



STATE OF WASHINGTON  
**DEPARTMENT OF ECOLOGY**

Northwest Region Office  
PO Box 330316, Shoreline, WA 98133-9716 • 206-594-0000

December 30, 2024

Thomas Knuckey  
Director, Public Works & Utilities  
City of Bremerton  
100 Oyster Bay Ave N  
Bremerton WA 98312-3455

Re: City of Bremerton Decommissioning of Beach Sewer from OF-4 to EB-2 Project  
Prerequisite documents for application WQC-2026-BremPW-00385

Dear Thomas Knuckey:

The Department of Ecology (Ecology) has reviewed the following documents prepared by Parametrix for the City of Bremerton's (City) Decommissioning of Beach Sewer from OF-4 to EB-2 Project:

- City of Bremerton Bidding and Contracting Requirements and Project Specifications Decommissioning of Beach Sewer from OF-4 to EB-2, dated December 2024
- City of Bremerton Decommission Beach Sewer From OF-4 TO EB-2 Plans, dated December 2024

In accordance with RCW 90.48.110 and Chapter 173-240 WAC, Ecology hereby **approves** the above documents as plans and specifications. A copy of each document's cover sheet that includes our approval stamp is being returned for your records. Ecology did not receive hard copy submittals of the documents.

The plans and specifications include design details for the following collection system modifications that will eliminate sanitary sewage discharges to the Port Washington Narrows from failed and broken or leaking laterals and beach sewers:

- A new pump station (EB-7) located in the right-of-way (ROW) at the west end of E 16th Street,
- grinder pump stations at individual properties along Wheaton Way, E 16th Street, E 13th Street, and Marlow Avenue,
- gravity sewer and force main collection system improvements.

Ecology's review and approval is limited to assuring compliance with the State's water quality laws and regulations listed above. Nothing in this approval shall be construed as satisfying other applicable federal, state or local statutes, ordinances or regulations. Ecology's approval also does not relieve the owners of this facility from any responsibilities or liabilities as a result of noncompliance with the NPDES permit during construction or in operation of the approved facilities.


You must submit the following additional documents associated with the proposed project:

- WAC 173-240-075 Construction Quality Assurance Plan,
- WAC 173-240-080 Operation and Maintenance Manual, and
- WAC 173-240-090 Declaration of Construction of Water Pollution Control Facilities.

During construction, Ecology must review and approve any construction change orders that deviate significantly from the approved design. Please submit change orders for significant changes prior to incorporating the change into the project. Ecology is not required to approve minor change orders that do not impact the overall function of the completed facility or water quality. However, Ecology must review minor change orders to determine whether the associated cost is eligible for reimbursement with Ecology-administered loans.

If you have any questions concerning this approval, please contact Madison Diaz at [mdia461@ecy.wa.gov](mailto:mdia461@ecy.wa.gov) or (425) 495-1777 (mobile).

Sincerely,



Rachel McCrea  
Water Quality Section Manager  
Northwest Region Office

Enclosure

ecc: David Powell, P.E. Engineering Project Manager - Utilities, City of Bremerton  
Bill Davis, P.E., Managing Engineer – Utilities, City of Bremerton  
Eric Burris, Wastewater Manager, City of Bremerton  
Joel Linke, P.E., Civil Engineer, Parametrix  
Madison Diaz, Permit Manager, Department of Ecology  
Sue Cook, Project Manager, Department of Ecology  
Department of Ecology: PARIS, Bremerton WWTP, WA0029289  
Department of Ecology: EAGL, City of Bremerton, WQC-2026-BremPW-00385



## City of Bremerton

### Bidding and Contracting Requirements and Project Specifications

# Decommissioning of Beach Sewer from OF-4 to EB-2

City of Bremerton Project No. 5848

---

Partially funded by Washington State Department of Ecology:  
Clean Water State Revolving Fund (CWSRF) Program,  
Agreement No. WQC-2018-BremPW-00017

---

#### Bid Opening:

---

**APPROVED**  
**DEPARTMENT OF ECOLOGY**

ENGINEERING

SIGNATURE \_\_\_\_\_

DATE 12/24/2024 \_\_\_\_\_

*Malcolm Diaz*

#### Contact Person:

David Powell, P.E.  
Public Works and Utilities, Engineering Division  
345 Sixth Street, Suite 600  
Bremerton, WA 98337  
(360) 473-5268

# CITY OF BREMERTON

DEPARTMENT OF PUBLIC WORKS AND UTILITIES

## DECOMMISSION BEACH SEWER FROM OF-4 TO EB-2

CITY OF BREMERTON PROJECT NO. 5848

FUNDED BY CLEAN WATER STATE REVOLVING FUND (CWSRF) LOAN PROGRAM

AGREEMENT NO. WQC-2020-BREMPW-00066

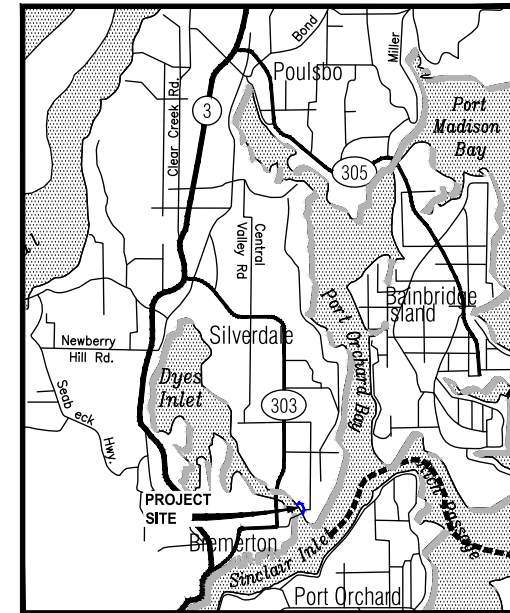
BETWEEN THE CITY OF BREMERTON AND THE STATE OF WASHINGTON DEPARTMENT OF ECOLOGY

DECEMBER 2024



City of Bremerton  
Engineering Division

SHEET NO.	DWG NO.	DRAWING TITLE	SHEET NO.	DWG NO.	DRAWING TITLE
GENERAL			SURFACE RESTORATION		
1	G1.1	SHEET INDEX AND LOCATION MAP	21	C3.1	SURFACE RESTORATION - E 16TH STREET
2	G1.2	GENERAL NOTES	22	C3.2	SURFACE RESTORATION - MARLOW AVE AND E 13TH STREET
3	G1.3	LEGEND AND ABBREVIATIONS	23	C3.3	SITE PREPARATION & SURFACE RESTORATION 1145 WHEATON
4	G1.4	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS	24	C3.4	SURFACE RESTORATION - DETAIL
5	G2.1	HORIZONTAL CONTROL	STRUCTURAL		
GRINDER PUMP STATIONS			25	S1.01	STRUCTURAL NOTES AND DETAIL
6	C1.1	SITE KEY MAP	26	S1.02	STRUCTURAL DETAILS
7	C1.2	MANETTE SHORELINE GRINDER PUMP INSTALLATION PLAN AND BEACH SEWER LATERAL ABANDONMENT	27	S2.11	PUMP STATION WEATHER COVER DETAILS
8	C1.3	1423 & 1425 MARLOW AVE GRINDER PUMP INSTALLATION PLAN AND BEACH SEWER LATERAL ABANDONMENT	MECHANICAL		
9	C1.4	NARROWS EAST GRINDER PUMP INSTALLATION PLAN AND BEACH SEWER LATERAL ABANDONMENT	28	M2.01	MECHANICAL LEGEND AND ABBREVIATIONS
10	C1.5	MARLOW AVE & E 13TH GRINDER PUMP INSTALLATION PLAN AND BEACH SEWER LATERAL ABANDONMENT	29	M2.11	EB-7 PUMP STATION PLAN
11	C1.6	MANETTE SHORES & SHORES EAST GRINDER PUMP INSTALLATION PLAN AND BEACH SEWER LATERAL ABANDONMENT	30	M2.12	EB-7 PUMP STATION SECTION
12	C1.7	SUNSET SHORES GRINDER PUMP INSTALLATION PLAN AND BEACH SEWER LATERAL ABANDONMENT	31	M2.13	EB-7 PUMP STATION VENTING PLAN
13	C1.8	BEACH ACCESS BEACH SEWER LATERAL ABANDONMENT	32	M2.14	MECHANICAL DETAILS
14	C1.9	MUNRO PUMP STATION PLAN AND DETAIL	33	M2.15	MECHANICAL DETAILS
15	C1.10	STANDARD DETAILS	ELECTRICAL		
FORCE MAIN AND LPS			34	E1.01	ELECTRICAL LEGEND AND ABBREVIATIONS
16	C2.1	SITE KEY MAP	35	E1.02	ELECTRICAL DIAGRAMS AND DETAIL
17	C2.2	E 16TH STREET LOW PRESSURE SEWER AND EB-7 FORCE MAIN PLAN AND PROFILE	36	E1.21	MANETTE SHORELINE GRINDER PUMP INSTALLATION ELECTRICAL SITE PLAN
18	C2.3	MARLOW AVE LOW PRESSURE SEWER PLAN AND PROFILE	37	E1.22	MANETTE SHORELINE ELECTRICAL ONE-LINE DIAGRAM, ATS CONNECTION DIAGRAM, AND LOAD CALC
19	C2.4	MARLOW AVE AND E 13TH LOW PRESSURE SEWER PLAN AND PROFILE	38	E1.23	MANETTE SHORELINE DETAIL
20	C2.11	EB-7 PUMP STATION SITE PLAN	39	E1.31	NARROWS EAST GRINDER PUMP INSTALLATION ELECTRICAL SITE PLAN
			40	E1.32	NARROWS EAST ELECTRICAL ONE-LINE DIAGRAM, DETAIL, AND LOAD CALC
			41	E1.41	MANETTE SHORES AND SHORES EAST GRINDER PUMP STATION INSTALLATION ELECTRICAL SITE PLAN
			42	E1.42	MANETTE SHORES AND SHORES EAST ELECTRICAL ONE-LINE DIAGRAM AND ATS CONNECTION DIAGRAM
			43	E1.43	MANETTE SHORES AND SHORES EAST LOAD CALCULATIONS
			44	E1.44	MANETTE SHORES AND SHORES EAST DETAILS
			45	E1.51	SUNSET SHORES GRINDER PUMP STATION INSTALLATION ELECTRICAL SITE PLAN
			46	E1.52	SUNSET SHORES ELECTRICAL ONE-LINE DIAGRAM, DETAIL, AND LOAD CALC
			47	E2.11	PUMP STATION ELECTRICAL SITE PLAN
			48	E2.12	PUMP STATION ONE-LINE DIAGRAM, BLOCK DIAGRAM, AND TRANSFER SWITCH CONNECTION DIAGRAM
			49	E2.13	PUMP STATION EQUIPMENT RACK LIGHTING PLAN AND DETAILS
			50	E2.14	PUMP STATION PUMP CONTROL PANEL ELEVATIONS
			51	E2.15	PUMP STATION CONTROL PANEL POWER WIRING
			52	E2.16	PUMP STATION MOTOR CONTROL ELEMENTARY DIAGRAM
			53	E2.17	PANELBOARD, LIGHTING, AND CONDUIT AND CABLE SCHEDULES



LOCATION MAP

NO SCALE

APPROVED  
DEPARTMENT OF ECOLOGY

ENGINEERING

SIGNATURE

DATE 12/24/2024



Know what's below.  
Call before you dig.

RECOMMENDED BY: DAVID POWELL, P.E. CITY PROJECT MANAGER  
APPROVED BY: WILLIAM DAVIS, P.E. MANAGING ENGINEER-UTILITIES



REVISIONS			
NO.	DESCRIPTION	DATE	BY

0	1"	2"
TWO INCHES AT FULL SCALE IF NOT SCALE ACCORDINGLY		
SCALE		
HORIZ. AS NOTED	VERT. AS NOTED	

FIELD BOOK
DRAWING NO.
G1.1



CITY OF BREMERTON DEPARTMENT OF PUBLIC WORKS & UTILITIES ENGINEERING DIVISION			
DRAWN BY: B. ANTOINE DATE: 12/2024	DESIGN BY: J. LINKE WASH. P.E. # 48954 DATE: 12/2024	CHECKED BY: T. TADANO WASH. P.E. # 56666 DATE: 12/2024	Parametrix

DECOMMISSION BEACH SEWER FROM OF-4 TO EB-2

SHEET INDEX AND LOCATION MAP

DWG NO.	G1.1
SHEET	1
OF	63