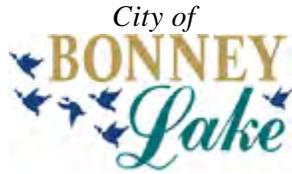


**ADJOURNED CITY
COUNCIL WORKSHOP**

**August 24, 2010
6:30 p.m.**

AGENDA



"Where Dreams Can Soar"

The City of Bonney Lake's Mission is to protect the community's livable identity and scenic beauty through responsible growth planning and by providing accountable, accessible and efficient local government services.

Website: www.ci.bonney-lake.wa.us

The City Council may act on items listed on this agenda, or by consensus give direction for future action. The council may also add and take action on other items not listed on this agenda.

Meeting adjourned from the August 17, 2010 Council Workshop to this date and time.

Location: City Hall Council Chambers, 19306 Bonney Lake Blvd., Bonney Lake.

I. Call to Order:

Mayor Neil Johnson

II. Roll Call:

Elected Officials: Mayor Neil Johnson, Jr., Deputy Mayor Dan Swatman, Councilmember Laurie Carter, Councilmember Dan Decker, Councilmember Mark Hamilton, Councilmember Donn Lewis, Councilmember Randy McKibbin and Councilmember Jim Rackley.

Expected Staff Members: City Administrator Don Morrison, Chief Financial Officer Al Juarez, Public Works Director Dan Grigsby, Community Development Director John Vodopich, Police Chief Mike Mitchell, Community Services Director Gary Leaf, Administrative Services Director/City Clerk Harwood Edvalson and City Attorney Jim Dionne.

III. Agenda Items:

A. Council Open Discussion

B. Discussion: AB10-125 - Resolution 2058 - A Resolution Of The City Council Of The City Of Bonney Lake, Pierce County, Washington, Authorizing A Contract With RH-2 For The Design Of The Eastown Sewer Service Area Study, Eastown Sewer Lift Station Design And Lift Station 18 Improvements.

C. Discussion: (Tabled from July 27th Council Meeting) **AB10-106 - Resolution 2048** - A Resolution Of The City Council Of The City Of Bonney Lake, Pierce County, Washington, Authorizing An Agreement With Netversant To Install Category Six Network And Cable TV Cableing In The Interim Justice Center For \$12,288.20.

D. Discussion: AB10-137 - Finish Appearance of Downtown SR410 Retaining Wall.

IV. Executive Session:

Pursuant to RCW 42.30.110, the City Council may meet in executive session. The topic(s) and duration will be announced prior to the executive session.

V. Adjournment:

For citizens with disabilities requesting translators or adaptive equipment for communication purposes, the City requests notification as soon as possible of the type of service or equipment needed.
THE COUNCIL MAY ADD AND TAKE ACTION ON OTHER ITEMS NOT LISTED ON THIS AGENDA.

**City of Bonney Lake, Washington
City Council Agenda Bill (C.A.B.) Approval Form**

<u>Department / Staff Contact:</u> PW / Director Dan Grigsby	<u>Workshop / Meeting Date:</u> 17 Aug 2010	<u>Agenda Bill Number:</u> AB10-125
<u>Ordinance Number:</u>	<u>Resolution Number:</u> 2058	<u>Councilmember Sponsor:</u> James Rackley

Agenda Subject: Authorize Design Contract with RH2 for Easttown Sewer Lift Station Design and Lift Station 18 Improvements

Proposed Motion: Discussion: AB10-125 - Resolution 2058 - Authorize Mayor to award the professional services contract to RH2 that prepares the Easttown Sewer Lift Station construction contract documents.

Administrative Recommendation: Discuss the following recommendations: Recommend City Council authorize design contract award to RH2 for both Phase I and Phase II = \$370,350.
 ---- Request City Council guidance on whether or not City will fund construction of this contract when design is completed. Reconfirm that this is dependent upon receipt of easements from all property owners East and South of Compass Pointe development.
 ---- Request City Council guidance on whether or not City will fund construction of the gravity sewer line in the Northern Frontage Road from the Bowen property to 233rd Avenue. This would be designed and built separately. Construction of this line is essential to formation of a ULA.

Background Summary: RH2 has submitted the attached Scope of Work and NTE cost estimate to prepare the following documents. Subject to Pierce County permitting times, the design could be done by March 2011, with construction completed in 2011 as well.

1. This contract will prepare a basin study to determine the sizing of the new lift station and impact on existing sewer Lift Station 18.
 2. Construction documents for the following work:
 - Phase 1 is the core project that includes:
 - *** construction of the new lift station
 - *** constructs a pressure/gravity sewer line downstream from the new lift station; west on 96th Street from 225th to 214th Ave
 - *** bores under SR410 in front of Safeway
 - *** upgrades lift station 18 in front of Safeway
 - *** Phase I design cost is \$297,064.
 - Phase 2 connects the new lift station to SR410. Construction includes a new gravity sewer line upstream from the new lift station. It starts at the new lift station and proceeds east under 96th Street, turns north at 236th Avenue, and then runs south to SR410 between the Bowen and Watt properties. It will connect to the new sewer line bored under SR410 by a separate contract. This phase is optional, but considered essential to provide a cost effective and timely means for developers to connect to the sewer system.
 - *** Phase II design cost is \$73,285.
- Phase I and II TOTAL design cost = \$370,350.

Attachments: Resolution 2058, Presentation outline, site maps, CDC Cover Sheet, Easttown Future Sewer System Project Summary, Memo explaining public utility line location, and RH2 Contract with Exhibits A thru D

BUDGET INFORMATION:

Budget Amount	Required Expenditure	Budget Impact	Budget Balance
\$1,742,000	\$370,350		\$1,371,650

Budget Explanation:

2010 Sewer CIP budget: "Easttown ULA: Lift Station, Pressure Line, LS18 Upgrade"

COMMITTEE/BOARD REVIEW:

Subcommittee Review Date: Community Development Committee - 19 Jul 2010

Commission/Board Review Date: -

Hearing Examiner Date:

COUNCIL ACTION:

Workshop Date(s): 17 August 2010

Public Hearing Date(s):

Meeting Date(s): 24 August 2010

Tabled To Date:

Signatures:

Director Authorization DLG	Mayor	Date City Attorney Reviewed
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RESOLUTION NO. 2058

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BONNEY LAKE, PIERCE COUNTY, WASHINGTON, AUTHORIZING A CONTRACT WITH RH-2 FOR THE DESIGN OF THE EASTOWN SEWER SERVICE AREA STUDY, EASTOWN SEWER LIFT STATION DESIGN AND LIFT STATION 18 IMPROVEMENTS.

Whereas, the City has approved a budget in 2010 Sewer CIP budget: to address the Eastown ULA, Lift Station, Pressure Line, and Lift Station 18 Upgrade”; and

Whereas, the City has directed the Public Works Department to take the lead on the development of implementation of sewer in the Eastown sewer basin requiring the lift station;

Now therefore, be it resolved;

that the City Council of the City of Bonney Lake, Washington, does hereby authorize the Mayor to sign the attached agreement with RH-2 Engineering in the amount of \$370,350 for Phase 1 and Phase II.

PASSED by the City Council this 24th day of August 2010.

Neil Johnson Jr., Mayor

ATTEST:

Harwood T. Edvalson, City Clerk

APPROVED AS TO FORM:

James Dionne, City Attorney

City Council Presentation: Eastown Sewer System (AB10-125)

17-Aug-10

RESULTS (from authorizing this \$370K design contract) HAS IMPACT BEYOND THIS SPECIFIC CONTRACT:

1. Lock in Eastown Future Sewer System (EFSS) plan.
2. Indicates that the city is willing to "prime the pump" to get the development in Eastown started.
3. Indicates that the city is not willing to wait more time for a single developer to take the lead on the EASTOWN sewer system.
4. Allows property owners and developers to prepare their own plans by knowing when the design is scheduled to be done.
5. Creates a "Shovel Ready" contract with completed design and easements acquired.

REVIEW EASTOWN FUTURE SEWER SYSTEM:

1. Overview of Eastown Future Sewer System (EFSS) - Move EFSS map on page 6 next to EFSS Project List on page 7
2. Summary of EFSS projects that need to be built to create the Core Sewer System" and status - page 8
3. Review EFSS elements contained in this RH2 design contract -pages 10 and 11
4. Review breakdown of RH2 design cost -pages 12 and 13

Phase 1 = \$297,064

Phase 2 = \$73,285

Total = \$370,350

PROPOSED CITY COUNCIL CONDITIONS:

1. Require property owners to provide signed sewer line easement and frontage road access agreements to the city.
 - A. Before design contract NTP is issued; OR,
 - B. Within 30 days of design contract award; OR,
 - C. Before construction contract is advertised.
2. North-South sewer easements only will be 10-20 feet in width. Road ROW is not required since in mapped street.
3. PW Director has authority to negotiate easement location and width depending on site conditions.
4. PW Director will report back to City Council when majority of easements have been received.

OTHER CITY COUNCIL DECISIONS

1. Discuss feasibility of funding construction once RH2 design is completed.
2. Discuss feasibility of funding construction of gravity sewer line from Bowen Property to 233rd Avenue. (ULA Formation)

IMMEDIATE STAFF ACTIONS(if design is authorized):

1. Initiate purchase of land from WSDOT for sewer lift station
2. Initiate purchase of 126th Street Sewer Easement from property(s) in Pierce County
3. Initiate preparation of 126th Street Sewer Easement for Bowen and Watt properties
4. Issue NTP for Historical Artifact contract authorized by City Council
5. Finalize design of sewer boring contract under SR410 at 226th Street
6. Obtain sewer easement for Kontos Driveway (Completed 16 August 2010)
7. Coordinate construction of sewer lines in 96th Street with Pierce County
8. Develop contract to delineate wetlands from Bowen property to 233rd Ave.

Eastown Future Sewer System Projects						July 27, 2010
<u>Project</u>	<u>Project Description</u>	<u>Funding Source</u>			<u>1st ULA</u>	<u>A&E</u>
		<u>Design</u>	<u>Construction</u>			
	Recommended Core Project					
1	Sewer Lift Station and Gravity Line from 96th St.	City	City	Yes	RH2	
2	Historical Artifact Preservation	City	City	Yes	N/A	
3	Relocate Kontos Power and Telephone Line	City	City	Yes	PSE-COMCAST	
4	96th Street Force Main - 216th Ave to Eastown Lift Station	City	City	Yes	RH2	
5	Western 96th Street Gravity Line - 214th Ave to 216th Ave	City	City	Yes	RH2	
6	SR410 Sewer Crossing at 213th Avenue (Home Depot Access Road)	City	City	Yes	RH2	
7	Lift Station 18 Upgrade (In front of Safeway)	City	City	Yes	RH2	
8	Eastern 96th Street Gravity Line - 225th to 226th to SR410	City	City	Yes	RH2	
9	SR410 Sewer Crossing at 226th Ave (Bowen-Watt property line)	City	City	Yes	Parametrix	
10	SR410 Sewer Crossing at 233rd Ave (2010 - Part of WSDOT Contract)	Dev	Dev	Yes	Stobie	
	Other Projects					
11	Northern Frontage Road Gravity Sewer Line - 226th to 233rd Ave	Dev	???	Yes	Stobie	
12	Wetland Delimitation Study (Prior to Project #11)	City	N/A	Yes	Parametrix	
13	Northern Frontage Road Gravity Sewer Line - 220th to 225th Ave	Dev	Dev	No	Dev	
14	Southern Frontage Road Gravity Sewer Line - 220th to 226th Ave	Dev	Dev	No	Dev	
	Future Projects					
15	Reconstruct-Enlarge Lift Station 18 (In Front of Safeway)	City-Dev	City-Dev	???	City	
16	Lower 214th Ave Sewer Line - 106th Street to SR410	Dev	Dev	???	Dev	
17	Temporary Private Lift Station and Gravity Line (Kane Project)	Dev	Dev	No	Dev	
18	Southern Frontage Road Sewer Line - 214th to 220th Ave	Dev	Dev	???	Dev	
19	Enlarge SR410 Sewer Gravity Line - 204th Ave to Angeline Rd. (LS17)	City-Dev	City-Dev	???	City-Dev	
20	Reroute Mountain Creek Force Main - From 230th Ave to 226th Ave	City	City	No	City	
21	2014 WWTP Upgrade	City	City	No	City	

Action Item #3

COMMUNITY DEVELOPMENT COMMITTEE

DATE: July 19, 2010

ORIGINATOR: Dan Grigsby

TITLE: PW Director

SUBJECT: Authorize Mayor to sign the professional services contract with RH2 to prepare the Eastown Sewer Lift Station and Lift Station 18 Improvement design and construction contract documents.

As a result of several fast track scoping meetings and site visits by RH2 and City staff, RH2 has submitted the attached Scope of Work and NTE cost estimate to design the Eastown Sewer Lift Station on the WSDOT Stormwater Pond B site north of 96th Street. Subject to Pierce County permitting times, the design could be done by March 2011, with construction completed in 2011 as well.

This contract will prepare a basin study to determine the sizing of the new lift station and impact on existing LS18. This contract has been divided into two phases:

---- Phase 1 is the core project that includes the two lift stations, pressure/gravity sewer line on 96th Street west to 214th Ave downstream from the new lift station, and boring under SR410 in front of Safeway. Phase I cost is \$297,064.

---- Phase 2 is the gravity sewer line, upstream from the new lift station on 96th Street, west to 236th Avenue and south to SR410 between the Bowen and Watt properties. It will connect to the new sewer line bored under SR410 by a separate contract. This phase is optional, but considered essential to provide a cost effective and timely means for developers to connect to the sewer system. Phase II cost is \$73,285. Phase I and II TOTAL cost = \$370,350.

---- Phase 3 is not included in this contract, but would include design of the Northern Frontage Road gravity sewer line from the Bowen Property line to 233rd Avenue. Design would be accomplished by a private developer who becomes a partner in the ULA formation. Construction and a separate wetland study would need to be accomplished for this contract by the City.

---- Phase 4 is not included in this contract, but design is nearly complete to construct a sewer line under SR410 at 226th Avenue by the City.

---- Gravity sewer lines across and West of the Compass Pointe development to the lift station will be designed and built by those property owners. Public Access/Utility Easements will be required for the Northern frontage road on those properties.

---- Gravity sewer lines on the Southern Frontage road to SR410 at 226th Ave will be designed and built by those property owners/developers.

Attachments: Resolution, Contract, Exhibits A thru D

ORDINANCE/RESOLUTION: 2058

REQUEST OR RECOMMENDATION BY ORIGINATOR:

---- Recommend City Council authorize design contract award to RH2 for both Phase I and Phase II = \$370,350.

---- Request guidance on whether or not City will fund construction of this contract when design is completed. Reconfirm that this is dependent on receipt of easements from all property owners East and South of Compass Pointe development.

---- Request guidance on whether or not City will fund construction of gravity sewer line in the Northern Frontage Road from Bowen property to 233rd Avenue.

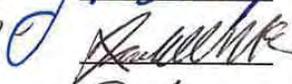
**ISSUE AND DOCUMENTS HAVE BEEN REVIEWED AND APPROVED BY THE
FINANCE DIRECTOR _____
CITY ATTORNEY _____**

<u>2010 Budget Amount</u>	<u>Current Balance</u>	<u>Required Expenditure</u>	<u>Remaining Balance</u>
\$1,742,000	\$1,742,000	370,350	\$1,371,650

Explanation:

2010 Sewer CIP budget: "Eastown ULA: Lift Station, Pressure Line, LS18 Upgrade"

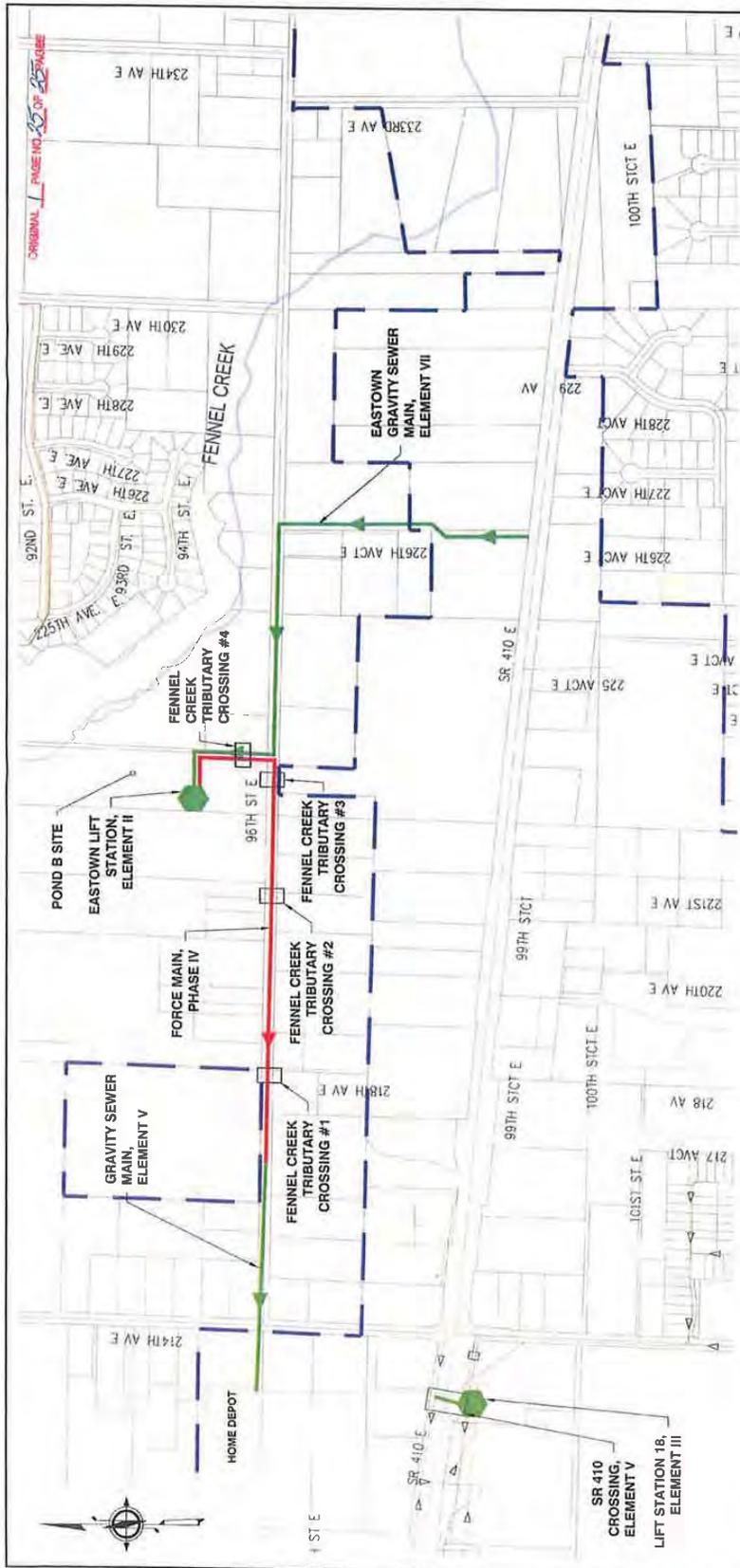
COMMITTEE ACTION: RECOMMEND APPROVAL TO COUNCIL

	DATE	APPROVED	DISAPPROVED
James Rackley, Chairman	7.22.10		_____
Randy McKibbin	7/19/10		_____
Donn Lewis	DAN SWATMAN 7/16-10		_____

COMMITTEE COMMENTS: GO TO WORKSHOP

COMMITTEE'S RECOMMENDATION TO FORWARD TO:
 CITY CLERK
 CITY ATTORNEY

Please schedule for City Council Meeting date of: July 27, 2010
 Consent Agenda: Yes No



ORIGINAL PHASE NO. 25 OF 25 PAGES



J. Mark Nelson - Owner D

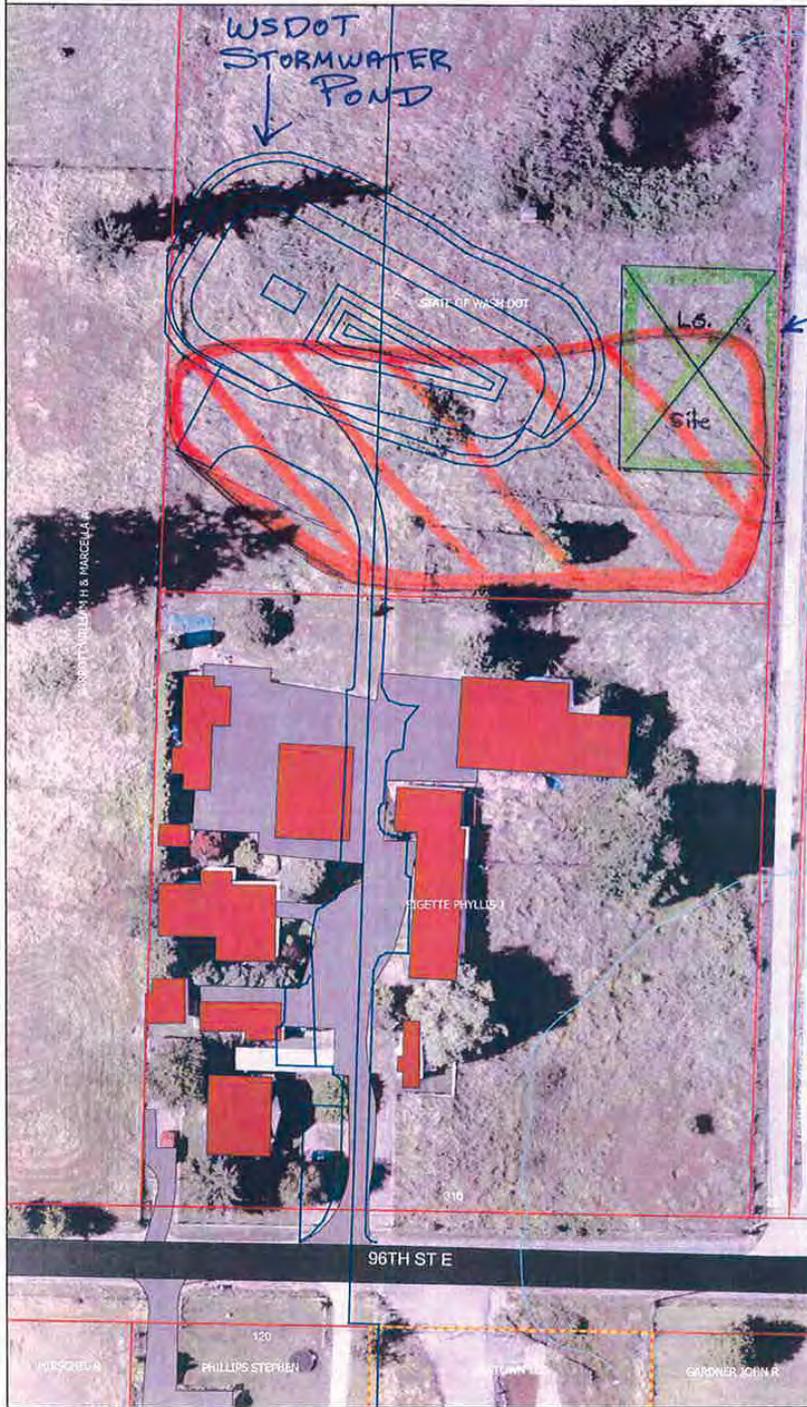
EXHIBIT D
PROPOSED EASTTOWN SEWER SYSTEM

1" = 200'

LEGEND

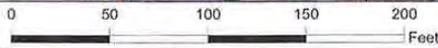
- PROPOSED GRAVITY SEWER
- PROPOSED FORCE MAIN
- LIFT STATION
- FENNEL CREEK TRIBUTARY CROSSING
- BONNEY LAKE CITY LIMITS
- BONNEY LAKE SEWER SERVICE AREA

Easttown Future WSDOT Stormwater Pond B



- Pond B
- Fennel Creek Tributaries
- Tax Parcels
- Building
- Paved Road
- Paved Driveway or Parking Lot
- Unpaved Driveway or Parking Lot
- City Limits - Bonney Lake

EASTTOWN
LIFT
STATION



July 7, 2010

From: Geoff Dillard [mailto:gdillard@rh2.com]
Sent: Wednesday, July 14, 2010 3:12 PM
To: Dan Grigsby; John Woodcock; Doug Budzynski
Cc: Harley Sandoval; Edwin Halim
Subject: Easttown - Updated SOW and Fee Estimate

Gentlemen, attached are the updated scope of work and fee estimate. We have divided the project into two phases. Phase 1 is the lift stations and downstream sewer improvements and represents the core project requirements. Phase 2 is the start of an upstream collection system and as we discussed is intended to be stand – alone and optional.

The bottom line fee for both phases is now at \$370,350. The main changes include:

- Shorter upstream alignment (decrease in costs)
- Refined costs from our surveyor (decrease in costs)
- Combining the lift station projects into one bid document (decrease in costs)
- Permitting effort necessary for a JARPA to cross the Fennel Creek tributary four times – see Exhibit D (increase in costs)

The following is a summary of the cost by project activity:

Project Activity	Engineering Fee	% of Construction
Basin Plan and Capacity Analysis	\$ 40,275	1.3%
Survey (6 sites total*)	\$ 29,986	1.0%
Geotechnical Borings (6 total**)	\$ 14,950	0.5%
Landscaping at Easttown Lift Station	\$ 4,600	0.1%
Permitting	\$ 84,970	2.7%
Technical Specifications	\$ 24,526	0.8%
Finalize Design Plans	\$ 24,972	0.8%
Service During Bidding including Plans	\$ 20,774	0.7%
Design	\$ 125,298	4.0%
TOTAL	\$ 370,350	11.8%

* 226th, 96th, access to Pond B, existing conveyance system downstream of Home Depot, LS 18 area, and SR 410 crossing.

** 2 at SR 410 crossing & 4 along deep sewer sections

Bid Documents (not including Permitting, Capacity Analysis and Basin Plan)	\$ 245,106	7.8%
---	------------	------

The costs do not include any premium to fast track the project and our based on the current construction climate. Please note that the actual “design” costs (\$125k) are about equal to the permitting and surveying costs (\$115k). The design of the proposed lift station is probably the most straight forward of all the elements because of the City’s standard details. However, design for

retrofitting LS 18, deep boring pits for the SR 410 crossing, and deep gravity sewer all require a more detailed effort.

Overall, the total effort required to produce bid documents (not including permitting and the basin plan and capacity analysis) is less than 8% of construction costs.

Let's discuss what other items we can provide to help clarify the costs.

Geoffrey G. Dillard, P.E.

Regional Manager

RH2 Engineering, Inc.

One Pacific Building

621 Pacific Avenue, Suite 104

Tacoma, WA 98042



Memorandum From
Daniel L. Grigsby, P.E.
Director, Public Works Department

Date: 30 July 2010

To: Mayor Johnson and City Council

Topic: Placement of Public Utilities In Roadways In Eastown

I continue to be asked why the sewer line cannot be built next to SR410. Here is the explanation:

Public utilities (water, sewer, stormwater) are installed within the public roadway for several reasons. The primary reasons are:

1. When the city maintains, repairs, or replaces utility lines, we do not need to go onto private property to do so. We do not need to tear up and rebuild sidewalks, curb and gutter, landscaping, fences or other structures built by the property owners.
2. We place utilities in the lower volume traffic road so we do not need to interfere with traffic on the higher volume road for maintenance/repairs.
3. If there is a leak of the sewer/water line, damage to private property is minimized.
4. Placing public ("wet") utilities in the street separates them from private ("dry") utilities. This results in less conflict in the limited area adjacent to the street for utilities and minimizes damages to each utility's infrastructure.

Placing the sewer line next to SR410:

1. WSDOT does not want utilities to be placed under their paved surfaces except to cross under the road. Where it is necessary to do so, the cost to comply with WSDOT design standards is high.
2. In Eastown, WSDOT is using up most of the ROW for widening. To put the sewer line parallel to SR410 would necessitate purchase of additional easements from private property owners. The cheaper alternative is to place them within existing road ROWs (96th Street) or the future frontage roads in Eastown without additional costs to the city.
3. Installation adjacent to SR410 would require cut, fill, and construction of retaining walls as well as much deeper sewer lines in some locations...unlike putting the sewer line under the existing roadway on 96th Street or under the future frontage roads.
4. Installation adjacent to SR410 would require construction of sewer lines much deeper than is practical for maintenance purposes. The only alternative to this is construction of additional sewer lift stations, which are not cost effective to build or to maintain.
5. Constructing the sewer line adjacent to SR410 means that every time we need access to the sewer line and manholes for maintenance or repair, we would be blocking traffic on SR410 with our equipment.
6. Constructing the sewer line adjacent to SR410 limits what can be built adjacent to SR410 by property owners/developers.

8720 Main Street E.
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Bonney Lake, WA 98391-0944

Page 1 of 2

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FAX (253)826-1921
grigsbyd@ci.bonney-lake.wa.us

7. Placing the public utility lines (wet utilities) adjacent to SR410 would place city utilities in competition with private utilities (dry utilities such as power, gas, and telephone/data lines, etc.) needing the same area to place utility lines underground. All utility lines in Easttown are required to be placed underground when development occurs per Bonney Lake Municipal Code 12.04.005.
8. WSDOT SR410 construction cannot be delayed until we reach 30% design on our sewer project. Once we reach 30% design for the new sewer lift station site, we will know where the gravity and sewer lines need to go. At that time, location of necessary easement and width can be determined. If we place sewer lines adjacent to SR410, we would need to tear up some of the sidewalks/retaining walls being built now by WSDOT.
9. Yes, we did place the water line adjacent to SR410 from 214th Avenue to 221st Avenue. This was done due to unique topography and based on where the existing water line was. The water line is under pressure and can be run at a constant depth under the ground unlike sewer lines that must have a slope in them. Unlike sewer lines that flow in one direction, we need the water line to loop in order to serve the Compass Pointe development in the future. The rest of the loop will be built under Compass Pointe roads and 96th Street when Compass Pointe develops. Construction of this water line had to occur during the widening of SR410. WSDOT built this water line extension much cheaper than the City could have.

In summary, when we developed the Easttown Sub-Area Plan, we had an opportunity to build the public infrastructure (roads and utilities) in a way that would minimize construction costs, minimize maintenance costs and maximize service to our customers. We have a one time opportunity to develop a master plan for public infrastructure throughout this entire area, instead of designing it one development at a time. This will benefit all property owners equally instead of giving priority to the first developments to be built. I believe that we will accomplish these goals with this plan. We will be flexible where possible, without disrupting the long term benefits of having prepared this plan as early as we did; such as, approving an alternate route for the sewer line in the Northern Frontage road.

If you have any ideas you would like me to explore further for you, please let me know.

Very Respectfully,



DAN

PROFESSIONAL SERVICES AGREEMENT

THIS PROFESSIONAL SERVICES AGREEMENT ("Agreement") is made and entered into this _____ day of _____, 2010, by and between the City of Bonney Lake ("City") and RHA ("Consultant").

The parties hereby agree as follows:

1. **Scope of Work.** The Consultant shall perform all work and provide all materials described in the Scope of Work set out in Exhibit A attached hereto and incorporated herein by this reference. Such work shall be performed using facilities, equipment and staff provided by Consultant, and shall be performed in accordance with all applicable federal, state and local laws, ordinances and regulations. The Consultant shall exercise reasonable care and judgment in the performance of work pursuant to this Agreement. The Consultant shall make minor changes, amendments or revisions in the detail of the work as may be required by the City, such work not to constitute Extra Work under this Agreement.
2. **Ownership of Work Product.** Documents, presentations and any other work product produced by the Consultant in performance of work under this Agreement shall be tendered to the City upon completion of the work, and all such product shall become and remain the property of the City and may be used by the City without restriction; *provided*, that any such use by the City not directly related to the particular purposes for which the work product was produced shall be without any liability whatsoever to the Consultant.
3. **Payment.** The Consultant shall be paid by the City for completed work and services rendered under this Agreement pursuant to the rates and charges set out in Exhibit B, attached hereto and incorporated herein by this reference. Such payment shall be full compensation for work performed or services rendered and for all labor, materials, supplies, equipment, and incidentals necessary to complete the work. All billings for compensation for work performed under this Agreement shall list actual time and dates during which the work was performed and the compensation shall be figured using the rates set out in Exhibit C; *provided*, that payment for work within the Scope of Work (Exhibit A) shall not exceed the fee/hour estimate set out in Exhibit B without written amendment to this Agreement, agreed to and signed by both parties.

Acceptance of final payment by the Consultant shall constitute a release of all claims, related to payment under this Agreement, which the Consultant may have against the City unless such claims are specifically reserved in writing and transmitted to the City by the Consultant prior to acceptance of final payment. Final payment shall not, however, be a bar to any claims that the City may have against the Consultant or to any remedies the City may pursue with respect to such claims.

The Consultant and its sub consultants shall keep available for inspection, by the City, for a period of three years after final payment, the cost records and accounts pertaining to this Agreement and all items related to, or bearing upon, such records. If any litigation, claim or audit is started before the expiration of the three-year retention period, the records shall be retained until all litigation, claims or audit findings involving the records have been resolved. The three-year retention period shall commence when the Consultant receives final payment.

4. **Changes in Work.** The Consultant shall make all revisions and changes in the work completed under this Agreement as are necessary to correct errors, when required to do so by the City, without additional compensation.

5. **Extra Work.** The City may desire to have the Consultant perform work or render services in addition to or other than work provided for by the expressed intent of the Scope of Work. Such work will be considered Extra Work and will be specified in a written supplement which will set forth the nature and scope thereof. Work under a supplement shall not proceed until authorized in writing by the City. Any dispute as to whether work is Extra Work or work already covered by this Agreement shall be resolved before the work is undertaken. Performance of the work by the Consultant prior to resolution of any such dispute shall waive any claim by the Consultant for compensation as Extra Work.

6. **Employment.** Any and all employees of Consultant, while engaged in the performance of any work or services required by the Consultant under this Agreement, shall be considered employees of the Consultant only and not of the City, and any and all claims that may or might arise under the Workman's Compensation Act on behalf of said employees, while so engaged; any and all taxes arising out of Consultant's or Consultant's employees' work under this Agreement; and any and all claims made by a third party as a consequence of any acts, errors, or omissions on the part of the Consultant's employees, while so engaged, shall be the sole obligation and responsibility of the Consultant, except as provided in Section 12 of this agreement. The Consultant's relation to the City shall at all times be as an independent contractor.

7. **Nondiscrimination and Legal Compliance.** Consultant agrees not to discriminate against any client, employee or applicant for employment or for services because of race, creed, color, national origin, marital status, gender, age or handicap except for a bona fide occupational qualification with regard to, but not limited to, the following: employment upgrading; demotion or transfer; recruitment or any recruitment advertising; layoff or termination; rates of pay or other forms of compensation; selection for training; and rendition of services. The consultant represents and warrants that it is in compliance with and agrees that it will remain in compliance with the provisions of the Immigration Reform and Control Act of 1986, including but not limited to the provisions of the Act prohibiting the hiring and continued employment of unauthorized aliens and requiring verification and record keeping with respect to the status of each of its employees' eligibility for employment. The consultant shall include a provision substantially the same as this

section in any and all contracts with sub consultants performing work required of the contractor under this contract. The consultant agrees to indemnify and hold the City harmless from any and all liability, including liability for interest and penalties, the City may incur as a result of the consultant failing to comply with any provisions of the Immigration Reform and Control Act of 1986. Consultant understands and agrees that if it violates this section, this Agreement may be terminated by the City, and that Consultant shall be barred from performing any services for the City in the future unless and until a showing is made satisfactory to the City that discriminatory practices have terminated and that recurrence of such action is unlikely.

8. **Term.** This Agreement shall become effective upon the day of its execution by both parties, and shall terminate upon completion of the work and delivery of all materials described in Exhibit A.

9. **Termination by City.** The City may terminate this Agreement at any time upon not less than ten (10) days written notice to Consultant, subject to the City's obligation to pay Consultant in accordance with subsections A and B below.

A. In the event this Agreement is terminated by the City other than for fault on the part of the Consultant, a final payment shall be made to the Consultant for actual cost of work complete at the time of termination of the Agreement. In addition, the Consultant shall be paid on the same basis as above for any authorized Extra Work completed. No payment shall be made for any work completed after ten (10) days following receipt by the Consultant of the termination notice. If the accumulated payment(s) made to the Consultant prior to the termination notice exceeds the total amount that would be due as set forth in this subsection, then no final payment shall be due and the Consultant shall immediately reimburse the City for any excess paid.

B. In the event the services of the Consultant are terminated by the City for fault on the part of the Consultant, subsection A of this section shall not apply. In such event the amount to be paid shall be determined by the City with consideration given to the actual costs incurred by the Consultant in performing the work to the date of termination, the amount of work originally required which was satisfactorily completed to date of termination, whether that work is in a form or of a type which is usable by the City at the time of termination, the cost to the City of employing another person or firm to complete the work required and the time which may be required to do so, and other factors which affect the value to the City of the work performed at the time of termination. Under no circumstances shall payment made under this subsection exceed the amount which would have been made if subsection A of this section applied.

C. In the event this Agreement is terminated prior to completion of the work, the original copies of all work products prepared by the Consultant prior to termination shall become the property of the City for its use without restriction; *provided*, that any such use by the

City not directly related to the particular purposes for which the work product was produced shall be without any liability whatsoever to the Consultant.

10. **Termination by Consultant.** Consultant may terminate this Agreement only in response to material breach of this Agreement by the City, or upon completion of the work set out in the Scope of Work and any Extra Work agreed upon by the parties.

11. **Applicable Law; Venue.** The law of the State of Washington shall apply in interpreting this Agreement. Venue for any lawsuit arising out of this Agreement shall be in the Superior Court of the State of Washington, in and for Pierce County.

12. **Indemnification / Hold Harmless**

Consultant shall defend, indemnify and hold the City, its officers, officials, employees and volunteers harmless from any and all claims, injuries, damages, losses or suits including attorney fees, arising out of or resulting from the acts, errors or omissions of the Consultant in performance of this Agreement, except for injuries and damages caused by the sole negligence of the City.

Insurance

The Consultant shall procure and maintain for the duration of the Agreement, insurance against claims for injuries to persons or damage to property which may arise from or in connection with the performance of the work hereunder by the Consultant, its agents, representatives, or employees.

A. Minimum Scope of Insurance

Consultant shall obtain insurance of the types described below:

1. Automobile Liability insurance covering all owned non-owned, hired and leased vehicles. Coverage shall be written on Insurance Services Office (ISO) form CA 00 01 or a substitute form providing equivalent liability coverage. If necessary, the policy shall be endorsed to provide contractual liability coverage.

2. Commercial General Liability insurance shall be written on ISO occurrence form CG 00 01 and shall cover liability arising from premises, operations, independent contractors and personal injury and advertising injury. The City shall be named as an insured under the Consultant's Commercial General Liability insurance policy with respect to the work performed for the City.

3. Workers' Compensation coverage as required by the Industrial Insurance laws of the State of Washington.

4. Professional Liability insurance appropriate to the Consultant's profession.

B. Minimum Amounts of Insurance

Consultant shall maintain the following insurance limits:

1. Automobile Liability insurance with a minimum combined single limit for bodily injury and property damage of \$1,000,000 per accident.

2. Commercial General Liability insurance shall be written with limits no less than \$1,000,000 each occurrence, \$2,000,000 general aggregate.

3. Professional Liability insurance shall be written with limits no less than \$1,000,000 per claim and \$1,000,000 policy aggregate limit.

C. Other Insurance Provisions

The insurance policies are to contain, or be endorsed to contain, the following provisions for Automobile Liability, Professional Liability and Commercial General Liability insurance:

1. The Consultant's insurance coverage shall be primary insurance as respect the City. Any insurance, self-insurance, or insurance pool coverage maintained by the City shall be excess of the Consultant's insurance and shall not contribute with it.

2. The Consultant's insurance shall be endorsed to state that coverage shall not be cancelled by either party, except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the City.

D. Acceptability of Insurers

Insurance is to be placed with insurers with a current A.M. Best rating of not less than A:VII.

E. Verification of Coverage

Consultant shall furnish the City with original certificates and a copy of the amendatory endorsements, including but not necessarily limited to the additional insured endorsement, evidencing the insurance requirements of the Consultant before commencement of the work.

13. **Subletting or Assigning.** The Consultant shall not sublet or assign any of the work covered by this Agreement without the express written consent of the City.

14. **Entire Agreement.** This Agreement represents the entire Agreement between the parties. No change, termination or attempted waiver of any of the provisions of the Agreement shall be binding on any party unless executed in writing by authorized representatives of each party. The agreement shall not be modified, supplemented or otherwise affected by the course of dealing between the parties.

15. **Waiver.** Failure by any party to this Agreement to enforce any provision of this Agreement or to declare a breach shall not constitute a waiver thereof, nor shall it impair any party's right to demand strict performance of that or any other provision of this Agreement any time thereafter.

16. **Severability.** If any provision of this Agreement or its application is held invalid, the remainder of the Agreement or the application of the remainder of the Agreement shall not be affected.

17. **Execution and Acceptance.** This Agreement may be executed in several counterparts, each of which shall be deemed to be an original having identical legal effect. The Consultant hereby ratifies and adopts all statements, representations, warranties, covenants, and agreements contained in the supporting materials submitted by the Consultant, and does hereby accept the Agreement and agrees to all of the terms and conditions thereof.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date first above written.

CITY OF BONNEY LAKE

CONSULTANT

By: _____
Neil Johnson Jr., Mayor

By: 
Tony V. Pardi, V.P.

Attachments:

Exhibit A: Scope of Work/Deliverables/Fee

EXHIBIT A: SCOPE OF WORK

The Consultant shall perform the following services as directed by the City:

Exhibit A
SCOPE OF WORK
City of Bonney Lake - Eastown Sewer Service Area
Eastown Sewer Lift Station Design and Lift Station 18 Improvements
Professional Engineering Services
July 14, 2010

BACKGROUND

In 2008 RH2 Engineering, Inc. (RH2) completed a Comprehensive Sewer System Plan (SSP) for the City of Bonney Lake (City), which included a conceptual layout for the commercial area known as Eastown. This concept was adopted and further supplemented to create a plan for development of this area. Currently, the City would like to move forward with the fundamental improvements necessary to serve this area, including, a proposed lift station (Eastown Lift Station), capacity improvements at an existing downstream lift station (Lift Station 18), the downstream force main and gravity mains necessary to serve the new lift station, and the core upstream collection system necessary to serve this new basin.

Overall, this project includes the construction of a new lift station, the retrofitting of an existing lift station, the construction of 7,200 linear feet (LF) of sewer main and one bored crossing of State Route 410 (SR 410). The City has tasked RH2 with the basin analysis and the design of these facilities.

Originally, two potential sites were available for the new lift station: (1) the Bowen property and (2) the Washington Department of Transportation (WSDOT) Pond B site. Based on the meetings between RH2 and the City, including site visits to both sites, it was decided that the WSDOT Pond B site is the most suitable for the proposed Eastown Lift Station. The Pond B site has two locations that may be suitable for the proposed lift station. RH2 will assess and evaluate both locations in terms of constructability, construction costs, accessibility, site security and maintenance issues. Once the final location is selected, RH2 will design a new lift station facility based on the City's established design standards.

Data presented in the SSP indicates that Lift Station 18 operates near design capacity and will not be able to accommodate the additional flows from the Eastown basin. The current condition of this facility needs to be assessed and improvements made to continue operation at the City's desired level of service.

A force main and gravity sewer will connect the proposed lift station to the existing system. The force main will be constructed from the new lift station and will extend west along 96th Street East to discharge into a proposed manhole in front of the City's Peaking Storage site (approximately 2,600 LF). The sewage will then flow by gravity from 96th Street East to the existing Home Depot system near the intersection of 214th Avenue East and 96th Street East (approximately 1,200 LF). A proposed crossing of SR 410 may also be necessary to increase the existing conveyance capacity to Lift Station 18 (approximately 300 LF). In addition, the Home Depot sewer system will need to be surveyed in order to verify its capacity.

Additionally, the City would like to construct the backbone of the gravity sewer system necessary to serve the main Eastown area. These improvements will put in place the core backbone of a system necessary to collect sewage from the areas north and south of SR 410 and convey it to the proposed lift station (approximately 3,100 LF). See **Exhibit D** for the location of the lift stations and proposed sewer main alignments.

MAJOR SCOPE ELEMENTS

For this Scope of Work the project is divided into two phases. The first phase includes the lift stations and downstream conveyance system improvements necessary to accommodate the Eastown development. The second phase can be accomplished now or at a later date and includes the core upstream elements necessary to construct the backbone collection system to serve the main areas of Eastown.

The major elements of this Scope of Work are summarized below.

PHASE 1

- Element I – Eastown Lift Station Site Evaluation and Capacity Analysis:
 - Site feasibility evaluation to determine the best location on the Pond B site for the proposed Eastown Lift Station.
 - Analysis to determine the required capacity of the proposed Eastown Lift Station and force main. Analysis to include loads from Mountain Creek development for built out capacity of proposed station.
 - Conceptual design for the collection system necessary to serve the Eastown area.
 - Capacity analysis to determine the necessary upgrades at Lift Station 18 to accommodate the Eastown area. It is assumed the upgrades to accommodate the additional capacity of the proposed Washington State University (WSU) development and to serve the existing Mountain View development will not be included at this time.
 - Capacity analysis of the existing gravity main from the Home Depot system to Lift Station 18, including a SR 410 crossing.
 - Determine percentage of Eastown Lift Station loading that is feasible with minor improvements to Lift Station 18.
- Element II – Eastown Lift Station Design.
 - Design will be based on the City’s established standard details.
 - Prepare legal description and site plan for property to be purchase from WSDOT.
- Element III – Lift Station 18 Improvements.
 - Determine the improvements necessary to accommodate the additional flow from the proposed Eastown Lift Station including upstream/downstream sewer lines and necessary easements.
 - Prepare a design of the required upgrades to Lift Station 18.
- Element IV – Lift Station Specification and Bid Documents
 - Prepare technical specifications for Elements II and III.
 - Prepare bid documents.
 - Provide engineering services during the bidding process.
- Element V – Downstream Force Main and Gravity Sewer Design.
 - Design a force main to connect the proposed Eastown Lift Station to the proposed gravity system.
 - A gravity sewer design has already been prepared as part of the City’s proposed Public Works Yard project located at the Peaking Storage site on 96th Street

East. This scope includes the effort necessary to incorporate that design into the contract documents to be bid as part of this Eastown project.

- o Design a SR 410 crossing and connection from the Home Depot system to Lift Station 18.
- Element VI – Permitting and Sub-consultant Coordination for the Lift Stations and Downstream System.

PHASE 2

- Element VII – Upstream Gravity Sewer Collection System Design.
 - o Design a gravity sewer upstream of the proposed Eastown Lift Station based on the conceptual design completed in Element I. This sewer main will be located along 96th Street East and along 226th Avenue East to the north side of SR 410.
 - o Prepare legal descriptions of necessary easements.
- Element VIII – Permitting for the Upstream Gravity Sewer System.

Included in the above elements are the following assumptions.

- RH2 will provide 50 percent, 90 percent (permit ready) and final construction plans, specifications and construction cost estimates for each of the four design elements of this scope (new lift station, Lift Station 18 upgrades, downstream force main and gravity sewer, and upstream gravity sewer collection system). For bidding purposed, it is assumed that there will be three separate projects. The design elements will be combined as follows.
 - o Bid No. 1 Lift Station 18 and Eastown Lift Station.
 - o Bid No. 2 Downstream Force Main, Gravity Sewer and SR 410 Crossing.
 - o Bid No. 3 Upstream Gravity Sewer.
- The bid documents will be delivered to the City in PDF format. Hard copies of the final plans and bid documents will be produce for RH2 and City archives.
- Support services during bidding to include up to two addenda during each bidding process for answering contractor questions, review of bidder qualifications and preparation of the letter of recommendation to award. Additional services for support during bidding can be authorized by amendment to this Scope of Work.
- Additional services for construction administration and observation can be authorized by amendment to this Scope of Work.

PHASE I

ELEMENT I – EASTOWN LIFT STATION SITE EVALUATION AND CAPACITY ANALYSIS

Task 1: Site Evaluation

This Scope of Work is limited to evaluating two potential locations at the WSDOT Pond B site. The City will provide wetland delineation; cultural resources review, and obtain necessary easements.

1. Evaluate the impacts to site of the cultural resources review information provided by the City.
2. Review existing topographic survey information and prepare two schematic site plans.
3. Evaluate the advantages and disadvantages for each location alternative and prepare a recommendation.

4. Provide up to 10 hours of RH2 staff time to support the City during easement acquisition process.

Task 2: Capacity Analysis

RH2 will perform a basin analysis based on available development data to size the proposed Eastown Lift Station and sewer improvements. The facilities will be sized for the 10-year and 20-year planning horizons. The City will provide Lift Station 18 as-builts, basin boundaries, growth projections and loading factors to be used in this analysis. In addition, RH2 will analyze the existing pumping capacity of Lift Station 18 to assess necessary improvements.

1. Meet with City staff to determine the service area boundary, preferred sewer alignments, establish adequate loading parameters and facility operation goals.
2. Obtain relevant data and perform basin analysis.
3. Field visit to Lift Station 18 to confirm as-built information and document the condition of the facility.
4. Analyze Lift Station 18 pumping data for remaining capacity.
5. Analyze existing capacity of the sewer mains downstream of Home Depot.
6. Prepare Basin Plan for the Eastown area showing core alignments and documenting sizing criteria and results.
7. Meet with City staff to report findings and sizing of the lift stations.

For the purpose of this scope the following assumptions have been made.

- Capacity for the existing Mountain Creek development will be included in the capacity analysis of the proposed Eastown Lift Station. The connection to Mountain Creek is not part of this contract.
- Capacity for the proposed WSU development and existing Mountain Creek development will not be included in the capacity analysis of Lift Station 18.
- The City prefers that only limited upgrades be made to Lift Station 18 at this time since future improvements will be needed for the WSU and Mountain Creek developments. RH2 will only analyze the pumping capacity of Lift Station 18. Upgrades to the wetwell capacity and replacing existing electrical equipment are not included in this scope.
- Improvements will be recommended based on the City's input and goals for level of service.
- The conveyance system downstream of Lift Station 18 is assumed to be properly sized and in good working condition. Its analysis is not part of this Scope of Work.

Deliverables

1. City deliverables
 - Cultural resources review information for the WSDOT Pond B site.
 - Basin development planning concepts.
 - As-builts for Lift Station 18.
 - Access easement.
 - Water consumption data, historical Lift Station 18 operational data, and other available basin data.
2. RH2 deliverables
 - Base map of location alternatives.

- Proposed Basin Plan.
- Proposed capacity for the proposed Eastown Lift Station.
- Proposed capacity improvements for Lift Station 18.
- Proposed improvement concepts for conveyance improvements downstream of the Home Depot system.

ELEMENT II – EASTOWN LIFT STATION DESIGN

Task 1: Design Plans

Develop design plans for the proposed Eastown Lift Station based on the capacity analysis and site location recommendations of Element I.

1. Obtain survey for Pond B site and proposed access road. Coordinate with the RH2 sub-consultant land surveyor to provide horizontal and vertical survey control and topographic information, including all surface features, underground utilities, topography, roadway and utility alignments, rights-of-way, property lines and easements. Coordinate pre-marking of the existing water, sewer and gas mains; power; telephone; television (cable); and other services prior to the survey. Contact utility companies to obtain current as-built drawings for the project area. It is assumed the City will obtain the drawing from WSDOT Pond B construction that is currently ongoing. Field visits will be performed to confirm survey information.
2. Format survey data for use in AutoCAD 2007, prepare a preliminary site plan and provide information for legal descriptions.
3. Provide up to 20 hours of limited geotechnical review of the site. RH2 staff will review available geotechnical information from WSDOT and conduct a site visit to evaluate potential concerns and make design recommendations. This Scope of Work and Fee Estimate may need to be expanded if concerns are discovered during this limited site review. The City will provide backhoe for geotechnical exploration.
4. Size and select pumps based on results and recommendations from Element I.
5. Perform structural calculations for the proposed Eastown Lift Station building, fence, and gate.
6. Prepare design plans for the proposed improvements based on the City's existing lift station standard details.
7. Incorporate the City's standard requirements into the development of mechanical plans and elevations.
8. Prepare electrical and telemetry plans.
9. Prepare for and attend meetings with City staff for 50 and 90 percent design reviews.
10. Incorporate review comments based on 50 and 90 percent design review meetings.

Deliverables

1. City deliverables
 - All necessary easements.
2. RH2 deliverables
 - Survey for Pond B site.
 - Standard design plan sheets and engineer's estimate for 50 and 90 percent review and final plans. Three half-size sets each at 50 percent, 90 and 99 percent review.

ELEMENT III – LIFT STATION 18 IMPROVEMENTS

Task 1: Design Plans

Develop design plans for the Lift Station 18 improvements based on the recommendations of Element I. It is assumed that the larger pumping capacity will only require minor electrical upgrades such as breaker replacements and upsizing wire. Subsequent authorization is needed if the City requires bigger pumps that will need all electrical equipment upgrades. City will determine existing easements and property to be surveyed.

1. Obtain site survey for the Lift Station 18 area. Coordinate with the RH2 sub-consultant land surveyor to provide horizontal and vertical survey control and topographic information, including all surface features, underground utilities, topography, roadway and utility alignments, rights-of-way, property lines and easements. Coordinate pre-marking of the existing water, sewer and gas mains; power; telephone; television (cable); and other services prior to the survey. Contact utility companies to obtain current as-built drawings for the project area.
2. Format survey data for use in AutoCAD 2007 and prepare a preliminary improvements plan. Meet with City staff to verify extent of improvements.
3. Size and select pumps.
4. Evaluate impacts of larger pumps on Lift Station 18.
5. Prepare minor electrical and control modifications to accommodate upgrades.
6. Develop design plans for the proposed improvements.
7. Prepare for and attend meetings with City staff for 50 and 90 percent design reviews.
8. Incorporate review comments based on 50 and 90 percent design review meetings.

Deliverables

1. City deliverables
 - All necessary easements.
2. RH2 deliverables
 - Survey of existing Lift Station 18 area.
 - Standard design plan sheets and engineer's estimate for 50 and 90 percent review and final plans. Three half-size sets each at 50 percent, 90 and 99 percent review.

ELEMENT IV – LIFT STATION SPECIFICATIONS AND BID DOCUMENTS

Task 1: Specifications and Bid Documents

Complete preliminary specifications and construction cost estimate.

1. Prepare specifications using the RH2 technical specifications tailored for this project.
2. Update the standard specifications and general conditions as warranted for this project.
3. Prepare bid documents for the City's review.
4. Prepare a budget level construction cost estimate at 30 percent design.
5. Prepare review sets and obtain City staff comments.

Task 2 – Finalize Plans, Specifications and Bid Documents

Finalize construction plans, cost estimates and specifications.

1. Finalize plans and perform an in-house, detailed engineering review of the construction design plans to ensure quality and conformance with project requirements and City standards.
2. Attend a meeting with City staff to review final plans and specifications and obtain staff comments.
3. Revise plans, specifications and bid documents per the in-house review and City input.
4. Prepare bid quantities and an engineer’s construction cost estimate based on the final plans.

Task 3 – Services During Bidding and Award

Provide engineering services during the bidding and award processes of the project. It is assumed that RH2 will not attend bid opening and that the City will prepare bid tabulation.

1. Produce documents for bidding and prepare the bid advertisement for newspapers. The City will submit the advertisement to newspapers. City will distribute bid documents and maintain the planholder’s list.
2. The City will receive and tabulate all inquiries and forward as necessary to RH2 for response. RH2 will prepare up to two addenda for City distribution as necessary.
3. Prepare construction plan sets and specifications for pre-construction meeting.

Deliverables

1. City deliverables
 - Bid tabulation.
2. RH2 deliverables
 - Survey of existing Lift Station 18 area.
 - Standard design plan sheets and engineer’s estimate for final review. Final construction cost estimate will be provided to the City during the final review.
 - Two sets of draft specifications will be provided at 90 percent review and final review for City comment and approval.
 - The bid documents including the plans will be provided to bidders in PDF format. A total of 8 sets of bid documents: 5 sets for City use and 3 sets for RH2’s files and staff use during bidding. It is assumed that the plan set will consist of a maximum of 30 sheets.
 - Up to two addenda.
 - Three full-size and three half-size construction plan sets.

ELEMENT V – DOWNSTREAM FORCE MAIN AND GRAVITY SEWER DESIGN

Task 1: Force Main Design

Develop construction plans for the force main that will connect the proposed Eastown Lift Station to the proposed gravity sewer main to be located on 96th Street East near the City’s Peaking Storage site.

1. Obtain site survey for the force main alignment. Coordinate with the RH2 sub-consultant land surveyor to provide horizontal and vertical survey control and topographic information, including all surface features, underground utilities, topography, roadway and utility alignments, rights-of-way, property lines and easements. Coordinate pre-marking of the existing water, sewer and gas mains; power; telephone; television (cable); and other services prior to the survey.

- Contact utility companies to obtain current as-built drawings for the project area. Format survey to create design base map.
2. Provide up to 4 hours of limited geotechnical investigation to ascertain further exploration needs. Incorporate investigation results in the construction plans.
 3. Perform a field visit to verify survey data.
 4. Create a preliminary alignment and perform a walkthrough of the proposed alignment with City staff to verify proposed improvements and select a final alignment.
 5. Develop construction plans for the proposed force main to include Pierce County Critical Areas requirements for the four Fennel Creek Tributaries' crossings as recommended in Element VI of this scope.
 6. Develop connection details and other miscellaneous sewer details.
 7. Prepare for and attend meetings with City staff for 50 and 90 percent design reviews.
 8. Incorporate review comments based on 50 and 90 percent design review meetings.

Task 2: Gravity Sewer Design

Incorporate the existing RH2 design of the proposed Public Works Yard gravity sewer main and connection to the City's system at Home Depot into the project plan set.

1. Incorporate the design of the proposed gravity sewer main and develop construction plans.

Task 3 – SR 410 Crossing (Connection to Lift Station 18) at 213th Avenue East

1. Obtain site survey for the SR 410 crossing and sewer system between Home Depot and Lift Station 18. Coordinate with the RH2 sub-consultant land surveyor to provide horizontal and vertical survey control and topographic information, including all surface features, underground utilities, topography, roadway and utility alignments, rights-of-way, property lines and easements. Coordinate pre-marking of the existing water, sewer and gas mains; power; telephone; television (cable); and other services prior to the survey. Contact utility companies to obtain current as-built drawings for the project area. Format survey to create a design base map.
2. Provide up to 8 hours of limited geotechnical investigation to ascertain further exploration needs. Incorporate investigation results in the construction plans.
3. Perform site visit to verify survey data.
4. Prepare a design for the SR 410 boring crossing and preliminary construction cost estimate. It is assumed that any required permitting or coordination with WSDOT and the City will be handled by City staff.
5. Prepare for and attend meetings with City staff for 50 and 90 percent design reviews.
6. Incorporate review comments based on 50 and 90 percent design review meetings.

Task 4 – Prepare Specifications and Bid Quantities

Complete preliminary specifications and a construction cost estimate.

1. Prepare specifications using the RH2 technical specifications tailored for this project.
2. Update the standard specifications and general conditions as warranted for this project.

3. Prepare bid documents for the City's review.
4. Prepare a budget level construction cost estimate at 30 percent design.
5. Prepare review sets and obtain City staff comments.

Task 5 – Finalize Plans, Specifications and Bid Documents

Finalize construction plans, cost estimates and specifications.

1. Finalize plans and perform an in-house, detailed engineering review of the construction design plans to ensure quality and conformance with project requirements and City standards.
2. Attend a meeting with City staff to review final plans and specifications and obtain staff comments.
3. Revise plans, specifications and contract documents per the in-house review and City input.
4. Prepare bid quantities and engineer's cost estimate based on the final plans.

Task 6 – Services During Bidding and Award

Provide engineering services during the bidding and award processes of the project.

1. Produce construction documents for bidding and prepare the bid advertisement for newspapers. The City will submit the advertisement to newspapers.
2. The City will receive and tabulate all inquiries and forward as necessary to RH2 for response. RH2 will prepare necessary addenda.
3. Prepare construction plan sets for pre-construction meeting.

Deliverables

1. City deliverables
 - Bid tabulation.
2. RH2 deliverables
 - Survey of downstream 96th Street East ROW.
 - Survey of SR 410 crossing area.
 - Standard design plan sheets and engineer's estimate for 50 and 90 percent review and final plans. Three half-size sets each at 50 percent, 90 percent and final review. Final construction cost estimate will be provided to the City during the final review.
 - Two sets of draft specifications will be provided at 90 percent review and final review for City comment and approval.
 - The bid documents including the plans will be provided to bidders in PDF format. A total of 8 sets of bide documents: 5 sets for City use and 3 sets for RH2's files and staff use during bidding. It is assumed that the plan set will consist of a maximum of 20 sheets.
 - Up to two addenda.
 - Three full-size and three half-size construction plan sets.

ELEMENT VI – PERMITTING AND SUB-CONSULTANT COORDINATION FOR THE LIFT STATIONS AND DOWNSTREAM SEWER SYSTEM

For the purpose of this scope the following assumptions have been made.

- RH2 will have the primary permitting responsibility for this project with assistance from the City as needed. Due to the difficulty in predicting the necessary coordination involvement required with Pierce County the fee estimate is limited to the hours listed. Additional authorization may be needed based on the level of Pierce County coordination involved.
- Building, fire, ROW, driveway, gate, Administrative Design Review (ADR), tree conservation and landscape permitting for the proposed Eastown Lift Station will be done through Pierce County.
- All permitting for the Lift Station 18 improvements will be done through the City.
- The City will be the lead agency for the State Environmental Policy Act (SEPA) which will cover all projects.
- The City will be the lead agency for the site development permitting for the Eastown Lift Station.
- WSDOT will allow the City to construct the proposed improvements for the SR 410 crossings, which will be accomplished via borings.
- The lift station locations are outside any wetland buffer. Wetland permitting or mitigation for the lift stations are not required and are not reflected in this scope.
- The City will be responsible for coordinating permitting activities for SR 410 crossing.
- The City will coordinate with Home Depot and Safeway for the construction easements necessary for these improvements.
- All necessary utility, access, and temporary easements will be obtained by the City.
- It is assumed that a Conditional Use Permit will not be required for this project.
- It is assumed frontage improvements will not be required for this project; therefore, frontage improvements are not part of this scope.
- It is assumed that access road improvements will not be required for this project. It is assumed that the access road will be restored to original conditions and a gate will be installed at the entrance of the WSDOT property.

Task 1: Eastown Lift Station Permitting

Assist the City with permitting requirements for this element of the project. This effort includes preparing applications for building, landscaping, planning, ROW, site development, grading and environmental permit requirements.

1. Provide City staff technical information for preparation of SEPA checklist.
2. Coordinate with City staff and prepare building permit forms for proposed improvements.
3. Coordinate with City staff and prepare planning and land use forms and permit applications.
4. Coordinate with City staff and prepare grading permit forms and plans applicable to proposed improvements. Incorporate these items into the construction and contract plans.
5. Coordinate with City staff and prepare site development forms and permit applications. Incorporate these items into construction and contract plans.
6. Coordinate with City staff and prepare stormwater, temporary erosion control and site development permit applications and reports.

7. Provide up to 10 hours of RH2 staff time to coordinate with City and WSDOT representatives for easement amendment and negotiation.
8. Prepare landscaping plan, site inventory, and tree conservation plan as required by permits.
9. Coordinate, prepare for and attend predevelopment conference at Pierce County.
10. Coordinate, prepare for and attend building and fire conference at Pierce County.
11. Coordinate, prepare for and attend intake meeting at Pierce County.

Task 2: Lift Station 18 Upgrades Permitting

Coordinate with City staff during permitting activities. This effort includes preparing applications for building permit and coordinating with City staff.

1. Coordinate with City staff and prepare building permit forms for proposed improvements.

Task 3: Downstream Force Main and Gravity Sewer Permitting

Assist the City with permitting requirements for this element of the project. This effort includes preparing applications for ROW, excavation and environmental permit requirements.

1. Coordinate with City staff and prepare excavation permit forms and plans applicable to proposed improvements. Incorporate these items into the construction and contract plans.
2. Coordinate with City staff and prepare ROW permit forms and applications.
3. Provide up to 10 hours of RH2 staff time to coordinate with City and WSDOT for SR 410 crossing.
4. Provide up to 10 hours of RH2 staff time to coordinate with City staff, Home Depot, and Safeway.
5. Perform a site visit to characterize and delineate critical areas within the alignment Pierce County Critical Areas Code. It is assumed that four Fennel Creek Tributaries will be crossed by this alignment.
6. Prepare Critical Areas Report and Joint Aquatic Permit Application (JARPA) for Hydraulic Project Approval (HPA).

Task 4: Sub-consultant Coordination

Assist the City with the coordination of sub-consultants. It is anticipated that a surveyor and a landscape architect will be needed for this project.

1. Coordinate with landscape architect to develop landscaping plan, site inventory, and tree conservation plan. Landscaping will be designed to provide screening of the proposed emergency generator building and the wetwell from the adjacent neighbors. Landscape architect will be contracted through RH2.
2. Coordinate with the City's wetland specialist for delineation of wetlands and wetland buffers. Wetland specialist will be contracted directly through the City.

Deliverables

1. City deliverables
 - All permit fees shall be paid for by the City.
 - Wetland delineation.

2. RH2 deliverables

- Landscape plans for the proposed Easttown Lift Station as required by reviewing agencies.
- Completed permit application forms and background documentation for submittal to authorities with jurisdiction.

NOTE: The following Permits are included in this Scope of Work and Fee Estimate:

- Building;
- Fire;
- ROW;
- Driveway and turnaround;
- Gate;
- Clearing and Grading;
- ADR;
- Emergency Vehicle Access (EVA);
- SEPA (support to City only);
- JARPA/IIPA;
- Critical Area Compliance Report;
- Site Inventory;
- Tree conservation; and
- Site development.

Services for additional permits or resubmittals will be accommodated by amendment to this Scope of Work as required.

PHASE II**ELEMENT VII – UPSTREAM GRAVITY SEWER DESIGN****Task 1: Gravity Sewer Collection System Design**

Based on the analysis and sizing performed in Element I, develop preliminary and construction plans for the gravity sewer collection system design. The Easttown sewer basin is located east and south of the proposed Easttown Lift Station. The proposed alignment for this section of sewer main is east along 96th Street East from the proposed Easttown Lift Station and then south along the 226th Avenue East corridor to SR 410 (north side). For this Element, the following assumptions have been made.

- It is assumed is assumed that critical area compliance will not be required for this element.
- The fence on the Watt property (driving range) will not be impacted by this alignment.
- The proposed alignment will be outside any wetland, wetland buffers or critical area and that critical area compliance will not be required.
- The alignment will be 50 feet away from the private well on the adjacent property owned by Jason West (parcel number 0519025014).

Obtain site survey for the sewer alignment along 96th Street East ROW and 226th Avenue East corridor, Rocky and Bowen properties. Format survey to create design base map. RH2 will be responsible for contracting efforts with surveyor.

1. Provide up to 24 hours of limited geotechnical investigation including four borings of deep sewer section. Also, ascertain further exploration needs. Incorporate investigation results in the construction plans.
2. Site reconnaissance to ground truth the survey drawing information.
3. Develop preliminary gravity sewer alignment based on the conceptual design completed in Element I.
4. Meet with City staff to discuss preliminary alignment preliminary cost estimate.
5. Develop gravity sewer design plans.
6. Prepare for and attend meetings with City staff for 50 and 90 percent design reviews.
7. Incorporate review comments based on 50 and 90 percent design review meetings.

Task 2: Specifications and Bid Documents

Complete preliminary specifications and construction cost estimate.

1. Prepare specifications using the RH2 technical specifications tailored for this project.
2. Update the standard specifications and general conditions as warranted for this project.
3. Prepare bid documents for the City's review.
4. Prepare a budget level construction cost estimate at 30 percent design.
5. Prepare review sets and obtain City staff comments.

Task 3 – Finalize Plans, Specifications and Bid Documents

Finalize construction plans, cost estimates and specifications.

1. Finalize plans and perform an in-house, detailed engineering review of the construction design plans to ensure quality and conformance with project requirements and City standards.
2. Attend a meeting with City staff to review final plans and specifications and obtain staff comments.
3. Revise plans, specifications and bid documents per the in-house review and City input.
4. Prepare bid quantities and an engineer's construction cost estimate based on the final plans.

Task 4 – Services During Bidding and Award

Provide engineering services during the bidding and award processes of the project. It is assumed that RH2 will not attend bid opening and that the City will prepare bid tabulation.

1. Produce documents for bidding and prepare the bid advertisement for newspapers. The City will submit the advertisement to newspapers. City will distribute bid documents and maintain the planholder's list.
2. The City will receive and tabulate all inquiries and forward as necessary to RH2 for response. RH2 will prepare up to two addenda for City distribution as necessary.
3. Prepare construction plan sets and specifications for pre-construction meeting.

Deliverables

1. City deliverables
 - Bid tabulation.

2. RH2 deliverables

- Survey for upstream 96th Street East ROW and 226th Avenue East corridor.
- Standard design plan sheets and engineer's estimate for 50 and 90 percent review and final plans. Three half-size sets each at 50 percent, 90 percent and final review. Final construction cost estimate will be provided to the City during the final review.
- Two sets of draft specifications will be provided at 90 percent review and final review for City comment and approval.
- The bid documents including the plans will be provided to bidders in PDF format. A total of 8 sets of bid documents: 5 sets for City use and 3 sets for RH2's files and staff use during bidding. It is assumed that the plan set will consist of a maximum of 24 sheets.
- Up to two addenda.
- Three full-size and three half-size construction plan sets.

ELEMENT VIII – PERMITTING FOR THE UPSTREAM GRAVITY SEWER

Task 1: Upstream Gravity Sewer Permitting

Assist the City with permitting requirements for this element of the project. This effort includes preparing applications for ROW, excavation, tree cutting and environmental permit requirements. For this Element it is assumed that the proposed alignment will be outside any wetland buffers and that critical area compliance will not be required.

1. Coordinate with City staff and prepare excavation permit forms and plans applicable to proposed improvements. Incorporate these items into the construction and contract plans.
2. Coordinate with City staff and prepare permit forms and applications for sewer main installation within wetland buffer area and critical area compliance.
3. Coordinate with City staff and prepare ROW permit forms and applications.

Deliverables

1. City deliverables
 - All permit fees shall be paid for by the City.
 - All necessary easements.
2. RH2 deliverables
 - Completed permit application forms and background documentation for submittal to authorities with jurisdiction.

NOTE: The following permits are included in this Scope of Work and Fee Estimate:

- ROW;
- SEPA (support to City only); and
- JARPA (done as part of Phase 1).

Exhibit B
 ESTIMATE OF TIME AND EXPENSE
 City of Bonney Lake - Eastown Sewer Service Area
 Eastown Sewer Lift Station Design and Lift Station 18 Improvements
 July 14, 2010

Description	Classification	Principal		Project Manager		Staff Engineer		Engineering Technician		Engr. Geologist		Word Processor		Total Hours	Total Labor	Subcontract Cost	Total Expense	Total Cost
		Professional VIII	Professional IV	Professional IV	Professional II	Professional I	Professional VI	Administrative II	Professional I	Professional VI	Administrative II							
PHASE 1																		
Billings Rates																		
		\$ 160.00	\$ 148.00	\$ 120.00	\$ 118.00	\$ 167.00	\$ 84.00											
ELEMENT I - Eastown Lift Station Site Evaluation and Capacity Analysis																		
Task 1 - Site Evaluation																		
1.1	Obtain site survey and utility information	3	5	4	2	1	11	5	1,585					11	5		108	1,693
1.2	Review and perform basin analysis	2	4	4	5	2	12	4	1,650					12	4		229	1,879
1.3	Obtain hydraulic capacity	2	2	2	5	5	23	5	2,876					23	5		349	3,225
1.4	Limit subcontract requirements	5	2	2	2	1	10	1	1,450					10	1		133	1,583
Subtotal		14	11	11	13	7	56	15	7,571					56	15		743	8,314
Task 2 - Capacity Analysis																		
2.1	Attend meeting with City staff	4	4	4	4	2	18	4	2,438					18	4		233	2,671
2.2	Review and perform basin analysis	5	5	10	5	2	27	5	3,683					27	5		313	4,096
2.3	Attend meeting with City staff	6	6	6	6	2	29	6	3,923					29	6		358	4,281
2.4	Attend meeting with City staff	3	3	3	3	2	12	3	1,650					12	3		153	1,803
2.5	Analyze and prepare for lift station	10	17	12	6	1	29	10	3,693					29	10		329	3,922
2.6	Prepare for and meet with City staff	5	5	5	5	1	21	5	2,876					21	5		261	3,137
2.7	Prepare for and meet with City staff	5	5	5	5	1	21	5	2,876					21	5		261	3,137
Subtotal		36	69	69	47	13	151	36	23,249					151	36		2,572	25,821
ELEMENT II - Eastown Lift Station Design and Capacity Analysis																		
Task 1 - Design																		
1.1	Obtain site survey and utility information	3	3	3	3	2	12	3	1,750					12	3		143	1,893
1.2	Formulate and prepare preliminary design	2	2	2	2	1	8	2	1,050					8	2		128	1,278
1.3	Provide technical review	2	2	2	2	1	8	2	1,050					8	2		128	1,278
1.4	Size and select pumps	2	15	6	3	12	37	5	5,051					37	5		377	5,428
1.5	Prepare preliminary design	2	10	6	12	12	34	5	4,566					34	5		409	4,975
1.6	Prepare preliminary design	2	10	6	12	12	34	5	4,566					34	5		409	4,975
1.7	Incorporate the City standards into plans	2	10	6	12	12	34	5	4,566					34	5		409	4,975
1.8	Prepare electrical and control plans	2	24	9	16	16	47	5	6,311					47	5		527	6,838
1.9	Attend meetings with City staff for 50 and 70 percent design reviews	2	4	4	4	2	12	4	1,836					12	4		153	1,989
2.0	Incorporate review comments	1	2	2	2	1	5	1	1,210					5	1		141	1,351
Subtotal		23	95	54	116	2	306	54	41,803					306	54		4,096	46,899
ELEMENT III - Eastown Lift Station Design																		
Task 1 - Design																		
1.1	Obtain site survey and utility information	1	2	2	2	2	9	1	1,210					9	1		143	1,353
1.2	Formulate and prepare preliminary design	1	10	6	10	10	27	2	3,683					27	2		343	3,926
1.3	Site and select pumps	1	18	8	30	30	27	2	3,683					27	2		343	3,926
1.4	Evaluate analysis of layer pumps on the lift station	1	10	6	10	10	27	2	3,683					27	2		343	3,926
1.5	Prepare final electrical and control modifications	1	8	6	10	10	30	3	3,750					30	3		404	4,154
1.6	Design plans for proposed improvements based on Phase I	1	8	8	12	12	30	5	2,856					30	5		386	3,242
1.7	Attend meetings with City staff for 50 and 70 percent design reviews	4	4	4	4	4	12	4	1,836					12	4		197	2,033
1.8	Incorporate review comments	1	2	2	2	2	9	1	1,210					9	1		127	1,337
Subtotal		11	54	40	82	3	180	54	25,094					180	54		2,815	30,209

Subtotal LIFT Station 18 Improvements Tasks										
Task	11	54	40	82	3	190	\$ 25,094	\$ 2,300	\$ 2,415	\$ 30,209
ELEMENT IV: LIFT STATIONS Specifications and Bid Documents										
Task 1 Specifications and Bid Documents										
1.1	3	10	5	-	3	22	\$ 3,002	\$ -	\$ 180	\$ 3,182
1.2	3	4	6	-	4	17	\$ 2,172	\$ -	\$ 159	\$ 2,331
1.3	3	4	6	-	4	19	\$ 2,408	\$ -	\$ 224	\$ 2,632
1.4	3	2	6	-	2	15	\$ 1,862	\$ -	\$ 205	\$ 2,067
1.5	3	4	6	-	4	15	\$ 2,044	\$ -	\$ 181	\$ 2,225
Subtotal	15	24	30	4	15	88	\$ 11,628	\$ -	\$ 4,000	\$ 12,628
Task 2 Finalize Plans, Specifications and Bid Documents										
2.1	4	10	3	8	2	27	\$ 3,672	\$ -	\$ 552	\$ 4,224
2.2	3	6	3	-	3	14	\$ 1,852	\$ -	\$ 422	\$ 2,274
2.3	3	6	3	-	3	14	\$ 1,852	\$ -	\$ 422	\$ 2,274
2.4	3	6	3	10	4	26	\$ 3,260	\$ -	\$ 485	\$ 3,745
Subtotal	13	28	12	18	10	81	\$ 10,636	\$ -	\$ 1,589	\$ 12,465
Task 3 Services During Bidding and Award										
3.1	3	6	6	6	6	27	\$ 3,506	\$ -	\$ 1,162	\$ 4,488
3.2	3	6	2	-	4	15	\$ 1,550	\$ -	\$ 65	\$ 1,615
3.3	3	6	2	4	4	19	\$ 2,422	\$ -	\$ 650	\$ 3,082
Subtotal	9	18	10	10	14	61	\$ 7,478	\$ -	\$ 1,906	\$ 9,584
ELEMENT V: Downstream Force Main and Gravity Sewer Design										
Task 1 Force Main Design										
1.1	1	-	-	3	-	4	\$ 534	\$ 8,970	\$ 270	\$ 9,774
1.2	1	-	-	-	4	4	\$ 668	\$ -	\$ -	\$ 668
1.3	1	2	4	3	-	10	\$ 1,352	\$ -	\$ 125	\$ 1,477
1.4	1	2	2	3	-	4	\$ 534	\$ -	\$ 270	\$ 804
1.5	1	2	2	3	-	6	\$ 1,862	\$ -	\$ 160	\$ 2,022
1.6	4	2	4	3	-	19	\$ 2,648	\$ -	\$ 470	\$ 3,118
1.7	1	2	2	3	-	6	\$ 1,022	\$ -	\$ 307	\$ 1,419
Subtotal	10	12	12	21	4	63	\$ 8,550	\$ 8,970	\$ 1,563	\$ 19,103
Task 2 Gravity Sewer Design										
2.1	2	4	-	8	-	14	\$ 1,782	\$ -	\$ 283	\$ 1,995
Subtotal	2	4	-	8	-	14	\$ 1,782	\$ -	\$ 283	\$ 1,995
Task 3 SR 410 Crossing (Connection to LIFT Station 18)										
3.1	1	-	-	10	-	11	\$ 1,350	\$ 3,680	\$ 206	\$ 5,276
3.2	1	6	6	6	6	25	\$ 3,336	\$ 3,450	\$ -	\$ 6,786
3.3	1	16	18	18	17	66	\$ 2,254	\$ -	\$ 248	\$ 2,512
3.4	6	16	18	34	33	103	\$ 6,494	\$ -	\$ 894	\$ 9,329
3.5	1	1	1	2	2	7	\$ 692	\$ -	\$ 253	\$ 945
3.6	1	1	1	2	1	6	\$ 692	\$ -	\$ 253	\$ 945
Subtotal	10	33	24	44	8	111	\$ 15,021	\$ 7,130	\$ 3,111	\$ 22,991
Task 4 Prepare Specifications and Bid Quantities										
4.1	1	3	-	-	4	8	\$ 853	\$ -	\$ 69	\$ 922
4.2	1	3	-	-	4	8	\$ 734	\$ -	\$ 99	\$ 833
4.3	1	3	-	-	4	8	\$ 1,853	\$ -	\$ 209	\$ 2,062
4.4	2	3	4	4	4	13	\$ 1,853	\$ -	\$ 209	\$ 2,062
4.5	2	3	2	4	4	15	\$ 1,853	\$ -	\$ 209	\$ 2,062
Subtotal	6	11	6	4	20	47	\$ 5,291	\$ -	\$ 676	\$ 5,921

**EXHIBIT C
RH2 Engineering
SCHEDULE OF RATES AND CHARGES**

2010 HOURLY RATES

CLASSIFICATION	RATE	CLASSIFICATION	RATE
Professional	IX \$188.00	Technician	IV \$120.00
Professional	VIII \$188.00	Technician	III \$112.00
Professional	VII \$180.00	Technician	II \$83.00
Professional	VI \$167.00	Technician	I \$78.00
Professional	V \$159.00	Administrative	V \$111.00
Professional	IV \$149.00	Administrative	IV \$93.00
Professional	III \$139.00	Administrative	III \$79.00
Professional	II \$130.00	Administrative	II \$64.00
Professional	I \$118.00	Administrative	I \$54.00

IN-HOUSE SERVICES

In-house copies (each)	8 1/2" X 11" \$0.07	CAD Plots	Large \$10.00
In-house copies (each)	8 1/2" X 14" \$0.08	CAD Plots	Full Size \$5.00
In-house copies (each)	11" X 17" \$0.14	CAD Plots	Half Size \$2.00
In-house copies (color) (each)	8 1/2" X 11" \$0.85	GIS System	Per Hour \$10.00
In-house copies (color) (each)	8 1/2" X 14" \$1.50	GIS Plots	Per Plot \$5.00
In-house copies (color) (each)	11 X 17" \$1.70	In-house Computer	Per Hour \$9.00
FAX (each sheet)	\$1.00	Mileage	Per Mile \$0.50
In-house CAD System	Per Hour \$25.00	Digital Camera	Per Day \$10.00
		Digital Camera	Per Week \$30.00
		Digital Camera	Per Month \$90.00

*Note: At project completion all digital photos can be supplied to the client on CD, upon request.

PURCHASED SERVICES

All subconsultant services are billed at cost plus 15%.

CHANGES IN RATES

Rates listed here are adjusted annually. The current, most recent schedule of hourly rates are used for billing purposes. Payment for work accomplished shall be on the basis of hourly rates in effect at the time of billing plus direct expenses and outside services as stated in this Exhibit.

**City of Bonney Lake, Washington
City Council Agenda Bill (C.A.B.) Approval Form**

<u>Department / Staff Contact:</u> ASD / Chuck McEwen	<u>Workshop / Meeting Date:</u> 24 Aug 2010	<u>Agenda Bill Number:</u> AB10-106
<u>Ordinance Number:</u>	<u>Resolution Number:</u> 2048	<u>Councilmember Sponsor:</u>

Agenda Subject: Contract with NetVersant regarding Interim Justice Center Network and CATV cabling

Proposed Motion: Discussion: (Tabled from July 27th Council Meeting) AB10-106 - Resolution 2048 - A Resolution Of The City Council Of The City Of Bonney Lake, Pierce County, Washington, Authorizing An Agreement With Netversant To Install Category Six Network And Cable TV Cabling In The Interim Justice Center For \$12,288.20.

Administrative Recommendation: Consider and Move Forward

Background Summary: Quote using Washington State Contract pricing (T05-MST-008). Motion to approve the estimate to provide and install at the Interim Justice Center 56 Category 6 station cables, 3- 48 port Category 6 patch panels, 3 relay racks, 30ft of 12” cable tray, 6 CATV locations and 2 Category 6 backbone tie cables. All Category 6 cabling will be terminated, labeled, and tested.

The Council tabled this item for further discussion. Information Services has obtained additional information for the Council to consider.

Per the Council original discussion on July 27th the City send a request for bid to all seven businesses that are part of the Washington State, Department of Information Services, Master Contracts for interior cabling. Four companies responded to the bid request and all four quotes are attached as well as the original request for bid notice. There was some discussion as to the use of Cat6 Versus Cat5e cabling; therefore part of the requested bid was to quote a Cat6/Cat5e option. The price difference between Cat6 and Cat5e varied between \$1,230 and \$2,227. The lowest price as quoted was PowerCom’s Cat5e bid of \$8,473.45; the price difference was in total quoted labor. I have requested each vendor to submit a projected total labor hour estimate to compare and will provide this during the workshop. A Councilmember also questioned whether this NetVersant was the same company that installed the Boat Launch system. The answer to that question is yes. NetVersant is a national company with four core business operating units. NetVersant’s “Network Infrastructure” business unit is responsible for the internal/external network cabling system. The City has used the NetVersant’s “Network Infrastructure” business unit on various cabling projects; including cabling at the Public Safety Building and installed Fiber Optic cable between city buildings. NetVersant’s “Integrated Security” business unit was responsible for the original boat launch plan though it was designed and installed by two other companies.

BUDGET INFORMATION:

Budget Amount	Required Expenditure	Budget Impact	Budget Balance
\$12,288.20			

Budget Explanation:

COMMITTEE/BOARD REVIEW:

Subcommittee Review Date: Finance Committee - 13 Jul 2010

Commission/Board Review Date: -

Hearing Examiner Date:

COUNCIL ACTION:

Workshop Date(s): 17 Aug 2010

Public Hearing Date(s):

Meeting Date(s): 27 Jul 2010

Tabled To Date: 17 Aug 2010

Signatures:

Director Authorization	Mayor	Date City Attorney Reviewed
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NetVersant

network solutions for an e-world

NetVersant Solutions, LLC

549 S. Dawson st.
Seattle, WA 98108-2253
206-774-7100
fax 206-340-1980

BONNEY LAKE IJC
REVISED #3 CAT6 CABLING QUOTE
DIS CONTRACT T05-MST-008
SITE CONTACT: CHUCK MCEWEN

QUOTE DATE: 7/19/2010
Site Address: 19306 BONNEY LAKE BLVD.
P.O.BOX 7380 BONNEY LAKE, WA. 98390
Phone 253.447.4301
Fax 253.862.8538

ESTIMATE FOR: PROVIDE AND INSTALL 56 CAT6 STATION CABLES, 3 - 48 PORT CAT6 PATCH PANELS, 3 RELAY RACKS, 30 FEET OF 12" CABLE TRAY, 6 CATV LOCATIONS AND 2 CAT6 BACKBONE TIE CABLES.

WE WILL TERMINATE, LABEL AND TEST ALL NEW CAT6 CABLING.

WE WILL PROVIDE A 20 YEAR COMMSCOPE / UNIPRISE MANUFACTURE WARRANTY FOR THIS PROJECT.

NETVERSANT IS PLEASED TO SUBMIT THE FOLLOWING ESTIMATE FOR YOUR REVIEW AND CONSIDERATION.

Materials Pricing Estimate						
Material Description	Mfr	Mfr Number	Parts Quantities	Unit	Unit Price	Extended Price
RELAY RACK 7"x19" CLEAR UNIVERSAL	CPI	46353-503	3	EA	\$ 220.69	\$ 662.07
RUNWAY 12"Wx10"L GRAY UNIVERSAL	CPI	10250-112	3	EA	\$ 74.43	\$ 223.29
RUNWAY RUBBER END CAPS	CPI	10642-001	3	EA	\$ 4.16	\$ 12.48
WALL ANGLE SUPPORT KIT 12" GRAY	CPI	11421-112	3	EA	\$ 18.98	\$ 56.94
CABLE TRAY RADIUS DROP OUT 12"	CPI	12100-112	3	EA	\$ 32.18	\$ 96.54
WHITE CAT 6 JACK	UNIPRISE	UNJ600-WH	60	EA	\$ 7.00	\$ 420.00
48 PORT CAT 6 PATCH PANEL	UNIPRISE	UNP600-48P	3	EA	\$ 364.78	\$ 1,094.34
WHITE 4 PORT FACEPLATE	UNIPRISE	UNF-D-4P-WH	27	EA	\$ 1.90	\$ 51.30
RG-6 COAX PLENUM	COMMSCOPE	2277V	500	FT	\$ 0.74	\$ 370.00
COAX F-CONNECTOR INSERT	UNIPRISE	UNC-F-F	12	EA	\$ 2.77	\$ 33.24
PLENUM CAT 6 YELLOW	COMMSCOPE	6504+ - YL	8,000	FT	\$ 0.42	\$ 3,360.00
ARLINGTON TL20 2' LOOP	ARLINGTON	RU-285493	100	EA	\$ 0.48	\$ 48.00
PERMITS			1	EA	\$ 260.00	\$ 260.00
MISCELLANEOUS MATERIALS, ETC.			1	Lot	\$ 650.00	\$ 650.00
TOTAL MATERIALS PRICE ESTIMATE						\$ 7,338.20

Labor Pricing Estimate					
Labor Description	Type	Unit Quantities		Unit Price	Extended Price
INSTALL 56 CAT6 STATION CABLES, TERMINATE & TEST	REG HOURS	66	Hrs	\$ 55.00	\$ 3,630.00
INSTALL 2 CAT6 BACKBONE TIE CABLES	REG HOURS	4	Hrs	\$ 55.00	\$ 220.00
INSTALL 3 RELAY RACKS AND 30' OF 12" CABLE TRAY	REG HOURS	12	Hrs	\$ 55.00	\$ 660.00
INSTALL 6 COAX RG-6 CABLES	REG HOURS	8	Hrs	\$ 55.00	\$ 440.00
TELECOMMUNICATIONS TECHNICIAN					
TOTAL LABOR PRICE ESTIMATE					\$ 4,950.00
TOTAL LABOR AND MATERIALS PRICE EST.					\$ 12,288.20

See Following Page for TERMS and CONDITIONS

NetVersant

network solutions for an e-world

NetVersant Solutions, LLC

549 S. Dawson st.
Seattle, WA 98108-2253
206-774-7100
fax 206-340-1980

BONNEY LAKE IJC
REVISED #3 CAT6 CABLING QUOTE
DIS CONTRACT T05-MST-008
SITE CONTACT: CHUCK MCEWEN

QUOTE DATE: 7/19/2010
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Phone 253.447.4301
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WE WILL TERMINATE, LABEL AND TEST ALL NEW CAT6 CABLING.

WE WILL PROVIDE A 20 YEAR COMMSCOPE / UNIPRISE MANUFACTURE WARRANTY FOR THIS PROJECT.

TOTAL LABOR AND MATERIALS PRICE EST.	\$ 12,288.20
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TERMS AND CONDITIONS

PER THE DIS CONTRACT T05-MST-008.

ACCEPTANCE OF QUOTATION

* PLEASE CONTACT THE UNDERSIGNED WITH ANY QUESTIONS

RESPECTFULLY,

PAT KUNZ
NETVERSANT / ACCOUNT EXECUTIVE
pkunz@netversant.com
main:(206)774-7170 cell:(206)793-5095

ACCEPTANCE OF QUOTATION	
Customer Signature	Date
Print Name / Title	Purchase Order #

By signing this quotation you agree to purchase the materials and associated labor under the terms and conditions of this quotation.

THANK YOU FOR GIVING NETVERSANT THE OPPORTUNITY TO SERVE YOUR COMMUNICATIONS NEEDS!

RESOLUTION NO. 2048

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BONNEY LAKE, PIERCE COUNTY, WASHINGTON, AUTHORIZING AN AGREEMENT WITH NETVERSANT TO INSTALL CATEGORY SIX NETWORK AND CABLE TV CABLING IN THE INTERIM JUSTICE CENTER FOR \$12,288.20.

The City Council of the City of Bonney Lake, Washington, does hereby resolve that the Mayor is authorized to sign the agreement attached hereto and incorporated herein by this reference.

PASSED by the City Council this 27th day of July, 2010.

Neil Johnson, Mayor

ATTEST:

Woody Edvalson, City Clerk

APPROVED AS TO FORM:

James Dionne, City Attorney

REQUEST FOR BID

Notice is hereby given that the City of Bonney Lake, Washington is accepting written bids for:

Network and CATV Cabling

The City of Bonney Lake is requesting bids to provide, install, and test Network and CATV cabling for a new Interim Justice Center located at 9002 Main Street, Bonney Lake, WA 98391. The proposed requirements are to provide and install 58 Cat5e station cables, 3-48 port Cat5e patch panels, 3 relay racks, 30 feet of 12' cable tray, and 6 CATV locations with 4 Cat5e backbone tie cables. Plenum Cat5e is estimated at 8000 ft. Plenum COAX is estimated at 500 ft. Relay racks should be 7'x19" universal. Floor plans have been included as an attachment. Building is being built however some interior/exterior walls have been completed. Office internal walls will be mostly modular in nature. Cabling will be run in the drop ceiling. Please quote Cat5e cabling with a Cat6 option. The City's occupation is planned as temporary. All cabling will be installed, terminated and tested as part of the bid project. Two Cat5e Backbone tie cables will be run between the main floor data rooms (Rm112 & Rm116) and two Cat 5e Backbone tie cables will be run between the main floor data room (Rm112) and the 2nd floor data room (Rm213).

One written copy of the bid proposal must be filed with the Administrative Services Department, Office of Information Services, City Hall, PO Box 7380, Bonney Lake Washington 98391, no later than **4 p.m. PST on August 10th 2010**. Bids received later than 4 p.m. PST, August 10th, 2010 will not be considered.

Questions regarding the bidding requirements are to be submitted via email, fax, or written no later than 4 p.m. **August 10th 2010** to: Chuck McEwen, City of Bonney Lake, Information Services' Office, P.O. Box 7380, Bonney Lake, WA 98391-0944, FAX: (253) 862-8538, E-mail: mcewenc@ci.bonney-lake.wa.us

The City of Bonney Lake reserves the right to reject any and all bids and to waive irregularities and informalities in the bidding and evaluation processes. No vendor may withdraw its bid for a period of 200 days after the proposal due date.

The City of Bonney Lake is committed to a program of equal employment opportunity regardless of race, creed, sex, age, nationality, or disability. The successful vendor must comply with the City of Bonney Lake's Equal Opportunity requirements. Dated this 28th day of July, 2010

Chuck McEwen, Information Services Coordinator



Sequoyah Network Services
15135 NE 92nd Street
Redmond, Washington 98052
(425) 814-6000 MAIN
(425) 814-6003 FAX

August 10, 2010

To: **Chuck McEwen – City of Bonney Lake**

Reference: **City of Bonney Lake**
Seattle, WA

Subject: **Interim Justice Center – Network and CATV Cabling Installation**

Sequoyah Network Services hereby submits for your consideration our proposal for the installation of network and CATV cabling for the City of Bonney Lake new Interim Justice Center.

Our proposal is based on the “request for bid” for Network and CATV cabling for the new Interim Justice Center and the drawing of the 1st and 2nd floors provided in the e-mail dated July 29, 2010.

Base Bid:

Category 5e Cabling Installation: \$ 11,175.00

Alternate Bid:

Category 6 Cabling Installation: \$ 12,475.00

Scope of Work:

- o Provide a 20-year manufacturer’s “Application Assurance” extended product warranty.
- o Provide and install plenum rated Category 5e cabling for the following telecom outlet locations: 1st Floor: (8) duals (2) quads and 2nd Floor: (11) duals, (2) quads
- o There will be a total of (58) Category 5e cables installed (approximately 8,000 ft).
- o Provide and install (2) Category 5e backbone “tie” cables from data room 112 to data room 116 and data room 213, (4) Category 5e tie cables total.
- o Provide and install (3) 48-port Category 5e patch panels.
- o Provide and install (1) 7 ft x 19 inch universal relay rack and 10 ft of 12” ladder rack in each of the data rooms (112, 116 and 213), (3) relay racks and 30 ft of 12” ladder rack total.
- o Provide and install plenum rated RG-6 coaxial cable for (2) CATV locations on the 1st floor and (4) CATV locations on the 2nd floor.
- o There will be a total of (6) RG-6 coaxial cables installed (approximately 500 ft).
- o Label, terminate and test per EIA/TIA cabling standards.

Assumptions and Clarifications of Scope:

- o We assume the space will be unoccupied for access to our work.
- o Our proposal is based on normal working hours.
- o We will dispose of our trash in a dumpster provided and maintained by others.
- o Price is based on work being performed in one continuous phase.
- o This quote is good for 30 days.
- o Sequoyah reserves the right to request a change order for any impact associated with changes in the construction schedule.

Electrical Construction • Electrical Service • Lighting & Maintenance • Network Services • Design-Build



Sequoyah Network Services
15135 NE 92nd Street
Redmond, Washington 98052
(425) 814-6000 MAIN
(425) 814-6003 FAX

Page 2 of 2

Exempt from Scope:

- o CATV amplifiers and headend equipment.
- o Vertical and horizontal wire managers.
- o Unforeseen circumstances or conditions not readily apparent.
- o Service entrance cabling for all systems (phone, CATV etc).
- o CCTV, access control, intrusion alarm, clock/speakers and bells, fire alarm, intercom and AV cabling, devices, headend equipment and installation.
- o Sales tax and bond.
- o Utility charges.
- o Premium time.
- o Plywood backboards.
- o Conduit, cores, sleeves and pull-string.
- o Cable tray outside of telecom rooms.
- o Cutting, patching and painting or restoration of any surfaces. We assume others will provide cutting of existing walls for access to our work.
- o Handling, testing or removal of any hazardous materials.
- o Telephone switch and active network equipment.
- o Builder’s risk or OCIP premiums or deductibles as may be required or levied.
- o Sanitary services such as portable toilets and washing facilities.

Acceptance of Quotation:

Signature

Date

Print Name/Title

Purchase Order No.

By signing this quotation you agree to purchase the materials and associated labor under the terms and conditions of this quotation.

Please contact **Mitch Audley at (360) 790-8050** if you have any questions.

Sincerely,

Tom Guichard

Tom Guichard
Low Voltage Systems Estimator
Sequoyah Network Services, LLC

Electrical Construction • Electrical Service • Lighting & Maintenance • Network Services • Design-Build

August 10, 2010

Attn: Chuck McEwen
Information Services Coordinator
City of Bonney Lake

We are pleased to present the following quotation.

Network and CATV Cabling

Interim Justice Center
9002 Main Street
Bonney Lake, WA 98391

General Scope of work:

Provide labor and install hardware per the Scope of Work provided to us from the City of Bonney Lake. We propose to install a Leviton & Superior Essex Cabling Solution. We will also be providing a Lifetime Application and Assurance Warranty for this project for the cabling infrastructure.

We have also per the scope of work provided to proposals for a Category 5e solution and a Category 6 solution.

Price for this project using Category 5e is \$12,188.07 plus tax.

Price for this project using Category 6 is \$13,418.34 plus tax.

Please note

1. Total price does **not** include state sales tax.
2. Terms are net 30.
3. Price includes all permits and fees.
4. Price does **not** include shelves for any racks.
5. This is a prevailing wage job.
6. Pathways to be open and accessible.
7. Leverage will install ladder rack in Communication Closet. We are not responsible for the installation of cable tray in the Communication Closet and beyond.
8. Sleeves, penetrations, boxes, conduit, and cable tray to be provided by others.
9. Buss bars provided by other.
10. Grounding from buss bars to building grounds to be done by the electrical contractor.
11. Backboards to be provided painted & installed by others.

Approved by _____ Date _____

Thank you,

Jeff Winton

Account Executive Infrastructure Solutions
Formally Communications Specialist Inc.

P.O Box 630. Woodinville, Wa. 98072 .

Ph (425) 482-9200 Fax (425) 485-9400



August 10, 2010

Chuck McEwen
City of Bonney Lake
Information Services
P.O. Box 7380
Bonney Lake, WA 98391

Chuck:

Thank you for allowing PowerCom the opportunity to provide the following quote for the installation of cabling of the Interim Justice Center.

The proposed work will be performed per the terms and conditions of the *Washington State Department of Information Services Master Agreement Number T05-MST-004*. A purchase order referencing the Master Agreement Number, DIS fee (there will be a one half of one percent, .005 DIS Administration fee added to your invoice for the use of the Master Agreement) and your DIS Interlocal Number is required prior to project commencement. If you do not have an Interlocal Number, please contact DIS at (360) 902-3551.

Scope of Work: Horizontal Cabling 1st Floor

- Provide and install eight (8) duplex category 5e information outlets.
- Provide and install two (2) quadplex category 5e information outlets.
- Provide and install two (2) RG-6 cables for CATV locations.

Scope of Work: Horizontal Cabling 2nd Floor

- Provide and install eleven (11) duplex category 5e information outlets.
- Provide and install two (2) quadplex category 5e information outlets.
- Provide and install four (4) RG-6 cables for CATV locations.

Scope of Work: Backbone Cabling

- Provide and install two (2) category 5e cables between rooms 112 and 116.
- Provide and install two (2) category 5e cables between rooms 112 and 213.

Scope of Work: Communication Rooms

- Provide and install three (3) 7' x 19" standard relay racks.
- Provide and install three (3) 12" ladder racks.
- Provide and install three (3) 48 port category 5e patch panels for cable terminations.

ASSUMPTIONS OF SCOPE:

- All cable pathways will be easily accessible and free and clear from any obstruction.
- All work will be performed during business hours, Monday through Friday.
- Work performed during hours other than normal business hours will be billed at premium rates. Such work must be approved in writing by University of Washington and PowerCom authorized personnel.

EXEMPT FROM SCOPE:

- Washington State Sales Tax and DIS Fee of .005%.
- Unforeseen circumstances or conditions not readily apparent.
- Conduits or sleeves
- Core Feeds

PRICING:

Material	\$ 4,873.45
Labor	<u>\$ 3,600.00</u>
Total	\$ 8,473.45

OPTIONAL CATEGORY 6 PRICING:

Material	\$ 7,100.74
Labor	<u>\$ 3,600.00</u>
Total	\$ 10,700.74



TERMS AND CONDITIONS:

- These prices are good for a period of 60 days.
- Confidential Information: This bid information is confidential and proprietary, for use only by the University of Washington.

Thank you for considering PowerCom for your communication needs. If you have any questions, please contact me at (425) 489-8549.

Thank you,

Matt Wood
Project Manager

Acceptance of Proposal:

Signature

Print Name/Title

Date

Purchase Order No.

NetVersant

network solutions for an e-world

NetVersant Solutions, LLC

549 S. Dawson st.
Seattle, WA 98108-2253
206-774-7100
fax 206-340-1980

BONNEY LAKE IJC
REVISED CAT5E CABLING QUOTE
DIS CONTRACT T05-MST-008
SITE CONTACT: CHUCK MCEWEN

QUOTE DATE: 7/30/2010
Site Address: 19306 BONNEY LAKE BLVD.
P.O.BOX 7380 BONNEY LAKE, WA. 98390
Phone 253.447.4301
Fax 253.862.8538

ESTIMATE FOR: PROVIDE AND INSTALL 56 CAT5E STATION CABLES, 3 - 48 PORT CAT5E PATCH PANELS, 3 RELAY RACKS, 30 FEET OF 12" CABLE TRAY, 6 CATV LOCATIONS AND 4 CAT5E BACKBONE TIE CABLES.

WE WILL TERMINATE, LABEL AND TEST ALL NEW CAT6 CABLING.

WE WILL PROVIDE A 20 YEAR COMMSCOPE / UNIPRISE MANUFACTURE WARRANTY FOR THIS PROJECT.

NETVERSANT IS PLEASED TO SUBMIT THE FOLLOWING ESTIMATE FOR YOUR REVIEW AND CONSIDERATION.

Materials Pricing Estimate						
Material Description	Mfr	Mfr Number	Parts Quantities	Unit	Unit Price	Extended Price
RELAY RACK 7"x19" CLEAR UNIVERSAL	CPI	46353-503	3	EA	\$ 203.71	\$ 611.13
RUNWAY 12"Wx10"L GRAY UNIVERSAL	CPI	10250-112	3	EA	\$ 68.70	\$ 206.10
RUNWAY RUBBER END CAPS	CPI	10642-001	3	EA	\$ 3.84	\$ 11.52
WALL ANGLE SUPPORT KIT 12" GRAY	CPI	11421-112	3	EA	\$ 17.52	\$ 52.56
CABLE TRAY RADIUS DROP OUT 12"	CPI	12100-112	3	EA	\$ 29.70	\$ 89.10
WHITE CAT 5E JACK	UNIPRISE	UNJ500-WH	60	EA	\$ 4.75	\$ 285.00
48 PORT CAT 5E PATCH PANEL	UNIPRISE	UNP500-48P	3	EA	\$ 253.20	\$ 759.60
WHITE 4 PORT FACEPLATE	UNIPRISE	UNF-D-4P-WH	27	EA	\$ 1.57	\$ 42.39
RG-6 COAX PLENUM	COMMSCOPE	2277V	500	FT	\$ 0.68	\$ 340.00
COAX F-CONNECTOR INSERT	UNIPRISE	UNC-F-F	12	EA	\$ 2.56	\$ 30.72
PLENUM CAT 5E YELLOW	COMMSCOPE	5E55-YL	8,000	FT	\$ 0.23	\$ 1,840.00
ARLINGTON TL20 2' LOOP	ARLINGTON	RU-285493	100	EA	\$ 0.38	\$ 38.00
PERMITS			1	EA	\$ 260.00	\$ 260.00
MISCELLANEOUS MATERIALS, ETC.			1	Lot	\$ 300.00	\$ 300.00
TOTAL MATERIALS PRICE ESTIMATE						\$ 4,866.12

Labor Pricing Estimate					
Labor Description	Type	Unit Quantities		Unit Price	Extended Price
INSTALL 56 CAT5E STATION CABLES, TERMINATE & TEST	REG HOURS	66	Hrs	\$ 55.00	\$ 3,630.00
INSTALL 4 CAT5E BACKBONE TIE CABLES	REG HOURS	4	Hrs	\$ 55.00	\$ 220.00
INSTALL 3 RELAY RACKS AND 30' OF 12" CABLE TRAY	REG HOURS	12	Hrs	\$ 55.00	\$ 660.00
INSTALL 6 COAX RG-6 CABLES	REG HOURS	8	Hrs	\$ 55.00	\$ 440.00
TELECOMMUNICATIONS TECHNICIAN					
TOTAL LABOR PRICE ESTIMATE					\$ 4,950.00
TOTAL LABOR AND MATERIALS PRICE EST.					\$ 9,816.12

See Following Page for TERMS and CONDITIONS

NetVersant

network solutions for an e-world

NetVersant Solutions,LLC

549 S. Dawson st.
Seattle, WA 98108-2253
206-774-7100
fax 206-340-1980

BONNEY LAKE IJC
REVISED CAT5E CABLING QUOTE
DIS CONTRACT T05-MST-008
SITE CONTACT: CHUCK MCEWEN

QUOTE DATE: 7/30/2010
Site Address: 19306 BONNEY LAKE BLVD.
P.O.BOX 7380 BONNEY LAKE,WA. 98390
Phone 253.447.4301
Fax 253.862.8538

ESTIMATE FOR: PROVIDE AND INSTALL 56 CAT5E STATION CABLES, 3 - 48 PORT CAT5E PATCH PANELS, 3 RELAY RACKS, 30 FEET OF 12" CABLE TRAY, 6 CATV LOCATIONS AND 4 CAT5E BACKBONE TIE CABLES.

WE WILL TERMINATE, LABEL AND TEST ALL NEW CAT6 CABLING.

WE WILL PROVIDE A 20 YEAR COMMSCOPE / UNIPRISE MANUFACTURE WARRANTY FOR THIS PROJECT.

TOTAL LABOR AND MATERIALS PRICE EST.	\$ 9,816.12
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TERMS AND CONDITIONS

PER THE DIS CONTRACT T05-MST-008.

ACCEPTANCE OF QUOTATION

* PLEASE CONTACT THE UNDERSIGNED WITH ANY QUESTIONS

RESPECTFULLY,

PAT KUNZ
NETVERSANT / ACCOUNT EXECUTIVE
pkunz@netversant.com
main:(206)774-7170 cell:(206)793-5095

ACCEPTANCE OF QUOTATION	
Customer Signature	Date
Print Name / Title	Purchase Order #

By signing this quotation you agree to purchase the materials and associated labor under the terms and conditions of this quotation.

THANK YOU FOR GIVING NETVERSANT THE OPPORTUNITY TO SERVE YOUR COMMUNICATIONS NEEDS!

NetVersant

network solutions for an e-world

NetVersant Solutions, LLC

549 S. Dawson st.
Seattle, WA 98108-2253
206-774-7100
fax 206-340-1980

BONNEY LAKE IJC
REVISED #4 CAT6 CABLING QUOTE
DIS CONTRACT T05-MST-008
SITE CONTACT: CHUCK MCEWEN

QUOTE DATE: 7/30/2010
Site Address: 19306 BONNEY LAKE BLVD.
P.O.BOX 7380 BONNEY LAKE, WA. 98390
Phone 253.447.4301
Fax 253.862.8538

ESTIMATE FOR: PROVIDE AND INSTALL 56 CAT6 STATION CABLES, 3 - 48 PORT CAT6 PATCH PANELS, 3 RELAY RACKS, 30 FEET OF 12" CABLE TRAY, 6 CATV LOCATIONS AND 4 CAT6 BACKBONE TIE CABLES.

WE WILL TERMINATE, LABEL AND TEST ALL NEW CAT6 CABLING.

WE WILL PROVIDE A 20 YEAR COMMSCOPE / UNIPRISE MANUFACTURE WARRANTY FOR THIS PROJECT.

NETVERSANT IS PLEASED TO SUBMIT THE FOLLOWING ESTIMATE FOR YOUR REVIEW AND CONSIDERATION.

Materials Pricing Estimate						
Material Description	Mfr	Mfr Number	Parts Quantities	Unit	Unit Price	Extended Price
RELAY RACK 7"x19" CLEAR UNIVERSAL	CPI	46353-503	3	EA	\$ 203.71	\$ 611.13
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RUNWAY RUBBER END CAPS	CPI	10642-001	3	EA	\$ 3.84	\$ 11.52
WALL ANGLE SUPPORT KIT 12" GRAY	CPI	11421-112	3	EA	\$ 17.52	\$ 52.56
CABLE TRAY RADIUS DROP OUT 12"	CPI	12100-112	3	EA	\$ 29.70	\$ 89.10
WHITE CAT 6 JACK	UNIPRISE	UNJ600-WH	60	EA	\$ 7.00	\$ 420.00
48 PORT CAT 6 PATCH PANEL	UNIPRISE	UNP600-48P	3	EA	\$ 336.72	\$ 1,010.16
WHITE 4 PORT FACEPLATE	UNIPRISE	UNF-D-4P-WH	27	EA	\$ 1.57	\$ 42.39
RG-6 COAX PLENUM	COMMSCOPE	2277V	500	FT	\$ 0.68	\$ 340.00
COAX F-CONNECTOR INSERT	UNIPRISE	UNC-F-F	12	EA	\$ 2.56	\$ 30.72
PLENUM CAT 6 YELLOW	COMMSCOPE	6504+ - YL	8,000	FT	\$ 0.36	\$ 2,880.00
ARLINGTON TL20 2' LOOP	ARLINGTON	RU-285493	100	EA	\$ 0.38	\$ 38.00
PERMITS			1	EA	\$ 260.00	\$ 260.00
MISCELLANEOUS MATERIALS, ETC.			1	Lot	\$ 300.00	\$ 300.00
TOTAL MATERIALS PRICE ESTIMATE						\$ 6,291.68

Labor Pricing Estimate					
Labor Description	Type	Unit Quantities		Unit Price	Extended Price
INSTALL 56 CAT6 STATION CABLES, TERMINATE & TEST	REG HOURS	66	Hrs	\$ 55.00	\$ 3,630.00
INSTALL 4 CAT6 BACKBONE TIE CABLES	REG HOURS	4	Hrs	\$ 55.00	\$ 220.00
INSTALL 3 RELAY RACKS AND 30' OF 12" CABLE TRAY	REG HOURS	12	Hrs	\$ 55.00	\$ 660.00
INSTALL 6 COAX RG-6 CABLES	REG HOURS	8	Hrs	\$ 55.00	\$ 440.00
TELECOMMUNICATIONS TECHNICIAN					
TOTAL LABOR PRICE ESTIMATE					\$ 4,950.00
TOTAL LABOR AND MATERIALS PRICE EST.					\$ 11,241.68

See Following Page for TERMS and CONDITIONS

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NetVersant Solutions,LLC

549 S. Dawson st.
Seattle, WA 98108-2253
206-774-7100
fax 206-340-1980

BONNEY LAKE IJC
REVISED #4 CAT6 CABLING QUOTE
DIS CONTRACT T05-MST-008
SITE CONTACT: CHUCK MCEWEN

QUOTE DATE: 7/30/2010
Site Address: 19306 BONNEY LAKE BLVD.
P.O.BOX 7380 BONNEY LAKE,WA. 98390
Phone 253.447.4301
Fax 253.862.8538

ESTIMATE FOR: PROVIDE AND INSTALL 56 CAT6 STATION CABLES, 3 - 48 PORT CAT6 PATCH PANELS, 3 RELAY RACKS, 30 FEET OF 12" CABLE TRAY, 6 CATV LOCATIONS AND 4 CAT6 BACKBONE TIE CABLES.
WE WILL TERMINATE, LABEL AND TEST ALL NEW CAT6 CABLING.
WE WILL PROVIDE A 20 YEAR COMMSCOPE / UNIPRISE MANUFACTURE WARRANTY FOR THIS PROJECT.

TOTAL LABOR AND MATERIALS PRICE EST.	\$ 11,241.68
---	---------------------

TERMS AND CONDITIONS

PER THE DIS CONTRACT T05-MST-008.

ACCEPTANCE OF QUOTATION

* PLEASE CONTACT THE UNDERSIGNED WITH ANY QUESTIONS

RESPECTFULLY,

PAT KUNZ
NETVERSANT / ACCOUNT EXECUTIVE
pkunz@netversant.com
main:(206)774-7170 cell:(206)793-5095

ACCEPTANCE OF QUOTATION	
Customer Signature	Date
Print Name / Title	Purchase Order #

By signing this quotation you agree to purchase the materials and associated labor under the terms and conditions of this quotation.

THANK YOU FOR GIVING NETVERSANT THE OPPORTUNITY TO SERVE YOUR COMMUNICATIONS NEEDS!



Memo

Date : August 17th, 2010
To : Mayor, Councilmembers
From : Chuck McEwen
CC :
Re : IJC Cabling Quote Discussion

As mentioned in the Council Workshop agenda packet below is the labor break down between the four responding bidders. The labor break down was not available at the time of the agenda packet creation. The lowest prices are in bold and grey scale.

Material	Cat5e	Cat6	Labor	Hours	Cost	Hourly Cost
Sequoyah	\$5,965.00	\$7,265.00	Sequoyah	80	\$5,210.00	\$65.13
PowerCom	\$4,873.45	\$7,100.74	PowerCom	80	\$3,600.00	\$45.00
Leverage	\$5,304.87	\$6,535.14	Leverage	160	\$6,883.20	\$43.02
NetVersant	\$4,866.12	\$6,291.68	NetVersant	90	\$4,920.00	\$54.67

Cat5E	Material	Labor	Total	Cat6	Material	Labor	Total
Sequoyah	\$5,965.00	\$5,210.00	\$11,175.00	Sequoyah	\$7,265.00	\$5,210.00	\$12,475.00
PowerCom	\$4,873.45	\$3,600.00	\$8,473.45	PowerCom	\$7,100.74	\$3,600.00	\$10,700.74
Leverage	\$5,304.87	\$6,883.20	\$12,188.07	Leverage	\$6,535.14	\$6,883.20	\$13,418.34
NetVersant	\$4,866.12	\$4,920.00	\$9,786.12	NetVersant	\$6,291.68	\$4,920.00	\$11,211.68

The apparent low bidder is PowerCom. The lowest price was achieved through a slightly lower hourly labor cost as well as estimating 10 less hours than the next lowest bidder. It is staff's recommendation to pursue PowerCom's quote.

In regards to Cat5e versus Cat6 the general difference is in transmission performance and extension of the available bandwidth from 100 MHz for Cat5e to 200 Mhz for Cat6. This includes better insertion loss, near end crosstalk, return loss, and equal level far end crosstalk. These improvements provide a higher signal-to-noise ratio, allowing higher reliability for current applications and higher data rates for future applications. Because of its improved transmission performance and superior immunity from external noise, systems operating over Cat6 cabling will have fewer errors vs. Cat5e for current applications.

Why choose Cat6 if there is no city application today that requires 200 MHz of bandwidth. Bandwidth precedes data rates just as highways come before traffic. Doubling the bandwidth is like adding twice the number of lanes on a highway. The trends of the past and the predictions for the future indicate that data rates have been doubling every 18 months. Current applications running at one Gigabits per second are really already pushing the limits of Cat5e cabling. As streaming media applications such as video and multi-media become commonplace, the demands for faster data rates will increase and spawn new applications that will benefit from the higher bandwidth offered by Cat 6. This is exactly what happened in the early 90's when the higher bandwidth of category 5 cabling compared to category 3 caused most LAN applications to choose the better-rated media to allow simpler, more cost effective, higher speed LAN applications, such as 100BASE-TX.

Without a clear understanding of the roadmap/timelines for future city buildings, I assumed that we should install the better cabling system. The general rationale for cabling suggests that cabling will last at least 10 years and should support at least four to five generations of equipment during those 10 years. The material cost different between Cat5e & Cat6 using PowerCom's bid is \$2,227.29. If the building is truly a temporary occupancy for us of 5 years or less, I would agree that Cat5e could be sufficient. However if the occupancy is expected to extend beyond 5 years, I would recommend Cat6. If future equipment running at much higher data rates requires better cabling, it will be very expensive to pull out Cat5e cabling at a later time to install Cat6 or better cabling.

**City of Bonney Lake, Washington
City Council Agenda Bill (C.A.B.) Approval Form**

<u>Department / Staff Contact:</u> PW / Director DAN GRIGSBY	<u>Workshop / Meeting Date:</u> 17 Aug 2010	<u>Agenda Bill Number:</u> AB10-137
<u>Ordinance Number:</u>	<u>Resolution Number:</u>	<u>Councilmember Sponsor:</u> Jim Rackley

Agenda Subject: Finish Appearance of Downtown SR410 Retaining Wall

Proposed Motion: Discussion: AB10-137 - Finish Appearance of Downtown SR410 Retaining Wall

Administrative Recommendation:

Background Summary: Construction of the SR410-OSB Highway Intersection contract will include addition of a sidewalk on the west side of SR410 opposite Dairy Queen. In order to make room for the sidewalk and one additional lane on the west side of SR410, a retaining wall will need to be built. The visible portion of this wall will be 359 feet long and up to 17 feet high. Due to its prominent, highly visible location in the Downtown area, this wall needs to be built with a finish that is attractive. The Design Commission and Community Development Committee have reviewed the finish options and their recommendations with photos and costs of the different options are shown on the attached document.

The cost to construct the base wall is estimated at \$650k. The addition of a more appealing finished surface will increase the cost to \$750k, with the City logo in one location and a natural rock finish on the rest of the wall. In order to finish the design, City Council is asked for a concensus on what finish appearance they would like have built.

Attachment: CDC Recommendation with photos and cost

BUDGET INFORMATION:

Budget Amount	Required Expenditure	Budget Impact	Budget Balance
Budget Explanation:			

COMMITTEE/BOARD REVIEW:

Subcommittee Review Date: Community Development Committee - 02 Aug 2010
Commission/Board Review Date: Design Commission -14 Jul 2010
Hearing Examiner Date:

COUNCIL ACTION:

Workshop Date(s): 17 August 2010	Public Hearing Date(s):
Meeting Date(s):	Tabled To Date:

Signatures:

Director Authorization DLG	Mayor	Date City Attorney Reviewed
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Community Development Committee
Finish Appearance Options for Downtown SR410 Retaining Wall
(2 August 2010)

Option #1 – No Artwork Panels – Standard Fractured Fin Finnish

Cost per 800 s.f. panel = \$11,250

Option #2 – One Panel of Artwork - Bonney Lake Logo with gold-silver metal

Option #2A - 45W x 15H = 675 s.f. Cost Est. = \$19,250 per panel
Option #2B - 20W x 10H = 200 s.f. Cost Est. = \$9,400 per panel

Option #3 – No Art Work Panels - Natural Rock Finish (Similar to the one behind LOWES)

Cost per 800 s.f. panel = \$14,750

Option #4A – Five Panels of Artwork

Panel Size: 45W x 15H = 675 s.f. each (50x15 = 750 s.f.)

1. City of Bonney Lake Logo
2. Fisherman & Fish
3. Victor Falls
4. Mt. Rainer
5. Evergreen Forest

Cost Est. per TRANSPRO = \$37,500 per 800 s.f. = **\$46.88 per s.f. + Artist Fee**
Total Artwork s.f. = 3,375
Cost Est. = 5 x 675 x \$46.88 = **\$158,220**

Option #4B – Five Smaller Artwork Panels Separated by non-artwork panels

Panel Size: ~22.5 wide panels

1. City of Bonney Lake Logo (**45W x 15W** = 675 s.f.)
2. Fisherman & Fish (**20W x 10H** = 200 s.f.)
3. Victor Falls (200 s.f.)
4. Mt. Rainer (200 s.f.)
5. Evergreen Forest (200 s.f.)

Total Artwork s.f. = 1,475 s.f.
Cost Est. = 1,475 x \$46.88 = **\$69,148**

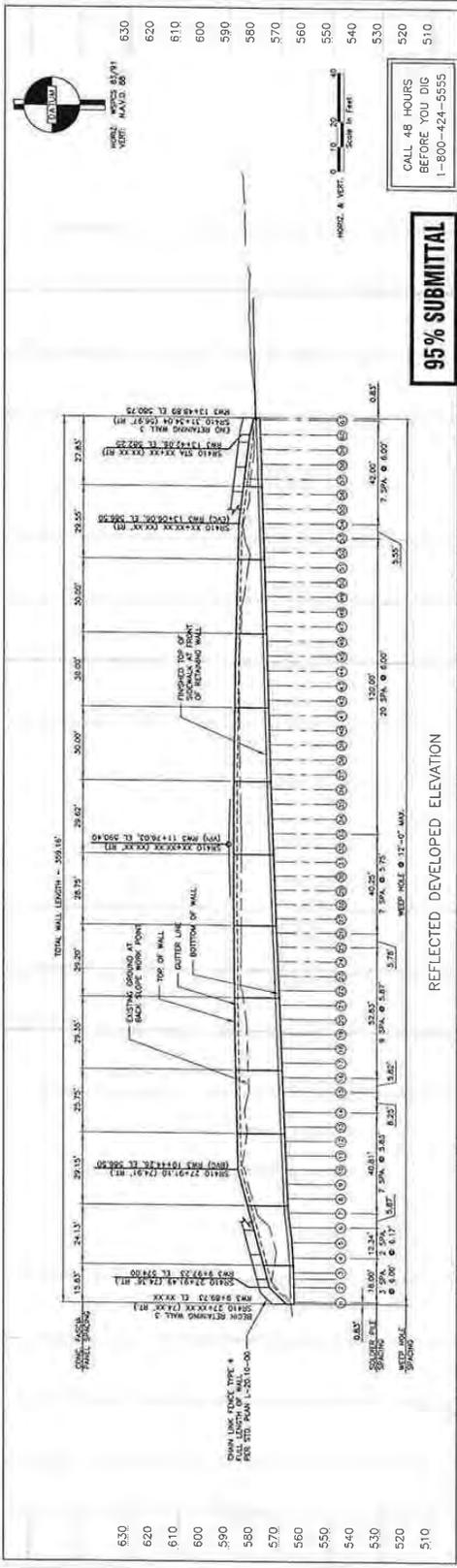
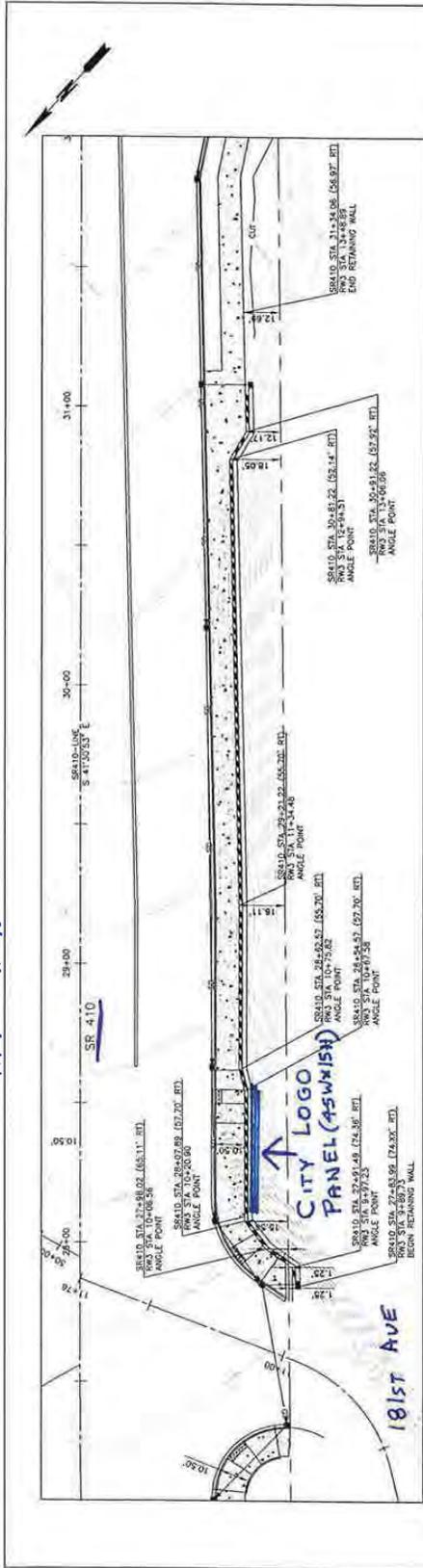
Other Artwork Suggestions:

- a. Lake Tapps/Church Lake recreational boating theme.
- b. Ascent Statue (located at Ascent Gateway; boy & birds)
- c. Fennel Creek wild life habitat (the “thumb”)

CDC Recommendation: Options 2A combined with Option 3 with ground cover growing down over the wall eventually.

OSB HWY

DAIRY QUEEN



95% SUBMITTAL

CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555

630
620
610
600
590
580
570
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530
520
510

DATE	REVISION	BY	DATE
XX/XX/XXXX			
XX/XX/XXXX			
XX/XX/XXXX			

DESIGNED BY: JWK
DRAWN BY: DJJ
CHECKED BY: RNT

DESIGNED BY: JWK
DRAWN BY: DJJ
CHECKED BY: RNT

DESIGNED BY: JWK
DRAWN BY: DJJ
CHECKED BY: RNT



CITY OF BONNEY LAKE DOWNTOWN IMPROVEMENTS
SR410 WIDENING
WALL 3 PLAN AND ELEVATION

SR410 RW3
3 OF 3

REVIEW COMMENTS FROM DESIGN COMMISSION
(14 July 2010)

A combination of Options 2 and 4 is recommended using the following concept:

1. Each panel would represent a different scenic feature unique to Bonney Lake organized by Downtown, Midtown, and Easttown from West to East.
2. Where panels are too short to adequately represent a feature, place evergreen tree scenes similar to the ones shown on the water tower entering Bonney Lake on SR410 and the water tower next to Bonney Lake H.S.
3. Consider hiring the same artist who designed the Ascent statue at the gateway to Bonney Lake.
4. Place raised pavement markers or other devices on top of wall to discourage use by skate boarders.
5. Provide low intensity down lighting that light up the main panels at night.
6. The following panels are suggested from West to East:
 - a. City of Bonney Lake Logo. Possibly have metallic gold or silver highlights similar to Option II.
 - b. Lake Tapps/Church Lake recreational boating theme.
 - c. Downtown:
 - i. Ascent Statue (located at Ascent Gateway)
 - ii. Fisherman and Fish (located at intersection of Church Lake Dr & OSB Hwy.
 - iii. Fennel Creek wild life habitat (the "thumb")
 - d. Midtown:
 - iv. Forrest Scene (WSU Forest)
 - v. Victor Falls
 - e. Easttown:
 - vi. Mount Rainier

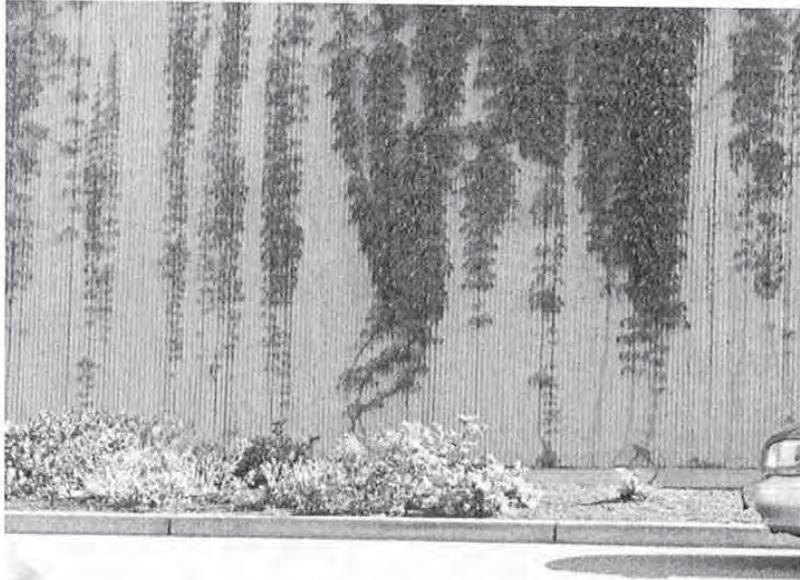
COST COMPARISONS FOR ARTWORK ON THE SR 410 WALL
SR410 – OSB HWY Intersection Improvement – Phase II
TRANSPO Cost Estimates
(24 June 2010)

Assumptions:

1. 3,500 s.f. of wall
2. 800 s.f. of Artwork

Option 1 – Standard Fractured Finish	\$11,250
Option 2 – Fractured Finish with Metal Bonney Lake Logo	\$19,250
Option 3 – Natural Rock Finish (Similar to the one behind LOWES)	\$14,750
Option 4 – Custom Designed Artwork with Trees, Birds, Mountain	\$37,500

Wall Artwork Options



Option 1 – Fractured Fin Finish

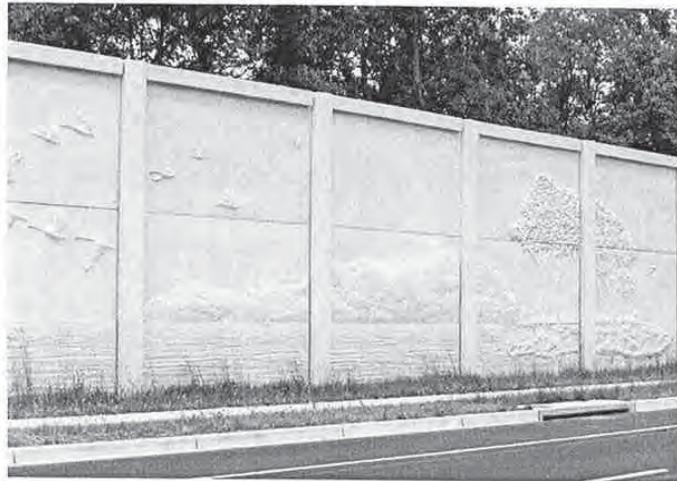


Option 2 – Fractured Fin Finish with Metal Logo

Wall Artwork Options



Option 3 – Natural Rock Finish (Like LOWE'S)



Option 4 – Custom Designed Artwork with Mountains, Trees, etc.