



Monthly Report

January  
2010

# Engineering Department

Water, Stormwater, Sanitary Sewer, Parks, Transportation,  
and Facility Engineering Projects for the City of Battle  
Ground

## Water

### NE 219<sup>th</sup> Street Clark Public Utility INTER-TIE PROJECT – Project budget/Water SDC's)

(Consultant: Harper Houf Peterson Righellis)

*Project Manager – Scott Sawyer/Mark Herceg*

The N.E. 219<sup>th</sup> CPU Intertie Project will consist of the design and construction of a water pressure booster station and the extension of approximately 3,000 linear feet of 16-inch water transmission pipe between N.E. 92<sup>nd</sup> Avenue and N.E. 29<sup>th</sup> Avenue.

- Design work continues by the consultant on the booster station and the water transmission pipe. City Staff and CPU have met and continue to work together to cooperatively develop coordinated design review comments as the project progresses.
- Work continues by the project team on evaluating our easement requirements along the project and possibly securing easements in coordination with WSDOT's schedule for the SR 502 widening.
- Staff is meeting to consider counter offers proposed by the property owners for consideration in obtaining the easement and the right of way necessary for the pump station.

### WELL HOUSE 1 & 2 UPGRADE PROJECT – Project budget/Water SDC's) (Consultant: Lombard-Conrad Inc.) - Project is currently being reevaluated

*Project Manager – Marit Ernst*

External improvements to the well house buildings to provide a sound replacement of the existing roof. This is a Water Fund decision package approved for the 2009/2010 budget. Project scope is now identified and we are planning to advertise for Professional Services sometime early 2010.

## Sanitary Sewer

### CEDARS SEWER REPAIR DESIGN – Consultant: Kramer Gehlen (\$350,000)

*Project Manager – Marit Ernst*

Relocation of the sanitary sewer line from the existing golf cart bridge, which has settled approximately two feet, to an adjacent utility bridge.

- RC Northwest to begin contract work on January 2<sup>nd</sup>, 2010.
- PSA for the structural testing approved by Council on December 20<sup>th</sup>.

### PUMP STATION #7 IMPROVEMENTS – Consultant: Wallis Engineering (Budget: \$27,000 City Sewer Funds), Contractor (Budget: \$273,000 City Sewer Funds)

*Project Manager – Ryan Jeynes/Mark Herceg*

- Bid opening was held on November 19<sup>th</sup>.
- Council awarded bid to Gateway National for \$113,610.00 on December 7<sup>th</sup>. Notice of Award and contracts were sent.

**DECANT FACILITY – Consultant: Gray & Osborne (Budget: Total: \$54,000; \$27,000 City Sewer Funds; \$27,000 City Storm Funds), Contractor (Budget: Total: \$321,000; \$198,000 City Sewer Funds; \$123,000 City Storm Funds)**

*Project Manager – Ryan Jeynes*

- Signed contracts and Notice as well as the Certificate of Liability Insurance, Performance Bond, and Payment Bond were received. Contracts were routed to Dennis for signature December 30<sup>th</sup>.
- Construction started on Tuesday, January 19<sup>th</sup>.

**WATER RECLAMATION FACILITY AND RE-USE STUDY PHASE III – Consultant: Kennedy Jenks, Inc. (Budget: \$1,075,000)**

*Project Manager – Scott Sawyer /Mark Herceg*

- The Professional Services Agreement for this proposed contract with Kennedy-Jenks Consultants, was presented and approved by Council at the April 6<sup>th</sup> meeting. This Professional Services Agreement includes design of the lagoon decommissioning project and the new Flow Equalization Basin, required upgrades to McClure Pump Station, and design work to develop the science and engineering reports required to move forward with the Water Reclamation Facility here in Battle Ground. Detailed tasks include:
  - Sewage Lagoon Decommission - Developed 90% review set for lagoon dredging bid set.
  - New Flow Equalization Basin – Developed 50% review set for project.
  - Facility Plan Approval Efforts - Continuing preliminary design of effluent disposal system, and coordination with Dept. of Ecology.
  - Ongoing Activities - Major efforts: (i) geotechnical investigation and (ii) Ecology review of our supplement to General Sewer Plan.
  - Design work continues on the Flow Equalization Basin.
  - Staff will be requesting approval from City Council to proceed with the pre-purchase of a back-up generator needed for the Equalization Project in order to lock in the finance rate associated with the interim financing required as part of the USDA Loan.

# Parks

## REMY HABITAT BANK

*Project Manager – Scott Sawyer*

Coordinated partnership with the Habitat Bank Corporation to turn 60 acres of lower class wetlands into high class wetlands which would be available for credits associated with other wetland mitigation needs within the City of Battle Ground.

- Habitat Bank has installed piezometer wells to determine depth of water in establishing actual wetlands determination based on recent drainage work.
- Review of banking program continues with permitting agencies.
- Staff recently met with Habitat Bank Corporation staff to discuss status and alternatives. Discussions occurred on the concept of altering the contract to focus on mitigation associated with the proposed Scotton Way Development currently being discussed with staff.

## Roads/Highways

NORTH PARKWAY AVENUE PHASE II – Contractor: Tapani Underground; Consultants: Columbia West Engineering (Testing), Cedar Creek Tree Surgeons (Arborist) (Budget: \$1,730,000 Total; \$44,000 Federal Stimulus; \$444,600 Federal Earmark; \$1,076,400 Washington Transportation Improvement Board Grant; \$165,000 Water Fund)

*Project Manager – Mark Herceg*

- The water line is complete.
- The storm system will be complete within a week.
- Construction of the road base has begun.

SOUTH PARKWAY AVENUE – (Budget: \$200K Traffic Impact Fees)

*Project Manager – Mark Herceg, Designer – Ryan Jeynes*

- Design is underway by City staff and is currently at 35%.
- Archaeological investigation has been reviewed by the state and their comments are currently being addressed.

SE GRACE AVENUE ROAD PROJECT – Consultant: Clark County Public Works (Budget: \$530,000 Total; \$220,000 Federal Grant; \$310,000 Traffic Impact Fees)

*Project Manager – Mark Herceg*

- 90% Design Plans will be complete by March.
- NEPA related studies have begun (archaeological, noise, etc.).

**East Main Street Sidewalk Project – (Budget: \$130,00 Total - \$100,000 Washington Transportation Improvement Board, \$30,000 Traffic Impact Fees)**

*Project Manager – Marit Ernst*

The project consists of approximately 620 feet of sidewalk improvements including sidewalks, limited road widening, curb and gutter, landscaping and storm sewers. The work will complete the pedestrian connection from the downtown commercial district through the C – Tran stop, the skate park and NE 14<sup>th</sup> Ave. It will improve pedestrian safety.

- Preliminary survey work is complete.
- Design work is beginning on this project.

**DAYBREAK SCHOOL SAFETY IMPROVEMENTS – (Budget: \$184,000 Total; \$184,000 Washington Safe Routes To Schools Grant)**

*Project Manager – Marit Ernst*

- Project involves the construction of an overhead crosswalk flasher, solar speed limit flashers and completion of sidewalk in front of 117 NW 20<sup>th</sup> Avenue to enhance pedestrian safety in the vicinity of the Daybreak School.
- Preliminary survey completed.
- Engineering staff will design sidewalk and solar speed limit flasher improvements.
- Consultant designing overhead crosswalk flasher mast arm.

**BATTLE GROUND ARTERIAL OVERLAYS – (Budget: \$406,000 Total; \$406,000 Federal Stimulus)**

*Project Manager – Mark Herceg*

- Project involves using Federal Stimulus money to overlay selected arterials within the City of Battle Ground.
- NEPA has been approved. Plans and related documents have been submitted for Highways & Local Programs review.

## **Facilities**

**PUBLIC WORKS OPERATIONS SITE PLANNING Feasibility Study Consultant: Lombard Conrad, Inc.**

*Project Manager – Marit Ernst*

Design project at Operations Center to include new operation building for maintenance staff and new storage bays for equipment.

- Reviewed 100% design plans and specification submitted by Lombard-Conrad Architects. Developed review comments which are to be addressed by LCA prior to the end of the year.