



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

*Northwest Regional Office • 3190 160th Avenue SE • Bellevue, Washington 98008 • (425) 649-7000  
711 for Washington Relay Service • Persons with a speech disability can call (877) 833-6341*

April 12, 2021

Thomas Knuckey, P.E., Director  
Department of Public Works and Utilities  
City of Bremerton  
100 Oyster Bay Avenue N.  
Bremerton, WA 98312

Re: Bremerton Wastewater Treatment Plant (NPDES Permit No. WA0029289)  
Oyster Bay Beach Sewer Upgrades Project (WQC-2018-BremPW-00117)  
Approval of Plans and Specifications

Dear Thomas Knuckey:

The City of Bremerton has submitted to the Department of Ecology (Ecology) the Plans and Specifications of the “Bremerton Oyster Bay Beach Sewer Upgrades”, dated March 2021 (prepared by Parametrix), Addendum No.1 (dated April 5, 2021), and Addendum No.2 (dated April 9, 2021).

In accordance with RCW 90.48.110 and WAC 173-240, the submittals of the above referenced project have been reviewed and are hereby approved. An approved copy of the documents will be kept on file at Ecology. The title pages, with Ecology’s approval stamp, are enclosed for your records.

Nothing in this approval shall be construed as satisfying other applicable federal, state or local statutes, ordinances or regulations. This review and approval is limited to assuring compliance with the State water quality laws and regulations listed above. This review and approval does not cover the structural or electrical design elements of this project, nor does the State of Washington assume any liability for the proper engineering of this facility. This approval shall not relieve the City of Bremerton from any responsibilities or liabilities as a result of non-compliance with the discharge permit during construction or in operation of facilities approved herein.

Thomas Knuckey, P.E.

April 12, 2021

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For additional information, please contact Kevin Leung, permit manager, at (425) 649-7207 or by email at [kevin.leung@ecy.wa.gov](mailto:kevin.leung@ecy.wa.gov).

Sincerely,

A handwritten signature in black ink that reads "Rachel McCrea". The signature is written in a cursive, flowing style.

Rachel McCrea  
Water Quality Section Manager  
Northwest Regional Office

Enclosure: As noted

ecc: Eric Burris, Wastewater Manager, City of Bremerton  
Bill Davis, P.E., Managing Engineer, City of Bremerton  
Cedar Simmons, P.E., Project Manager, Parametrix  
Kevin Leung, P.E, Permit Manager, Department of Ecology  
Department of Ecology files: PARIS, Bremerton WWTP, WA0029289



## City of Bremerton

Volume 1 – Bidding and Contracting Requirements and  
Project Specifications

# Oyster Bay Beach Sewer Upgrades

City of Bremerton Project No. 5827

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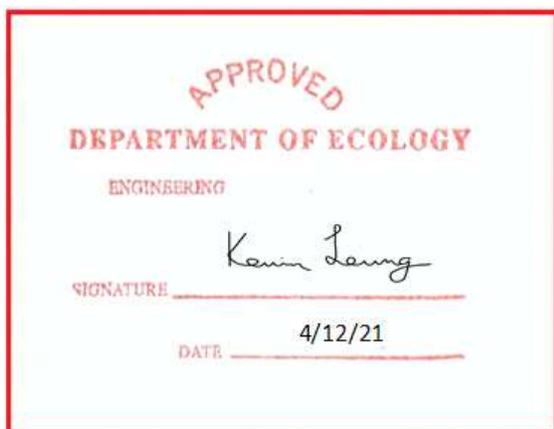
Partially funded by Washington State Department of Ecology:  
Clean Water State Revolving Fund (CWSRF) Program,  
Agreement No. WQC-2018-BremPW-00017

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**Bid Opening:**

April 14, 2021 @ 1:00 p.m.  
City Clerk's Office, City Hall  
345 Sixth Street, Suite 600  
Bremerton, WA 98337

*NOTE: City Hall is currently closed to the public. The bid opening will be conducted using Zoom to allow public viewing (a link will be posted on the City website)*



**Contact Person:**

Bill Davis, P.E.  
Public Works and Utilities, Engineering Division  
345 Sixth Street, Suite 600  
Bremerton, WA 98337  
(360) 473-2312

## CERTIFICATION BY ENGINEER

The technical material and data contained in these Specifications for the City of Bremerton project titled **Oyster Bay Beach Sewer Upgrades**, were prepared under the supervision and direction of the undersigned, whose seal, as a professional engineer licensed to practice as such, is affixed below.



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Prepared by Cedar I. Simmons, PE  
(WSDOT Division 1)



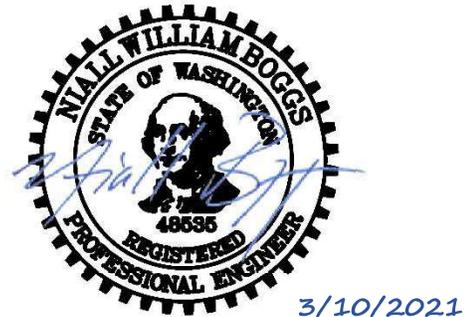
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Prepared by Joel S. Linke, PE  
(WSDOT Divisions 2 & 9, Section 7-21)



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Rhiannon K. Sayles, PE  
(WSDOT Divisions 4, 5, 6, & 8; Section 7-04)



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Prepared by Niall William Boggs, PE  
(WSDOT Sections 7-05 through 7-19)

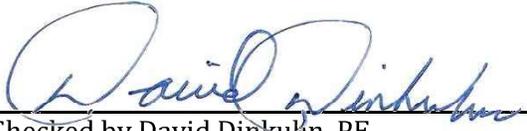


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Prepared by Connor Wittman, PE  
(CSI Specifications, Divisions 1, 3, 13, & 26)

**CERTIFICATION BY ENGINEER (CONTINUED)**

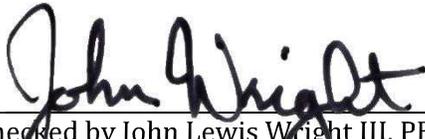
The technical material and data contained in these Specifications for the City of Bremerton project titled **Oyster Bay Beach Sewer Upgrades**, were prepared under the supervision and direction of the undersigned, whose seal, as a professional engineer licensed to practice as such, is affixed below.



Checked by David Dinkuhn, PE  
(WSDOT Division 1)



Checked by Raynold S. Nickel, PE  
(WSDOT Section 7-21)



Checked by John Lewis Wright III, PE  
(WSDOT Divisions 2, 4, 5, 6, 8, and 9;  
Division 7 except for Section 7-21)



Checked by Robert Rohler, PE  
(CSI Specifications; Division 26)



Checked by Steven A. Wagner, PE  
(CSI Specifications; Divisions 3 and 13)



Checked by Cedar I. Simmons, PE  
(CSI Specifications; Division 1)

*William Davis*

Approved and recommended by: William Davis, PE  
Managing Engineer, City of Bremerton  
Public Works and Facilities  
Engineering Division



# CITY OF BREMERTON

## DEPARTMENT OF PUBLIC WORKS AND UTILITIES



City of Bremerton  
Engineering Division

### VOL. 2 - OYSTER BAY BEACH SEWER UPGRADES

CITY OF BREMERTON PROJECT NO. 5827  
PARTIALLY FUNDED BY CLEAN WATER STATE REVOLVING FUND (CWSRF) LOAN PROGRAM  
AGREEMENT NO. WQC-2018-BREMPW-00117

BETWEEN THE CITY OF BREMERTON AND THE STATE OF WASHINGTON DEPARTMENT OF ECOLOGY  
MARCH 2021

APPROVED

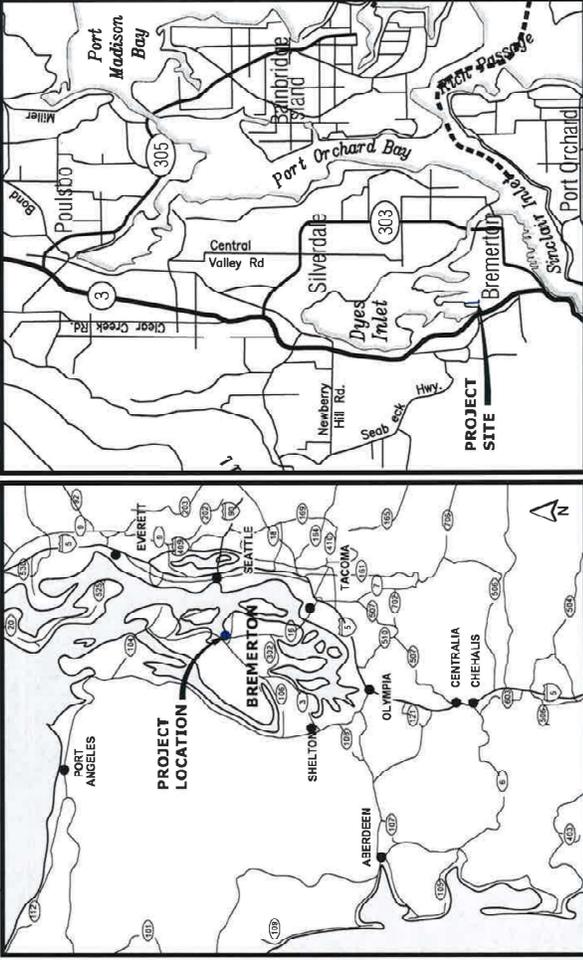
DEPARTMENT OF ECOLOGY

EXHIBITORY

SIGNATURE: *Karen Young*

DATE: 4/12/21

SHEET NO.	DWG NO.	DRAWING TITLE	SHEET NO.	DWG NO.	DRAWING TITLE
<b>GENERAL - ALL SCHEDULES</b>					
1	G1.1	SHEET INDEX, VICINITY MAP, AND LOCATION MAP	36	C3.1	SHOREWOOD DRIVE AND MADRONA POINT SURFACE RESTORATION FM STA 50+00 TO 7+00, SHOREWOOD DR 60+00 TO 83+50
2	G1.2	GENERAL NOTES	37	C3.2	SHOREWOOD DRIVE AND MADRONA POINT SURFACE RESTORATION FM STA 50+00 TO 7+00, SHOREWOOD DR 60+00 TO 83+50
3	G1.3	LEGEND AND ABBREVIATIONS	40	C3.3	SHOREWOOD DRIVE AND MADRONA POINT SURFACE RESTORATION FM STA 24+00 TO 26+00
4	G1.4	GRINDER PUMP SITE KEY MAP	41	C3.4	KITSAP WAY SURFACE RESTORATION FM STA 26+00 TO 34+00
5	G1.5	VERTICAL CONTROL POINT CONTROL NOTES AND DETAILS	42	C3.5	SHOREWOOD DRIVE AND MADRONA POINT SURFACE RESTORATION FM STA 34+00 TO 42+00
6	G3.1	HORIZONTAL CONTROL	43	C3.6	WESLON PLACE AND LOWER OYSTER BAY SURFACE RESTORATION FM STA 24+00 TO 26+00
<b>GRINDER PUMP STATIONS - SCHEDULE G/D</b>					
7	C1.1	MADRONA POINT DRIVE GRINDER PUMP INSTALLATION PLAN	44	C3.7	WESLON PLACE AND LOWER OYSTER BAY SURFACE RESTORATION FM STA 24+00 TO 26+00
8	C1.2	SHOREWOOD DRIVE GRINDER PUMP INSTALLATION PLAN I	45	C4.1	SHOREWOOD DRIVE AND MADRONA POINT STORMWATER PLAN AND PROFILE STA 60+00 TO 65+00
9	C1.3	SHOREWOOD DRIVE GRINDER PUMP INSTALLATION PLAN II	46	C4.2	SHOREWOOD DRIVE AND MADRONA POINT STORMWATER PLAN AND PROFILE STA 65+00 TO 69+00
10	C1.4	SHOREWOOD DRIVE GRINDER PUMP INSTALLATION PLAN III	47	C4.3	SHOREWOOD DRIVE AND MADRONA POINT STORMWATER PLAN AND PROFILE STA 69+00 TO 73+00
11	C1.5	SHOREWOOD DRIVE GRINDER PUMP INSTALLATION PLAN IV	<b>CHANNELIZATION - SCHEDULE A</b>		
12	C1.6	KITSAP WAY GRINDER PUMP INSTALLATION PLAN I	48	C5.1	SHOREWOOD DRIVE CHANNELIZATION
13	C1.7	WESLON PLACE GRINDER PUMP INSTALLATION PLAN	49	C5.2	SHOREWOOD DRIVE AND SURFACE RESTORATION
14	C1.8	LOWER OYSTER BAY GRINDER PUMP INSTALLATION PLAN	50	C5.3	SHOREWOOD DRIVE AND KITSAP WAY CHANNELIZATION
15	C1.9	LOWER OYSTER BAY GRINDER PUMP INSTALLATION PLAN	51	C5.4	SHOREWOOD DRIVE STA 71+50 TO 77+46
16	C1.10	OYSTER BAY TMD GRINDER PUMP INSTALLATION PLAN	52	C5.5	KITSAP WAY CHANNELIZATION FM STA 26+00 TO 34+00
<b>FORCE MAIN AND UPS - SCHEDULE A</b>					
17	C2.1	FORCE MAIN SHEET INDEX AND CONSTRUCTION STAGING	53	C5.6	KITSAP WAY CHANNELIZATION FM STA 42+00 TO 44+30
18	C2.2	MADRONA POINT DRIVE AND PROFILE 24+60 TO 7+00	<b>ELECTRICAL - SCHEDULE C</b>		
19	C2.3	MADRONA POINT DRIVE AND SHOREWOOD DRIVE	54	E1.1	ELECTRICAL LEGEND AND ABBREVIATIONS
20	C2.4	FORCE MAIN PLAN AND PROFILE 13+00 TO 14+00	55	E1.2	FORCED MAIN PLAN AND ONE-LINE DIAGRAM
21	C2.5	SHOREWOOD DRIVE FORCE MAIN PLAN AND PROFILE 14+00 TO 38+00	56	E1.3	ELECTRICAL SITE PLAN AND ONE-LINE DIAGRAM
22	C2.6	SHOREWOOD DRIVE AND KITSAP WAY	57	E1.4	CITY OF BREMERTON ELECTRICAL SITE PLAN AND ONE-LINE DIAGRAM
23	C2.7	SHOREWOOD DRIVE AND KITSAP WAY	58	E1.5	BAYSHORE WEST CONDOS (924 SHOREWOOD DR.)
24	C2.8	FORCE MAIN PLAN AND PROFILE 22+00 TO 26+00	59	E1.6	SAFARI CLUB (264 SHOREWOOD DR.)
25	C2.9	KITSAP WAY FORCE MAIN PLAN AND PROFILE 26+00 TO 30+00	60	E1.7	ELECTRICAL ONE-LINE DIAGRAM
26	C2.10	KITSAP WAY FORCE MAIN PLAN AND PROFILE 30+00 TO 38+00	61	E1.8	ELECTRICAL DETAILS
27	C2.11	KITSAP WAY FORCE MAIN PLAN AND PROFILE 38+00 TO 42+00	<b>REVISIONS</b>		
28	C2.12A	KITSAP WAY AND OB-1 PUMP STATION	NO.	DESCRIPTION	DATE
29	C2.12B	KITSAP WAY AND OB-1 PUMP STATION			
30	C2.13	WESLON PLACE LOW PRESSURE SEWER			
31	C2.14	LOWER OYSTER BAY DRIVE LOW PRESSURE SEWER			
32	C2.15	TYPICAL SECTIONS 1			
33	C2.16	TYPICAL SECTIONS 2			
34	C2.17	TYPICAL SECTIONS 3			
35	C2.18	FORCE MAIN DETAILS			
36	C2.19	FORCE MAIN DETAILS			
37	C2.20	FORCE MAIN DETAILS			



VICINITY MAP  
NO SCALE

LOCATION MAP  
NO SCALE



REVIEWED BY: *William Davis*  
WILLIAM DAVIS, P.E. MANAGING ENGINEER-UTILITIES

APPROVED BY: *[Signature]*  
NID LIVER, P.E. CITY ENGINEER

<p><b>CITY OF BREMERTON</b> DEPARTMENT OF PUBLIC WORKS &amp; UTILITIES ENGINEERING DIVISION</p>		<p>ISSON BY: C. SIMONS WASH. P.E. # 45236</p> <p>DRAWN BY: M. BOGGS DATE: 02/2021</p>	<p>FIELD BOOK</p> <p>DRAWING NO. 611</p>	<p>DATE: 02/2021</p>
<p>PROJECT NO. 5827</p> <p>SHEET INDEX, VICINITY MAP, AND LOCATION MAP</p>		<p>CHECKED BY: J. WRIGHT WASH. P.E. # 48258</p> <p>DATE: 02/2021</p>	<p>DATE: 02/2021</p>	<p>DATE: 02/2021</p>

**ISSUED FOR BID**  
**03-11-2021**

