City Clerk within seventy-two (72) hours prior to the public meeting and that the requested accommodation does not create an undue hardship for the City.

8. Review and consideration of Change Order #2 for Well #9 Reconstruction Project
9. Review and consideration of Utility Billing area door modifications at Public Works Facility
10. Review and consideration of intersection control at Troy Street and Oak Avenue North
11. Review and consideration of purchasing used Street Department asphalt hot box
12. Review and consideration of La Crosse Community Foundation grant for emerald ash borer tree replacement
13. Review and consideration of Omni Center Arena One Ice System Replacement (Bid Package 1) Change Order #1
14. Pay Estimates: Strand Associates, Short Elliot Hendrickson Inc., Olympic Builders, Ayres Associates, Minnesota Ice LLC, State of Wisconsin Department of Transportation and any other contractor/developer.
15. Adjournment

# **STAFF REVIEW SUMMARY**

## **CITY OF ONALASKA BOARD OF PUBLIC WORKS**

January 5, 2016

**Agenda Item:** #4

**Project/Item Name:** 2016 Capital Improvements Budget

**Location:** Citywide

**Requested Action:** Public hearing on proposed budget

**Staff Report/Description:** Attached is the proposed 2016 Capital improvements Budget. Public hearing will be held at the Board of Public Works meeting for the proposed budget. Budget will be forwarded to the January 12, 2016 Common Council meeting for action.

**Attachments:** Proposed 2016 Capital Improvements Budget

**NOTICE OF PUBLIC HEARING  
BEFORE THE CITY OF ONALASKA  
BOARD OF PUBLIC WORKS**

The Board of Public Works will meet in the Common Council Chambers at the Onalaska City Hall on:

**Tuesday, January 5, 2016  
6:30 p.m.**

for the purpose of the Public Hearing on the proposed 2016 Capital Improvements Budget for the City of Onalaska. The complete proposed budget is open for inspection in the Office of the City Clerk/Finance Department at the City Hall, 415 Main Street, Onalaska WI 54650, on Monday through Friday of each week between the hours of 8:00a.m. to 5:00p.m.

The proposed capital project fund calls for the total expenditures of \$8,326,990 in project costs. The funds already bonded through public hearings and available are \$782,800 plus funds from other revenue sources of \$1,549,000 for a total of \$5,995,190. In addition, there is an estimated issuance cost of \$54,810 for a grand total of \$6,050,000. Issuance costs exclude the underwriter's discount of approximately \$59,150. Underwriter's discount is a component of the bid for the bonds and will be paid via a bid premium offered by the underwriter.

Dated this 27th day of October, 2015

Fred Buehler  
Financial Services Director/Treasurer

**CITY OF ONALASKA**  
**2016 Capital Improvement Projects - Proposed**

	<u>Sanitary Sewer</u>	<u>Water</u>	<u>Storm Sewer</u>	<u>Tourism</u>	<u>General</u>	<u>Total Cost</u>	<u>Less Amount Already Bonded</u>	<u>Less Amount Other Sources</u>	<u>Amount Needed by Borrowing</u>
<b><u>I. Public Works Department</u></b>									
1. Sidewalk (NEW)									
a. Repair Program	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 75,000	\$ -	\$ -	\$ 75,000
b. Well St in fill installation	\$ -	\$ -	\$ -	\$ -	\$ 42,000	\$ 42,000	\$ -	\$ -	\$ 42,000
c. Misc. In fill installation	\$ -	\$ -	\$ -	\$ -	\$ 43,000	\$ 43,000	\$ -	\$ -	\$ 43,000
2. Pavement Maintenance Program (NEW) w/ La Crosse County Hwy Dept.	\$ -	\$ -	\$ -	\$ -	\$ 375,000	\$ 375,000	\$ -	\$ 125,000	\$ 250,000
3. Railroad quiet zone study 2nd Ave SW & Irvin St									
a. Design Study (2013 CIP #24)	\$ -	\$ -	\$ -	\$ -	\$ 15,000	\$ 15,000	\$ 15,000	\$ -	\$ -
b. Construction (New)	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ 250,000
4. <del>Street repaving - Holiday Heights (2015 Proposed #10)</del> <del>East Young Dr from West Young Dr - PASEP 4.0</del> <del>to Medary Lane</del>	<del>\$ -</del>	<del>\$ -</del>	<del>\$ -</del>	<del>\$ -</del>	<del>\$ 34,000</del>	<del>\$ 34,000</del>	<del>\$ -</del>	<del>\$ -</del>	<del>\$ 34,000</del>
5. <del>East Main St, Theater Rd Dr to Marcou Rd</del> <del>mill &amp; overlay (2014 Proposed #28) - PASEP 3.0</del>	<del>\$ -</del>	<del>\$ -</del>	<del>\$ -</del>	<del>\$ -</del>	<del>\$ 723,000</del>	<del>\$ 723,000</del>	<del>\$ -</del>	<del>\$ -</del>	<del>\$ 723,000</del>
6. Sanitary sewer combination cleaning truck (2015 Proposed #14), NET OF TRADE \$75,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ 300,000
7. <del>Green Coulee intersection improvements</del> <del>at East Main St (2015 Proposed #16)</del>									
a: Design									
1) Preliminary	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 100,000
2) Final	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ 200,000

I. Public Works Department (cont'd)

8.	Crossing Meadows Dr - pavement replacement 12th Ave S to 1,200 feet east (2014 Proposed #20) PASER 3.0	\$	\$	\$	\$	\$ 182,000	\$ 182,000	\$	\$	\$ 182,000
9.	Green St - reconstruction (2015 Proposed #19) 9th Ave to 10th Ave & Horman Blvd PASER 2.0	\$ 74,000	\$ 98,000	\$ 50,000	\$ -	\$ 230,000	\$ 452,000	\$ -	\$ -	\$ 452,000
10.	Fern St reconstruction, 3rd to 4th (NEW) PASER 2.0	\$ -	\$ -	\$ 28,000	\$ -	\$ 94,000	\$ 122,000	\$ -	\$ -	\$ 122,000
11.	Green Coulee Water High Service Zone Improvements-Design (NEW)	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ 50,000
12.	Public Works Facility - epoxy floor coating (2015 Proposed #21)	\$ 20,000	\$ 20,000	\$ 20,000	\$ -	\$ 20,000	\$ 80,000	\$ 80,000	\$ -	\$ -
13.	Coachlite Subdivision - repaving (2015 Proposed #22) GrandView Blvd, Fairway Ct, Coachlite Ct N, Kevin Ct, & Coachlite Ct S PASER 2.0	\$ -	\$ -	\$ -	\$ -	\$ 325,000	\$ 325,000	\$ -	\$ -	\$ 325,000
14.	Sand Lake Rd reconstruction (NEW) Redwood St to Riders Club Rd a. Design (2016) b. Construction (2017)	\$	\$	\$	\$	\$ 50,000	\$ 50,000	\$	\$	\$ 50,000
15.	King St reconstruction (2015 Proposed #25) 5th Ave N to 6th Ave N & 6th Ave N reconstruction - Main St to Monroe St PASER 3.5	\$ 22,000	\$ 46,000	\$	\$	\$ 196,000	\$ 264,000	\$	\$	\$ 264,000

2015 CIP SWR (#17) \$20,000  
2015 CIP WTR (#33) \$20,000  
2015 CIP SW (#1) \$20,000  
2015 CIP GF (#17) \$20,000

I. Public Works Department (cont'd)

16.	2nd Ave/STH 35 crosswalk replacement (NEW)	\$	\$	\$	\$	\$ 90,000	\$ 90,000	\$	\$	\$ 90,000
17.	Alley Paving projects (2015 Proposed #26)									
	a. Alley construction between Irvin St/Main St & 3rd Ave N/4th Ave N	\$	\$	\$	\$	\$ 30,000	\$ 30,000	\$	\$	\$ 30,000
	b. Alley paving between Irvin/Hickory St & 3rd Ave N/4th Ave N	\$	\$	\$	\$	\$ 20,000	\$ 20,000	\$	\$	\$ 20,000
18.	South Kinney Coulee lifstation (2015 Proposed #28) -- reconstruction	\$	265,000	\$	\$	\$	\$ 265,000	\$	\$ 10,000	\$ 255,000
									<i>Lax CO Solid Waste</i>	
19.	French Rd (2011 Proposed #18)									
	a. Booster Station	\$	\$ 600,000	\$	\$	\$	\$ 600,000	\$	\$	\$ 600,000
	b. Watermain	\$	\$ 150,000	\$	\$	\$	\$ 150,000	\$	\$	\$ 150,000
20.	I-90 sanitary sewer - WIS DOT project (2015 CIP #15 - Continued)	\$	558,800	\$	\$	\$	\$ 558,800	\$ 58,800	\$ 400,000	\$ 100,000
								<i>2015 CIP (#15)</i>	<i>WI DOT</i>	
21.	Street repaving (NEW) 10th Ave N - Park Pl to Grove St Park Pl - 10th Ave N to end PASER 2.4	\$	\$	\$	\$	\$ 182,000	\$ 182,000	\$	\$ 23,000	\$ 159,000
									<i>LRIP</i>	
22.	Country Club Lane repaving (NEW) PASER 2.5	\$	\$	\$	\$	\$ 310,000	\$ 310,000	\$	\$	\$ 310,000
23.	Street repaving (NEW) Well St, 13th Ave N, 14th Ave N, Lake St, 13th Pl, Herman Ct, Pleasant Ct, Hanson Ct, Meadow Ln & Redwood St PASER 2.6	\$	\$	\$	\$	\$ 663,000	\$ 663,000	\$	\$	\$ 663,000
									<i>SWR FUNDS</i>	
24.	3rd Ave N- Poplar St to cul de sac south of John St (NEW)								<i>WTR FUNDS</i>	
	a. Design (2016)	\$	15,000	\$	15,000	\$	10,000	\$	\$	\$ 70,000
	b. Construction (2017)	\$	\$	\$	\$	\$	\$	\$	\$	\$
									<i>STRM FUNDS</i>	
									<i>2015 CIP GNRL</i>	



**II. Planning Department**

35	Bluffland protection program w/ MVC (NEW)	\$	-	\$	-	\$	-	\$	-	\$	12,000	\$	12,000	\$	-	\$	-	\$	12,000
36	Urban Forestry - general (NEW)	\$	-	\$	-	\$	-	\$	-	\$	25,000	\$	25,000	\$	-	\$	-	\$	25,000
37	Emerald Ash Borer - tree planting (NEW)	\$	-	\$	-	\$	-	\$	-	\$	195,000	\$	195,000	\$	-	\$	45,000	\$	150,000
38	Emerald Ash Borer - tree stump removal (NEW)	\$	-	\$	-	\$	-	\$	-	\$	45,000	\$	45,000	\$	-	\$	-	\$	45,000
39	Urban forestry consulting services - tree inventory update (2nd of 3 yrs) (NEW)	\$	-	\$	-	\$	-	\$	-	\$	8,000	\$	8,000	\$	-	\$	-	\$	8,000
40	Waterfront Improvements - Great River Landing Project (2015 Proposed #41)																		
	a. Design	\$	-	\$	-	\$	-	\$	160,000	\$	-	\$	160,000	\$	100,000	\$	60,000	\$	
	b. Construction - Phase I (projects 1.0 & 1.1 including trailhead building & parking lot)	\$	-	\$	-	\$	-	\$	2,350,000	\$	-	\$	2,350,000	\$	-	\$	346,000	\$	2,004,000

WI DNR \$25000  
LX Comm Found  
\$20000

2015 CIP #41 SPEC. PROJ. DSFB.

WI DNR

**III. Fire Department**

41	Land & Facilities (2008 Proposed #37)																		
	a. Purchase land (3 acres @ \$3.00/sq ft)																		
	Fire Station #2 - STH 16 & I-90 vicinity	\$	-	\$	-	\$	-	\$	-	\$	396,000	\$	396,000	\$	-	\$	-	\$	396,000
42	Fire Engine/Pumper (replaces 1992 Peterbilt) (NEW) (Deduct \$26,000 for trade)	\$	-	\$	-	\$	-	\$	-	\$	600,000	\$	600,000	\$	-	\$	-	\$	600,000

**IV. Parks & Recreation Department**

43	Comprehensive Outdoor Recreation Plan (NEW) - rewrite	\$	-	\$	-	\$	-	\$	-	\$	15,000	\$	15,000	\$	-	\$	-	\$	15,000
44	Van Riper Park playground replacement (2014 Proposed #49)	\$	-	\$	-	\$	-	\$	-	\$	75,000	\$	75,000	\$	-	\$	-	\$	75,000
45	Video camera replacement - Aquatic Center & skatepark (NEW)	\$	-	\$	-	\$	-	\$	-	\$	19,000	\$	19,000	\$	-	\$	7,000	\$	12,000

CVMC GRANT

IV. Parks & Recreation Department (cont'd)

46	3/4 Ton Truck (Title Change)	\$	-	\$	-	\$	-	\$	-	\$	30,000	\$	30,000	\$	-	\$	-	\$	30,000
47	Van Riper Park - outfield fencing (west field) (2014 Proposed #49)	\$	-	\$	-	\$	-	\$	-	\$	13,000	\$	13,000	\$	-	\$	-	\$	13,000
48	Hilltopper Heights Park - basketball court overlay (2014 Proposed #47)	\$	-	\$	-	\$	-	\$	-	\$	18,500	\$	18,500	\$	-	\$	-	\$	18,500
49	Nathan Hills-area playground (2015 Proposed #46)	\$	-	\$	-	\$	-	\$	-	\$	25,000	\$	25,000	\$	-	\$	-	\$	25,000
50	Oak Park #4 - playground equipment (NEW)	\$	-	\$	-	\$	-	\$	-	\$	10,000	\$	10,000	\$	-	\$	10,000	\$	-

Park Fund

V. Police

51	Replace 2 squad cars (NEW)	\$	-	\$	-	\$	-	\$	-	\$	92,190	\$	92,190	\$	-	\$	-	\$	92,190
52	All-Terrain Vehicle	\$	-	\$	-	\$	-	\$	-	\$	25,093	\$	25,093	\$	-	\$	-	\$	25,093

VI. Omni Center

53	Omni Center roof (NEW)	\$	-	\$	-	\$	-	\$	-	\$	97,000	\$	97,000	\$	-	\$	97,000	\$	-
54	Arena 1 bleacher work (NEW)	\$	-	\$	-	\$	-	\$	-	\$	31,000	\$	31,000	\$	-	\$	31,000	\$	-
	a. Perma-Cap bleacher seat & riser cover	\$	-	\$	-	\$	-	\$	-	\$	20,000	\$	20,000	\$	-	\$	20,000	\$	-
	b. End & front bleacher rails	\$	-	\$	-	\$	-	\$	-	\$	20,000	\$	20,000	\$	-	\$	20,000	\$	-
55	Overhaul of chiller in Arena 2 (NEW)	\$	-	\$	-	\$	-	\$	-	\$	20,000	\$	20,000	\$	-	\$	20,000	\$	-
56	Security cameras for Arena 1 (NEW)	\$	-	\$	-	\$	-	\$	-	\$	25,000	\$	25,000	\$	-	\$	25,000	\$	-

SPEC. PROJ. DSFB.

VI. Omni Center (cont'd)

57	LED sign board for Omni Center/Tourism (NEW)	\$	-	\$	-	\$	-	\$	7,500	\$	7,500	\$	15,000	\$	-	\$	-	\$	15,000
58	Arena 1 sound system (NEW)	\$	-	\$	-	\$	-	\$	-	\$	50,000	\$	50,000	\$	-	\$	50,000	\$	-
59	Paint Arena 2 (NEW)	\$	-	\$	-	\$	-	\$	-	\$	10,000	\$	10,000	\$	-	\$	10,000	\$	-
60	Water cooler (NEW)	\$	-	\$	-	\$	-	\$	-	\$	4,400	\$	4,400	\$	-	\$	-	\$	4,400

SPEC. PROJ. DSFB.

SPEC. PROJ. DSFB.

SPEC. PROJ. DSFB.

VII. Library

61 Building addition—storage \$ — \$ — \$ — \$ — \$ 50,000 \$ 50,000 \$ — \$ — \$ 50,000

IX. City Hall

62 Carpet/Equipment \$ — \$ — \$ — \$ — \$ 15,000 \$ 15,000 \$ — \$ — \$ 15,000

**TOTALS:** \$ 1,441,800 \$ 248,000 \$ 123,000 \$ 2,510,000 \$ 4,004,190 \$ 8,326,990 \$ 782,800 \$ 1,549,000 \$ 5,995,190

	<u>Projected Costs</u>	<u>Less Already Bonded</u>	<u>Less Other Sources</u>	<u>Net Project Cost</u>	<u>Issuance Costs</u>	<u>Projected Bond Issue</u>
Sewer Projects	\$ 1,441,800	\$ 287,800	\$ 425,000	\$ 729,000	\$ -	\$ 729,000
Water Projects	\$ 248,000	\$ 45,000	\$ 15,000	\$ 188,000	\$ -	\$ 188,000
General Projects	\$ 4,004,190	\$ 315,000	\$ 693,000	\$ 2,996,190	\$ -	\$ 2,996,190
Storm Water Projects	\$ 123,000	\$ 35,000	\$ 10,000	\$ 78,000	\$ -	\$ 78,000
Tourism	\$ 2,510,000	\$ 100,000	\$ 406,000	\$ 2,004,000	\$ -	\$ 2,004,000
Grand Totals	\$ 8,326,990	\$ 782,800	\$ 1,549,000	\$ 5,995,190	\$ -	\$ 5,995,190

# **STAFF REVIEW SUMMARY**

## **CITY OF ONALASKA BOARD OF PUBLIC WORKS**

January 5, 2016

**Agenda Item: #5**

**Project/Item Name: Green Coulee water system study**

**Location: Green Coulee**

**Requested Action: Discussion on report**

**Staff Report/Description: SEH will be giving a report on the study including recommendations on future projects.**

**Attachments: Green Coulee water study**

# Executive Summary

NR 811.82 requires elevated storage to be added to the pressure zone, as the elevation of some existing units already exceeds the overflow elevation of the main pressure zone. In light of this requirement, SEH recommends Option 5, Option 6 or Option 7, all which provide elevated storage to the pressure zone. Elevated storage would provide flow equalization and pressure stabilization. A tank of 150,000 gallons is recommended in this study.

The preferred option by the Utility is Option 5A, followed by Option 5D. Multiple other options were assessed in this report. The Utility with SEH made this selection based on Wisconsin Statutes NR 811, Utility preference, the 20-year plan of the Utility for the water distribution system, and the availability of parcels.

For short term planning, SEH recommends the Utility replace the Jockey pump and re-calibrate the hydro-pneumatic tank. A vendor or contractor could be brought on site to provide an official quote directly to the Utility, and the work could be overseen by the Utility directly. This relatively inexpensive maintenance would alleviate the high pressures observed by the Utility until elevated storage can be provided to the pressure zone.

Cost estimates are summarized in Table 6-1 and cost break-downs are provided in Appendix A and Appendix B. SEH recommends the Utility apply for the Safe Drinking Water Loan Program to fund the future projects.



**OPINION OF PROBABLE COSTS**

City of Onalaska

Greens Coulee Pressure Zone Study

Appendix B-5a: Pressure Zone Option Cost Estimate

**Option 5A: Remove Jockey Pump, Remove Hydro-Pneumatic tank,  
and Construct New Storage Tank**

**WATER TANK**

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
150,000 GALLON GROUND STORAGE TANK	LS	1	\$400,000	\$400,000
SITE WORK AND WATER MAIN	L.S.	1	\$50,000	\$50,000
TELEMETRY AND SCADA	Each	1	\$10,000	\$10,000
LAND ACQUISITION	ACRE	0.5	\$20,000	\$10,000
<b>SUBTOTAL</b>				<b>\$470,000</b>
CONTINGENCY - 15%				\$70,000
ENGINEERING - 15 %				\$70,000
<b>WATER STORAGE TANK COSTS</b>				<b>\$610,000</b>

**TANK SPECIFIC WATERMAIN**

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
12-INCH WATER MAIN & FITTINGS THROUGH GRASS	LF	470	\$ 65	\$ 30,550
EXISTING WATER MAIN REPLACED WITH 12-INCH & FITTINGS	LF	0	\$ 65	\$ -
FUTURE WATER MAIN INCREASED TO 12-INCH & FITTINGS	LS	0	\$ 15	\$ -
NEW VALVE AND BOX, 12-INCH	EA	1	\$ 2,200	\$ 2,200
FUTURE VALVES INCREASED TO 12-INCH	EA	0	\$ 2,200	\$ -
RE-CONNECT EXISTING WATER SERVICE	EA	0	\$ 200	\$ -
SALVAGE HYDRANTS	EA	0	\$ 1,000	\$ -
FIRE HYDRANT	EA	1	\$ 3,500	\$ 3,500
HYDRANT LEADS - 6 INCH	LF	30	\$ 35	\$ 1,050
HYDRANT VALVES - 6 INCH	EA	1	\$ 1,200	\$ 1,200
TREE REMOVAL	EA	20	\$ 500	\$ 10,000
CONNECT TO EXISTING WATER MAIN	Each	1	\$ 2,000	\$ 2,000
<b>SUBTOTAL</b>				<b>\$ 51,000</b>
CONTINGENCY - 15%				\$8,000
ENGINEERING - 15 %				\$8,000
<b>WATERMAIN COSTS</b>				<b>\$ 67,000</b>



**OPINION OF PROBABLE COSTS**

City of Onalaska

Greens Coulee Pressure-Zone Study

**Appendix B-5a: Pressure Zone Option Cost Estimate**

**Option 5A: Remove Jockey Pump, Remove Hydro-Pneumatic tank, and Construct New Storage Tank**

**TANK SPECIFIC SITE, STREET, MISC.**

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
MAINTENANCE OF TRAFFIC	L.S.	1	\$ 2,000	\$ 2,000
WATER FOR DUST CONTROL	M. Gal	50	\$ 20	\$ 1,000
MOBILIZATION	LS	1	\$ 20,000	\$ 20,000
REMOVE ASPHALTIC SURFACE	SY	10	\$ 19.70	\$ 197
REMOVE CURB AND GUTTER	LF	30	\$ 8.50	\$ 255
PREPARATION OF SUBBASE	SY	10	\$ 1.50	\$ 15
CRUSHED AGGREGATE BASE COURSE	TON	4	\$ 68	\$ 272
ASPHALTIC MATERIAL FOR TACK COAT	GA	1	\$ 20	\$ 20
HMA ASPHALTIC PAVEMENT	TON	2	\$ 150	\$ 300
SILT FENCE DELIVERED, INSTALLED AND MAINTENANCE	LF	470	\$ 2.50	\$ 1,175
LAWN REPLACEMENT	SY	836	\$ 1.50	\$ 1,253
SAWING	LF	30	\$ 3.80	\$ 114
ADJUST VALVE BOX	EA	1	\$ 300	\$ 300
CONCRETE CURB AND GUTTER, 30-INCH, TYPE D	L.F.	30	\$ 40	\$ 1,194
CONCRETE SIDEWALK AND DRIVEWAY, 6"	S.F.	120	\$ 7	\$ 816
INLET PROTECTION	EACH	0	\$ 150	\$ -
<b>SUBTOTAL</b>				<b>\$ 29,000</b>
CONTINGENCY - 15%				\$4,000
ENGINEERING - 15 %				\$4,000
<b>STREET COSTS</b>				<b>\$ 37,000</b>

**20-YEAR ELECTRICAL COSTS**

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
ELECTRICAL CONSUMPTION	\$/YEAR	20	\$ 590	\$12,000
PEAK ELECTRICAL DRAW	\$/YEAR	20	\$ 2,010	\$40,000
ELECTRICAL CUSTOMER FEE	\$/YEAR	20	\$ 504	\$10,000
<b>OPERATION AND MAINTENANCE COSTS</b>				<b>\$ 62,000</b>

**ADDITIONAL CONSTRUCTION COSTS TO APPENDIX A \$ 714,000**

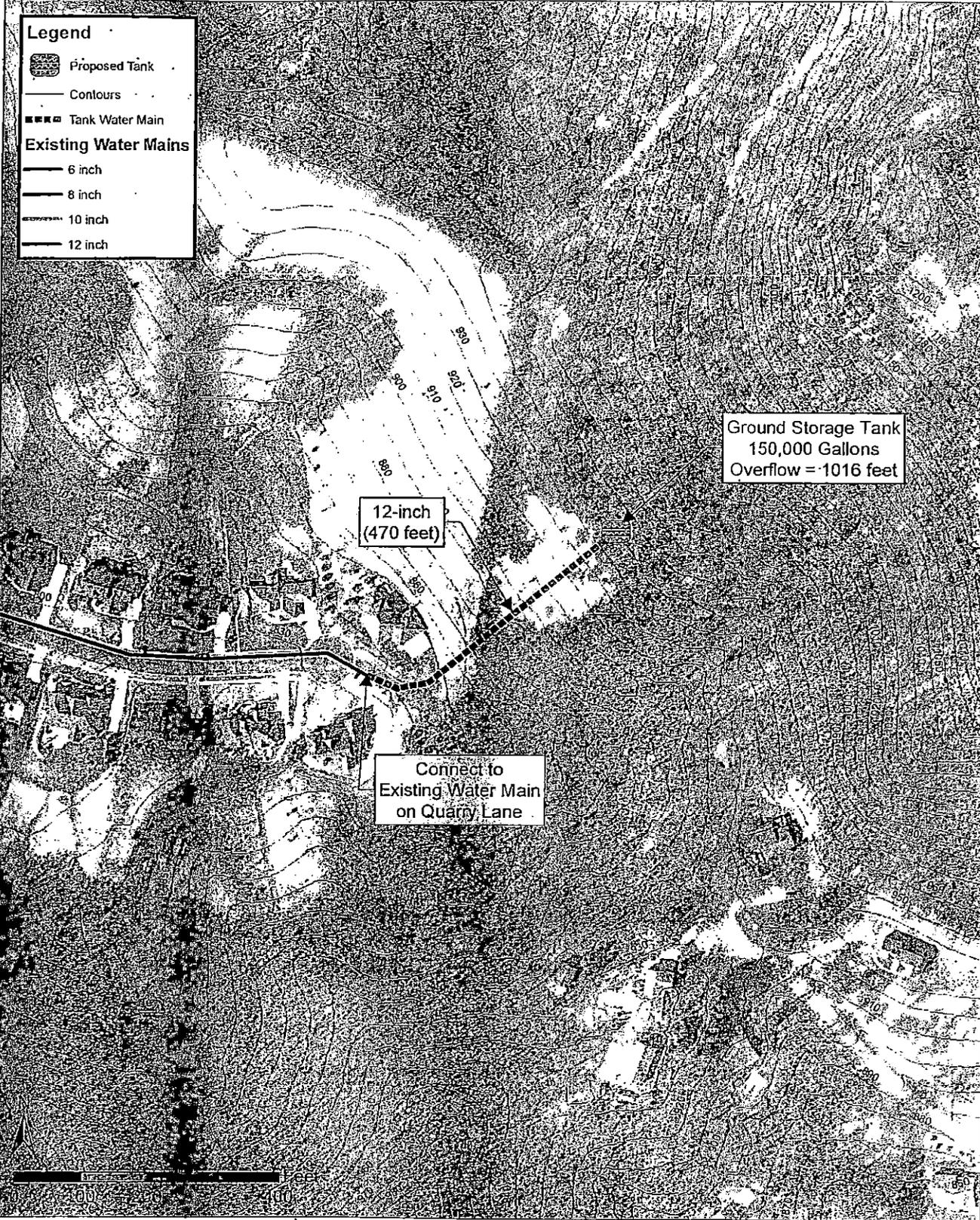
\\sehhd\projects\K010\Onalaska\340209\Pressure Zone Tables and Figures\Appendix B Option Cost Estimates.xlsx B-5 A

**Legend**

-  Proposed Tank
-  Contours
-  Tank Water Main

**Existing Water Mains**

-  6 inch
-  8 inch
-  10 inch
-  12 inch



Ground Storage Tank  
150,000 Gallons  
Overflow = 1016 feet

12-inch  
(470 feet)

Connect to  
Existing Water Main  
on Quarry Lane

Path: \\sehb\projects\KOC\Onalaska\154029\Pressure Zone\Titles and Figures\Figure B-5a Location A.mxd



SEH, Inc.  
312 South 3rd Street  
Phone: (608) 782-3161  
FAX: (608) 609-8166  
TF: (800) 325-2055  
www.sehinc.com

Project: ONALA 134029  
Print Date: 11/19/2015

Map by: jbohert  
Projection: NAD\_1983\_StatePlane\_Wisconsin\_South\_FIPS\_4803\_Feet  
Source: City of Onalaska GIS

**OPTION 5A: TANK LOCATION A**  
GREENS COULEE PRESSURE ZONE  
Onalaska, Wisconsin

Figure  
B-5a

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**OPINION OF PROBABLE COSTS**  
 City of Onalaska  
 Greens Coulee Pressure Zone Study  
 Appendix B-5b: Pressure Zone Option Cost Estimate  
**Option 5B: Remove Jockey Pump, Remove Hydro-Pneumatic tank,  
 and Construct New Storage Tank**

**WATER TANK**

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
150,000 GALLON GROUND STORAGE TANK	LS	1	\$400,000	\$400,000
SITE WORK AND WATER MAIN	L.S.	1	\$50,000	\$50,000
TELEMETRY AND SCADA	Each	1	\$10,000	\$10,000
LAND ACQUISITION	ACRE	0.5	\$20,000	\$10,000
<b>SUBTOTAL</b>				<b>\$470,000</b>
CONTINGENCY - 15%				\$70,000
ENGINEERING - 15 %				\$70,000
<b>WATER STORAGE TANK COSTS</b>				<b>\$610,000</b>

**TANK SPECIFIC WATERMAIN**

ITEM.	UNIT	QUANTITY	UNIT PRICE	COST
12-INCH WATER MAIN & FITTINGS THROUGH GRASS	LF	270	\$ 65	\$ 17,550
EXISTING WATER MAIN REPLACED WITH 12-INCH & FITTINGS	LF	0	\$ 65	\$ -
FUTURE WATER MAIN INCREASED TO 12-INCH & FITTINGS	LS	1,410	\$ 15	\$ 21,150
NEW VALVE AND BOX, 12-INCH	EA	1	\$ 2,200	\$ 2,200
FUTURE VALVES INCREASED TO 12-INCH	EA	4	\$ 600	\$ 2,400
RE-CONNECT EXISTING WATER SERVICE	EA	0	\$ 200	\$ -
SALVAGE HYDRANTS	EA	0	\$ 1,000	\$ -
FIRE HYDRANT	EA	1	\$ 3,500	\$ 3,500
HYDRANT LEADS - 6 INCH	LF	30	\$ 35	\$ 1,050
HYDRANT VALVES - 6 INCH	EA	1	\$ 1,200	\$ 1,200
TREE REMOVAL	EA	0	\$ 500	\$ -
CONNECT TO EXISTING WATER MAIN	Each	1	\$ 2,000	\$ 2,000
<b>SUBTOTAL</b>				<b>\$ 51,000</b>
CONTINGENCY - 15%				\$8,000
ENGINEERING - 15 %				\$8,000
<b>WATERMAIN COSTS</b>				<b>\$ 67,000</b>



**OPINION OF PROBABLE COSTS**  
 City of Onalaska  
 Greens Coulee Pressure Zone Study  
**Appendix B-5b: Pressure Zone Option Cost Estimate**  
**Option 5B: Remove Jockey Pump, Remove Hydro-Pneumatic tank,**  
**and Construct New Storage Tank**

**TANK SPECIFIC SITE, STREET, MISC.**

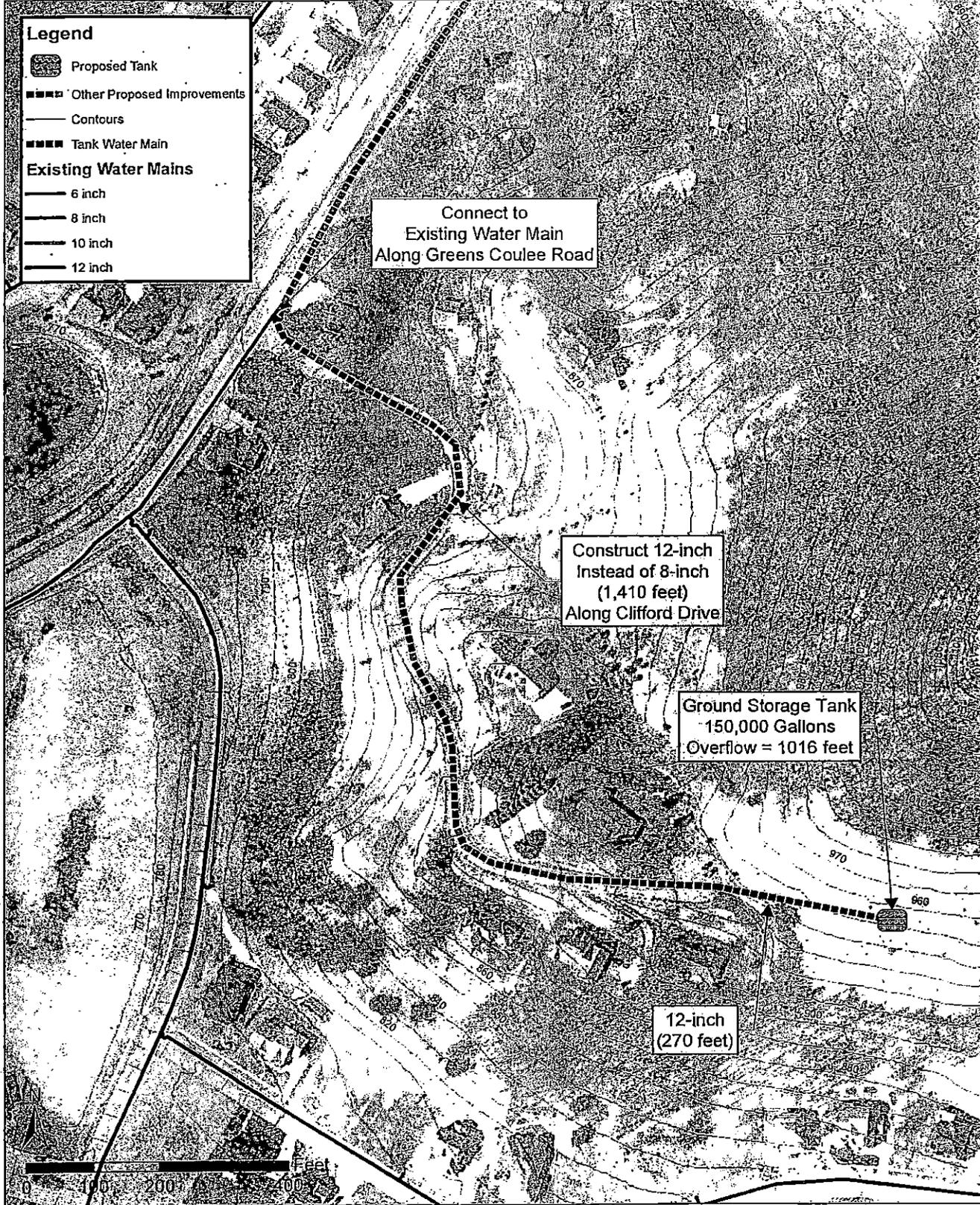
ITEM	UNIT	QUANTITY	UNIT PRICE	COST
MAINTENANCE OF TRAFFIC	L.S.	1	\$ 2,000	\$ 2,000
WATER FOR DUST CONTROL	M. Gal	50	\$ 20	\$ 1,000
MOBILIZATION	LS	1	\$ 20,000	\$ 20,000
REMOVE ASPHALTIC SURFACE	SY	10	\$ 19.70	\$ 197
REMOVE CURB AND GUTTER	LF	30	\$ 8.50	\$ 255
PREPARATION OF SUBBASE	SY	10	\$ 1.50	\$ 15
CRUSHED AGGREGATE BASE COURSE	TON	4	\$ 68	\$ 272
ASPHALTIC MATERIAL FOR TACK COAT	GA	1	\$ 20	\$ 20
HMA ASPHALTIC PAVEMENT	TON	2	\$ 150	\$ 300
SILT FENCE DELIVERED, INSTALLED AND MAINTENANCE	LF	270	\$ 2.50	\$ 675
LAWN REPLACEMENT	SY	480	\$ 1.50	\$ 720
SAWING	LF	30	\$ 3.80	\$ 114
ADJUST VALVE BOX	EA	5	\$ 300	\$ 1,500
CONCRETE CURB AND GUTTER, 30-INCH, TYPE D	L.F.	30	\$ 40	\$ 1,194
CONCRETE SIDEWALK AND DRIVEWAY, 6"	S.F.	120	\$ 7	\$ 816
INLET PROTECTION	EACH	7	\$ 150	\$ 1,050
<b>SUBTOTAL</b>				<b>\$ 30,000</b>
CONTINGENCY - 15%				\$5,000
ENGINEERING - 15 %				\$5,000
<b>STREET COSTS</b>				<b>\$ 40,000</b>

**20-YEAR ELECTRICAL COSTS**

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
ELECTRICAL CONSUMPTION	\$/YEAR	20	\$ 590	\$12,000
PEAK ELECTRICAL DRAW	\$/YEAR	20	\$ 2,010	\$40,000
ELECTRICAL CUSTOMER FEE	\$/YEAR	20	\$ 504	\$10,000
<b>OPERATION AND MAINTENANCE COSTS</b>				<b>\$ 62,000</b>

**ADDITIONAL CONSTRUCTION COSTS TO APPENDIX A** **\$ 717,000**

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Project: ONALA 134029  
 Print Date: 11/19/2015  
 Map by: jbohnert  
 Projection: NAD\_1983\_StatePlane\_Wisconsin\_South\_FIPS\_4603\_Feet  
 Source: City of Onalaska GIS

**OPTION 5B: TANK LOCATION B**  
 GREENS COULEE PRESSURE ZONE  
 Onalaska, Wisconsin

Figure  
 B-5b

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**OPINION OF PROBABLE COSTS**

City of Onalaska

Greens Coulee Pressure Zone Study

Appendix B-5c: Pressure Zone Option Cost Estimate

**Option 5C: Remove Jockey Pump, Remove Hydro-Pneumatic tank,  
and Construct New Storage Tank**

**WATER TANK**

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
150,000 GALLON GROUND STORAGE TANK	LS	1	\$400,000	\$400,000
SITE WORK AND WATER MAIN	L.S.	1	\$50,000	\$50,000
TELEMETRY AND SCADA	Each	1	\$10,000	\$10,000
LAND ACQUISITION	ACRE	0.5	\$20,000	\$10,000
<b>SUBTOTAL</b>				<b>\$470,000</b>
CONTINGENCY - 15%				\$70,000
ENGINEERING - 15 %				\$70,000
<b>WATER STORAGE TANK COSTS</b>				<b>\$610,000</b>

**TANK SPECIFIC WATERMAIN**

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
12-INCH WATER MAIN & FITTINGS THROUGH GRASS	LF	300	\$ 65	\$ 19,500
EXISTING WATER MAIN REPLACED WITH 12-INCH & FITTINGS	LF	1,470	\$ 65	\$ 95,550
FUTURE WATER MAIN INCREASED TO 12-INCH & FITTINGS	LS	0	\$ 15	\$ -
NEW VALVE AND BOX, 12-INCH	EA	4	\$ 2,200	\$ 8,800
FUTURE VALVES INCREASED TO 12-INCH	EA	0	\$ 600	\$ -
RE-CONNECT EXISTING WATER SERVICE	EA	24	\$ 200	\$ 4,800
SALVAGE HYDRANTS	EA	4	\$ 1,000	\$ 4,000
FIRE HYDRANT	EA	1	\$ 3,500	\$ 3,500
HYDRANT LEADS - 6 INCH	LF	150	\$ 35	\$ 5,250
HYDRANT VALVES - 6 INCH	EA	1	\$ 1,200	\$ 1,200
TREE REMOVAL	EA	50	\$ 500	\$ 25,000
CONNECT TO EXISTING WATER MAIN	Each	1	\$ 2,000	\$ 2,000
<b>SUBTOTAL</b>				<b>\$ 170,000</b>
CONTINGENCY - 15%				\$26,000
ENGINEERING - 15 %				\$26,000
<b>WATERMAIN COSTS</b>				<b>\$ 222,000</b>



OPINION OF PROBABLE COSTS  
 City of Onalaska  
 Greens Coulee Pressure Zone Study  
 Appendix B-5c: Pressure Zone Option Cost Estimate  
 Option 5C: Remove Jockey Pump, Remove Hydro-Pneumatic tank,  
 and Construct New Storage Tank

TANK SPECIFIC SITE, STREET, MISC.

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
MAINTENANCE OF TRAFFIC	L.S.	1	\$ 2,000	\$ 2,000
WATER FOR DUST CONTROL	M. Gal	50	\$ 20	\$ 1,000
MOBILIZATION	LS	1	\$ 20,000	\$ 20,000
REMOVE ASPHALTIC SURFACE	SY	5,237	\$ 4.60	\$ 24,090
REMOVE CURB AND GUTTER	LF	30	\$ 8.50	\$ 255
COMMON EXCAVATION (PLAN QUANTITY)	CY	1,742	\$ 9.90	\$ 17,248
PREPARATION OF SUBBASE	SY	5,237	\$ 1.50	\$ 7,856
CRUSHED AGGREGATE BASE COURSE	TON	2,328	\$ 14	\$ 32,592
ASPHALTIC MATERIAL FOR TACK COAT	GA	1	\$ 20	\$ 20
HMA ASPHALTIC PAVEMENT	TON	888	\$ 91	\$ 80,808
SILT FENCE DELIVERED, INSTALLED AND MAINTENANCE	LF	1,770	\$ 2.50	\$ 4,425
LAWN REPLACEMENT	SY	3,147	\$ 1.50	\$ 4,720
SAWING	LF	30	\$ 3.80	\$ 114
ADJUST VALVE BOX	EA	4	\$ 300	\$ 1,200
CONCRETE CURB AND GUTTER, 30-INCH, TYPE D	LF	30	\$ 40	\$ 1,194
CONCRETE SIDEWALK AND DRIVEWAY, 6"	S.F.	120	\$ 7	\$ 816
INLET PROTECTION	EACH	7	\$ 150	\$ 1,050
SUBTOTAL				\$ 199,000
CONTINGENCY - 15%				\$30,000
ENGINEERING - 15%				\$30,000
STREET COSTS				\$ 259,000

20-YEAR ELECTRICAL COSTS

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
ELECTRICAL CONSUMPTION	\$/YEAR	20	\$ 590	\$12,000
PEAK ELECTRICAL DRAW	\$/YEAR	20	\$ 2,010	\$40,000
ELECTRICAL CUSTOMER FEE	\$/YEAR	20	\$ 504	\$10,000
OPERATION AND MAINTENANCE COSTS				\$ 62,000

**ADDITIONAL CONSTRUCTION COSTS TO APPENDIX A** **\$ 1,091,000**

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**Legend**

-  Proposed Tank
-  Water Main Replacement
-  Tank Water Main

**Existing Water Mains**

-  6 inch
-  8 inch
-  10 inch
-  12 inch

Ground Storage Tank  
150,000 Gallons  
Overflow = 1016 feet

12-inch  
(300 feet)

Replace Existing  
Water Main with  
12-inch Water Main  
(1,470 feet)  
Along Aspen Valley Drive

Connect to  
Existing  
Water Main

Connect to  
Existing  
Water Main

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	<p>SEH, Inc. 312 South 3rd Street Phone: (800) 782-3161 FAX: (800) 808-8166 TF: (800) 326-2055 www.sehinc.com</p>	<p>Project: ONALA 134029 Print Date: 11/19/2015 Map by: jbohnet Projection: NAD, 1983, StatePlane, Wisconsin, South, FIPS, 4803, Feet Source: City of Onalaska GIS</p>	<p><b>OPTION 5C: TANK LOCATION C</b> GREENS COULEE PRESSURE ZONE Onalaska, Wisconsin</p>	<p>Figure B-5c</p>
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**OPINION OF PROBABLE COSTS**

City of Onalaska

Greens Coulee Pressure Zone Study

Appendix B-5d: Pressure Zone Option Cost Estimate

**Option 5D: Remove Jockey Pump, Remove Hydro-Pneumatic tank, and Construct New Storage Tank**

WATER TANK

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
150,000 GALLON GROUND STORAGE TANK	LS	1	\$400,000	\$400,000
SITE WORK AND WATER MAIN	L.S.	1	\$50,000	\$50,000
TELEMETRY AND SCADA	Each	1	\$10,000	\$10,000
LAND ACQUISITION	ACRE	0.5	\$20,000	\$10,000
<b>SUBTOTAL</b>				<b>\$470,000</b>
CONTINGENCY - 15%				\$70,000
ENGINEERING - 15 %				\$70,000
<b>WATER STORAGE TANK COSTS</b>				<b>\$610,000</b>

TANK SPECIFIC WATERMAIN

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
12-INCH WATER MAIN & FITTINGS THROUGH GRASS	LF	640	\$ 65	\$ 41,600
EXISTING WATER MAIN REPLACED WITH 12-INCH & FITTINGS	LF	360	\$ 65	\$ 23,400
FUTURE WATER MAIN INCREASED TO 12-INCH & FITTINGS	LS	0	\$ 15	\$ -
NEW VALVE AND BOX, 12-INCH	EA	3	\$ 2,200	\$ 6,600
FUTURE VALVES INCREASED TO 12-INCH	EA	0	\$ 600	\$ -
RE-CONNECT EXISTING WATER SERVICE	EA	0	\$ 200	\$ -
SALVAGE HYDRANTS	EA	1	\$ 1,000	\$ 1,000
FIRE HYDRANT	EA	2	\$ 3,500	\$ 7,000
HYDRANT LEADS - 6 INCH	LF	90	\$ 35	\$ 3,150
HYDRANT VALVES - 6 INCH	EA	2	\$ 1,200	\$ 2,400
TREE REMOVAL	EA	50	\$ 500	\$ 25,000
CONNECT TO EXISTING WATER MAIN	Each	1	\$ 2,000	\$ 2,000
<b>SUBTOTAL</b>				<b>\$ 112,000</b>
CONTINGENCY - 15%				\$17,000
ENGINEERING - 15 %				\$17,000
<b>WATERMAIN COSTS</b>				<b>\$ 146,000</b>



**OPINION OF PROBABLE COSTS**  
 City of Onalaska  
 Greens Coulee Pressure Zone Study  
**Appendix B-5d: Pressure Zone Option Cost Estimate**  
**Option 5D: Remove Jockey Pump, Remove Hydro-Pneumatic tank,  
 and Construct New Storage Tank**

**TANK SPECIFIC SITE, STREET, MISC.**

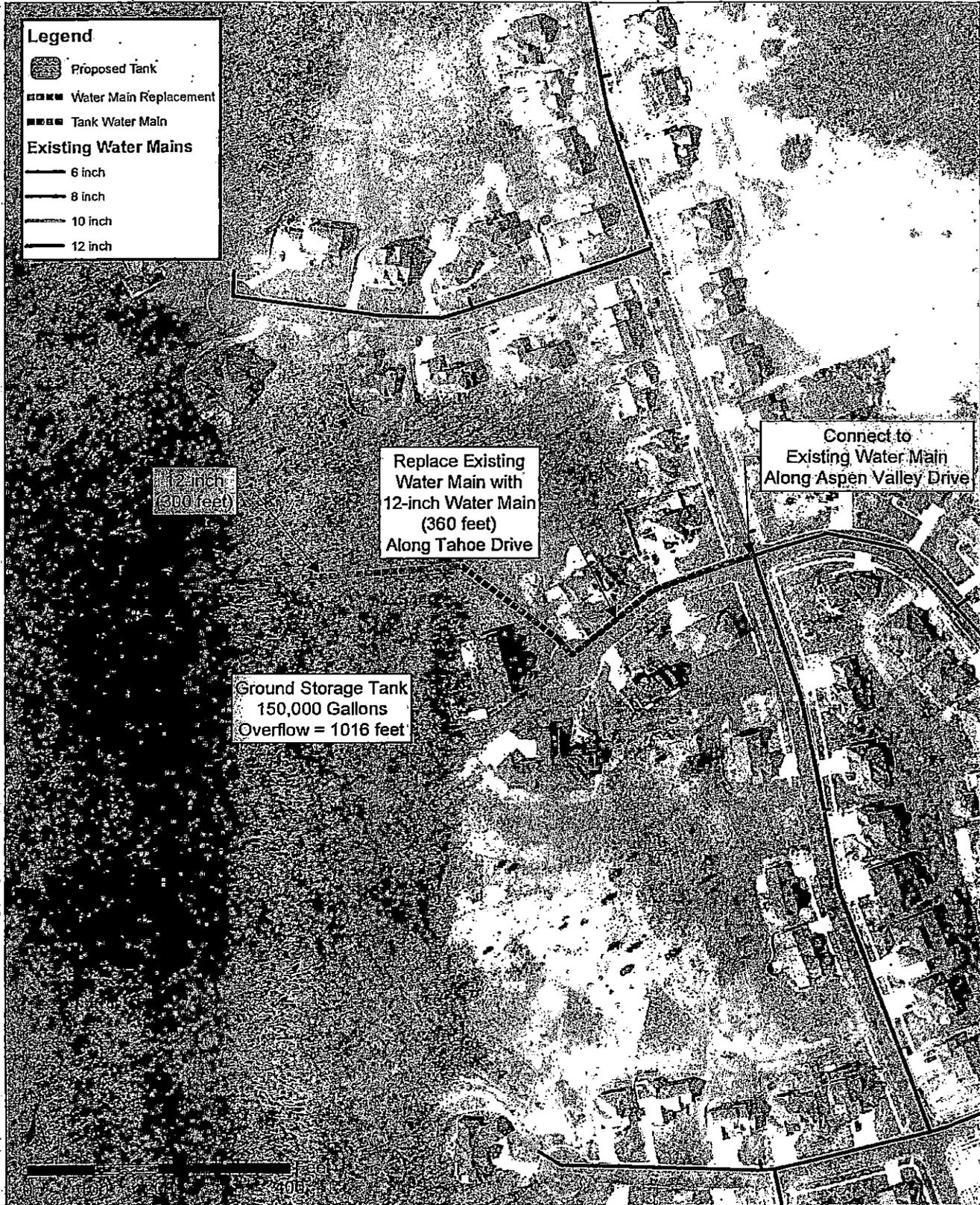
ITEM	UNIT	QUANTITY	UNIT PRICE	COST
MAINTENANCE OF TRAFFIC	L.S.	1	\$ 2,000	\$ 2,000
WATER FOR DUST CONTROL	M. Gal	50	\$ 20	\$ 1,000
MOBILIZATION	LS	1	\$ 20,000	\$ 20,000
REMOVE ASPHALTIC SURFACE	SY	1,290	\$ 6.30	\$ 8,127
REMOVE CURB AND GUTTER	LF	30	\$ 8.50	\$ 255
COMMON EXCAVATION (PLAN QUANTITY)	CY	427	\$ 11.30	\$ 4,821
PREPARATION OF SUBBASE	SY	1,290	\$ 1.50	\$ 1,935
CRUSHED AGGREGATE BASE COURSE	TON	573	\$ 20	\$ 11,460
ASPHALTIC MATERIAL FOR TACK COAT	GA	1	\$ 20	\$ 20
HMA ASPHALTIC PAVEMENT	TON	219	\$ 122	\$ 26,718
SILT FENCE DELIVERED, INSTALLED AND MAINTENANCE	LF	1,000	\$ 2.50	\$ 2,500
LAWN REPLACEMENT	SY	1,778	\$ 1.50	\$ 2,667
SAWING	LF	30	\$ 3.80	\$ 114
ADJUST VALVE BOX	EA	3	\$ 300	\$ 900
CONCRETE CURB AND GUTTER, 30-INCH, TYPE D	L.F.	30	\$ 40	\$ 1,194
CONCRETE SIDEWALK AND DRIVEWAY, 6"	S.F.	120	\$ 7	\$ 816
INLET PROTECTION	EACH	2	\$ 150	\$ 300
<b>SUBTOTAL</b>				<b>\$ 85,000</b>
CONTINGENCY - 15%				\$13,000
ENGINEERING - 15 %				\$13,000
<b>STREET COSTS</b>				<b>\$ 111,000</b>

**20-YEAR ELECTRICAL COSTS**

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
ELECTRICAL CONSUMPTION	\$/YEAR	20	\$ 590	\$12,000
PEAK ELECTRICAL DRAW	\$/YEAR	20	\$ 2,010	\$40,000
ELECTRICAL CUSTOMER FEE	\$/YEAR	20	\$ 504	\$10,000
<b>OPERATION AND MAINTENANCE COSTS</b>				<b>\$ 62,000</b>

**ADDITIONAL CONSTRUCTION COSTS TO APPENDIX A \$ 867,000**

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**Legend**

- Proposed Tank
- Water Main Replacement
- Tank Water Main

**Existing Water Mains**

- 6 inch
- 8 inch
- 10 inch
- 12 inch

12-inch  
(360 feet)

Replace Existing  
Water Main with  
12-inch Water Main  
(360 feet)  
Along Tahoe Drive

Connect to  
Existing Water Main  
Along Aspen Valley Drive

Ground Storage Tank  
150,000 Gallons  
Overflow = 1016 feet

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Project: ONALA 134029  
Print Date: 11/19/2015

Map by: jbohnert  
Projection: NAD\_1983\_StatePlane\_Wisconsin\_South\_FPS\_4503\_Feet  
Source: City of Onalaska GIS

**OPTION 5D: TANK LOCATION D**  
GREENS COULEE PRESSURE ZONE  
Onalaska, Wisconsin

Figure  
B-5d

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OPINION OF PROBABLE COSTS

City of Onalaska

Greens Coulee Pressure Zone Study

Appendix B-6: Pressure Zone Option Cost Estimate

Option 6: Remove Jockey Pump, Remove Hydro-Pneumatic tank,  
and Connect to County Club Reservoir

WATERMAIN

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
NEW 12-INCH WATER MAIN & FITTINGS THROUGH GRASS	LF	990	\$ 65	\$ 64,350
CONSTRUCT 12-INCH WATER MAIN & FITTINGS IN STREET	LF	1,220	\$ 65	\$ 79,300
FUTURE WATER MAIN INCREASED TO 12-INCH & FITTINGS	LS	0	\$ 15	\$ -
NEW VALVE AND BOX, 12-INCH	EA	6	\$ 2,200	\$ 13,200
FUTURE VALVES INCREASED TO 12-INCH	EA	0	\$ 600	\$ -
CONNECT NEW WATER SERVICE	EA	.10	\$ 650	\$ 6,500
RE-CONNECT EXISTING WATER SERVICE	EA	0	\$ 200	\$ -
WATER SERVICE, 1-INCH COPPER	LF	300	\$ 24	\$ 7,050
CORPORATION STOP	EA	10	\$ 150	\$ 1,500
CURB STOP AND BOX	EA	10	\$ 250	\$ 2,500
SALVAGE HYDRANTS	EA	0	\$ 1,000	\$ -
FIRE HYDRANT	EA	5	\$ 3,500	\$ 17,500
HYDRANT LEADS - 6 INCH	LF	150	\$ 35	\$ 5,250
HYDRANT VALVES - 6 INCH	EA	5	\$ 1,200	\$ 6,000
CONNECT TO EXISTING WATER MAIN	Each	2	\$ 2,000	\$ 4,000
SUBTOTAL				\$ 207,000
CONTINGENCY - 15%				\$31,000
ENGINEERING - 15 %				\$31,000
WATERMAIN COSTS				\$ 269,000



**OPINION OF PROBABLE COSTS**  
 City of Onalaska  
 Greens Coulee Pressure Zone Study  
**Appendix B-6: Pressure Zone Option Cost Estimate**  
**Option 6: Remove Jockey Pump, Remove Hydro-Pneumatic tank,**  
**and Connect to County Club Reservoir**

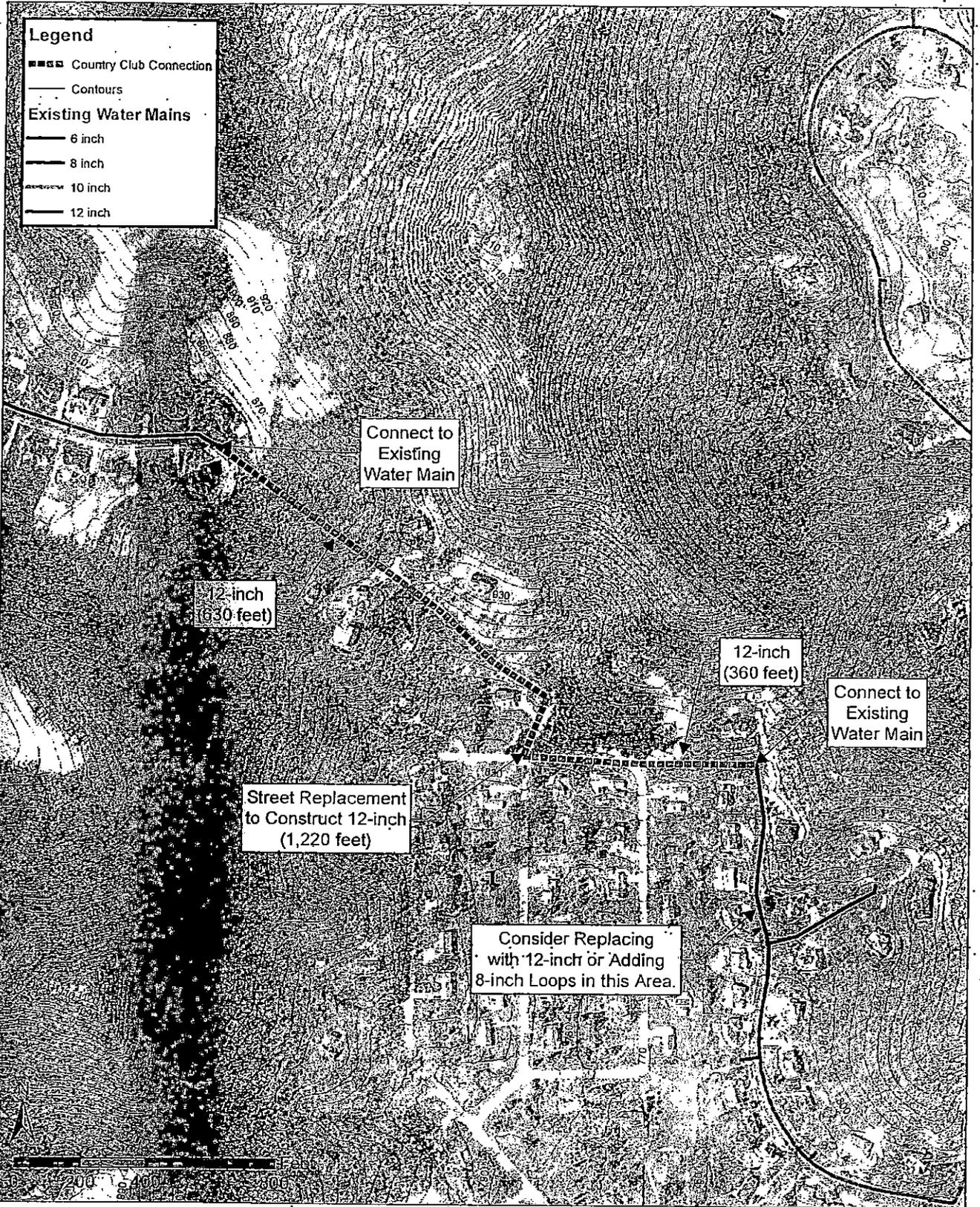
SITE, STREET, MISC.

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
MAINTENANCE OF TRAFFIC	L.S.	1	\$ 2,000	\$ 2,000
WATER FOR DUST CONTROL	M. Gal	50	\$ 20	\$ 1,000
MOBILIZATION	LS	1	\$ 20,000	\$ 20,000
REMOVE ASPHALTIC SURFACE	SY	4,348	\$ 4.80	\$ 20,870
REMOVE CURB AND GUTTER	LF	30	\$ 8.50	\$ 255
COMMON EXCAVATION (PLAN QUANTITY)	CY	1,446	\$ 10.10	\$ 14,604
PREPARATION OF SUBBASE	SY	4,348	\$ 1.50	\$ 6,522
CRUSHED AGGREGATE BASE COURSE	TON	1,932	\$ 15	\$ 28,980
ASPHALTIC MATERIAL FOR TACK COAT	GA	1	\$ 20	\$ 20
HMA ASPHALTIC PAVEMENT	TON	737	\$ 95	\$ 70,015
SILT FENCE DELIVERED, INSTALLED AND MAINTENANCE	LF	2,210	\$ 2.50	\$ 5,525
LAWN REPLACEMENT	SY	3,929	\$ 1.50	\$ 5,893
SAWING	LF	30	\$ 3.80	\$ 114
ADJUST VALVE BOX	EA	6	\$ 300	\$ 1,800
CONCRETE CURB AND GUTTER, 30-INCH, TYPE D	LF	30	\$ 40	\$ 1,194
CONCRETE SIDEWALK AND DRIVEWAY, 6"	S.F.	120	\$ 7	\$ 816
INLET PROTECTION	EACH	6	\$ 150	\$ 900
<b>SUBTOTAL</b>				<b>\$ 181,000</b>
CONTINGENCY - 15%				\$27,000
ENGINEERING - 15 %				\$27,000
<b>STREET COSTS</b>				<b>\$ 235,000</b>

20-YEAR ELECTRICAL COSTS

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
ELECTRICAL CONSUMPTION	\$/YEAR	20	\$ 590	\$12,000
PEAK ELECTRICAL DRAW	\$/YEAR	20	\$ 2,010	\$40,000
ELECTRICAL CUSTOMER FEE	\$/YEAR	20	\$ 504	\$10,000
<b>OPERATION AND MAINTENANCE COSTS</b>				<b>\$ 62,000</b>

<b>ADDITIONAL CONSTRUCTION COSTS TO APPENDIX A</b>	<b>\$ 504,000</b>
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File: P:\K\O\Onalaska\Pressure Zone Tables and Figures\Figure B-6 Country Club.mxd

	<p>SEH, Inc. 312 South 3rd Street Phone: (608) 782-3161 FAX: (608) 508-8166 TF: (608) 325-2055 www.sehinc.com</p>	<p>Project: ONALA 134029 Print Date: 10/21/2015</p> <p>Map by jbohner Projection: NAD, 1983, StatePlane, Wisconsin_South, FIPS_4803, Feet Source: City of Oconomowoc GIS</p>	<p><b>OPTION 6: COUNTRY CLUB GREENS COULEE PRESSURE ZONE</b> Onalaska, Wisconsin</p>	<p>Figure B-6</p>
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**OPINION OF PROBABLE COSTS**

City of Onalaska

Greens Coulee Pressure Zone Study

Appendix B-7: Pressure Zone Option Cost Estimate

**Option 7: Remove Jockey Pump, Remove Hydro-Pneumatic tank, Connect to County Club Reservoir, and Construct New Storage Tank at Location 1**

**WATER TANK**

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
150,000 GALLON GROUND STORAGE TANK	LS	1	\$400,000	\$ 400,000
SITE WORK AND WATER MAIN	L.S.	1	\$50,000	\$ 50,000
TELEMETRY AND SCADA	Each	1	\$10,000	\$ 10,000
LAND ACQUISITION	ACRE	0.5	\$20,000	\$ 10,000
<b>SUBTOTAL</b>				<b>\$ 470,000</b>
CONTINGENCY - 15%				\$70,000
ENGINEERING - 15%				\$70,000
<b>WATER STORAGE TANK COSTS</b>				<b>\$610,000</b>

**WATERMAIN**

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
NEW 12-INCH WATER MAIN & FITTINGS THROUGH GRASS	LF	1,460	\$ 65	\$ 94,900
CONSTRUCT 12-INCH WATER MAIN & FITTINGS IN STREET	LF	1,220	\$ 65	\$ 79,300
FUTURE WATER MAIN INCREASED TO 12-INCH & FITTINGS	LS	0	\$ 15	\$ -
NEW VALVE AND BOX, 12-INCH	EA	7	\$ 2,200	\$ 15,400
FUTURE VALVES INCREASED TO 12-INCH	EA	0	\$ 600	\$ -
CONNECT NEW WATER SERVICE	EA	10	\$ 650	\$ 6,500
RE-CONNECT EXISTING WATER SERVICE	EA	0	\$ 200	\$ -
WATER SERVICE, 1-INCH COPPER	LF	300	\$ 24	\$ 7,050
CORPORATION STOP	EA	10	\$ 150	\$ 1,500
CURB STOP AND BOX	EA	10	\$ 250	\$ 2,500
SALVAGE HYDRANTS	EA	0	\$ 1,000	\$ -
FIRE HYDRANT	EA	6	\$ 3,500	\$ 21,000
HYDRANT LEADS - 6 INCH	LF	180	\$ 35	\$ 6,300
HYDRANT VALVES - 6 INCH	EA	6	\$ 1,200	\$ 7,200
CONNECT TO EXISTING WATER MAIN	Each	2	\$ 2,000	\$ 4,000
<b>SUBTOTAL</b>				<b>\$ 246,000</b>
CONTINGENCY - 15%				\$37,000
ENGINEERING - 15%				\$37,000
<b>WATERMAIN COSTS</b>				<b>\$ 320,000</b>



**OPINION OF PROBABLE COSTS**

City of Onalaska

Greens Coulee Pressure Zone Study

**Appendix B-7: Pressure Zone Option Cost Estimate**

**Option 7: Remove Jockey Pump, Remove Hydro-Pneumatic tank, Connect to County Club Reservoir, and Construct New Storage Tank at Location 1**

SITE, STREET, MISC.

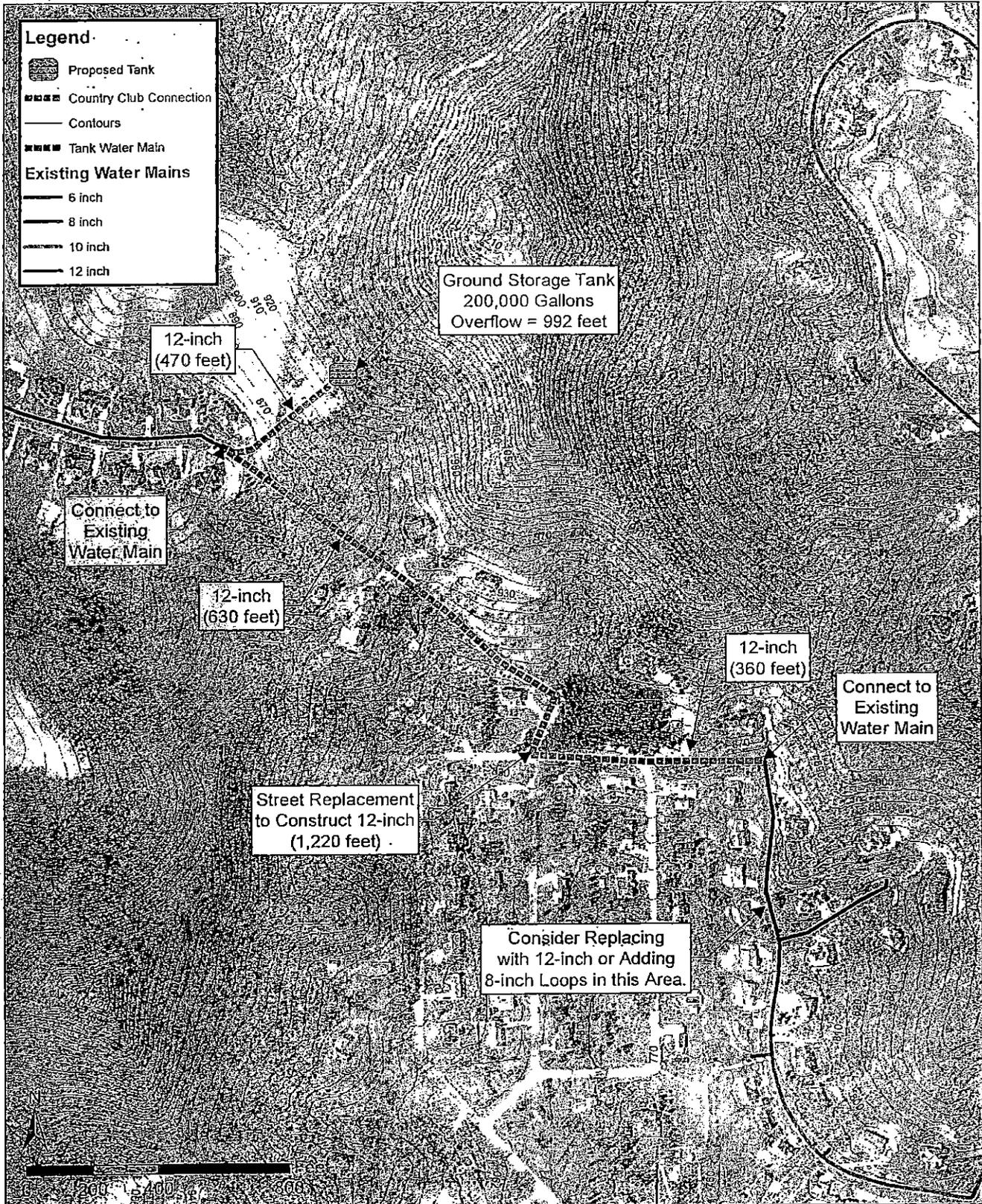
ITEM	UNIT	QUANTITY	UNIT PRICE	COST
	L.S.	1	\$ 2,000	\$ 2,000
MAINTENANCE OF TRAFFIC	M. Gal	50	\$ 20	\$ 1,000
WATER FOR DUST CONTROL	LS	1	\$ 20,000	\$ 20,000
MOBILIZATION	SY	4,348	\$ 4.80	\$ 20,870
REMOVE ASPHALTIC SURFACE	LF	30	\$ 8.50	\$ 255
REMOVE CURB AND GUTTER	SY	4,348	\$ 1.50	\$ 6,522
PREPARATION OF SUBBASE	TON	1,932	\$ 15	\$ 28,980
CRUSHED AGGREGATE BASE COURSE	GA	1	\$ 20	\$ 20
ASPHALTIC MATERIAL FOR TACK COAT	TON	737	\$ 95	\$ 70,015
HMA ASPHALTIC PAVEMENT	LF	2,680	\$ 2.50	\$ 6,700
SILT FENCE DELIVERED, INSTALLED AND MAINTENANCE	SY	4,764	\$ 1.50	\$ 7,147
LAWN REPLACEMENT	LF	30	\$ 3.80	\$ 114
SAWING	EA	7	\$ 300	\$ 2,100
ADJUST VALVE BOX	L.F.	30	\$ 40	\$ 1,194
CONCRETE CURB AND GUTTER, 30-INCH, TYPE D	S.F.	120	\$ 7	\$ 816
CONCRETE SIDEWALK AND DRIVEWAY, 6"	EACH	6	\$ 150	\$ 900
INLET PROTECTION				\$ 169,000
<b>SUBTOTAL</b>				<b>\$25,000</b>
CONTINGENCY - 15%				\$25,000
ENGINEERING - 15 %				\$ 219,000
<b>STREET COSTS</b>				

20-YEAR ELECTRICAL COSTS

ITEM	UNIT	QUANTITY	UNIT PRICE	COST
ELECTRICAL CONSUMPTION	\$/YEAR	20	\$ 590	\$12,000
PEAK ELECTRICAL DRAW	\$/YEAR	20	\$ 2,010	\$40,000
ELECTRICAL CUSTOMER FEE	\$/YEAR	20	\$ 504	\$10,000
OPERATION AND MAINTENANCE COSTS				\$ 62,000

**ADDITIONAL CONSTRUCTION COSTS TO APPENDIX A** **\$ 1,149,000**

\\sehb\projects\KOC\Onalaska\134029\Pressure Zone Tables and Figures\Appendix B Option Cost Estimates.xlsx\B-7.



Path: P:\K\O\O\m\1134029\Pressure Zone Tables and Figures\Figure B-7 Country Club Location 1.mxd



SEH, Inc.  
312 South 3rd Street  
Phone: (608) 782-3181  
FAX: (608) 806-6166  
TF: (800) 325-2055  
www.sehinc.com

Project: ONALA 134029  
Print Date: 10/21/2015  
Map by: jpknerf  
Projection: NAD\_1983\_StatePlane\_Wisconsin\_South\_FIPS\_4900\_Feet  
Source: City of Onaska GIS

**OPTION 7: COUNTRY CLUB  
& TANK LOCATION 1  
GREENS' COULEE PRESSURE ZONE**

Figure B-7

This map is neither a legally recorded map nor a survey map and is not intended to be used as one. This map is a compilation of records, information, and data gathered from various sources GIS4 on this map and is to be used for reference purposes only. SEH does not warrant that the Geographic Information System (GIS) data used to prepare this map are error free, and SEH does not represent that the GIS Data can be used for navigation, tracking, or any other purpose requiring exacting measurement of distance or direction or precision in the depiction of geographic features. The user of this map acknowledges that SEH shall not be liable for any damages which arise out of the user's access or use of data provided.

# **STAFF REVIEW SUMMARY**

## **CITY OF ONALASKA BOARD OF PUBLIC WORKS**

January 5, 2016

**Agenda Item:**

**#6**

**Project/Item Name:**

**Sidewalk Replacement program**

**Location:**

**Citywide**

**Requested Action:**

**Discussion on policy of sidewalk replacement costs due to boulevard trees**

**Staff Report/Description:**

**City staff inspects sidewalks on a seven year rotation. As most sidewalks have been inspected many of the current defects found are raised sidewalks due to trees. Current City policy is the property owner pays for sidewalk repairs. Boulevard trees in good health are not removed due to heaving of the sidewalk. Property owners are requesting changes to current City policy of having to pay for sidewalk repairs due to a City owned boulevard tree.**

**Attachments:**

**Survey results, City attorney opinion**

## City of Onalaska 2016 January Board of Public Works Meeting

### Sidewalk Repairs Policies for Similar Sized Communities to Onalaska in Wisconsin

Municipality (population)	Abutting Property Owner Pays for all Sidewalk Repairs	Comments
City of Chippewa Falls (13,700)	Yes	
City of Marshfield (18,750)	Yes	
City of Verona (10,600)	Yes	
City of Middleton (17,400)	Yes	
Village of Howard (18,600)	No	Howard pays for all sidewalk repairs. Property owner only required to perform snow removal.
City of De Pere (24,300)	No	De Pere pays for damage to sidewalk by City terrace trees. Property Owner pays for all other sidewalk repairs.
City of La Crosse (51,500)	No	La Crosse pays for 25% of repair costs up to \$250 (single frontage) and \$550 (double frontage) for each property.

## Holter, Jarrod

---

**From:** Amanda Jackson <ajackson@lacrosselaw.com>  
**Sent:** Wednesday, October 14, 2015 10:07 AM  
**To:** Holter, Jarrod  
**Cc:** City Attorney  
**Subject:** FW: October BOPW's item #5 - sidewalk replacement due to boulevard trees  
**Attachments:** 20151013171754.pdf; ATT00001.htm

Hi Jarrod,

The City does not have a duty to pay for the sidewalks damaged by City boulevard trees. Some municipalities do elect to offer a discount for residents when the damage is caused by City owned trees and others do cover the total cost but an equal number simply require the homeowner to pay for the sidewalks regardless as the City of Onalaska does. One compromise the City of Madison offers its residents is that within certain specifications set by the City, residents may use mudjacking or grinding to attempt to prolong the life of their sidewalk, at the resident's own cost with the caveat that if the sidewalk becomes damaged during the process it must then be replaced at the resident's cost.

Amanda Halderson Jackson | Attorney



---

**From:** Sean O'Flaherty  
**Sent:** Tuesday, October 13, 2015 5:24 PM  
**To:** Amanda Jackson  
**Subject:** Fwd: October BOPW's item #5 - sidewalk replacement due to boulevard trees

Sent from Sean O'Flaherty's iPhone

Begin forwarded message:

**From:** "Holter, Jarrod" <jholter@cityofonalaska.com>  
**Date:** October 13, 2015 at 5:21:53 PM CDT  
**To:** Sean O'Flaherty <soflaherty@lacrosselaw.com>  
**Subject:** October BOPW's item #5 - sidewalk replacement due to boulevard trees

Sean,

At the recent BOPW's meeting we had discussion on City owned boulevard tree roots causing the sidewalk to heave. The City sends out notices that the homeowner must fix this as state in the ordinance 6-2-2 (b). We also will not take the City owned boulevard tree down if it is deemed to be in good condition. The debate was whether the City should pay the cost of sidewalk repairs in this instance. The Board of Public Works question is does this open the City for any liability? We discussed that this would have a budgetary impact if the City was to pay for these repairs.

I have attached a scan of the minutes with some items highlighted. Also we are sending out the assessments for work being performed currently, I am assuming if this was changed it would not take effect until the next set of sidewalk inspections next year?

I will be putting this item back on the November Board of Public works for further review. Can you please have comments back to me by Monday October 26<sup>th</sup>, 2015.

Thank you,

**C. Jarrod Holter, P.E.**  
City Engineer

City of Onalaska  
(608)781-9537  
[jholter@cityofonalaska.com](mailto:jholter@cityofonalaska.com)

---

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# **STAFF REVIEW SUMMARY**

## **CITY OF ONALASKA BOARD OF PUBLIC WORKS**

January 5, 2016

**Agenda Item: #7**

**Project/Item Name: Sand Lake Road Mayo Project**

**Location: Sand Lake Road**

**Requested Action: Approval of application & Resolution**

**Staff Report/Description: Staff has been working with the Wis. DOT for access into the Mayo Sand Lake Road parcel. As part of this work the attached permit and Resolution must be prepared and submitted.**

**Attachments: Application & Resolution 2-2016**

**RESOLUTION 2-2016**

**RESOLUTION TO APPROVE APPLICATION FOR CONNECTION TO STATE TRUNK HIGHWAY**

WHEREAS, the City of Onalaska desires a public street connection to Sand Lake Road within the City of Onalaska and

WHEREAS, the Wisconsin Department of Transportation has acquired access rights for this frontage to Sand Lake Road; and

WHEREAS, the City of Onalaska is requesting such access through the application of Wisconsin Department of Transportation Application for Connection to State Trunk Highway for DT 1504; and

NOW, THEREFORE, BE IT RESOLVED, that the City of Onalaska hereby authorizes the submission of the application for access along Sand Lake Road from the Wisconsin Department of Transportation and authorizes Jarrod Holter, City Engineer to act on behalf of the City to sign and submit the application and respond to any requests for information and undertake, direct and complete any items required by the Wisconsin Department of Transportation with respect to the application review and approval process.

Dated this 12th day January, 2016.

CITY OF ONALASKA

By: \_\_\_\_\_  
Joe Chilsen, Mayor

By: \_\_\_\_\_  
Caroline Burmaster, Clerk

PASSED:  
APPROVED:  
PUBLISHED:



## **CITY OF ONALASKA**

415 MAIN STREET  
ONALASKA, WISCONSIN 54650-2953  
[www.cityofonalaska.com](http://www.cityofonalaska.com)

**Engineering/Public Works Dept.**

PHONE: (608) 781-9537

FAX: (608) 781-9506

**COPY**

December 21, 2015

Wisconsin Department of Transportation  
SW Region – La Crosse Office  
Attn: Mr. Dale Oestreich  
3550 Mormon Coulee Road  
La Crosse, WI 54601

Dear Mr. Oestreich:

The City of Onalaska is requesting the review of the enclosed Application For Connection To State Trunk Highway, form DT 1504. This request is for a City street connection along Sand Lake Road within the USH 53 access control area.

Your office has in its possession the latest Traffic Impact Analysis for the site, dated August 7, 2015, for your use in conjunction with this application. Questions #24 and 25 request access easement documents I believe you have already located for this site therefore I have not attached this documentation. As the plans for this project progress the City will submit final plans of the proposed access and deeds for the right of way as it transferred.

Please be aware that this access is part of a larger regional development that has not been finalized as of this date. The permit request instructions state the permit request should be no longer than one year from the date of issuance but the City is requesting a minimum two year permit due to the unknown project timeline.

The City of Onalaska is optimistic that this request can be looked upon positively with the materials and data submitted. If you have any further questions please contact me at [jholter@cityofonalaska.com](mailto:jholter@cityofonalaska.com) or 608-781-9537.

Sincerely,

C. Jarrod Holter, P.E.  
City Engineer

## APPLICATION/PERMIT FOR CONNECTION TO STATE TRUNK HIGHWAY

Wisconsin Department of Transportation (WisDOT)  
 DT1504 4/2009 s. 86.07(2) Wis. Stats. & Ch. Trans 231 Wis. Adm. Code

- This form is an application for permission for a STH Connection. If approved, the permit does **not** create a right of access or access easement for the property.
- If the property has any legal restrictions that prohibit access to a state trunk highway (STH), WisDOT cannot approve a STH connection permit for the property.
- Please type or print neatly in ink. Fill out the required information on both sides of this form per the instructions. One form is required per connection. For more information, visit: [www.dot.wisconsin.gov/business/rules/property-permits.htm](http://www.dot.wisconsin.gov/business/rules/property-permits.htm)
- Please provide a copy of the property deed with all applications.

WisDOT OFFICE INFORMATION Wisconsin DOT SW Region - Madison Office 2101 Wright St. Madison, WI 53704	Document Identification Number:
--	---------------------------------

APPLICANT INFORMATION 1. Applicant Name and Mailing Address - Street/PO Box, City, State, ZIP Code City of Onalaska Attn: C. Jarrod Holter, City Engineer 415 Main Street Onalaska, WI. 54650	2. Property Owner Name / Address (if not applicant) Mayo Clinic 200 First St SW Rochester, MN 55905  3. If Not Property Owner, Reason for Application Proposed City street connection
--	---

CONNECTION LOCATION INFORMATION 4. Highway Number(s) USH 53/Sand Lake	5. County La Crosse	6. <input checked="" type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Town of Onalaska	7. Side of the Highway <input type="checkbox"/> North <input type="checkbox"/> South <input checked="" type="checkbox"/> East <input type="checkbox"/> West
8. Located within the SW Quarter, of the SE Quarter, Section 33, Town 17N North, Range 7W		9. Fire or Street Number (if applicable) 1240 Sand Lake Road	
10. Name of Nearest Side Road from Location Distance and Direction from Side Road USH 53 North bound off ramp terminal <span style="margin-left: 50px;">950 feet</span> <span style="margin-left: 50px;">N</span> <small>(Feet or Miles) (N, S, E, W)</small>		11. How far is the location from the nearest non-side road connection on the same highway? <span style="float: right;">N/A</span> <small>(Feet or Miles)</small>	
Log Mile or Reference Point (Filled in by WisDOT):			

CONNECTION TYPE INFORMATION 12. Proposed Activity (Check one) <input checked="" type="checkbox"/> Construct New <input type="checkbox"/> Alter Existing <input type="checkbox"/> Remove Existing <input type="checkbox"/> Permit Existing	13. Proposed Use (Check one - See instructions for category description) <input type="checkbox"/> Urban - Commercial/Industrial <input type="checkbox"/> Rural - Agricultural <input type="checkbox"/> Urban - Residential <input checked="" type="checkbox"/> Public Road <input type="checkbox"/> Rural - Commercial/Industrial <input type="checkbox"/> Trail or Trail Crossing <input type="checkbox"/> Rural - Residential Is this a change of the existing use (if applicable)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	16. Proposed Trips Per Day (Check one) <input type="checkbox"/> Seasonal <input type="checkbox"/> 101-1000 <input type="checkbox"/> 1-50 <input checked="" type="checkbox"/> Over 1000 <input type="checkbox"/> 51-100 Peak hour traffic count: 1,202
14. Proposed Width: 32		15. Proposed Surface: asphalt
QUESTIONS 17-27 on BACK PAGE		

All connections have restrictions, which include the information preprinted and filled-in on this application along with any conditions, covenants, supplemental provisions, superimposed notes, and detail drawings added by WisDOT. The applicant shall be responsible for complying with these restrictions along with the construction and maintenance of the connection. It is further understood that WisDOT's approval is subject to applicant's full compliance with relevant state statutes and administrative rules, plus any laws, codes, rules, regulations, ordinances and permit requirements of other jurisdictional agencies. The alteration of this form by the applicant is prohibited. Under s. 86.073 Wisconsin Statutes, WisDOT's permit denial or revocation may be appealed.

The applicant affirms that all information provided on and submitted with this form is correct and complete. Providing incorrect or incomplete information may result in permit denial or revocation as well as criminal prosecution under s. 946.32 Wisconsin Statutes.

*C. Jarrod Holter* 12-18-2015  
(Property Owner or Authorized Representative) (Date)  
(If Computer-filled, Brush Script Font)  
 608-781-9537 jholter@cityofonalaska.com  
(Area Code and Telephone #) (E-mail address if available)

**FOR OFFICIAL WISDOT USE ONLY - DO NOT WRITE BELOW THIS LINE**

THE FOLLOWING SUPPLEMENTAL PROVISIONS APPLY

<input checked="" type="checkbox"/> Permit APPROVED (THIS PERMIT IS REVOCABLE) <input type="checkbox"/> Permit DENIED <input type="checkbox"/> Application DISMISSED	
X <small>(WisDOT Authorized Representative) (Date)</small> <small>(If Computer-filled, Brush Script Font)</small>	
<input type="checkbox"/> Temporary permit. Expiration date:	
<input type="checkbox"/> This permit voids / replaces permit #	
<input type="checkbox"/> Shared connection	Co-user name: Related permit #

File:

17.  Yes  No Is the property zoned? Provide documentation from the jurisdictional zoning authority.

18. Explain how the land is currently being used: Currently Agricultural use

19.  Yes  No Are you aware of any plan to change the zoning or land use for the property? If yes, explain. Request to alter to Medical District zoning

20.  Yes  No Is this connection for property that was part of a land division or assemblage created on or after 2/1/99? If yes, explain.

21.  Yes  No Do you own other property abutting the highway that is next to the property that this connection will serve? If yes, describe.

**Note 1: Answering "yes" to #20 or 21 may result in a Wis. Administrative Code Trans 233 review by WisDOT. If this is needed, the processing of your application may be delayed.**

22.  Yes  No Does the property abut or border another public road? If yes, provide the road's name. Riders Club Road

23.  Yes  No Are there any existing connections serving the property? If yes, how many? 1, Private field entrance

24.  Yes  No Are there any restrictions on the number, use, or location of connections to the property?

25.  Yes  No Are there any access easements across the property (recorded or unrecorded)?

**Note 2: If you answered "yes" to #24 or 25, provide a copy of all documents relevant to the restrictions and/or easements**

26. Provide the property tax identification number: 18-4528-0 and 18-4530-0

27. What is the proposed construction completion date for the connection? See Conditions of Issuance #9. December 31, 2017

FOR ANY NEW CONNECTION OR CONNECTION TO BE MOVED, APPLICANT SHALL PLACE A FLAG OR MARKER IN THE HIGHWAY DITCH OR FORESLOPE (VISIBLE FROM THE HIGHWAY) AT THE PROPOSED LOCATION.

#### CONDITIONS OF ISSUANCE

1. WisDOT reserves the right to make such changes, additions, repairs, relocations and removals within statutory limits to the connection or its appurtenances on the right-of-way as may at any time be considered necessary to facilitate relocation, reconstruction, widening, and maintenance of the highway, or to provide proper protection to life and property on or adjacent to the highway, or if alternative access to the property becomes available.

2. Except in cases where the indicated connection may be constructed by forces acting on behalf of WisDOT due to a highway improvement or maintenance project, the permittee shall do all of the following: (a) Furnish all materials, do all work, and pay all costs for the construction and maintenance of the connection and its appurtenances on the right-of-way. Materials used and the type and quality of the work shall be appropriate for the connection type specified in this permit; (b) Do all work without jeopardy to, or interference with, traffic using the highway; (c) Promptly restore to WisDOT's satisfaction and at least pre-existing conditions, highway surfaces, shoulders, ditches, vegetation, drainage appurtenances, guardrail, signs, electric conduits/cables, etc. disturbed by any work; (d) Maintain the connection and its appurtenances within the right-of-way limits, which includes keeping them in a proper state of repair, preventing the blockage or impairment of right-of-way drainage, and preventing aboveground obstacles to occur that could cause serious injury or death to a motorist in an errant vehicle; (e) Not disturb or cause the disturbance of any survey marker without the prior written approval of WisDOT.

3. The permittee, indicated on the reverse side, represents all parties in interest, and agrees that any connection or approach constructed by or for the permittee is for the purpose of obtaining access to the property (listed in #26) and not for the purpose of parking or servicing vehicles, or for advertising, storage, or merchandising of goods on the right-of-way.

4. The permittee shall not make any changes to the connection, its appurtenances, or adjacent right-of-way, including, without limitation, changes to the location (#4-11), use (#13), width (#14), surface (#15), or increase the number of trips per day (#16) approved by this permit without obtaining prior written approval from WisDOT. WisDOT will evaluate all potential highway impacts that may arise from the proposed change(s) and therefore, does not guarantee approval.

5. The permittee, successors or assigns agree to hold harmless the State of Wisconsin and its duly appointed agents and employees against any action for personal injury or property damage sustained by reason of the exercise of this permit.

6. WisDOT does not assume any responsibility for the removal or clearance of snow, ice or sleet, or the opening of windrows of such material upon any portion of any connection along any state trunk highway even though snow, ice or sleet is deposited or windrowed on said connection by its authorized representative engaged in normal winter maintenance operations.

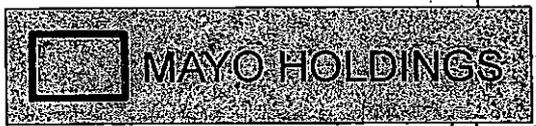
7. Under Wisconsin Administrative Rule Trans 401, the permittee shall implement proper erosion control and storm water management measures at all times during work operations and upon completion of the connection to protect all restored areas until the replacement vegetation achieves sustained growth.

8. Rock, asphalt, concrete, timber or other embankment retention or marking treatments for the connection are prohibited.

9. If the permitted work has not been started by the construction completion date, this permit is null and void. If the work has been started but is not finished by the construction completion date, no additional work shall be done unless authorized through an approved written time extension or a subsequent permit from WisDOT. Accomplishment of any part of the work shall verify agreement by the permittee to conform to this permit and to be bound by all of its requirements, restrictions, and obligations, all of which shall continue to be in full force and effect. WisDOT does not guarantee the approval of a time extension or subsequent permit since the conditions WisDOT based its permit approval upon may have changed between the permit approval date and time extension request date.

THANNE PL

SUPERIOR ST



RIDERS CLUB RD

SAND LAKE RD  
ZONING - A1

18-4524-0

SAND LAKE RD

18-4528-0

SAND LAKE RD  
ZONING - A1

53

Proposed Mayo Entrance -  
Approximately 950ft North  
of Off Ramp

18-4530-0

1240  
SAND LAKE RD  
ZONING - M1

20TH AVENUE  
PARK PL

SUNSET PL

TERRACE DR

18-4501-0

COUNTY ROAD S  
ZONING - A1

VILAS ST

TROY ST

TRADE PL

VENTURE PL



1 in = 400 ft

GIS Dept

Map Designer: Joe Bairstow  
Date: 12/18/2015

This map is to be used for reference purposes only. Every effort has been made to make this map as accurate as possible.

# **STAFF REVIEW SUMMARY**

## **CITY OF ONALASKA BOARD OF PUBLIC WORKS**

January 5, 2016

**Agenda Item: #8**

**Project/Item Name: Well #9 reconstruction**

**Location: Well #9**

**Requested Action: Approval of Change order #2**

**Staff Report/Description:** A number of changes have occurred during the construction of the Well #9 project. Change order #2 outlines those changes. The most notable is the addition of fire sprinkler system needed in the attic area of the building.

**Attachments: Change order #2**

# Well #9 Reconstruction and Filter Addition

## CHANGE ORDER #2

Contract Date: May, 26, 2015

Owner: City of Onalaska  
Contractor: Olympic Builders General Contractors  
Contract/Project: Well #9 Reconstruction and Filter Addition

You are directed to make the following changes in the Contract Documents:

Description:

a) See Attached

Reason for Change Order:

a) See attached

### Change Order Request

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
Original Contract Price \$ 2,763,593.00	Original Contract Times: Contract Substantial Comp: January 31, 2016 Contract Final Comp: April 30, 2016
Net Increase from previous Change Orders: \$ 21,046.3	Net change from previous Change Orders: Contract Substantial Comp: 0 days Contract Final Comp: 0 days
Contract Price prior to this Change Order: \$ 2,784,639.30	Contract Times prior to this Change Order: Contract Substantial Comp: January 31, 2016 Contract Final Comp: April 30, 2016
Net Increase of this Change Order: \$ 49,428.67	Net Increase this Change Order: Contract Substantial Comp: 47 days Contract Final Comp: 34 days
Contract Price with all approved Change Orders: \$ 2,834,067.97	Contract Times with all approved Change Orders: Contract Substantial Comp: March 18, 2016 Contract Final Comp: June 3, 2016

APPROVED:  
City of Onalaska

APPROVED:  
Wisconsin Dept. of Natural Resources

ACCEPTED BY:  
Olympic Builders General Contractors

By: \_\_\_\_\_  
(Authorized Signature)

By: \_\_\_\_\_  
(Authorized Signature)

By: \_\_\_\_\_  
(Authorized Signature)

Date:

Date:

Date:

*This Effective Date of this Change Order is the date when approved by all parties.*

## **Well #9 Reconstruction and Filter Addition**

### **Change Order # 2 Descriptions**

#### **Manual Gear Operated Hand Wheel Overrides (\$4,025.70 increase to project)**

Hand wheels were added to all filter function valves to be able to manually operate the filter in the event of equipment or electronic failure. Hand wheels are not required by code, but are a good measure of redundancy.

#### **Interior Plumbing for Effluent Sampling Tap (\$3,437.70 increase to project)**

There was a discrepancy in the contract drawings for the installation and routing of the effluent sampling line for the filter. The keynote on a mechanical contract drawing sheet for the effluent sampling line calls out the line to be routed to the sampling sink, but also calls out a layout to be provided in the plumbing contract drawing sheets that was not provided. Contractor did not include any cost for routing this sample line in bid because line layout was not provided per keynote.

#### **Price Increase Due to Up Sizing of Generator Exhaust (\$1,873.72 increase to project)**

Generator exhaust piping size and location have been changed from what was originally shown on the contract drawings. Size of the exhaust pipe was changed by the generator manufacturer and per the contract specifications the contractor was to coordinate the exhaust size with the manufacturer so no additional payment was made. The location of the exhaust was also changed from what was shown on the contract drawings to relieve equipment congestion and provide better access for maintenance. Submitted cost of \$3747.75 was divided by two for a total of \$1,873.72 since only the location change was approved and not the sizing increase.

#### **Credit to Delete Plywood on Exterior (\$1,647.00 decrease to the project)**

Based the manufacturer's installation instruction for the fiber cement siding the exterior plywood called out on the contract drawings was redundant and could be delete.

#### **Well Pump Rebuild (\$16,266.60 increase to project)**

The well pump contractor was required to perform an inspection of the existing well pump, piping, and motor per the contract specifications. The inspection found deficiencies in the existing well pump piping and the existing pump bowl assembly. The pump bowl assembly had a hole in it and multiple metal fatigue locations. The existing pump bowl assembly is obsolete and replacement parts can no longer be found. A new pump bowl assembly and pipe deficiencies need replacement.

#### **Fire Protection Dry System for Attic Space (\$25,471.95 increase to project)**

Well #9 was designed with concrete walls and precast concrete ceilings for all rooms with wood trusses for the roof. The state review for the fire protection plan is requiring fire protection to be added to the attic space created by the wood trusses of the building. Since this is not a heated space a dry fire protection system is needed to be installed.



July 13, 2015

email

City of Onalaska  
415 Main Street  
Onalaska, WI 54650

Attn: Kevin Schubert

Re: Onalaska Well # 9 Reconstruction  
860 11th Avenue South  
Onalaska, WI 54650

**Manual Gear Operated Hand wheel Overrides**

Price is for Tonka Water Systems Scope to add as stated in the following attachment. This is per Strand Associates Comments on initial submittal from Tonka.

Tonka Water Systems	add	\$	3,834.00
5% P & O	add	\$	191.70
Total	add	\$	<u>4,025.70</u>

Sincerely

Justin Yahnke

Attachment



Trusted systems. Resourceful thinking.

6-11-15

Justin Yahnke  
Site Superintendent  
Olympic Builders

RE: Change Order Request #1 for Manual Gear Operated Handwheel Overrides

Dear Mr. Yahnke:

Per the Engineers initial comments of the Tonka Water Submittal. They indicated that it was their intention that the Filter Function Valves for the Tonka Water Horizontal Pressure Filter have gear operated manual overrides on them. Unfortunately this was not captured in the specification, and during the sales process Tonka water did not estimate for this feature. On Bray Pneumatic valves the override is an option which would require additional cost above what was estimated.

The cost of the Change Order Request includes the following items which must be completed in order to accommodate the end users request:

- Procure the additional gear operated overrides for the Filter Function Valves from the manufacturer (Bray).
- Revise Shop drawings to model overrides into the design. Performed by Tonka Water Drafting Department.
- Project Management time to incorporate the change into overall project scope and manage Tonka Water staff and the supplier through procurement, production, and delivery.

Price for accommodating changes to drawings, procuring new materials, coordinating changes with suppliers, and managing the overall scope of the change order will be \$3,834.

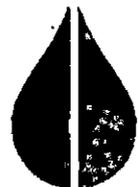
I look forward to your reply and please contact me anytime with questions or concerns.

Sincerely,

Doug Reeves  
Senior Project Manager

Tonka Water™  
13305 Watertower Circle  
Plymouth, MN 55441  
USA

Main 763.559.2837  
Fax 763.559.1979



WWW.TONKAWATER.COM

**Olympic Builders**  
GENERAL CONTRACTORS, INC.

July 28, 2015

email

City of Onalaska  
415 Main Street  
Onalaska, WI 54650

Attn: Kevin Schubert

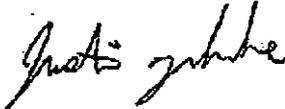
Re: Onalaska-Well # 9 Reconstruction  
860 11th Avenue South  
Onalaska, WI 54650

**Interior Plumbing for Effluent Sampling Tap**

Price is for routing line from where it enters the building near the effluent line on the Northeastern end of the building to the sink at the southeastern corner. Sheet 8 note 13 states to refer to sheet P1.1 for layout. Sheet P 1.1 does not show routing piping to sink.

Hengel Brothers, Inc. (attached)	\$ 3,215.00
1 hr. site formen	\$ 59.00
Subtotal	<u>\$ 3,274.00</u>
5% P & O	\$ 163.70
Total	<u>\$ 3,437.70</u>

Sincerely,



Justin Yahnke

Attachment

Print Form

# Proposal

Page No.  of  Pages



**HENGEL BROTHERS, INC.**  
2302 South Avenue  
LA CROSSE, WISCONSIN 54601  
Phone: (608) 788-8080  
Fax: (608) 788-6753



Proposal Submitted To: Olympic Builders Phone \_\_\_\_\_ Date 7-27-15  
 Street \_\_\_\_\_ Job Name Well No. 9  
 City \_\_\_\_\_ Job Location Onalaska, WI  
 State \_\_\_\_\_ Zip Code \_\_\_\_\_ Job Phone \_\_\_\_\_  
 Architect \_\_\_\_\_ Date of Plans \_\_\_\_\_

We hereby submit specifications and estimates for: \_\_\_\_\_

Labor and materials to install a 3/4" K copper finish water sample tap water line starting 5' underground from the building, run above ground at the ceiling of the filter room and terminate with a smooth end sample tap a the sink.

Materials \$ 655.00

Labor \$ 1,282.00

Pipe insulation \$ 1,278.00

Total Add to our contract \$ 3,215.00

We Propose hereby to furnish material and labor -- complete in accordance with the above specifications, for the sum of:

\_\_\_\_\_ dollars (\$ \_\_\_\_\_ )

Payment to be made as follows: as per our contract

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.

**Acceptance of Proposal** – The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Date of Acceptance: \_\_\_\_\_

Authorized Signature Joseph D Hengel

Note: This proposal may be withdrawn by us if not accepted within  days.

Signature \_\_\_\_\_

Signature \_\_\_\_\_

## Schubert, Kevin

---

**From:** Schubert, Kevin  
**Sent:** Tuesday, August 04, 2015 5:01 PM  
**To:** 'justin.yahnke@olympicbuildersgc.com'  
**Cc:** Holter, Jarrod; Justin Bilskemper; Joe Hengel; Olympic Builders  
**Subject:** RE: Onalaska well #9 RFCO Effluent sampling tap interior line 7.28.15  
**Attachments:** RFCO Effluent sampling tap interior line 7.28.15.pdf

Justin,

The attached cost of \$3,437.70 for routing the finished water sampling to the sink in the southeastern corner is acceptable. The City is approving this based on the discrepancy in the keynote for the finish water sampling line found on plan sheet #8 that instructs the contractor where the sampling line will terminate, but also indicates a layout in the plumbing section that does not exist.

The City also reviewed the keynote for the raw water sampling line on sheet #14. This keynote identifies the sampling line and instructs the contractor where to terminate the line. The City believes that not discrepancy exists in this keynote and expects that this line be placed with similar materials as the finished sampling line and at no additional cost to the project.

Please review and let me know if you have any questions or comments.

Thanks,  
Kevin

**Kevin Schubert, P.E.**  
Assistant City Engineer

City of Onalaska  
415 Main St.  
Onalaska, WI 54650  
Cell: 608-769-6061  
Office: 608-781-9537  
Fax: 608-781-9506

**From:** [justin.yahnke@olympicbuildersgc.com](mailto:justin.yahnke@olympicbuildersgc.com) [mailto:[justin.yahnke@olympicbuildersgc.com](mailto:justin.yahnke@olympicbuildersgc.com)]  
**Sent:** Tuesday, July 28, 2015 1:29 PM  
**To:** Schubert, Kevin  
**Cc:** Holter, Jarrod; Andy Mullendore; Justin Bilskemper; Joe Hengel; Olympic Builders  
**Subject:** Onalaska well #9 RFCO Effluent sampling tap interior line 7.28.15

Kevin,  
attached is our RFCO for sampling tap interior line to be routed to the sink on the southeastern corner. This is per RFI #8

**Olympic Builders**  
GENERAL CONTRACTORS, INC.

September 30, 2015

email

City of Onalaska  
415 Main Street  
Onalaska, WI 54650

Attn: Kevin Schubert

Re: Onalaska Well # 9 Reconstruction  
860 11th Avenue South  
Onalaska, WI 54650

**Price increase due to up sizing of Generator Exhaust**

The plans do not indicate size of exhaust. Generator Company indicated at bid time that it was to be a 6" exhaust which is the way Hengel Brothers priced it. Per conversations at Progress meeting #2 and the returned submittal, the exhaust is 10". Below is Hengel's Brothers price to change to 10" and also as discussed at the Progress meeting, turning the exhaust and going out the North Wall. This is due to the exhaust line as shown on the plans, would be in the louver/lintel on the west wall.

Hengel Brothers, Inc. (attached)	\$ 3,510.00
1 hr. site foreman	\$ 59.00
Subtotal	<u>\$ 3,569.00</u>
5% P & O	\$ 178.45
Total	<u>\$ 3,747.45</u>

$$\$3,747.45 \div 2 = \underline{\underline{\$1,873.72}}$$

Sincerely,



Justin Yahnke

Approved   
KJS  
12-23-15

Attachment



# Proposal

Page No. 1 of 1 Pages



**HENGEL BROTHERS, INC.**  
2302 South Avenue  
LA CROSSE, WISCONSIN 54601  
Phone: (608) 788-8080  
Fax: (608) 788-6753



Proposal Submitted To: <u>Olympic Builders</u>	Phone _____	Date <u>Sep 25, 2015</u>
Street <u>405 North Star Road</u>	Job Name <u>Onalaska Well No. 9</u>	
City <u>Holmen</u>	Job Location <u>Onalaska WI</u>	
State <u>WI</u> Zip Code <u>54636</u>	Job Phone _____	
Architect _____	Date of Plans _____	

We hereby submit specifications and estimates for: Attn: Justin Yahnke

Additional materials and labor to install 10" round exhaust pipe between the generator and muffler and from the muffler to the exterior of the building. Includes addition of 90 degree elbow required to discharge the exhaust out the north wall of the generator room as discussed during construction meeting No. 2. Also includes a 10 x 6 reducer required to make the connection between the 6" generator connection and the 10" connection to the muffler.

NOTE: Plans do not indicate an exhaust pipe size. The plans scale a 4" exhaust pipe. We bid the project based on a 6" exhaust connection to the generator. We received this information based on a conversation prior to bidding with the generator manufacturer who indicated the generator exhaust connection to be 6".

Additional Materials Cost:	\$ 1,756.00
Additional Labor Cost associated with larger pipe size.	\$ 1,287.00
Additional Insulation Cost associated with larger pipe size.	
Insulation Sub: \$ 425.00 + \$ 42.00 P.O. =	\$ 467.00
<b>Total Additional Cost:</b>	<b>\$ 3,510.00</b>

We Propose hereby to furnish material and labor – complete in accordance with the above specifications, for the sum of:  
Three Thousand Five Hundred Ten dollars (\$ 3,510.00 )

Payment to be made as follows: As work progresses

All materials guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.

**Acceptance of Proposal** -- The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Date of Acceptance: \_\_\_\_\_

Authorized Signature Steve Fedie

Note: This proposal may be withdrawn by us if not accepted within 30 days.

Signature \_\_\_\_\_

Signature \_\_\_\_\_



## ENGINEERING DEPARTMENT RFCO RESPONSE

CITY OF ONALASKA  
415 MAIN STREET  
ONALASKA, WISCONSIN 54650-2953

PHONE: (608) 781-9537  
FAX: (608) 781-9506  
[www.cityofonalaska.com](http://www.cityofonalaska.com)

DATE: 10-26-15

PROJECT: Well #9 Reconstruction and Filter Addition

DESCRIPTION: RFCO – Generator Exhaust Pipe Upsizing

REVIEWED BY: KJS

The intent of the exhaust piping shown on plan sheet 31 was to show an approximate size and location for the generator exhaust piping. Specification sections 16230 and 15575 clearly state the exhaust piping size is to be coordinated with manufacturer. Contractor acknowledges that original sizing of six inch exhaust size was from manufacturer during bidding. During the shop drawing review generator exhaust was submitted as ten inches by the manufacturer. Any additional cost related to upsizing of exhaust piping should be worked out between the contractor and manufacturer.

As for the location of the exhaust piping leaving the generator room, the exhaust was originally shown leaving the west wall of the generator room but as been moved to the north wall as discussed on site and at progress meeting #2. City of Onalaska would be willing to pay half of the requested amount for this RFCO for the additional liner footage of pipe and fittings that are now needed to accommodate the new exhaust location. City would be willing to pay \$1,873.72 for this extra work.

## Schubert, Kevin

---

**From:** justin.yahnke@olympicbuildersgc.com  
**Sent:** Friday, December 18, 2015 9:27 AM  
**To:** Schubert, Kevin  
**Cc:** Olympic Builders; stevefedie@hengelbros.com; Joe Hengel  
**Subject:** FWD: RE: FWD: Cummins Contact Info [OW#9 exhaust upsizing]

Kevin,  
please see below from Hengel Brothers, they are accepting your response to our RFCO for the upsizing of the exhaust on the generator. please move forward with the change order as discussed



Justin Yahnke  
Site Superintendent  
Cell: 608-792-8969  
Office: 608-526-4622

----- Original Message -----

**Subject:** RE: FWD: Cummins Contact Info [OW#9 exhaust upsizing]  
**From:** "Steve Fedie" <stevefedie@hengelbros.com>  
**Date:** 12/17/15 3:01 pm  
**To:** [justin.yahnke@olympicbuildersgc.com](mailto:justin.yahnke@olympicbuildersgc.com)  
**Cc:** [joehengel@hengelbros.com](mailto:joehengel@hengelbros.com)

Justin:

We are going to accept the City of Onalaska's offer to pay for half of the cost to increase the generator exhaust vent size and relocated exhaust.

Thanks for your help and assistance.

Steve Fedie

Hengel Brothers

Ph: 608 788-8080



**Olympic Builders**  
GENERAL CONTRACTORS, INC.

October 28, 2015

email

City of Onalaska  
415 Main Street  
Onalaska, WI 54650

Attn: Kevin Schubert

Re: Onalaska Well # 9 Reconstruction  
860 11th Avenue South  
Onalaska, WI 54650

**Credit to delete plywood on exterior**

Credit is offered to delete the plywood that is on the exterior side of the block walls. Plywood is still needed for the gable end framing which is above the precast. The Fluid Applied Membrane will be installed onto the block from the foundation up to the precast. A wood framing Air Barrier (Tyvek) will be installed on the gable end sheeting. Tyvek will be sealed to Fluid Membrane which was discussed with Tailored Foam who installed Membrane.

Plywood	\$	(528.20)
19 hrs. labor @ \$66.90/hr.	\$	(1,271.10)
Air Barrier at Gable ends	\$	152.30
Total	\$	(1,647.00)

Sincerely,

Justin Yahnke  
Vice President

## Schubert, Kevin

---

**From:** justin.yahnke@olympicbuildersgc.com  
**Sent:** Wednesday, October 28, 2015 1:33 PM  
**To:** Schubert, Kevin  
**Cc:** Olympic Builders  
**Subject:** OW#9 RFCO Exterior sheeting credit 10/28/15  
**Attachments:** RFCO Exterior sheeting Credit 10.28.15.pdf

Kevin,  
attached is our credit for deleting the plywood sheeting on the block walls behind the siding. Plywood sheeting will still be needed on the gable ends.



Justin Yahnke  
Site Superintendent  
Cell: 608-792-8969  
Office: 608-526-4622



**Olympic Builders**

**GENERAL CONTRACTORS, INC.**

December 22, 2015

email

City of Onalaska  
415 Main Street  
Onalaska, WI 54650

Attn: Kevin Schubert

Re: Onalaska Well # 9 Reconstruction  
860 11th Avenue South  
Onalaska, WI 54650

**Well Pump Rebuild**

Price is for re-building existing pump as shown below by Municipal Well & Pump

Municipal Well & Pump	\$ 15,492.00
Subtotal	\$ 15,492.00
5% P & O	\$ 774.60
Total	<u>\$ 16,266.60</u>

Sincerely,

Justin Yahnke

Attachment



# MUNICIPAL WELL & PUMP

A Division of Marney Well Services, Inc.

December 9, 2015

Olympic Builders  
Attn: Justin Yanke  
405 North Star Rd.  
Holmen, WI 54636

**RE: Onalaska #9 Pump Materials**

Dear Justin,

Based on the pump equipment inspection, there are 40 feet of column pipe to replace, which unit pricing is itemized in the original bid form for 20 feet. The column pipe removed from the well was all 10-foot sections. The head pipe, and the section of column pipe directly above the pump bowls should be 5-foot sections to provide proper stability at the head and pump bowls. This will necessitate replacing one of the 10-foot sections of lineshaft with two 5-foot sections in the head and directly above the pump.

The shaft sleeves are grooved, and they should be replaced with the rubber bearings as normal wear parts. The bowl assembly suction nozzle has a hole worn through the casting. The pump is an obsolete model, and we cannot get a replacement suction nozzle for this assembly, and the other bowls are also starting to become soft, which means the pump will need to be replaced. In addition, the stuffing box needs to be rebuild due to excessive wear in the bronze bushing and packing. We are providing two options for the replacement bowls, with the pump curves, for the City to consider.

We are not sure, when the last time the motor was serviced, so we also providing pricing for a typical motor PM.

Please review the following scopes and their associated costs for the replacement and repair materials:

**I: Column Assembly Materials**

1. 1 15/16" x 5' 416 SS lineshaft with couplings: 2 @ \$355/each.....	<b>Total: \$ 710</b>
2. 1 15/16" x 2 1/18" x 7" 304 SS shaft sleeves: 11 @ \$56/each.....	<b>Total: \$ 616</b>
3. Rubber bearing inserts: 11 @ \$36/each.....	<b>Total: \$ 396</b>
4. Labor to remove sleeves and rubber bearings and install new sleeves and bearings:.....	<b>Lump Sum: \$ 450</b>
5. Furnish 12" column pipe (Item 16 on Bid Form): Additional 20 feet @ \$66/foot.....	<b>Total: \$ 1,320</b>

**II: Options**

1. American-Marsh 14WC 5-stage bowl assembly: Includes- Bronze wear rings, 416 SS collets, SS bolting, and O-ringed bowls (3000 GPM @ 310 TDH @ 1880 RPM).....	<b>Total: \$ 10,210</b>
2. Goulds 1414RHHC 4-stage bowl assembly: Includes- Bronze wear rings, 416 SS collets, and SS bolting (3000 GPM @ 310 TDH @ 1880 RPM):.....	<b>Total: \$ 12,000</b>
3. USEM 300 HP motor PM: Includes- Disassemble, inspect, test; Perform winding analysis tests; Wash & bake stator & parts; Check bear fits / tolerances; Replace bearings- thrust & ball; Balance rotor; Clean, re-assemble, test & paint; Fill with oil:.....	<b>Total: \$ 4,620</b>

Onalaska No. 9  
December 9, 2015  
Page 2

We trust you will find this correspondence to your understanding. Should you have any questions or concerns regarding this proposal, or if there is any other way we can be of assistance to your facility, please contact our offices at your earliest convenience. We appreciate this opportunity to provide you with this proposal, and look forward to the opportunity to provide Olympic Builders continued service on this project.

Sincerely,  
MUNICIPAL WELL & PUMP

*Marty Van Ells*

Marty Van Ells  
Project Manager

Company: Municipal Well & Pump  
 Name: Marty Van Ellis  
 Date: 12/10/2015

Customer: City of Onalaska  
 Order No:



**Pump:**

Size: 14RHHC (4 stage)  
 Type: Lineshaft  
 Synch speed: 1800 rpm  
 Curve: E6414RKPC0  
 Specific Speeds:  
 Dimensions:  
 Vertical Turbine:  
 Speed: 1770 rpm  
 Dia: 9.75 in  
 Impeller:  
 Ns: 3375  
 Nss: ---  
 Suction: ---  
 Discharge: ---  
 Bowl size: 14 in  
 Max lateral: 1 in  
 Thrust K factor: 16 lb/ft

**Search Criteria:**

Flow: 3000 US gpm  
 Head: 310 ft  
 Near miss: 1 % of Head

**Fluid:**

Water  
 SG: 1  
 Viscosity: 1.105 cP  
 NPSHa: ---  
 Temperature: 60 °F  
 Vapor pressure: 0.2563 psi a  
 Atm pressure: 0 psi a

**Motor:**

Standard: NEMA  
 Enclosure: WPI  
 Sizing criteria: Max Power on Design Curve  
 Size: 300 hp  
 Speed: 1800  
 Frame: 5006

**Pump Limits:**

Temperature: ---  
 Pressure: ---  
 Sphere size: 1.18 in  
 Power: ---  
 Eye area: ---

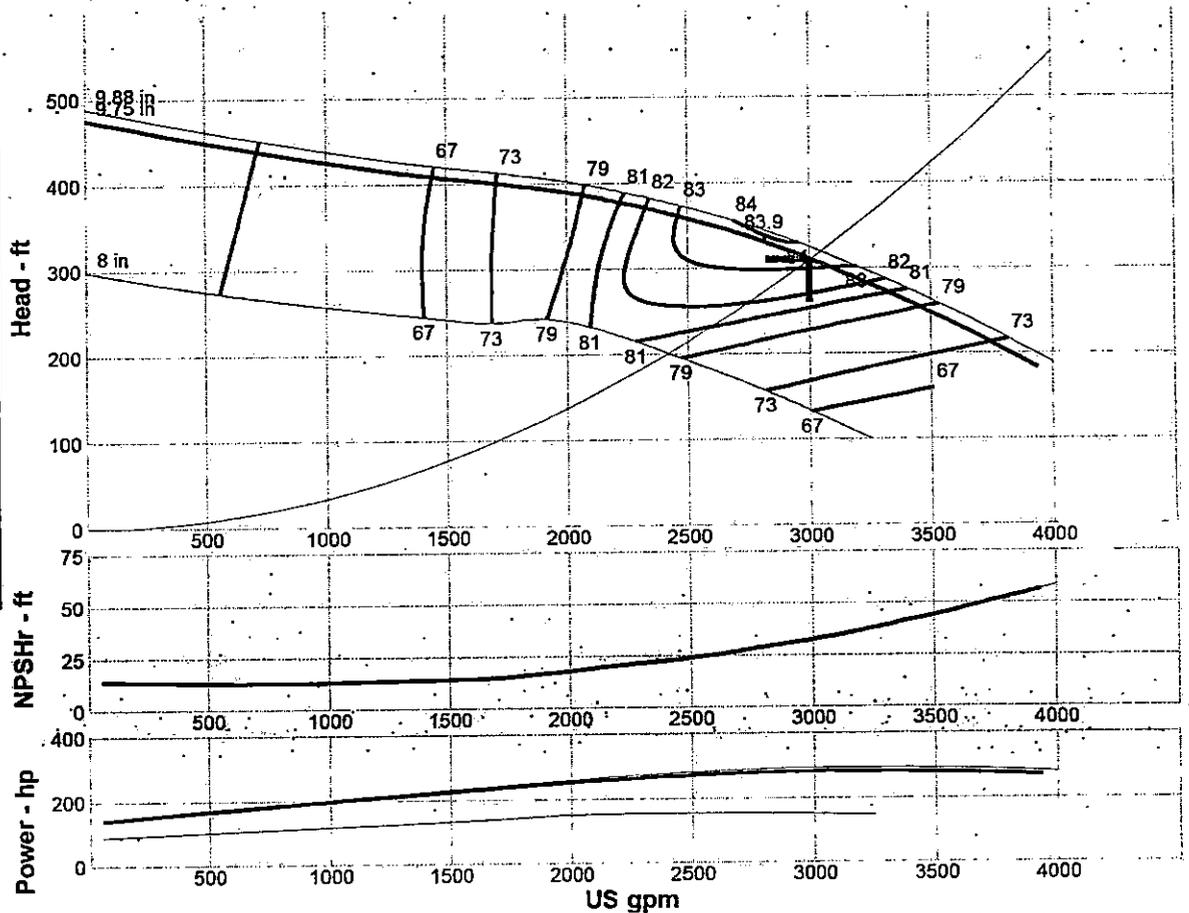
Data Point	
Flow:	3000 US gpm
Head:	310 ft
Eff:	83.3%
Power:	281 hp
NPSHr:	32.9 ft

Design Curve	
Shutoff head:	475 ft
Shutoff dP:	206 psi
Min flow:	703 US gpm
BEP:	83.9% @ 2814 US gpm
NOL power:	282 hp @ 3087 US gpm

Max Curve	
Max power:	293 hp @ 3193 US gpm



Suction Size-10" Discharge Sizes-10",12". Curves are certified for water at 60°F only. Consult factory for performance with any other fluid. Note: Contains unofficial Goulds Water Technology catalog content, not to be used for production.

**Performance Evaluation:**

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
3600	1770	232	75.9	277	47.1
3000	1770	310	83.3	281	32.9
2400	1770	366	82.6	268	22.9
1800	1770	396	74.6	241	16.2
1200	1770	419	56.3	207	14.2

RE: RE: Onalaska #9

Marty Van Ells [mvane@municipalwellandpump.com]

Sent: 12/22/2015 12:03 PM

To: justin.yahnke@olympicbuildersgc.com

Justin,

We're good on the pricing.

From: justin.yahnke@olympicbuildersgc.com [mailto:justin.yahnke@olympicbuildersgc.com]

Sent: Tuesday, December 22, 2015 12:02 PM

To: Marty Van Ells <mvane@municipalwellandpump.com>

Cc: Olympic Builders <office@olympicbuildersgc.com>

Subject: FWD: RE: Onalaska #9

Marty,

please see below from the City of Onalaska and verify that the dollar amounts are correct. we would like you to move forward with any parts that may have some long lead times. this will be on the next change order with the city which is set for January meeting.



Justin Yahnke

Site Superintendent

Cell: 608-792-8969

Office: 608-526-4622

----- Original Message -----

Subject: RE: Onalaska #9

From: "Schubert, Kevin" <kschubert@cityofonalaska.com>

Date: 12/22/15 11:59 am

To: "justin.yahnke@olympicbuildersgc.com" <justin.yahnke@olympicbuildersgc.com>

Cc: "Holter, Jarrod" <jholter@cityofonalaska.com>, "Olympic Builders" <office@olympicbuildersgc.com>, "Marty Van Ells" <mvane@municipalwellandpump.com>, "Mullendore, Andy" (Andy.Mullendore@strand.com) <Andy.Mullendore@strand.com>, "Prindle, Jim" <jprindle@cityofonalaska.com>, "Wiatt, John" <jwiatt@cityofonalaska.com>, "office@olympicbuildersgc.com" <office@olympicbuildersgc.com>

Justin,

After reviewing the suggestions made by Municipal Well & Pump after their inspection of the existing removed pump and motor from Well #9 the City has decided that we will move forward with all five suggestions listed under Section 1 Column Assembly Materials in the attached PDF for a total of \$3,492. The City will also accept the second items listed under Section 2 Options for a new Goulds pump assembly for a total of \$12,000. The total addition work for Municipal Well & Pump would be \$15,492.

If possible please verify this pricing with Municipal and let me know any additional markup that Olympic would include for your administration for a final total cost for this work to the Well #9 project.

Thanks,  
Kevin

Kevin Schubert, P.E.  
Assistant City Engineer

City of Onalaska  
415 Main St.  
Onalaska, WI 54650  
Cell: 608-769-6061  
Office: 608-781-9537

Fax: 608-781-9506

**From:** [justin.yahnke@olympicbuildersgc.com](mailto:justin.yahnke@olympicbuildersgc.com) [mailto:[justin.yahnke@olympicbuildersgc.com](mailto:justin.yahnke@olympicbuildersgc.com)]  
**Sent:** Thursday, December 10, 2015 10:24 AM  
**To:** Schubert, Kevin  
**Cc:** Holter, Jarrod; Olympic Builders; Marty Van Ells  
**Subject:** FWD: Onalaska #9

Kevin,  
please see attached from Municipal Well & Pump. this is there proposal for the rebuild of the pump/motor. this is NOT our official Request for change order, this is only for review. please let us know how you would like to proceed. Marty's cell # is 920-960-6517 if you have any questions.



Justin Yahnke  
Site Superintendent  
Cell: 608-792-8969  
Office: 608-526-4622

----- Original Message -----

**Subject:** Onalaska #9  
**From:** "Marty Van Ells" <[mvane@municipalwellandpump.com](mailto:mvane@municipalwellandpump.com)>  
**Date:** 12/10/15 9:16 am  
**To:** "[justin.yahnke@olympicbuildersgc.com](mailto:justin.yahnke@olympicbuildersgc.com)" <[justin.yahnke@olympicbuildersgc.com](mailto:justin.yahnke@olympicbuildersgc.com)>

Hi Justin,

Here is the proposal for the additional materials for Well #9. I have also attached the pump curves for the replacement pump options.

Let me know, if you have any questions.

Thanks,

Marty Van Ells

MUNICIPAL WELL & PUMP  
Po Box 311  
1212 Storbeck Drive  
Waupun, WI 53963

Cell: 920-960-6517  
PH: 920-324-3400  
FX: 920-324-3431

This email and any files transmitted with it are confidential and are intended solely for the use of the individual or entity to which they are addressed. If you have received this email in error, please respond to the sender and delete the material from any computer and/or server. The City of Onalaska is subject to Wisconsin Statutes relating to public records. Emails sent or received by City employees are subject to these laws. Unless otherwise exempted from the public records law, senders and receivers of City email should presume that the emails are subject to release upon request, and to state record retention requirements.



**Olympic Builders**  
GENERAL CONTRACTORS, INC.

December 23, 2015

email

City of Onalaska  
415 Main Street  
Onalaska, WI 54650

Attn: Kevin Schubert

Re: Onalaska Well # 9 Reconstruction  
860 11th Avenue South  
Onalaska, WI 54650

**Fire Protection Dry System for Attic Space**

Price is to Add Dry System to the Attic area for Fire Protection. This is per the state review

Monona Pluming & FP	\$ 24,200.00
1 Hr. Site Formen	\$ 59.00
Subtotal	\$ 24,259.00
5% P & O	\$ 1,212.95
Total	\$ 25,471.95

Sincerely,

Justin Yahnke

Attachment



## Monona Plumbing & Fire Protection, Inc.

December 23, 2015

Justin Yahnke  
Olympic Builders General Contractors Inc.  
405 North Star Rd  
Holmen, WI 54636  
PH 608-526-4622  
FX 608-526-4690

### Re: Fire Sprinkler System at: Well House #9 Change order

#### FP- Scope will include the following:

- Complete dry pipe sprinkler system to protect the wood framed attic.
- Includes design and installation drawings per NFPA-13.
- The pipe to be schedule 10 with a galvanized finish.
- A one (1) year warranty is included for our work in this proposal

**FP-Scope**

**NFPA-13 Price \$ 24,200.00**

#### **Exclusions:**

Performance, Payment Bonds,  
6" Underground piping, equipment or testing  
Painting, Patching or Ceiling tile repairs  
Cutting, Patching or Dumpster fees  
Work outside the hours of 7:00am to 4:00pm

Authorized Signature Phillip Prochaska

Date of Acceptance: \_\_\_\_\_

Signature: \_\_\_\_\_

PLUMBING • FIRE PROTECTION • UNDERGROUND UTILITIES • MECHANICAL • PREFABRICATION

608-273-4556 • [www.mononapfp.com](http://www.mononapfp.com) • 3126 Watford Way, Madison, WI 53713

MP #230677 AFCS #1031727 Federal Contractor ID #082812991 WI BRC #1095887





# Monona Plumbing & Fire Protection, Inc.

## Terms and Conditions

**Payment Terms:** Balance is payable within 30 days of receipt of invoice. Payments shall be mailed to: 3126 Watford Way  
Madison, WI 53713

**Default for Non Payment:** Owner agrees to pay Monona Plumbing & Fire Protection costs and expenses of collection, including reasonable attorney's fees.

**Non Payment:** If payment has not been received for any previous work completed, Monona Plumbing & Fire Protection has the right to decline service and responsibility under this agreement.

**Finance Charges:** Past due customers will be charged a finance charge at the periodic rate of one and one-half percent (1 1/2%) per month, which is an annual percentage rate of 18%, or a periodic rate not to exceed the maximum rate allowed by state law.

**Warranty:** OTHER THAN THE LIMITED WARRANTIES EXPRESSED BELOW AND TO THE EXTENT PERMITTED BY LAW, MONONA PLUMBING & FIRE PROTECTION EXPRESSLY DISCLAIMS ANY EXPRESS, IMPLIED OR STATUTORY WARRANTIES WITH RESPECT TO ANY MATERIALS, LABOR AND WORKMANSHIP SUPPLIED UNDER THIS AGREEMENT. ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED. UNDER NO CIRCUMSTANCES SHALL MONONA PLUMBING & FIRE PROTECTION BE LIABLE BY VIRTUE OF THIS WARRANTY OR OTHERWISE FOR DAMAGE TO ANY PERSON OR PROPERTY WHATSOEVER FOR ANY SPECIAL, INDIRECT, SECONDARY OR CONSEQUENTIAL DAMAGES OF ANY NATURE HOWEVER ARISING OUT OF THE SERVICES PERFORMED UNDER THIS AGREEMENT. Monona Plumbing & Fire Protection warrants all service/repair work performed against defects in materials and/or workmanship for a period of sixty (60) days from substantial completion of the work. Sewer and drain cleaning are excluded from this Warranty. In addition, Monona Plumbing & Fire Protection warrants all fixtures that are supplied and installed by Monona Plumbing & Fire Protection against defects (including parts and labor) for a period of one (1) year from substantial completion of the installation. Any fixtures, equipment or parts supplied and/or installed by others are not included in these warranties. If work is performed or modifications are made by anyone other than Monona Plumbing & Fire Protection to materials or equipment installed by Monona Plumbing & Fire Protection, this warranty will be null and void and Monona Plumbing & Fire Protection will be released from all liability with respect to the equipment and materials installed including any damages as a result thereof. These warranties do not apply to normal wear and tear, or to any damage caused by accident, misuse, abuse or failure to perform normal or routine maintenance. These warranties are effective only in the event of full payment for the work and are null and void unless full payment is timely made.

**Prime Contractor Notice of Lien Rights:** "As required by the Wisconsin construction lien law, claimant hereby notifies owner that persons or companies, performing, furnishing, or procuring labor, services, materials plans, or specifications for the construction on owner's land may have lien rights on owner's land and buildings if not paid. Those entitled to lien rights, in addition to the undersigned claimant, are those who contract directly with the owner or those who give the owner notice within 60 days after they first perform, furnish, or procure labor, services, materials, plans, or specifications for the construction. Accordingly, owner probably will receive notices from those who perform, furnish, or procure labor, services, materials, plans, or specifications for the construction, and should give a copy of each notice received to the mortgage lender, if any. Claimant agrees to cooperate with the owner and the owner's lender, if any, to see that all potential lien claimants are duly paid."

**Indemnity:** To the fullest extent permitted by law, the Owner shall indemnify and hold harmless the Contractor, Contractor's representatives, agents and employees from all claims, losses, damages and expenses, including attorney's fees arising out of or resulting from the performance of the work, provided that such claim, loss, damage or expense is caused in whole or in part by any negligent act or omission of the Owner, anyone directly employed by Owner or anyone for whose acts Owner may be liable.

**Fire Protection Only:** Monona Plumbing and Fire Protection will have no responsibility for the following so please read carefully. Where a required fire protection system or portion, thereof, is out of service for more than 10 hours in a 24-hour period (due to system leakage, interruption of water supply, frozen or ruptured piping and/or equipment failure), the Owner of the property shall arrange for one of the following:

- Evacuation of the building or portion of the building affected by the system out of service
- An approved fire watch
- Establishment of a temporary water supply
- Establishment and implementation of an approved program to eliminate potential ignition sources and limit the amount of fuel available to the fire
- Notify the local Fire Department
- Notify the insurance carrier, the alarm company, property owner/manager and other authorities having jurisdiction
- Notify the supervisors in the areas to be affected
- A tag impairment system has been implemented

PLUMBING • FIRE PROTECTION • UNDERGROUND UTILITIES • MECHANICAL • PREFABRICATION

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MP #230677 AFCS #1031727 Federal Contractor ID #082812991 WI BRC #1095887



# **STAFF REVIEW SUMMARY**

## CITY OF ONALASKA BOARD OF PUBLIC WORKS

January 5, 2016

Agenda Item: #9

Project/Item Name: Utility Billing Door alterations

Location: Public Works Facility

Requested Action: Approval of quote

Staff Report/Description: The Utility Billing Administrator is currently occupying space at the Public Works Facility that was not designed for multiple daily interactions with customers. As part of this project doorways will be moved to allow better customer access but still keep access to work areas restricted.

Attachments: Quotes

# Olympic Builders

GENERAL CONTRACTORS, INC.

<b>BID TO:</b> City Of Onalaska 415 Main Street Onalaska, WI 54650  ATTN: Steve Jackson	<b>DATE:</b> 12/1/2015
N/A	<b>JOB NAME:</b> Onalaska City Shop Reception Area
N/A	<b>LOCATION:</b> Onalaska, WI

**BID INCLUDES:**

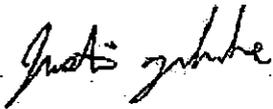
- Demolition
- All materials and labor for Doors/Frames and Casework as shown on attached sketch.
- We would recommend relocating the employee which works in this room for a week.
- We discussed swing the existing door into the hallway. It is cheaper to use the existing door in new Opening.

Demolition	\$225.00
Doors/Frames	\$325.00
Casework and Countertops	\$3,203.00
Masonry work	\$700.00
Miscellaneous framing and drywall	\$335.00
Labor	\$4,550.00
Subtotal	\$9,338.00
5% P & O	\$466.90
<b>Total</b>	<b>\$9,804.90</b>

**Bid Excludes:**

- Relocating any associated Fire Protection
- Relocating Generator annunciator
- Additional Door Hardware

Sincerely,



Justin Yahne  
Vice President

+ 750.- PASS THROUGH WINDOW

+ 750.- ADDITIONAL KEY PAD ACCESS FOR EMPLOYEE AREA

---

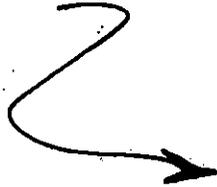
\$11,304.90

Date 11/19/15

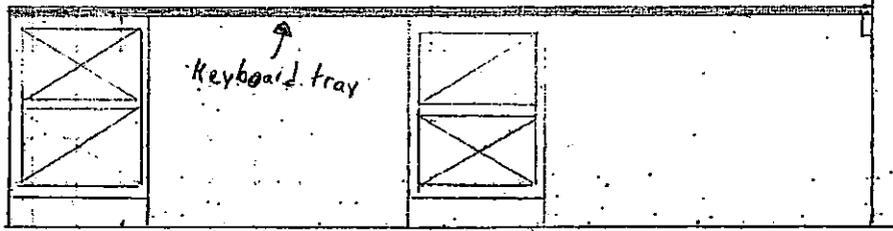
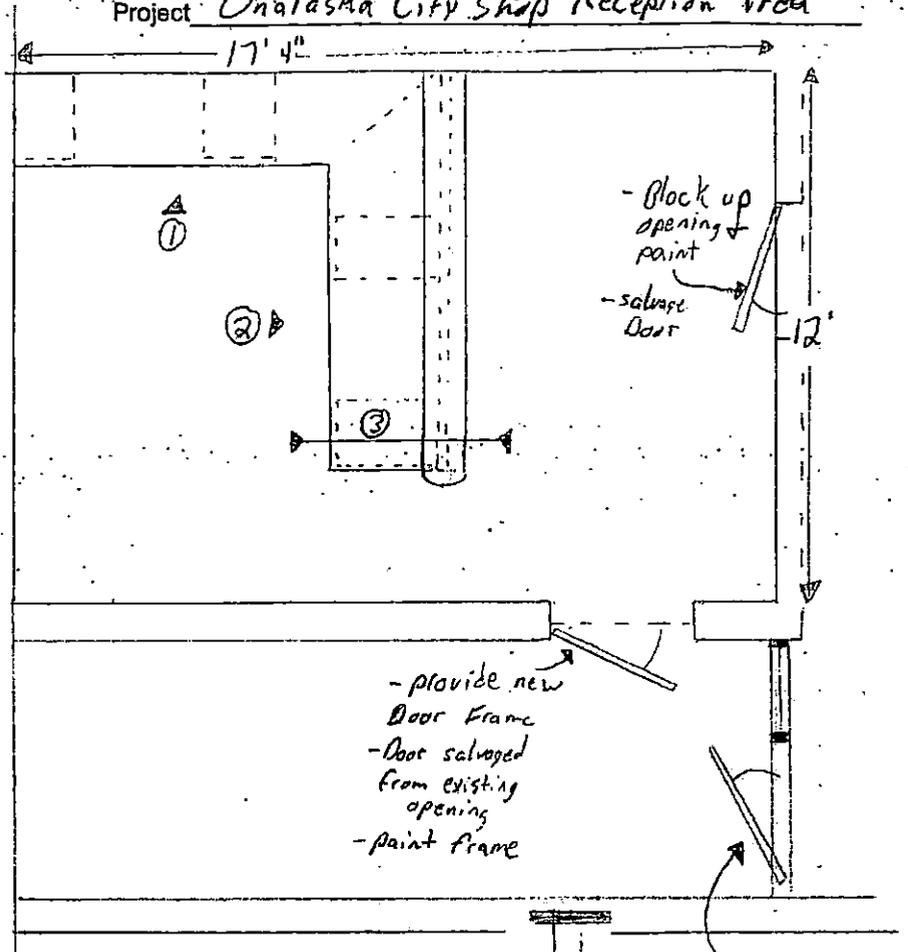
Project Onalaska City Shop Reception Area



EXISTING OUTSIDE  
ENTRANCE



①

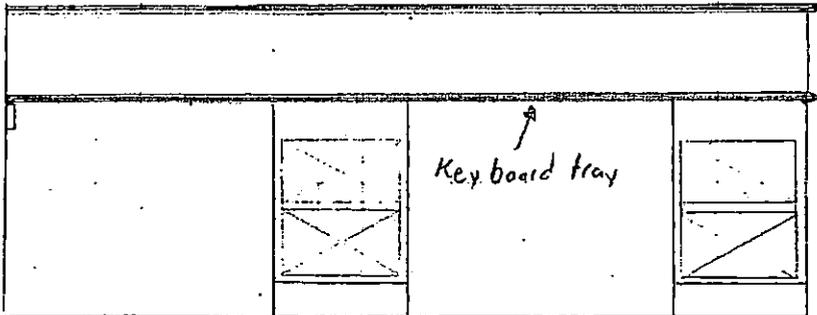


File Drawers

②

File Drawers

- relocate Door/Frame/glas.
- re paint
- bulk head above Frame
- Dry wall & paint



File Drawers

File Drawers

③

# Proposal

## Steiger Construction

2812 So. 28th St. La Crosse, WI 54601  
608-788-4233 or FAX 608-788-4303

City of Onalaska Public Works  
Attn: Steve Jackson  
252 Mason St  
Onalaska, WI 54650

Oct. 22, 2015

RE: Administrative office rework

We propose to furnish labor, equipment and material complete the following work at the above location:

1. Move existing interior door & frame to end of corridor
2. Cut new opening for door where an existing window/shelf is currently located
3. Support existing ceiling to enlarge opening and install lintel
4. Relay block and install door frame
5. Install new oak door & hardware to match existing
6. Repair wall where door was removed
7. Repair ceiling as needed.
8. Paint to match existing

Sum of \$12,252.00

NOTE: To change swing of existing office door ADD \$925.00

Proposal may be withdrawn if not accepted within 10 days. All material is guaranteed to be as specified. All work is to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from the above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.

Signature Doug Beithick

#### NOTICE OF LIEN RIGHTS

AS REQUIRED BY THE WISCONSIN CONSTRUCTION LIEN LAW, STEIGER CONSTRUCTION HEREBY NOTIFIES OWNER THAT PERSONS OR COMPANIES FURNISHING LABOR OR MATERIALS FOR THE CONSTRUCTION ON OWNER'S LAND MAY HAVE LIEN RIGHTS ON OWNER'S LAND AND BUILDINGS IF NOT PAID, THOSE ENTITLED TO LIEN RIGHTS, IN ADDITION TO THE UNDERSIGNED BUILDER, ARE THOSE WHO CONTRACT DIRECTLY WITH THE OWNER OR THOSE WHO GIVE THE OWNER NOTICE WITHIN 60 DAYS AFTER THEY FIRST FURNISH LABOR OR MATERIALS FOR THE CONSTRUCTION. ACCORDINGLY, OWNER PROBABLY WILL RECEIVE NOTICES FROM THOSE WHO FURNISH LABOR OR MATERIALS FOR THE CONSTRUCTION, AND SHOULD GIVE A COPY OF EACH NOTICE RECEIVED TO HIS MORTGAGE LENDER, IF ANY. STEIGER AGREES TO COOPERATE WITH THE OWNER AND LENDER, IF ANY, TO SEE THAT ALL POTENTIAL LIEN CLAIMANTS ARE DULY PAID.

Acceptance of proposal: The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified.

Date of Acceptance: \_\_\_\_\_

Signature: \_\_\_\_\_



# MEMORANDUM

## PUBLIC WORKS DEPARTMENT

TO: Board of Public Works

FROM: Jarrod Holter, City Engineer *JH*

DATE: December 22, 2015

CC:

RE: Moving door at Public works facility

Currently customers for the Water & Sewer Billing Administrator ring a door bell and get let into the building. Staff has researched other methods to get customers to the Utility billing area while not allowing full access to the building. The quotes received move the interior vestibule door farther in and replace the existing pass through window with a door allowing access. With this combination the exterior door can be opened during business hours but the interior door can remain locked for access to the remainder of the building. This item was included within the 2016 budget.

# **STAFF REVIEW SUMMARY**

## **CITY OF ONALASKA BOARD OF PUBLIC WORKS**

January 5, 2016

**Agenda Item:** #10

**Project/Item Name:** Intersection control at Troy Street and Oak Avenue North

**Location:** Troy Street & Oak Avenue North

**Requested Action:** Discussion on intersection control

**Staff Report/Description:** The City Stop Sign Committee will be meeting prior to upcoming Board of Public Works meeting to offer guidance on changes. Currently the intersection has yield signs on Troy street. Resident has requested these be changed to stop signs.

**Attachments:** Stop sign committee materials

# STOP SIGN REQUEST

DATE OF REQUEST 10-29-15

REQUESTED BY ERIK SJOLANDER

Intersection where stop sign is being requested OAK AVE. NO. & TROY STREET

Which street is proposed for thru traffic? OAK AVE. NO.

Which street is proposed for stop sign? TROY STREET

Introduced at Stop Sign Committee (date) 1-4-16

### This section to be completed by Police Department

- 1) 0 How many accidents have occurred within the past year which were susceptible to correction with a Stop Sign? NOTE: 2 - in 2014
- 2) 23 MPH What is the critical approach speed to this intersection in order to keep vehicles under control?

### This section to be completed by Street Department

- 1) Minor Is the street where Stop Sign is proposed considered a major street or a minor street?
- 2a) N/A If a MAJOR street, what is the average daily car count on this street?  
(indicate when car count taken \_\_\_\_\_ and where taken \_\_\_\_\_)  
OR
- 2b) 83 If a MINOR street, what is the car count on this street during the peak hour?  
(indicate date 4:00 PM and time 5:00 PM of survey)

### POINT-TABULATION AND RECOMMENDATION SECTION

- 0 POINTS FOR ACCIDENT HISTORY – each accident (3) points/maximum (9) points
- 3 POINTS FOR APPROACH SPEED – (1) point each MPH, less than 20 MPH/maximum 9 points
- If MAJOR street, (1) point for every 100 vehicles/day over 500/maximum (5) points  
OR
- 3 If MINOR street, (1) point for every 25 vehicles during peak hour/maximum (4) points
- 1 Assign points for any unusual conditions, such as school/fire station, playground, steep hill, trees, poles, etc. (maximum (3) points)
- 7 TOTAL POINTS: minimum needed for Stop Sign – (15) points

\_\_\_\_\_ Stop Sign needed

\_\_\_\_\_ Stop Sign NOT needed

Recommendation made to B.O.P.W. \_\_\_\_\_

\*Yield Signs may be considered if twelve (12) points are obtained. Unusual conditions may warrant consideration (i.e. school, emergency vehicle route, etc.).

*Attach photo of intersection or diagram of intersection on reverse side....*

## Holter, Jarrod

---

**From:** Erik Sjolander <erik.d.sjolander@gmail.com>  
**Sent:** Thursday, October 29, 2015 8:01 PM  
**To:** Binash, Jim; Olson, Jim; Muth, Robert; Trotnic, Jeffrey; Holter, Jarrod  
**Subject:** Intersection Safety Concern

Gentlemen,

I was very close to colliding with a school bus at the intersection of Troy Street and Oak Avenue North yesterday morning. The school bus was traveling east on Troy Street and decided to ignore the yield sign at that intersection. This intersection is probably not a heavy traffic intersection but I believe it is still dangerous because it is at the bottom of a hill. I drive through this intersection every day and needless to say there have been other times I've seen similar situations with other vehicles. For whatever reason people choose not to slow down to make sure it is clear. I would suggest stop signs replace the yield signs at this intersection or at the very least have it evaluated.

I called the bus company to share my concerns with the bus driver. I'm sure it was accidental but that was too close for comfort.

Regards,

Erik



## **CITY OF ONALASKA**

415 MAIN STREET  
ONALASKA, WISCONSIN 54650-2953  
[www.cityofonalaska.com](http://www.cityofonalaska.com)

**Engineering/Public Works Dept.**  
PHONE: (608) 781-9537  
FAX: (608) 781-9506

November 3, 2015

To: Jarrod Holter  
From: Vicky Bosworth  
RE: Accident Research

---

**Oak Avenue & Troy Street:** From January 2012 – September 2015 four (4) accidents have occurred at this intersection; 1 in April 2012, 1 in May 2012, 1 in January 2014 & 1 in May 2014 according to the accident ledgers I receive monthly from the Onalaska Police Dept.

**12<sup>th</sup> Avenue South & Oak Forest Drive:** From January 2012 – September 2015 five (5) accidents have occurred at this intersection; 1 in July 2012, 1 in September 2012, 1 in December 2013, 1 in September 2014 and 1 in April 2015, according to the accident ledgers I receive monthly from the Onalaska Police Dept.

If you would like a copy of the Police Reports please let me know. Thank you!

# CAR COUNT

TROY ST & OAK AVE N

11-3-15

Started 11/2/15 @ 3 PM

NT

(4)

TROY ST

(1)

OAK AVE N

(5)

(2)

(1)

(2)

(3)

(4)

7:00	363	171	346	218
8:00	59	69	53	62
9:00	55	12	49	19
10:00	29	6	27	4
11:00	24	7	21	7
12:00	36	15	30	16
1:00	44	18	46	23
2:00	38	10	33	17
3:00	38	23	28	25
4:00	83	47	74	54
5:00	50	32	47	41

# **STAFF REVIEW SUMMARY**

## CITY OF ONALASKA BOARD OF PUBLIC WORKS

January 5, 2016

Agenda Item: #11

Project/Item Name: Asphalt hot box

Location: None

Requested Action: Approval of purchase

Staff Report/Description: The Street Department has researched the purchase of asphalt hot box included within the 2016 Equipment Budget. Staff is recommending the purchase of the 2008 Spaulding asphalt hot box as outlined.

Attachments: Memo & quotes



# MEMORANDUM

## PUBLIC WORKS DEPARTMENT

TO: Board of Public Works

FROM: Jarrod Holter, City Engineer *JH*

DATE: December 23, 2015

CC:

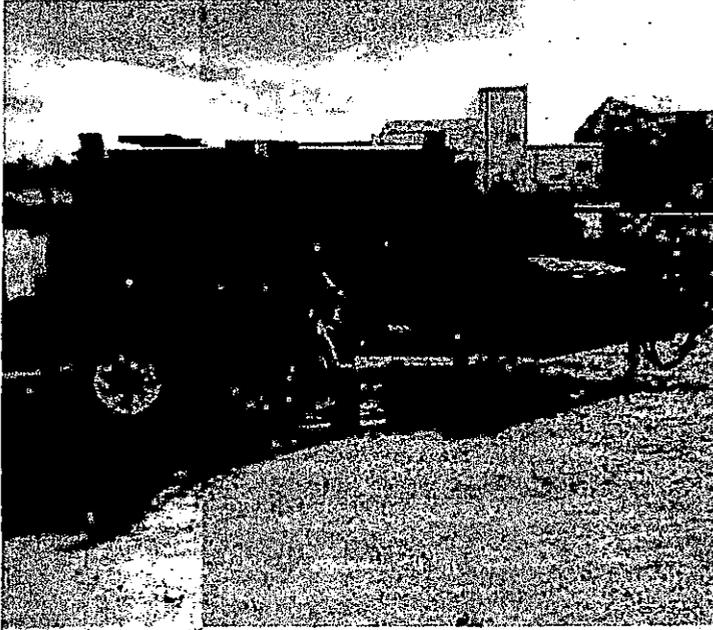
RE: Asphalt hot box

Street Department staff have researched used trailer mounted asphalt hot box. This unit will be used for filling of potholes and performing small patches within City streets. A quality used unit within the City budget has been difficult to locate. Attached we have two quotes for used units with the lower at \$5,500. The unit priced at \$5,500 is in very good condition but may need \$750 in parts to be replaced by Street Department staff. It is my recommendation to purchase the 2008 Spaulding hot patcher in the amount of \$5,500 with a total allocation of \$6,250 with parts for repairs.

Home › Power Equipment › Asphalt Haulers › 2008 SPAULDING HOT PATCHER

## 2008 SPAULDING HOT PATCHER

Item #: B-2630



USED 2008 SPAULDING HOT PATCHER, 4 TON DIESEL DUMP WITH HYD TOP DOORS AND REAR GATE,  
(2) SHOVEL CLEANING COMPARTMENTS, LED LIGHTING

VIN #4S9PH182SSMO97493

TRAILER PLUG NEEDS REWIRED. SHUT DOWN ISSUE WITH DIESEL BURNER BLOWER

~~\$5,500~~

Filed in: Asphalt Haulers Spaulding Fair

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JR - Cell. 815-509-8461

\$5,500.-

+ \$500.-  
+ \$250

Flute  
Assembly  
Blower  
motor

\$6,250.-



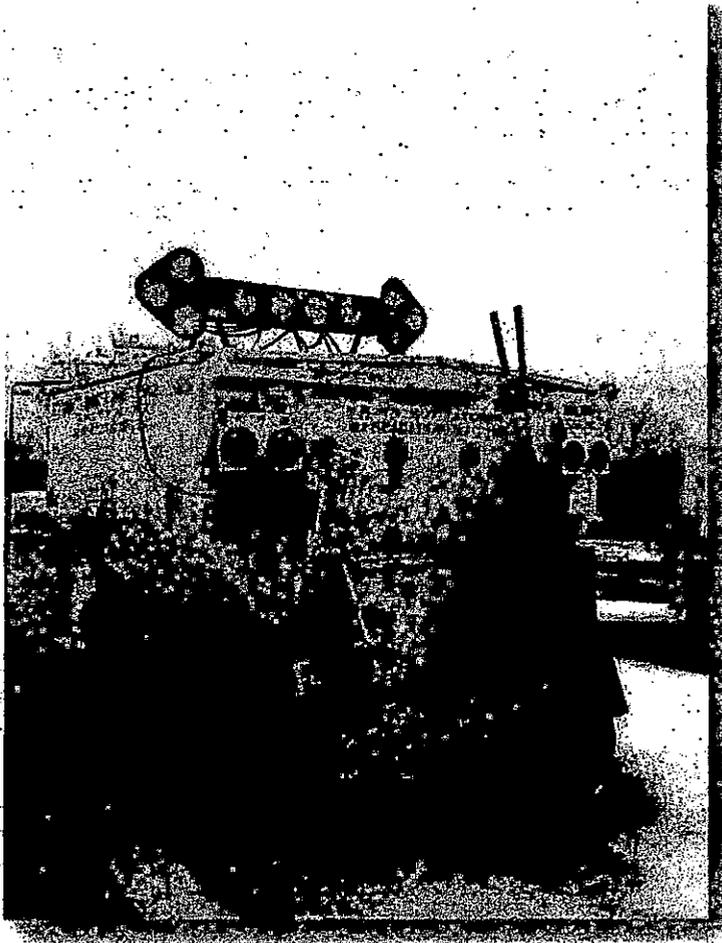
MACQUEEN EQUIPMENT  
GROUP™

# USED EQUIPMENT

Multi-Point Inspections // Factory-Trained Technicians // OEM Parts Store

## 2005 Spaulding 4-Ton

Unit ID: UM13024



### FEATURES

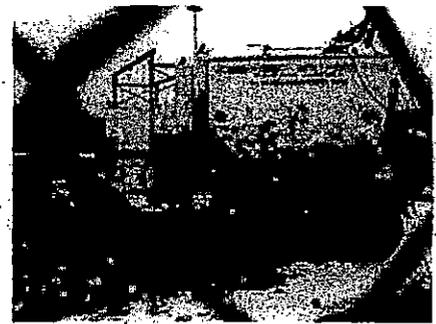
Electric Temperature Control

Diesel ILO STD

Plate with Hand Winch

Bracket for 20# LP Torch

**\$12,500.00**



You Can View This Unit, and Others Like it, Online at [www.macqueeneq.com](http://www.macqueeneq.com)



St. Paul MN



Menomonee Falls, WI



Ankeny, IA



Lincoln, NE

**CITY OF ONALASKA, WISCONSIN  
DEPARTMENTAL BUDGET**

Department:

**Street**

207-533111-xxx

Budget Year 2016

**NEW / REPLACEMENT EQUIPMENT**

Items must exceed \$500.00 per item.

Quantity	Justification Detail	Cost Per Each Line Item	Extension	Total Cost
0.25	<b>Fork lift</b>	\$20,000		\$5,000
	General Equipment Outlay			
	(25% water, 25% sanitary sewer, 25% storm sewer, 25% street)			
	Current fork lift is a 1970's model. Reverse gear is going out and it will be nearly more to repair than what is worth. This price would be for a used unit with 1,500 to 4,000 hours.			
0.25	<b>Floor Scrubber</b>	\$16,000		\$4,000
	General Equipment Outlay			
	(25% water, 25% sanitary sewer, 25% storm sewer, 25% street)			
	Replacement of 1997 unit that was purchased when moving into Public Works Facility. Current unit will not charge batteries.			
0.25	<b>Tire replacement for front end loaders #116 &amp; #150</b>	\$17,000		\$4,250
	Vehicle Outlay			
	1996 and 2010 end loaders are in need of full tire replacement. Tires have been patched and have worn beyond recommended limits.			
1	<b>Asphalt hot box patcher</b>	\$7,300		\$7,300
	Vehicle Outlay			
	This unit would allow cold patch material to be applied heated. Unit would offer longer lasting patching of streets during colder spring freeze/thaw conditions.			

# **STAFF REVIEW SUMMARY**

## CITY OF ONALASKA BOARD OF PUBLIC WORKS

January 5, 2016

Agenda Item: #12

Project/Item Name: EAB tree replacement

Location: Citywide

Requested Action: Approval of grant

Staff Report/Description: City staff has received confirmation that it will be receiving a \$20,000 grant for EAB tree replacement from the La Crosse Community Foundation Harold Lemke Fund.

Attachments: Grant letter



**LA CROSSE  
COMMUNITY  
FOUNDATION**

401 Main Street, Ste. 205  
La Crosse, Wisconsin 54601

**For Good. Forever.**  
*Serving the donors' interests and  
the community's needs since 1930.*

November 25, 2015

Joe Chilsen  
City of Onalaska Planning Department  
415 Main Street  
Onalaska, WI 54650

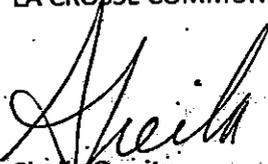
Dear Joe,

Recently, the La Crosse Community Foundation Board of Directors reviewed a grant application from the City of Onalaska Planning Department requesting \$95,000.00 for supplies for the Onalaska, WI EAB Ash Tree Replacement Planting--Phase 2. The Foundation Board approved \$20,000.00 grant from the Harold Lemke Fund to be paid in January or February 2016 for this purpose.

Congratulations and best wishes for success with this project.

Sincerely,

LA CROSSE COMMUNITY FOUNDATION

  
Sheila Garrity  
Executive Director

# **STAFF REVIEW SUMMARY**

## CITY OF ONALASKA BOARD OF PUBLIC WORKS

January 5, 2016

Agenda Item: #13

Project/Item Name: Omni Center Arena 1 Ice System Replacement

Location: Omni Center

Requested Action: Approval of Change Order #1

Staff Report/Description: During construction of the Omni Center chiller project it was found that the existing electrical service conductors and fuses within the electrical breaker box were 300 amp and not 400 amp. The plans for the original construction of the building called out 400 amp rating but that was found to not be installed.

Attachments: Change Order #1

December 21, 2015

Mr. Dan Wick  
City of Onalaska  
415 Main Street  
Onalaska, WI 54650

Re: **Change Order No. 1**  
Onalaska Omni Center Arena 1 Ice System Replacement (Bid Package 1)  
Stevens File No. 900-14-208

Dear Mr. Wick:

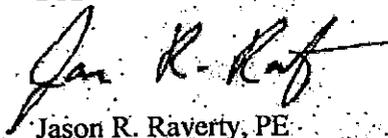
Enclosed is Change Order No. 1 for the Onalaska Omni Center Arena 1 Ice System Replacement (Bid Package 1) Project. This change order includes upgrading the existing electrical service for the new refrigeration equipment. The upgraded service provides new wiring conductors and fuses rated for 400-amps to replace the existing wiring and fuses rated at 300-amps.

We recommend the City accept this change order in the amount of \$8,969.90.

Please have the first page of the change order signed and emailed back to me and I will distribute to the Contractor.

If you have any questions regarding this documentation or the project in general please feel free to call us anytime. Our office number is 651.436.2075.

Sincerely,  
STEVENS



Jason R. Raverty, PE  
Project Manager

C:

**Enclosures:** Change Order No. 1 with supporting documentation.

Date of Issuance: 12/19/14

Effective Date: 12/19/14

Project: Onalaska Omni Center Arena 1 Ice System Replacement (BP#1)	Owner: City of Onalaska	Owner's Contract No.: NA
Contract:	Date of Contract: May 13, 2015	
Contractor: Minnesota Ice LLC	Engineer's Project No.: 900-14-203	

**The Contract Documents are modified as follows upon execution of this Change Order:**

**Description:**

Provide an upgraded electrical service for the new refrigeration equipment, including a new conductors and fuses rated for 400-amps.

**Attachments (list documents supporting change):**

Request for Change Order Contractor Pricing, Sub Contractor pricing.

**CHANGE IN CONTRACT PRICE:**

Original Contract Price:

\$ 414,924.00

Change from previously approved Change Orders No. 0 to No. 0:

NONE

Contract Price prior to this Change Order:

\$ 414,924.00

Increase of this Change Order:

\$ 8,969.90

Contract Price incorporating this Change Order:

\$ 423,893.90

**CHANGE IN CONTRACT TIMES:**

Original Contract Times:  Working days  Calendar days

Substantial completion (days or date): 10/9/2015

Ready for final payment (days or date): 10/30/2015

Change from previously approved Change Orders No. 0 to No. 0:

Substantial completion (days): NONE

Ready for final payment (days): NONE

Contract Times prior to this Change Order:

Substantial completion (days or date): 10/9/2015

Ready for final payment (days or date): 10/30/2015

Change from this Change Order:

Substantial completion (days or date): NONE

Ready for final payment (days or date): NONE

Contract Times with all approved Change Orders:

Substantial completion (days or date): 10/9/2015

Ready for final payment (days or date): 10/30/2015

RECOMMENDED:

By: Jan R. Rutz  
Engineer (Authorized Signature)

Date: 12/19/2015

ACCEPTED:

By: \_\_\_\_\_  
Owner (Authorized Signature)

Date: \_\_\_\_\_

ACCEPTED:

By: [Signature]  
Contractor (Authorized Signature)

Date: 12-18-15



# Minnesota Ice, LLC

612-919-1919 [www.mnice.us](http://www.mnice.us)

---

Jason Raverty,  
Stevens Engineers  
2211 O'Neil Road  
Hudson, Wisconsin 54016

Change Order Request #1  
Date: October 13<sup>th</sup> 2015  
Omni Center Ice Rink Project  
Onalaska, Wisconsin

#### Work Request:

- Remove existing chiller feeder by Electrical Contractor
- Reinstall new 400 amp feeder in existing conduit consisting of six (6) 4/0 copper THHN conductors.
- Install 3 new 400 amp time delay fuses in existing main service.
- ~~Chiller software reconfiguration adjusting from full power service to reduced power service back to full power service - 4 hours~~ JRR
- Minnesota Ice site supervision and travel time - 8 hours
- All work to be performed during normal working hours:  
7:00am - 3:30pm M-F

Minnesota Ice will verify that the scope meets manufactures requirements. Work can commence upon Change Order approval and will take roughly one day.

Zero Zone states: *The Omni Center system (ZZ Job# C105431) was designed to run on a 400A feed. Overcurrent protection may be 400A to 450A.*

Kish & Sons Electric, Zero Zone Refrigeration and Minnesota Ice worked together to upgrade the Omni Center mechanical room electrical power. In order to get the chiller to run under the existing power, Zero Zone engineers rewrote the chiller software so the machine would work on a 400 amp or less draw. Once the power upgrade was completed, Zero Zone engineers then reconfigured the software so that it could work on a 600 amp service. Minnesota Ice staff coordinated the electrical work, the software changes and visited the site on 10-18-2015 to confirm the work had been completed and that all of the software items were loaded correctly and all on site user interphase screens were functioning properly.



# Minnesota Ice, LLC

612-919-1919 [www.mnice.us](http://www.mnice.us)

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**Change Order Charges:** *See invoices attached.*

Subcontractor work - \$7,798

5% Mark - Up - \$389.90

~~Zero Zone Refrigeration Work - 4 hrs @ \$120/hr = \$480~~ JRR

~~5% Mark - Up - \$24~~ JRR

Minnesota Ice Supervision - 8 hrs @ \$85/hr = \$680

15% Mark Up - \$102

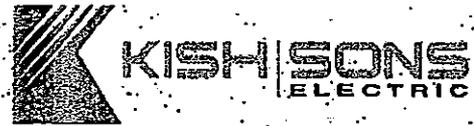
**Total Cost of Change Order - ~~\$9,473.90~~ \$8,969.90** JRR

Sincerely,

Mike McDevitt

GEO

Minnesota Ice LLC



Commercial | Industrial | Residential

10/12/2015  
TO: Chris Schneider  
Project Manager  
Minnesota Ice  
612-685-2563

RE: Replace Chiller Feeder

We are pleased to submit a price for the above mentioned project. Our price and scope of work are listed below:

**Replace feeder for chiller: \$7,798.00**

- Remove existing chiller feeder retain by Electrical contractor.
- Reinstall new 400 amp feeder in existing conduit consisting of six 4/0 copper THHN conductors.
- Install 3 new 400 amp time delay fuses in existing main service.
- All work is to be performed from during normal working hours 7:00 to 3:30.

**Not included.**

- After hours rate.

Stevens Engineering to verify this scope meets manufactures requirements.

Thank you for allowing us to be of service to you. If you have any questions please feel free to call.

Sincerely,

Scott Stangel  
Project Manager / Estimator  
608-785-0207 Ext. 228

### 2015 CIP Projects

Projects	Budget	Actual Cost	Account Number
Stevens Engineering - Chiller Design and Const. Admi	\$50,000.00	\$50,499.99	415-51000-099
Minnesota Ice - Chiller	\$564,200.00	\$414,924.00	415-51000-098
Olympic Builders - General Contractor - Chiller		\$123,803.00	415-51000-098
Change order #1 - overhead doors		-\$845.50	
Change order #2 - roofing work		\$652.47	415-51000-098
Change order #3 - floor drain		\$3,781.49	415-51000-098
Change order #4 - water heater		\$2,245.50	415-51000-098
Change order #5 - Rewiring		\$8,969.90	415-51000-098
Legal Counsel		\$1,795.78	415-51000-098
Becker Arena Products - New Boards Arena #1	\$150,000.00	\$130,025.00	415-51000-099
R & R Specialties - Ice Resurfacers blade changer		\$2,545.00	415-51000-099
Floor Crafters	\$50,000	\$35,035.94	415-51000-099
Pallet Racking		\$495.00	415-51000-099
Coulee Region Mechanical		\$7,255.80	415-51000-099

\$814,200.00

\$781,183.37

**BOARD OF PUBLIC WORKS  
MONTHLY ESTIMATES  
January 5, 2016**

<u>Contractor</u>	<u>Original Contract Amount</u>	<u>Change Orders</u>	<u>Paid to Date</u>	<u>Due this Estimate</u>
1. <b>STRAND ASSOCIATES</b> Well #9 Construction Estimate #9	\$ 157,200.00	\$ -	\$ 109,562.20	\$ 9,976.40
2. <b>OLYMPIC BUILDERS</b> Well #9 Reconstruction & Filter Addition Construction Estimate #7	\$ 2,763,593.00	\$ 21,046.30	\$ 1,579,007.35	\$ 212,116.95
3. <b>SEH INC.</b> Riders Club Rd & PH Design Estimate #6	\$ 148,348.18	\$ -	\$ 52,268.43	\$ 7,264.52
4. <b>SEH INC.</b> Phase 1 - Waterfront Design Estimate #2	\$ 147,400.00	\$ -	\$ 7,484.33	\$ 23,967.79
5. <b>STRAND ASSOCIATES</b> Well #8 - Electrical Consulting Design Estimate #1 - <i>FINAL</i>	\$ 4,000.00	\$ -	\$ -	\$ 2,609.13
6. <b>STATE OF WI - DOT</b> Riders Club Road Design - State Plan Review (5991-02-56) Estimate #1	\$ 60,000.00	\$ -	\$ -	\$ 436.96
7. <b>STATE OF WI - DOT</b> PH/Braund Street Design - State Plan Review (5991-02-53) Estimate #1	\$ 50,000.00	\$ -	\$ -	\$ 701.25

**BOARD OF PUBLIC WORKS  
MONTHLY ESTIMATES  
January 5, 2016**

<u>Contractor</u>	<u>Original Contract Amount</u>	<u>Change Orders</u>	<u>Paid to Date</u>	<u>Due this Estimate</u>
8. <b>STATE OF WI - DOT</b> San Sewer & Watermain Relocation Construction - I-90 Bike Trail (1071-06-86) Estimate #6	\$ 591,046.00	\$ -	\$ 274,508.58	\$ 37.75
9. <b>AYRES ASSOCIATES (02632)</b> I-90 Sanitary Sewer Design Estimate #3	\$ 48,600.00	\$ -	\$ 4,626.98	\$ 1,469.53
10. <b>MINNESOTA ICE LLC</b> Omni Center Arena Ice System Replacement Construction Estimate #3	\$ 414,914.00	\$ 8,969.90	\$ 356,168.30	\$ 46,521.40
11. <b>STRAND ASSOCIATES</b> Well #9 Safe Drinking Water Loan Assistance Estimate #7	\$ 16,500.00	\$ -	\$ 9,354.28	\$ 678.84
12. <b>STATE OF WI - DOT</b> 2nd Ave / STH 35 - Design (7190-05-00) Estimate #24	\$ 125,000.00	\$ 50,000.00	\$ 178,427.35	\$ 482.91
13. <b>STATE OF WI - DOT</b> STH 35 - 2nd Ave SW to Poplar St Community Sensitive Design / Lighting Match - Construction (7190-05-71) Estimate #4	\$ 50,176.00	\$ -	\$ 41,132.05	\$ 947.78