



PUBLIC HEALTH DIVISION
Drinking Water Services

Kate Brown, Governor

Oregon
Health
Authority

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Portland, OR 97232

971-673-0405

www.healthoregon.org/DWP

October 28, 2022

Matt Del Moro, PE
Project Engineer
HBH Consulting Engineers, Inc.
501 E First Street | Newberg, OR 97132
email: mdelmoro@hbh-consulting.com

**Re: Scenic View Drive Pump Station (PR#156-2022)
Rockaway Beach Water District (PWS ID# [00708](#))
Conditional Approval**

Dear Mr. Del Toro

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the *Scenic View Drive Pump Station* for the Rockaway Beach Water District (PWS ID# 00708). I received the pump station plans on October 11, 2022, and schematics clarifying the distribution system pressures in the vicinity of the pump station on October 14, 2022. Our office received the \$3,300 plan review fee payment on October 26, 2022.

The project includes a booster pump station that is supplied by a water main as shown in the project location map, schematic, and design criteria shown on the second page of this letter.

The plans are approved with the following conditions:

1. New facilities are disinfected and tested per the latest AWWA standards and [OAR 333-061-0050\(10\)](#).
2. As the pump station draws water from a water main, should suction pressures be less than 20 psi in the supplying water main upon construction, an explanation as to the severity of the low-pressure conditions and plans to mitigate low pressure in the main shall be submitted prior to Final Approval.

Until we receive verification that the conditions have been met and Final Approval has been issued, the pump station is not approved for use. Upon completion of the project, the engineer must verify in writing that construction was completed according to the submitted plans and conditions above by emailing the [Project Final Plan Approval Request](#) form and record drawings to me at evan.e.hofeld@dhsosha.state.or.us.

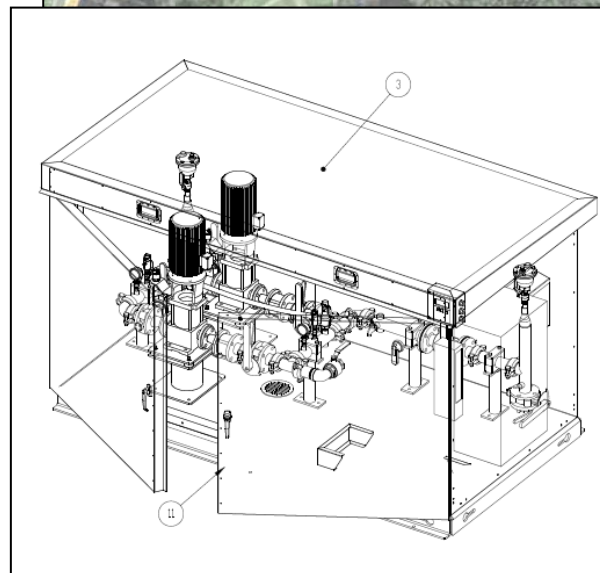
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Scenic View Drive Pump Station for Rockaway Beach Water District (00708)
Conditional Approval – PR #156-2022

Documentation demonstrating how the above conditions were met should reference Plan Review #156-2022. [Construction standards for pump stations under OAR 333-061-0050\(7\)](#) are provided below for reference:

(7) Pumping facilities:		
(a)	Wherever possible, booster pumps shall take suction from tanks and reservoirs to avoid the potential for negative pressures on the suction line which result when the pump suction is directly connected to a distribution main;	
(b)	Pumps which take suction from distribution mains for the purpose of serving areas of higher elevation shall be provided with a low pressure cut-off switch on the suction side set at no less than 20 psi;	
(c)	Suction lift at pumping stations shall be avoided as far as possible, and pumps shall be installed so that the suction line is under a positive head. If suction lift cannot be avoided, provision shall be made for priming with water which does not exceed MCLs;	
(d)	Pumping stations shall be located above maximum anticipated 100-year (1 percent) flood level, and the area around the pumping station shall be graded so that surface drainage is away from the station;	
(e)	Pumping stations shall be of durable construction so as to protect the equipment from the elements. The door to the pumping station shall be lockable, and	
OAR 333-061-0050 Page 251 of 340 Effective January 1, 2021		
facilities for heating and lighting shall be provided. The floor of the pumping station shall be sloped to provide adequate drainage.		



If you have any questions, please feel free to contact me at evan.e.hofeld@dhsosha.state.or.us or call 971-200-0288.

Sincerely,

Evan Hofeld, PE
Regional Engineer
Drinking Water Services

cc: Dan Emmerson, Rockaway Beach Water District
(publicworks@corb.us)

Julie Wray, OHA-DWS
(JULIE.L.WRAY@dhsosha.state.or.us)

Jaime Craig, Tillamook Co Environmental Health
(Jcraig@co.tillamook.or.us)

DESIGN SPECIFICATIONS			
Design Flow Rate:		50 GPM @ 60 PSI Boost	
Intake Pressure:		17 PSI	
Minimum Power:		240 Volt / 1 Phase	
Model #		V##V2V005X00050-060XXXB241DAS-2-SS	
ITEM NO.	DESCRIPTION	Size	QTY.
1	CONTROL PANEL	42"x30"x12"	1
2	DRAIN, FLOOR	6"	1
3	ENCLOSURE, MARINE GRADE ALUMINUM W/ INSULATION (2" WALLS/ 4" CEILING)	48"x96"x48"	1
4	FLOW METER, BADGER	2"	1
5	HEATER, UTILITY	500W	1
6	PRESSURE GAUGE, 160PSI, NSF	2-1/2"	1
7	PRESSURE GAUGE, 100PSI, NSF	2-1/2"	1
8	PRESSURE TRANSDUCER, -14.5_145PSI, NSF	1/4"	2
9	PUMP, VMS	2 HP	2
10	SAMPLE TAP	3/4"	1
11	SKID, BENT	48x96	1
12	TANK, PRESSURE	34Gal	1
13	VALVE, AIR RELIEF	3/4"	2
14	VALVE, AIR RELIEF, FV-4	1/2"	2
15	VALVE, BALL	2"	1
16	VALVE, BUTTERFLY, LUG, LEVER, 175 PSI	2"	6
17	VALVE, CHECK, SILENT	2"	2
18	VALVE, PRESSURE RELIEF, KUNKLE 919	3/4"	1