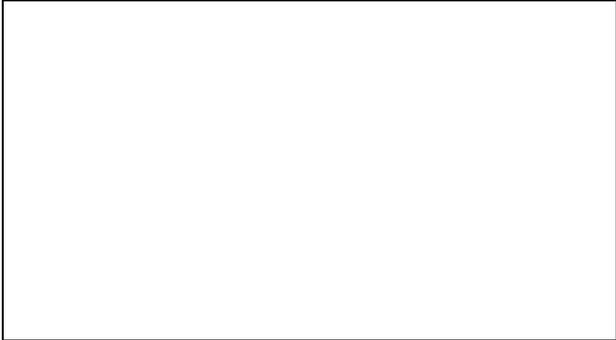


# Beverly Park Tank Improvements

## General Information

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 Project Management Division  
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## Background

Beverly Park Tank is a 2 million gallon elevated steel water storage tank. It was constructed in 1959 and is located at 4<sup>th</sup> Avenue S.W. and S.W. 111<sup>th</sup> Street. It is need of an interior and exterior recoating and seismic upgrade.

## Project Scope

Provide engineering design services for a seismic upgrade of the steel tank, including structural reinforcement of the tank legs and foundation improvements. Provide engineering design services for a complete interior and exterior recoating of the tank bowl and the tank legs, plus remediation of contaminated soil around the tank.

## Contracting Opportunities

Schedule of Events	Target Date
RFQPA Release	2 <sup>nd</sup> half 2016
Pre-Proposal Conference and Site Visit	n/a

## General Information

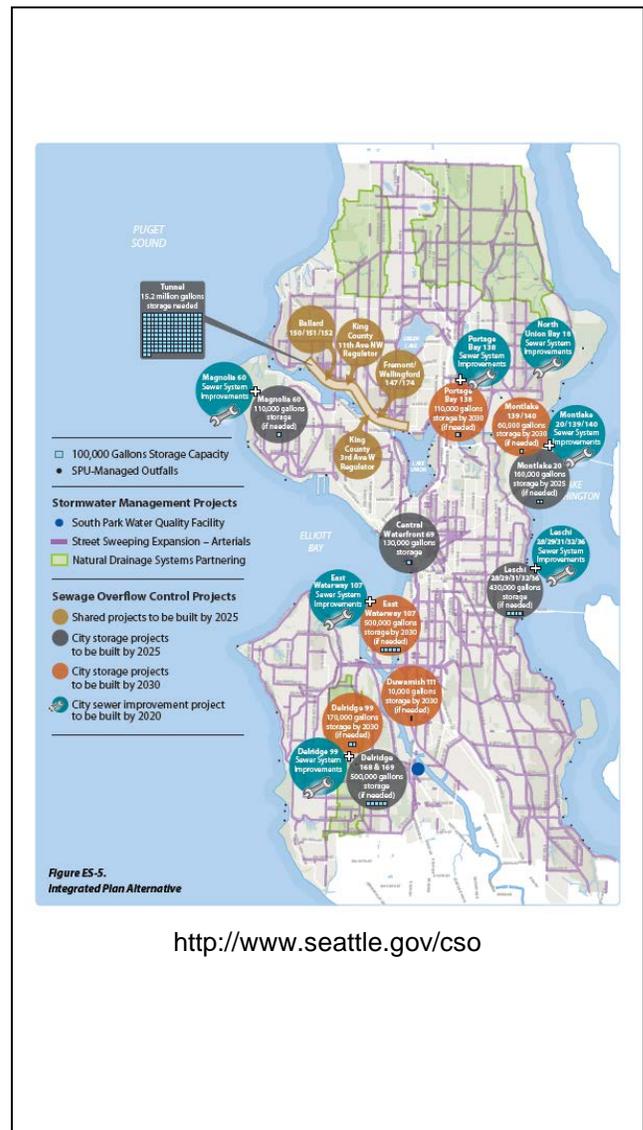
Ben Marré, PE, PMP  
Drainage and Waste Water Line of Business  
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## Background

In March 2016 SPU will be requesting proposals for as-needed programmatic services to support the successful completion of its Combined Sewer Overflow (CSO) Reduction Program, the goal of which is to control discharges from all CSO outfalls by 2030, per the July 3, 2013, Consent Decree with U.S. Environmental Protection Agency, Department of Justice, and the Washington Department of Ecology.

A consultant team has provided programmatic support for the CSO Reduction Program since 2008. The focus of their contract has been managing the program during preliminary engineering, design, and construction of multiple CSO reduction projects. Specific services have included development of a Program Management Implementation Plan; development of programmatic preliminary engineering, design, and construction phase tools; and development and updating of detailed project delivery schedules.

As the program has progressed the need for consultant services has evolved. Between 2016 and 2021, SPU will require ongoing, but limited, program management support, and in addition support to help plan for the commissioning, startup, and operation of the new types of assets that are being designed and constructed.



## Project Scope

In part, this contract will include support services for program management, operations planning, instrumentation and controls system planning, system operations optimization, project commissioning improvement, and operations & maintenance resource planning.

## Contracting Opportunities

Schedule of Events	Target Date
RFQ Release	March 2016
Pre-Proposal Conference	To be announced

## General Information

Don Anderson – Capital Programs Manager

(206) 233-1086

[donald.anderson@seattle.gov](mailto:donald.anderson@seattle.gov)

## Background

The Localized Flood Control Program is comprised of numerous small to moderate sized projects and sub-programs that use capital improvements to meet two main objectives: solve drainage problems via reducing or eliminating spot and localized flooding caused by failures or inadequacies in SPU's drainage system, both formal and informal, and, eliminating the risk of damages to the drainage system from landslides and earth movement in landslide prone areas. The overall program includes work within the Spot Drainage, Landslides and Localized capital programs, dovetailing with other SPU programs where program goals overlap, e.g., Creek Culvert and Beneficial Uses Programs. The program employs prioritization models to assess where best to spend limited resources first with multiple requests for address of drainage problems. The Program coordinates with customer service, operations and maintenance, and other city departments and programs in receiving, evaluating, addressing and determining ownership of incoming drainage requests.

Previous projects from the program have included projects throughout Seattle's neighborhoods and business districts: the Licton Springs Flood Reduction Project, 22<sup>nd</sup> & E. Jefferson Drainage & Sewer Project, Seola Pond Retrofit Project (with King County), NW 120<sup>th</sup> Street Outfall Improvement Project, and the S. Portland Street Drainage Improvement Project.

Currently, the Localized Flood Control Program is partnering with the Green Stormwater Infrastructure (GSI) Program to identify opportunity sites within the *localized* database requiring drainage address and resolution, and for which GSI benefits could be realized to solve existing localized flooding drainage problems. This work product will provide a prioritized list of location areas requiring GSI solutions, gray or traditional drainage capital solutions, and green-and-gray options. The problem locations of highest priority requiring gray-only solutions will be combined into a package for options analysis consultation request within a phased engineering services contract.

## Project Scope

Scope of work for each location includes but is not limited to:

- Evaluating site conditions to confirm the problem statement, land survey, collection of existing data, information, claims history, previous reports, available related data, boundary conditions, etc.
- Hydraulic and hydrologic drainage system modeling and analyses.
- Determining and evaluating options in support of maintaining the existing service level at each location. Such evaluation of options would include engineering analyses, cost estimating, evaluation of risks, drainage system impacts, level of service effects, elimination of flooding, evaluating proposed options to assess and prioritize the options; trenchless evaluation and design, roadway reconstruction, storm system design and construction, green stormwater infrastructure design and evaluation, application of current code requirements, etc.
- Permitting and SEPA support, site visits, project management, scheduling, preparation of technical reports; coordinate, support and participate with public outreach and engagement, attending project team meetings, preparation and support of the business case, assist SPU with developing and presenting project information, and other professional engineering consultative support.
- Potential design phase and construction administration support phase work.

## Localized Flooding 2016 Program

### Project Scope

Anticipated timeline of work includes *options analysis* phase work to begin in 2017, with *design* phase work beginning in approximately 2018.

### Contracting Opportunities

Schedule of Events	Target Date
RFQ Release	4Q 2016 or 1Q 2017
Pre-Proposal Conference and Site Visit	TBD – dependent on specific site locations

### General Information

Dave Schuchardt  
[Dave.schuchardt@seattle.gov](mailto:Dave.schuchardt@seattle.gov)

### Background

This contract will continue investigations of the Lower Duwamish Waterway Superfund Site (LDW) in preparation for a later phase of detailed engineering design.

### Project Scope

- Pre-Design tasks for planning, implementation, and reporting of various studies.
- Includes baseline sampling and analysis of sediments, surface water, fish and shellfish; a survey of waterway users and in-water structures to inform recovery category and technology assignments
- Sampling to help the Washington Department of Ecology assess the sufficiency of contaminant source control to advance the site cleanup,

### Contracting Opportunities

Schedule of Events	Target Date
RFQPA Release	March 2016
Pre-Proposal Conference and Site Visit	March 2016
Estimated Work Start Date	July 2016

# Sewer Rehabilitation Design Services

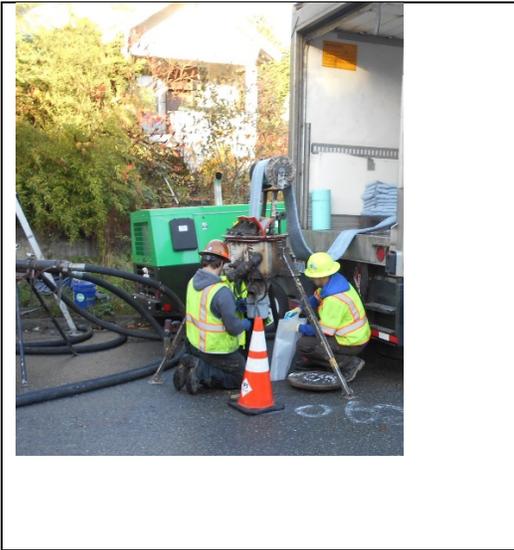
## General Information

Contract Manager, Reed Blanchard 684-5946

Contract Value – approximately \$2 to \$4 million per year for 3 years with potential for an extension up to 2 more years.

One or more consultant teams to be selected

Successful, timely and cost-effective sewer rehabilitation is critical to success of Seattle’s CMOM Program



## Background

Seattle Public Utilities (SPU) has 1,421 miles of sewer pipeline, the majority of which lies within the City limits, to convey wastewater to the collection and treatment system operated by King County. SPU’s wastewater collection system includes sanitary-only, fully-combined, and partially-combined pipe.

The primary objectives of the Sewer Rehabilitation Program are to:

- Renew SPU’s wastewater pipe assets through various methods including rehab (lining), replacement (trenchless or open cut) and repair (also referenced as spot or point repair).
- Support SPU’s National Pollutant Discharge Elimination System (NPDES) and Consent Decree obligations by eliminating sewer overflows (SSO), dry weather overflows (DWO) and exacerbated combined sewer overflows (CSO).

SPU’s recently approved business plan for the program includes a target of renewal of approximately 90 miles of pipe by 2020. The majority of the renewal is anticipated to take the form of sewer main lining.

## Project Scope

Project tasks will include: creating 90% and final design packages including plans, specifications, and cost estimates; obtaining all City, State, and Federal permits; and providing engineering assistance during construction. The primary design work is anticipated to support relining efforts but may also include spot mainline repair and sewer main replacement. For lining work only, SPU anticipates an annual need for 5-7 contractor bid packages containing between 50 to 150 individual work sites each. Work sites will consist of lining of a mainline from maintenance hole (MH) to MH and lining of tees at each lateral.

## Contracting Opportunities

Schedule of Events	Target Date
RFQ Release	Anticipated April / May 2016
Pre-Proposal Conference and Site Visit	TBD

# Spokane Street Pump Station Rehabilitation

## General Information

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## Background

Spokane St Pump Station was constructed in 1928 and is located on SW Spokane St and 33<sup>rd</sup> Ave SW. The building is a single story brick structure measuring 22ft wide by 34ft long. The building structure (roof, floors, trusses, etc.) has deteriorated over 86 years of operation. Buildings of similar construction are vulnerable in seismic events.

## Project Scope

Upgrade or replace existing 792 sq. ft. masonry constructed drinking water pump station with prefabricated structure on existing foundation. Contract scope will be to design and construct replacement structure and to upgrade electrical components to specifications provided by SPU. Water distribution infrastructure (pipes, pumps, valves, etc.) to remain and retain existing configuration.

## Contracting Opportunities

Schedule of Events	Target Date
RFQPA Release	Anticipated 11/1/2016
Pre-Proposal Conference and Site Visit	n/a

## General Information

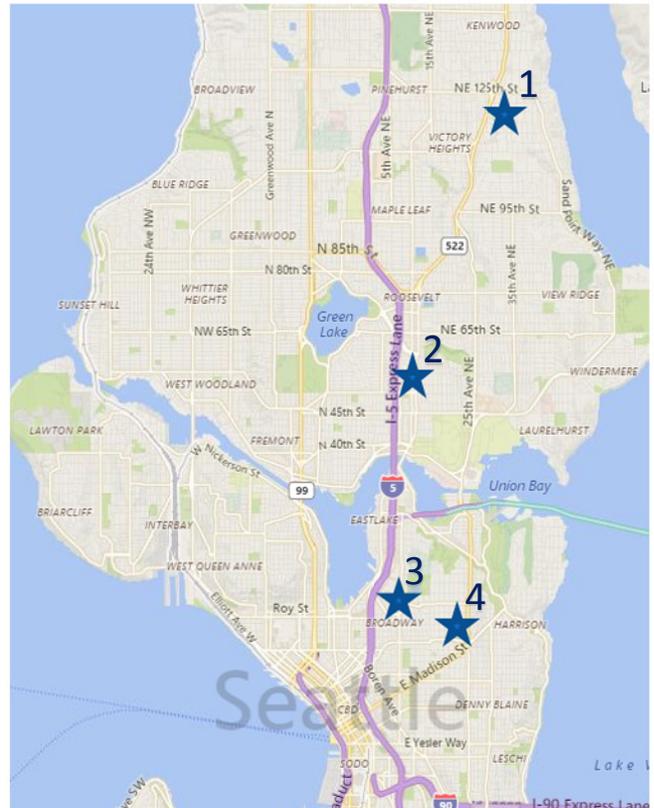
Don Anderson – Capital Programs Manager  
(206) 233-1086  
[donald.anderson@seattle.gov](mailto:donald.anderson@seattle.gov)

## Background

The Sanitary Sewer Overflow (SSO) Capacity Program aims to enhance the sanitary sewer experience by addressing capacity limitations of the wastewater system through capital improvements. Such improvements may include demand management measures such as reducing infiltration and inflow (I&I), increasing conveyance capacity or making related infrastructure improvements, providing system modeling to support design changes, as well as installing backflow preventers and/or grinder pumps to reduce the risks of sewage backups. The goals of the program are to reduce SSOs that occur on private property or within the public right-of-way and differ from other programs in SPU's program toolbox with which the SSO Capacity Program coordinates. For instance, the combined sewer overflows (CSOs) program focuses on minimizing overflows to a receiving water body; the capacity management, operations & maintenance program (CMOM) focuses on maximizing how SPU operates the condition of the pipe – is it free of roots, fats, oils & grease, and structurally intact?

The current program has annually and/or periodically turned out sewer improvement projects in various parts of the city, most recently focusing on the Broadview and South Park Programs, as well as projects in the central district and Madison Valley areas.

For more information on SPU's other Sewage Overflow Prevention programs and projects, visit SPU's website: <http://www.seattle.gov/util/EnvironmentConservation/Projects/SewageOverflowPrevention/index.htm>



## Project Scope

The four locations of work for the 2016 SSO Capacity Program are from SPU's wastewater business case, claims records, monitoring data, and maintenance histories. The following sites are included in the current program:

### Location 1: 32<sup>nd</sup> & 35<sup>th</sup> Avenues NE

The area near 33<sup>rd</sup> and 35<sup>th</sup> Avenues NE and NE 125<sup>th</sup> Street show under-capacity sewers and several claims and backups.

### Location 2: 8<sup>th</sup> Ave NE & NE 55<sup>th</sup> Street

The area near 8<sup>th</sup> Avenue NE and NE 55<sup>th</sup> Street shows a cluster of claims and backups that may be associated with an under-capacity 8-inch line running east-west on NE 55<sup>th</sup> Street.

### Location 3: Harvard & Roy

The area near Harvard Avenue East, Broadway East from East Roy Street to East Aloha Street has a record of a cluster of claims. The sewer on Harvard Avenue exhibits capacity restrictions and is likely substandard.

# SSO Capacity Program 2016 Projects

## Project Scope

Location 4: 24<sup>th</sup> & Harrison

The sewer line on 24<sup>th</sup> Avenue East from East Thomas Street to just north of East Harrison Street lacks capacity and is failing. Scope needs include determining the best replacement solution, which likely includes basin modeling, sewer and roadway design.

Scope of work for each location includes but is not limited to:

- Evaluating site conditions to confirm the problem statement, collection of existing data, information, claims history, previous reports, available related data, boundary conditions, mapping, flow data, survey info, etc.
- Evaluation of data and models to confirm applicability, identify additional data needs, preliminary engineering analyses, hydraulic and hydrologic sewer system modeling and analyses, potential modeling calibration and validation.
- Determining and evaluating options in support of maintaining the existing service level at each location. Such evaluation of options would include engineering analyses, cost estimating, evaluation of risks, sewer system impacts, level of service effects, elimination of basement flooding, running proposed options through model to assess and prioritize the options; trenchless evaluation and design, sewer design, roadway reconstruction, storm system design and construction, green stormwater infrastructure design and evaluation, application of current code requirements, etc.
- Permitting and SEPA support, site visits, project management, scheduling, preparation of technical reports; coordinate, support and participate with public outreach and engagement, attending project team meetings, preparation and support of the business case, assist SPU with developing and presenting project information, and other professional engineering consultative support.
- Potential design phase and construction administration support phase work.

Anticipated timeline of work includes *options analysis* phase work in the second half of 2016 and into 2017, with *design* phase work beginning in approximately the second quarter of 2017.

## Contracting Opportunities

Schedule of Events	Target Date
RFQ Release	June 2016