



Exhibit B

City of Camas Illicit Discharge Detection and Elimination Field Screening Scope of Work Otak Project #: 19308 May 6, 2019

Project Description

The City of Camas (City) is regulated by the Washington State Department of Ecology (Ecology) National Pollutant Discharge Elimination System (NPDES) Phase 2 Municipal Stormwater Permit (Permit). The City has requested Otak's assistance in measures required to meet the conditions of section S5.C.3.c.i Illicit Discharge Detection and Elimination (IDDE). The City has identified an inventory of 124 outfalls for inspection in 2019. Otak will work with the City to refine the inventory, if necessary, and then conduct field screening of outfalls.

Scope of Work

Task 1 – Project Management

The Project team will plan, manage, and execute the tasks described herein in accordance with the schedule, budget, and quality expectations. This project management task includes the following work activities:

- Manage the quality control review of all work activities and project deliverables
- Prepare and submit a monthly invoice and progress report
- Monthly project coordination, telephone conversations, and email correspondence

Task 2 – IDDE Field Screening

Task 2.1 – Inventory Review and Field Mapping

Otak staff will review the City's outfall inventory to establish an approved inspection list and field map prior to beginning field work. The inventory review and field mapping will include the following tasks:

- Set up SharePoint site to transfer as-built and GIS data to and from the City
- Review existing outfall information including as-built plans, existing GIS data, and inventory data
- Meetings with City staff to approve inventory and field map

Task 2.2 – Fieldwork

Otak staff will conduct field screening using outfall inspection as the methodology. Screening will include the following tasks:

- Field-verify outfall location using GPS
- Photograph outfalls
- Inspect outfalls for indications of illicit discharges, including flow, odor, discoloration, oil sheens, etc.
 - If flow is detected, the field crew will collect flow rate, temperature, pH and ammonia using portable equipment and supplies, such as thermometer and test strips
- Characterize outfalls with respect to presence of an illicit discharge as unlikely, potential, suspect or obvious, based on field observations

- If an obvious illicit discharge is present, Otak will record any observations of a source if one appears to be in the immediate vicinity
- Record notes about access issues, or inability to access an outfall, when pertinent

Field procedures will be guided by *Illicit Connection and Illicit Discharge Field Screening and Source Tracing Guidance Manual* (by Herrera Environmental Consultants, Inc. for Department of Ecology, 2013). For outfalls with potential or suspected illicit discharges, Otak will refer inspection reports to the City's Project Manager within one business day.

Task 2.3 – Data Management & Summary Report

Once field screening is complete, Otak will upload the collected information into Google Earth or GIS Database and provide the data to the City. Otak will prepare a summary report to assist the City in documenting the process for its NPDES annual report.

Task 2 Assumptions

- Fieldwork preparation is included, such as setting up GPS equipment and obtaining supplies
- A crew of two staff will conduct the screening fieldwork
- Field investigations will take place between July and the end of September
- Field screening will be scheduled only on dry days preceded by a 48-hour dry period
- We will attempt to inspect 124 outfalls one time each, assuming an average of about 10 outfalls per field day
- Otak will inspect as many outfalls as possible until the Task 2.2 contracted budget is reached

Task 2 Deliverables

- Digital outfall location data and photographs
- Hard copy or scanned outfall data sheets
- Timely referrals of potential or suspected illicit discharges to the City's PM by email
- Summary report, including list of outfalls where illicit discharges were suspected

Schedule

All field screening will take place during the dry season, July through September. The completed data, outfall data sheets, and summary report will be provided to the City by December 1, 2019.

Exclusions

The scope of work does not include sample collection for laboratory analysis or source tracing of potential or suspected illicit discharges.