

Date: April 1, 2009
To: Sultan City Council
From: Jon Stack, P.E., City Engineer, Public Works Department
Re: Staff Report – Project Summary and Status Report

Below is an overview of projects currently in progress, pending, and proposed.

1) **Water Rate Study:** currently under contract with City's consultant, FCS INC. Staff is in the process of developing data which includes water lines added to system since 2004. (See EXHIBIT-A) Those projects total 11,338 LF of 8" and 7970 LF of 12" water mains at an estimated cost of \$2,540,040.00.

2) **Design Standards and Specifications:** Replace the City's existing Design Standards and Specifications with a modified version of the Snohomish County Engineering Design and Development Standards to fit the City of Sultan's requirements. The County document is more complete and includes standard drawings. Most construction firms are familiar with its requirements if they have worked in Snohomish County. A check with Snohomish County has advised there are no copyright issues with their version and we can use the document as a model. See attached EXHIBIT B. Currently staff is working on the budget for this project.

3) **Water and Sewer Engineering Standards:** This document was adopted in 2004, after Public Hearings. Several amendments are necessary to keep the information current and relevant.

4) **Water Treatment Plant:** Preparation of design and construction drawings is underway converting the Water Treatment Plant from gaseous to liquid hypochlorite. This proposed project is a safety improvement and the cost was included in the 2009 Budget – Water System Improvements.

5) **Eastside Water Reservoir Engineering Study:** This reservoir is discussed in Amendment #2 of the Comprehensive Water Plan. Study will be expanded on and alternate reservoirs, sizes and location explored along with preliminary costs. Currently the existing generator will not provide adequate amperage to run the 2000 gpm fire pump and the water treatment plant simultaneously. The reservoir is needed to provide fire fighting water for the east portion of the City.

6) **Road Improvements:** Chip-seal is the most cost effective method of extending the life of asphalt pavement. It is proposed to develop a project description of streets that appear to be good candidates for this type of remedial treatment. Initially the selected streets for the 7 to 10 year pavement life extension are: Willow Avenue, Gohr Road, Alder Street, 8th Street, Main Street, Date Street, High Avenue. Estimated cost is \$15,000 per mile plus sub-grade repair where needed. Additional information regarding the chip-seal was shared with the Council at the March 21, 2009 retreat (available on line).

7) **Light Guard LED Lighted Crosswalk:** The City requested an amendment to the original grant award of \$53,812.00 for installation of 2 Crosswalks. The amendment requested the

installation of only 1 Crosswalk with the funds awarded as the bids to install 2 exceeded \$100,000.00. CDBG met with the Policy Advisory Board in February 2009 who gave preliminary approval to proceed with the installation of 1 Crosswalk to be installed at 3rd St. and High Ave. Final approval is needed by Snohomish County Council, this item is on the Agenda for May 2009. Staff is currently preparing amended bidding documents to purchase the equipment directly and advertise the installation of the system from the small works roster. Work is expected to be completed by August 15, 2009.

8) **Inflow and Infiltration Study:** is underway. However the 2008 information was lost. The recorder battery life is approximately 6 to 9 months and during the reinstallation of the recorder batteries replacement was done in error and no data was recorded. The recorders will be reinstalled in July 2009 and removed at the end of February 2010. This will provide dry and wet weather flows cycle for analysis of problem areas in the City system.

9) **Sultan Skate Park:** Bids have been received from three fencing contractors and will be submitted to the City Council for approval. See attached rendering for proposed fence and entrance locations. See Exhibit C attached.

10) **2009 CDBG Grant Application:** Preliminary engineering and cost estimates will be prepared for CDBG grant application on 2nd Street. The sidewalks are in dangerous condition for the next block northerly of Birch Street. The two blocks to connect with Date Avenue will be included in this proposed project. It is planned to extend the existing water main to loop the system to Date Street.

11) **Winter's Creek Culvert:** The culvert replacement at 4th and 135th Street is listed in the recent storm water study with a replacement budget of \$17,800. A preliminary design and hydraulic application is required in order to proceed with a permanent solution is scheduled to begin August, 2009. Plans and bidding documents will be produced in 2010 with construction in 2012.

12) **Capital Improvement Project Development:** Develop capital improvement project list needed in City's sewer collection system from the approved General Sewer Plan and Amendments.

13) **Capital Improvement Distribution System:** Develop capital improvement project list needed in City's distribution system from the approved Water System Plan and Amendments.

14) **East Main Street Improvements:** Requires a preliminary report, surveying, design of street improvements, water main replacement and large culvert on Wagley Creek replaced with a three sided box culvert. Street improvements will include sidewalks, curb and gutter and street pavement.

CITY OF SULTAN

WATER IMPROVEMENTS 2004-2008 Costs of Furnishing and Installing

Project Name	Year Installed	Project Costs	Pipe Linear FT.	Pipe Size	Living Units	City Bids Received
1 Sky Harbor Estates	2004	108,000.00	900'	8"	62	
2 1st Street Improvements	2004	362,000.00	775'	8"	Existing	\$118 LF \$124 LF
3 Date St Phase I	2004	36,000.00	330'	8"	Existing	\$109 LF
4 Stratford Place	2005	134,000.00	1033'	8"	20	
5 Sultan Basin Rd / SR 2 Imp	2006	95,200.00	680'	12"	Existing	\$140 LF
6 Skoglund Estates	2006	701,000.00	3540' 1470'	12" 8"	48	
7 Timber Ridge Development	2006	537,000.00	500' 3630'	12" 8"	85	
8 Steen Park	2007	84,000.00	600'	8"	18	
9 Date St Phase II	2007	105,840.00	625'	8"	Existing	\$169 LF
10 Denali Ridge	2007	119,000.00	850'	8"	15	
11 Sultan Basin Rd Widening	2008	106,000.00	370'	12"	Existing	\$170 LF
12 2nd Street Improvements	2008	90,000.00	750'	8"	Existing	\$120 LF
13 George 6 Plex	2008	62,000.00	375'	8"	6	

Totals \$ 2,540,040.00 7970' 12" 254
11,338' 8" New Units

- * Included in Cost Estimates
- Engineering Costs @ 10 %
- Wa Sales Tax 8.5%
- Gate Valves
- Hydrants
- Trench Backfill and Restoration

* Costs Basis on Private Project done from Bids received by City on City Projects

Exhibit A

CITY OF SULTAN MEMO

Date: March 16, 2009
To: Connie Dunn, Public Works Director
From: Carole Feldmann / Jon Stack, Engineering
Re: City of Sultan Design Standards and Specifications

The current Design Standards for Roads within the City of Sultan is out dated, vague and in conflict with the Sultan Municipal Code. There is a need to revise these Standards so they are in compliance with SMC and the Comprehensive Plan. Snohomish County has recently adopted updated Engineering Design and Development Standards, after reviewing the document it could be used as a base model on which to build and develop a new design standard for the City of Sultan.

As with any document of this stature it will be a lengthy process and require significant effort to produce. In reading the Snohomish County Standards it seems the best way to approach this would be a Chapter by Chapter method through completion. The necessary Public Participation Process will be extensive. This process can be done in house, (budget will be forthcoming), reducing the cost except for outside printing.

In addition the City's "Water and Sewer Engineering Standards", adopted 01/19/05 needs to be amended and should be completed this year. This would be an advantageous time to complete this prior to any significant construction of new plats.

Exhibit B

SULTAN SKATE PARK

EXHIBIT C

DATE

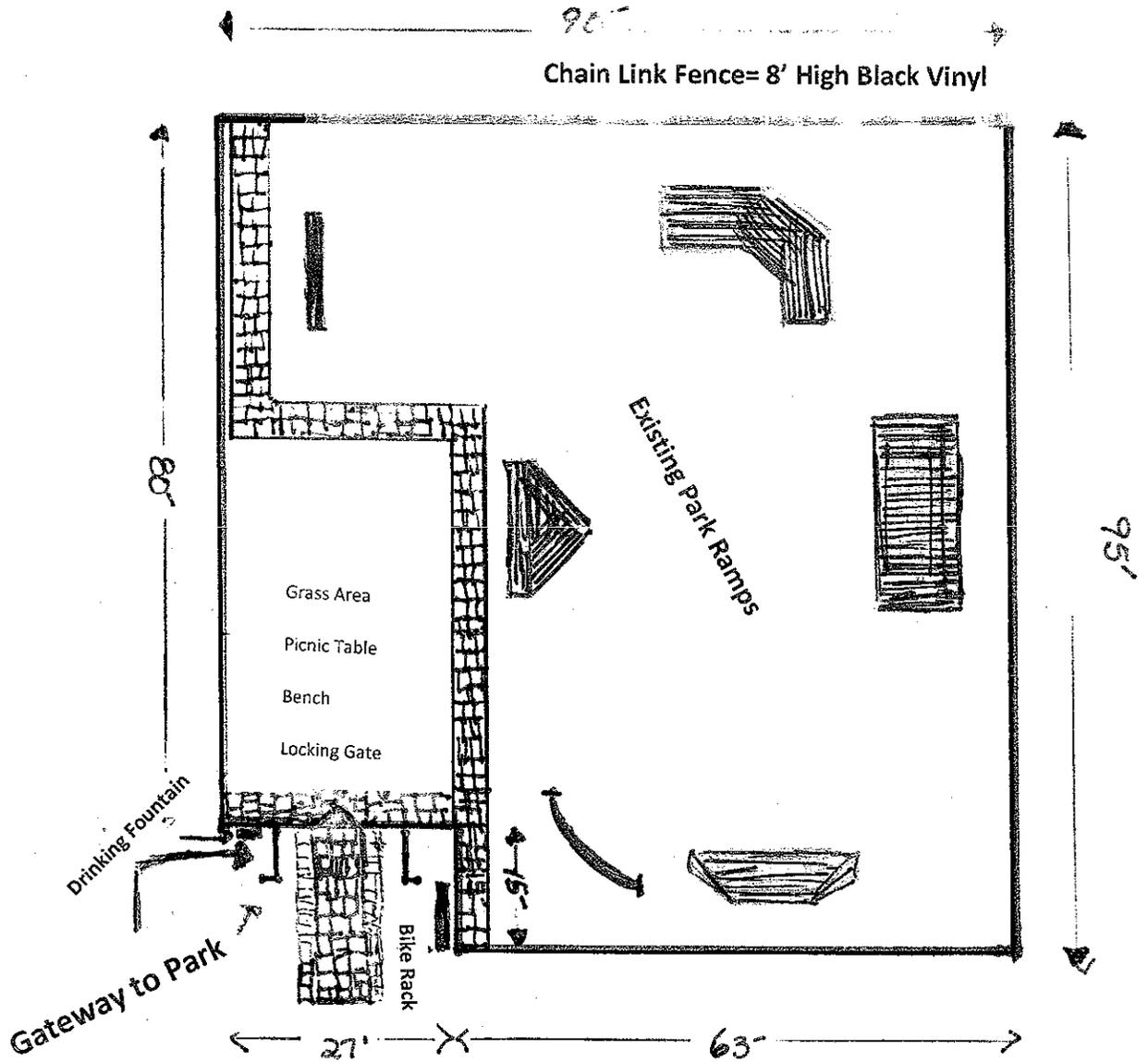
040209

SCALE

1" = 20'



1ST STREET



Locking Gate 6' Wide
(2) 3' sections)

Fence runs the perimeter of the Park on the outside of the Grass Area coming in behind the Gateway to the Park with a gate that can be locked.

MAIN STREET

Fehlmann, E.

EXHIBIT C