

**PORT OF BROOKINGS HARBOR**  
**Workshop Commission Meeting**  
**Wednesday, February 10, 2021 • 10:00am**  
**Teleconference / Meeting Room** *(limited capacity)*

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**Teleconference Call-In Number: 1 (253) 215-8782**

**Meeting ID: 869 5766 0648      Passcode: 02102021      (to mute/unmute: \* 6)**

*When calling in, please announce your arrival and state your name when you join the meeting.*

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**TENTATIVE AGENDA**

**1. CALL MEETING TO ORDER**

- Roll Call
- Modifications, Additions, and Changes to the Agenda
- Declaration of Potential Conflicts of Interest

**2. APPROVAL OF AGENDA**

**3. PUBLIC COMMENTS** – (Limited to a maximum of three minutes per person. Please email your comments to [danielle@portofbrookingsharbor.com](mailto:danielle@portofbrookingsharbor.com) prior to the meeting. \*\*\*Please wait to be called on before speaking\*\*\*)

**4. INFORMATION ITEMS**

	<b>PAGE</b>
A. DEQ Tier 1 Report.....	2
B. FEMA Projects Update / Planning & Permitting, Phase I.....	21
C. Fuel Dock Project.....	22
D. 2021 Events at the Port.....	32
E. Coronavirus Relief Fund.....	34
F. Righetti / Port Property Line Adjustment.....	36
G. Business Credit Card.....	38
H. Appoint Budget Officer FY 2021/22.....	52
I. Roy Davis Memorial.....	54
J. RV Park Project.....	55

**5. COMMISSIONER COMMENTS**

**6. NEXT REGULAR MEETING DATE** – Tuesday, February 16, 2021 at 6:00pm

**7. ADJOURNMENT**

A request for an interpreter for the hearing impaired, for those who want to participate but do not have access to a telephone, or for other accommodations for persons with disabilities should be made at least 48 hours in advance of the meeting to Port of Brookings Harbor Office at 541-469-2218.

# INFORMATION ITEM – A

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**DATE:** February 10, 2021  
**RE:** DEQ Tier 1 Report  
**TO:** Honorable Board President and Harbor District Board Members  
**ISSUED BY:** Gary Dehlinger, Port Manager

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## OVERVIEW

- Port staff completed the first round of stormwater testing on January 12, 2021. There are 6 locations throughout the port the samples are taken from. One from the boat yard, one from the fuel tank area, two from receiving docks and two from the gear storage area.
- Test results were better than the previous tests but continue to exceed state benchmarks.
- DEQ Tier 1 Report was completed and archived as required.
- Stormwater Pollution Control Plan (SWPCP) was updated with Port operation changes.
- Port also completed annual refresher training with employees this month.

## DOCUMENTS

- DEQ Tier 1 Report for January 12, 2021, 16 pages
- Summary of Changes to SWPCP, 2 pages



State of Oregon  
Department of  
Environmental  
Quality

**Department of Environmental Quality  
Industrial Stormwater Permits  
Tier I Report Form**

Instructions: Fill out this form if stormwater sampling results show an exceedance of any statewide benchmark(s), sector specific benchmark(s), or reference concentration(s) for impairment pollutants identified in the permit assignment letter. If you need additional space to answer the questions below, please attach additional sheet(s). The form must be filled out within 30 days of receiving analytical results. If no changes to the SWPCP are required or for benchmark exceedances, please retain this form onsite.

**Submit Tier I report no later than 60 calendar days after receiving monitoring results for a sample that exceeds an impairment reference concentration.**

Date Form Prepared: January 27, 2021

Facility Name: Port of Brookings Harbor

File Number #: 126385

County: Curry County

SIC Code(s): 4493, 2092

Prepared By: Gary Dehlinger

Phone Number: 541-469-2218

E-mail Address: portmanager@portofbrookingsharbor.com

Form is being filled out in response to:

- Statewide Benchmark Exceedance (list analyte(s)): Copper, TSS, Zinc, Aluminum and Iron
- Sector Specific Benchmark Exceedance (list analytes(s)):
- Impairment Pollutant Reference Concentration Exceedance (list analyte(s)):

Date Sampling Occurred: January 12, 2021

Date Lab Results Received: January 15, 2021

Describe the result(s) of the investigation of the elevated pollutant levels:

This is our first stormwater sample taken in this quarter and new year. Pollutant levels were lower than our previous tests but continued to be above the benchmarks. Lack of developed stormwater control infrastructure such as paved surfaces and proper stormwater drainage could be a major contributor.

Describe the corrective action(s) you will take to address the benchmark exceedence(s):

We are continuing to follow SWPCP of street cleaning, cleaning out catch basins and drainage areas. We are also continuing the maintenance of our sandbags, filter media bags and straw wattles at each of the catch basins to reduce TSS and metal contaminants. We have changed our filter media bags with more absorbent media bag that will absorb more metals. The Port has two FEMA disaster projects that will incorporate stormwater control in the areas of the failed tests. The projects are estimated to begin as early as 2022 and could run several years to complete. We are continuing to follow our Port engineer recommendations.

Date corrective action(s) completed or expected to be completed: 01/27/2021

Are SWPCP revisions necessary?  Yes  No

If "Yes", please describe revisions below:

Due to flooding/high tides the testing location for ML 302 was relocated for better testing access. Drawings were updated and SWPCP is updated with new drawings.

Please submit the revised pages of the SWPCP to DEQ or Agent, including a schedule for implementing the control measures.

# 2021 Stormwater Test Results

Contaminant	State Benchmark	Collection Location & Dates				
		January 12, 2021				
		103 - Boat Yard	103 - Boat Yard	103 - Boat Yard	103 - Boat Yard	103 - Avg
Copper	0.0200	0.4145				
Total Oil & Grease	10.0000	5.0000				
Lead	0.0150	0.0128				
Total Suspended Solids	100.0000	52.0000				
Zinc	0.0900	0.1821				
Aluminum	0.7500	0.7488				
Iron	1.0000	0.8086				
		Exceeds limits				

5

# Sample Information

Sample ID:	22100143	Collectors Name:	Travis Webster
Address of Source:	16330 Lower Harbor Road	Sample Point:	103 - Boat Yard
Project Name:	Port of Brookings Harbor	Source:	N/A
Received Date:	01/13/2021	Treatment System:	None

## Results of Chemical Analysis

Sample Notes:	103 - Boat Yard		Collection Date:		01/12/21 9:25 AM				
Contaminant	Method	LOQ	RESULTS	Units	EPA Limit	Date Analyzed	Analyst	ID	Data Flags
Copper	EPA 200.7	0.006	0.4145	mg/L		01/15/21 10:44 am	JNS	AA	
Total Oil & Grease	EPA 1664B	3.0	5.0	mg/L		01/14/21 8:29 am	JNS	AC	
Lead	SM 3113 B	0.01	0.0128	mg/L		01/15/21 8:01 am	JNS	AD	
Total Suspended Solids	EPA 160.2	1.0	52.00	mg/L		01/13/21 1:26 pm	JNS	AE	
Zinc	EPA 200.7	0.06	0.1821	mg/L		01/15/21 10:44 am	JNS	AF	
Aluminum	EPA 200.7	0.04	0.7488	mg/L		01/15/21 10:44 am	JNS	AG	
Iron	EPA 200.7	0.03	0.8086	mg/L		01/15/21 10:44 am	JNS	AH	

**DEFINITIONS AND DATA FLAGS**

- A Analysis is covered under ORELAP scope of Accreditation
- AA Analysis is covered under ISO scope of Accreditation
- C Sample did not meet acceptance criteria
- H Analysis performed outside method hold time
- ID Subsample identifier for each Sample number
- M Matrix Spike recovery is out of control limits due to matrix interference  
The LCS was in acceptance limits showing the analysis is in control and the data is acceptable

- E Estimated Value
- LOQ Reporting Limit
- N/A Not Applicable
- ND None Detected
- S Sample Outsourced

Results Color Key
White - No EPA Limit
Low Risk within EPA Limit
Medium Risk
High Risk Exceeds EPA Limit
Call the Lab to Discuss

## 2021 Stormwater Test Results

Contaminant	State Benchmark	Collection Location & Dates				
		January 12, 2021				
		202 - Hallmark	202 - Hallmark	202 - Hallmark	202 - Hallmark	202 - Avg
Copper	0.0200	-				
Total Oil & Grease	10.0000	-				
Lead	0.0150	-				
Total Suspended Solids	100.0000	153.0000				
Zinc	0.0900	-				
Aluminum	0.7500	0.2685				
Iron	1.0000	0.3586				
		Exceeds limits				

## Sample Information

Sample ID:	22100142	Collectors Name:	Travis Webster
Address of Source:	16330 Lower Harbor Road	Sample Point:	202- Hallmark
Project Name:	Port of Brookings Harbor	Source:	N/A
Received Date:	01/13/2021	Treatment System:	None

## Results of Chemical Analysis

Sample Notes:	202 - Hallmark		Collection Date:	01/12/21 9:15 AM					
Contaminant	Method	LOQ	RESULTS	Units	EPA Limit	Date Analyzed	Analyst	ID	Data Flags
Copper	EPA 200.7	0.006	ND	mg/L		01/15/21 10:41 am	JNS	AA	
Total Oil & Grease	EPA 1664B	3.0	ND	mg/L		01/14/21 8:29 am	JNS	AC	
Lead	SM 3113 B	0.01	ND	mg/L		01/15/21 8:01 am	JNS	AD	
Total Suspended Solids	EPA 160.2	1.0	<b>153.00</b>	mg/L		01/13/21 1:26 pm	JNS	AE	
Zinc	EPA 200.7	0.06	ND	mg/L		01/15/21 10:41 am	JNS	AF	
Aluminum	EPA 200.7	0.04	<b>0.2685</b>	mg/L		01/15/21 10:41 am	JNS	AG	
Iron	EPA 200.7	0.03	<b>0.3586</b>	mg/L		01/15/21 10:41 am	JNS	AH	

### DEFINITIONS AND DATA FLAGS

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>A Analysis is covered under ORELAP scope of Accreditation</li> <li>AA Analysis is covered under ISO scope of Accreditation</li> <li>C Sample did not meet acceptance criteria</li> <li>H Analysis performed outside method hold time</li> <li>ID Subsample identifier for each Sample number</li> <li>M Matrix Spike recovery is out of control limits due to matrix interference<br/>The LCS was in acceptance limits showing the analysis is in control and the data is acceptable</li> </ul> | <ul style="list-style-type: none"> <li>E Estimated Value</li> <li>LOQ Reporting Limit</li> <li>N/A Not Applicable</li> <li>ND None Detected</li> <li>S Sample Outsourced</li> </ul> |
|--|---|

Results Color Key
White - No EPA Limit
Low Risk within EPA Limit
Medium Risk
High Risk Exceeds EPA Limit
Call the Lab to Discuss



## 2021 Stormwater Test Results

Contaminant	State Benchmark	Collection Location & Dates				
		January 12, 2021				
		203 - Fuel Dock	203 - Fuel Dock	203 - Fuel Dock	203 - Fuel Dock	203 - Avg
Copper	0.0200	-				
Total Oil & Grease	10.0000	5.7000				
Lead	0.0150	-				
Total Suspended Solids	100.0000	26.0000				
Zinc	0.0900	-				
Aluminum	0.7500	0.5067				
Iron	1.0000	0.5538				
		Exceeds limits				

## Sample Information

Sample ID:	22100147	Collectors Name:	Travis Webster
Address of Source:	16330 Lower Harbor Road	Sample Point:	203 - Fuel Dock
Project Name:	Port of Brookings Harbor	Source:	N/A
Received Date:	01/13/2021	Treatment System:	None

## Results of Chemical Analysis

Sample Notes:	203 - Fuel Dock		Collection Date:	01/12/21 9:05 AM				
Contaminant	Method	LOQ	RESULTS	Units	EPA Limit	Date Analyzed	Analyst ID	Data Flags
Copper	EPA 200.7	0.006	ND	mg/L		01/15/21 10:55 am	JNS AA	
Total Oil & Grease	EPA 1664B	3.0	5.7	mg/L		01/14/21 8:29 am	JNS AC	
Lead	SM 3113 B	0.01	ND	mg/L		01/15/21 8:01 am	JNS AD	
Total Suspended Solids	EPA 160.2	1.0	26.00	mg/L		01/13/21 1:26 pm	JNS AE	
Zinc	EPA 200.7	0.06	ND	mg/L		01/15/21 10:55 am	JNS AF	
Aluminum	EPA 200.7	0.04	0.5067	mg/L		01/15/21 10:55 am	JNS AG	
Iron	EPA 200.7	0.03	0.5538	mg/L		01/15/21 10:55 am	JNS AH	

### DEFINITIONS AND DATA FLAGS

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>A Analysis is covered under ORELAP scope of Accreditation</li> <li>AA Analysis is covered under ISO scope of Accreditation</li> <li>C Sample did not meet acceptance criteria</li> <li>H Analysis performed outside method hold time</li> <li>ID Subsample identifier for each Sample number</li> <li>M Matrix Spike recovery is out of control limits due to matrix interference<br/>The LCS was in acceptance limits showing the analysis is in control and the data is acceptable</li> </ul> | <ul style="list-style-type: none"> <li>E Estimated Value</li> <li>LOQ Reporting Limit</li> <li>N/A Not Applicable</li> <li>ND None Detected</li> <li>S Sample Outsourced</li> </ul> |
|--|---|

Results Color Key
White - No EPA Limit
Low Risk within EPA Limit
Medium Risk
High Risk Exceeds EPA Limit
Call the Lab to Discuss

# 2021 Stormwater Test Results

Contaminant	State Benchmark	Collection Location & Dates				
		January 12, 2021				
		302 - Gear Yard	302 - Gear Yard	302 - Gear Yard	302 - Gear Yard	302 - Avg
Copper	0.0200	0.0062				
Total Oil & Grease	10.0000	6.3000				
Lead	0.0150	-				
Total Suspended Solids	100.0000	184.0000				
Zinc	0.0900	-				
Aluminum	0.7500	1.1079				
Iron	1.0000	1.3266				
		Exceeds limits				

# Sample Information

Sample ID:	22100144	Collectors Name:	Travis Webster
Address of Source:	16330 Lower Harbor Road	Sample Point:	302 - Gear Storage
Project Name:	Port of Brookings Harbor	Source:	N/A
Received Date:	01/13/2021	Treatment System:	None

## Results of Chemical Analysis

Sample Notes:	302 - Gear Storage		Collection Date:	01/12/21 8:52 AM					
Contaminant	Method	LOQ	RESULTS	Units	EPA Limit	Date Analyzed	Analyst	ID	Data Flags
Copper	EPA 200.7	0.006	0.0062	mg/L		01/15/21 10:46 am	JNS	AA	
Total Oil & Grease	EPA 1664B	3.0	6.3	mg/L		01/14/21 8:29 am	JNS	AC	
Lead	SM 3113 B	0.01	ND	mg/L		01/15/21 8:01 am	JNS	AD	
Total Suspended Solids	EPA 160.2	1.0	184.00	mg/L		01/13/21 1:26 pm	JNS	AE	
Zinc	EPA 200.7	0.06	ND	mg/L		01/15/21 10:46 am	JNS	AF	
Aluminum	EPA 200.7	0.04	1.1079	mg/L		01/15/21 10:46 am	JNS	AG	
Iron	EPA 200.7	0.03	1.3266	mg/L		01/15/21 10:46 am	JNS	AH	

**DEFINITIONS AND DATA FLAGS**

<p>A Analysis is covered under ORELAP scope of Accreditation</p> <p>AA Analysis is covered under ISO scope of Accreditation</p> <p>C Sample did not meet acceptance criteria</p> <p>H Analysis performed outside method hold time</p> <p>ID Subsample identifier for each Sample number</p> <p>M Matrix Spike recovery is out of control limits due to matrix interference The LCS was in acceptance limits showing the analysis is in control and the data is acceptable</p>	<p>E Estimated Value</p> <p>LOQ Reporting Limit</p> <p>N/A Not Applicable</p> <p>ND None Detected</p> <p>S Sample Outsourced</p>
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Results Color Key
White - No EPA Limit
Low Risk within EPA Limit
Medium Risk
High Risk Exceeds EPA Limit
Call the Lab to Discuss

## 2021 Stormwater Test Results

Contaminant	State Benchmark	Collection Location & Dates				
		January 12, 2021				
		304 - Receiving Dock	304 - Receiving Dock	304 - Receiving Dock	304 - Receiving Dock	304 - Avg
Copper	0.0200	-				
Total Oil & Grease	10.0000	-				
Lead	0.0150	-				
Total Suspended Solids	100.0000	76.0000				
Zinc	0.0900	-				
Aluminum	0.7500	0.6642				
Iron	1.0000	0.8480				
		Exceeds limits				

## Sample Information

Sample ID:	22100146	Collectors Name:	Travis Webster
Address of Source:	16330 Lower Harbor Road	Sample Point:	304 - Receiving Dock
Project Name:	Port of Brookings Harbor	Source:	N/A
Received Date:	01/13/2021	Treatment System:	None

## Results of Chemical Analysis

Sample Notes:	304 - Receiving Dock		Collection Date:		01/12/21 8:40 AM			
Contaminant	Method	LOQ	RESULTS	Units	EPA Limit	Date Analyzed	Analyst ID	Data Flags
Copper	EPA 200.7	0.006	ND	mg/L		01/15/21 10:52 am	JNS AA	
Total Oil & Grease	EPA 1664B	3.0	ND	mg/L		01/14/21 8:29 am	JNS AC	
Lead	SM 3113 B	0.01	ND	mg/L		01/15/21 8:01 am	JNS AD	
Total Suspended Solids	EPA 160.2	1.0	<b>76.00</b>	mg/L		01/13/21 1:26 pm	JNS AE	
Zinc	EPA 200.7	0.06	ND	mg/L		01/15/21 10:52 am	JNS AF	
Aluminum	EPA 200.7	0.04	<b>0.6642</b>	mg/L		01/15/21 10:52 am	JNS AG	
Iron	EPA 200.7	0.03	<b>0.8480</b>	mg/L		01/15/21 10:52 am	JNS AH	

### DEFINITIONS AND DATA FLAGS

A Analysis is covered under ORELAP scope of Accreditation AA Analysis is covered under ISO scope of Accreditation C Sample did not meet acceptance criteria H Analysis performed outside method hold time ID Subsample identifier for each Sample number M Matrix Spike recovery is out of control limits due to matrix interference The LCS was in acceptance limits showing the analysis is in control and the data is acceptable	E Estimated Value LOQ Reporting Limit N/A Not Applicable ND None Detected S Sample Outsourced
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Medium Risk
High Risk Exceeds EPA Limit
Call the Lab to Discuss

## 2021 Stormwater Test Results

Contaminant	State Benchmark	Collection Location & Dates				
		January 12, 2021				
		305 - Gear Yard	305 - Gear Yard	305 - Gear Yard	305 - Gear Yard	305 - Avg
Copper	0.0200	0.0090				
Total Oil & Grease	10.0000	3.0000				
Lead	0.0150	-				
Total Suspended Solids	100.0000	324.0000				
Zinc	0.0900	-				
Aluminum	0.7500	0.7680				
Iron	1.0000	1.0911				
		Exceeds limits				

## Sample Information

Sample ID:	22100145	Collectors Name:	Travis Webster
Address of Source:	16330 Lower Harbor Road	Sample Point:	305 - BC Gear Storage
Project Name:	Port of Brookings Harbor	Source:	N/A
Received Date:	01/13/2021	Treatment System:	None

## Results of Chemical Analysis

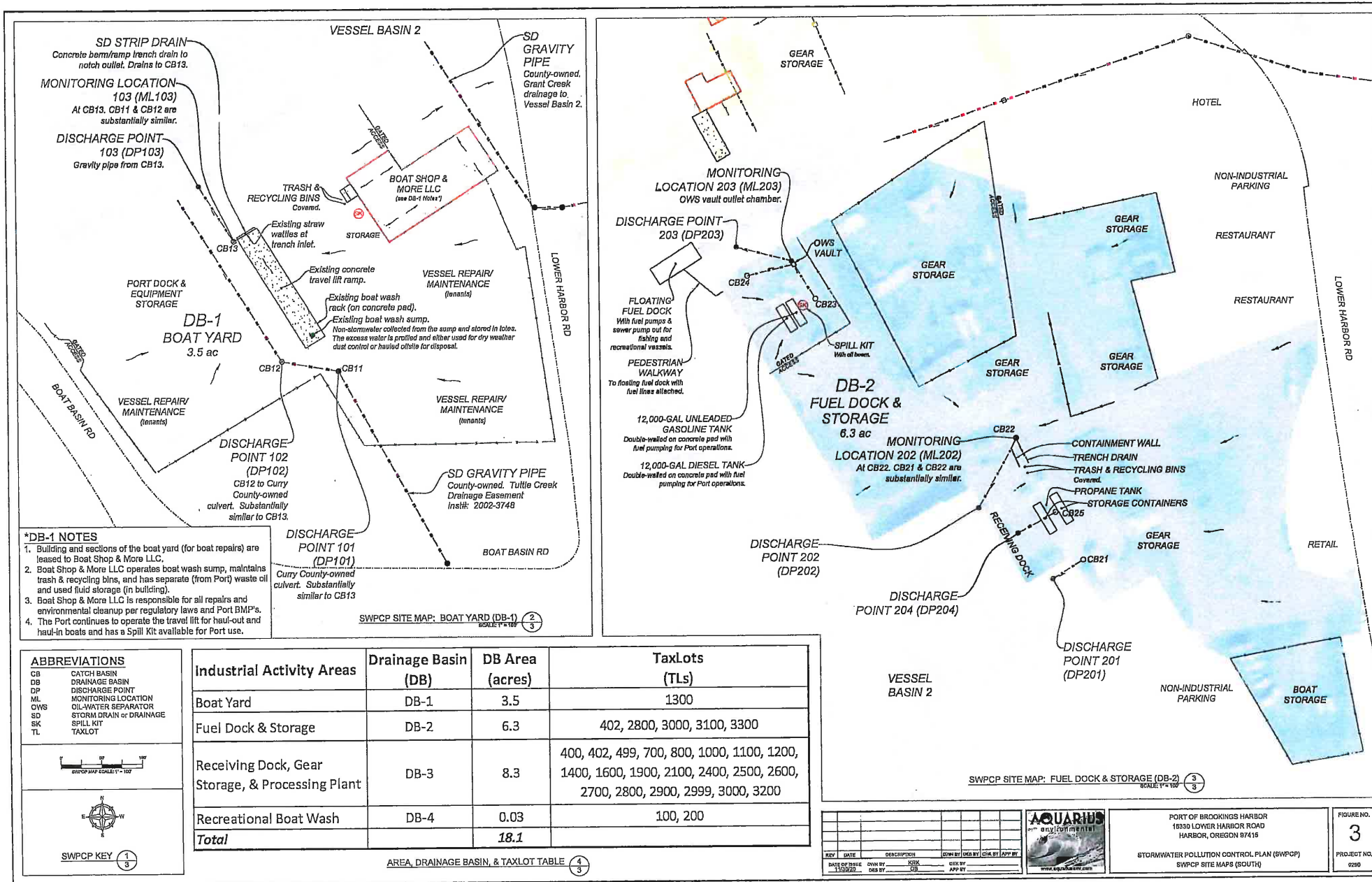
Sample Notes:	305 - BC Gear Storage		Collection Date:	01/12/21 8:30 AM				
Contaminant	Method	LOQ	RESULTS	Units	EPA Limit	Date Analyzed	Analyst	ID Data Flags
Copper	EPA 200.7	0.006	0.0090	mg/L		01/15/21 10:49 am	JNS	AA
Total Oil & Grease	EPA 1664B	3.0	3.0	mg/L		01/14/21 8:29 am	JNS	AC
Lead	SM 3113 B	0.01	ND	mg/L		01/15/21 8:01 am	JNS	AD
Total Suspended Solids	EPA 160.2	1.0	324.00	mg/L		01/13/21 1:26 pm	JNS	AE
Zinc	EPA 200.7	0.06	ND	mg/L		01/15/21 10:49 am	JNS	AF
Aluminum	EPA 200.7	0.04	0.7680	mg/L		01/15/21 10:49 am	JNS	AG
Iron	EPA 200.7	0.03	1.0911	mg/L		01/15/21 10:49 am	JNS	AH

### DEFINITIONS AND DATA FLAGS

A Analysis is covered under ORELAP scope of Accreditation	E Estimated Value
AA Analysis is covered under ISO scope of Accreditation	LOQ Reporting Limit
C Sample did not meet acceptance criteria	N/A Not Applicable
H Analysis performed outside method hold time	ND None Detected
ID Subsample identifier for each Sample number	S Sample Outsourced
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- \*DB-1 NOTES**
1. Building and sections of the boat yard (for boat repairs) are leased to Boat Shop & More LLC.
  2. Boat Shop & More LLC operates boat wash sump, maintains trash & recycling bins, and has separate (from Port) waste oil and used fluid storage (in building).
  3. Boat Shop & More LLC is responsible for all repairs and environmental cleanup per regulatory laws and Port BMP's.
  4. The Port continues to operate the travel lift for haul-out and haul-in boats and has a Spill Kit available for Port use.

**ABBREVIATIONS**

CB	CATCH BASIN
DB	DRAINAGE BASIN
DP	DISCHARGE POINT
ML	MONITORING LOCATION
OWS	OIL-WATER SEPARATOR
SD	STORM DRAIN or DRAINAGE
SK	SPILL KIT
TL	TAXLOT

SWPCP KEY 1/3

Industrial Activity Areas	Drainage Basin (DB)	DB Area (acres)	TaxLots (TLs)
Boat Yard	DB-1	3.5	1300
Fuel Dock & Storage	DB-2	6.3	402, 2800, 3000, 3100, 3300
Receiving Dock, Gear Storage, & Processing Plant	DB-3	8.3	400, 402, 499, 700, 800, 1000, 1100, 1200, 1400, 1600, 1900, 2100, 2400, 2500, 2600, 2700, 2800, 2900, 2999, 3000, 3200
Recreational Boat Wash	DB-4	0.03	100, 200
<b>Total</b>		<b>18.1</b>	

AREA, DRAINAGE BASIN, & TAXLOT TABLE 4/3

REV	DATE	DESCRIPTION	OWN BY	CHK BY	APP BY
1	11/02/22		OWN	CHK	APP



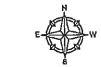
PORT OF BROOKINGS HARBOR  
18350 LOWER HARBOR ROAD  
HARBOR, OREGON 97415

STORMWATER POLLUTION CONTROL PLAN (SWPCP)  
SWPCP SITE MAPS (SOUTH)

FIGURE NO.  
**3**  
PROJECT NO.  
0250

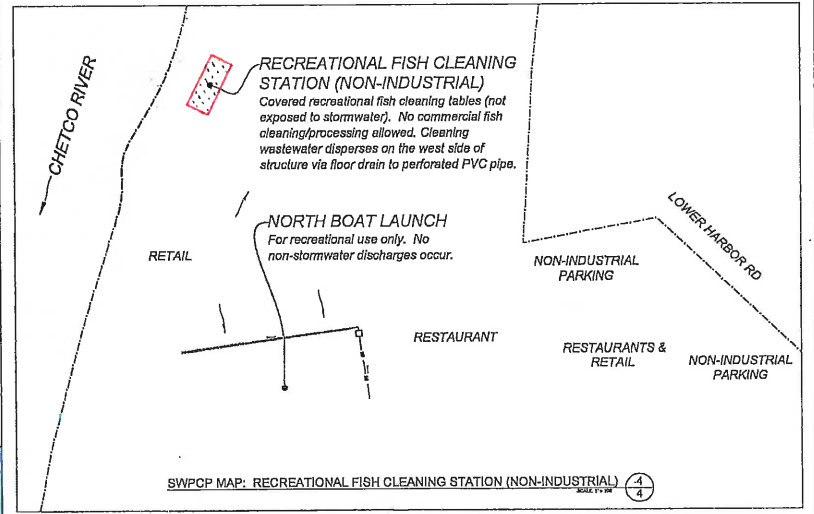
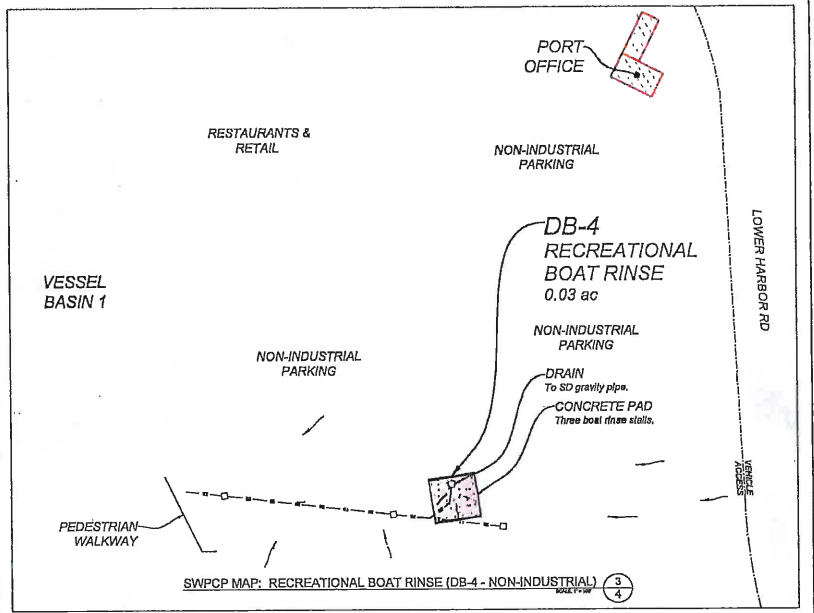
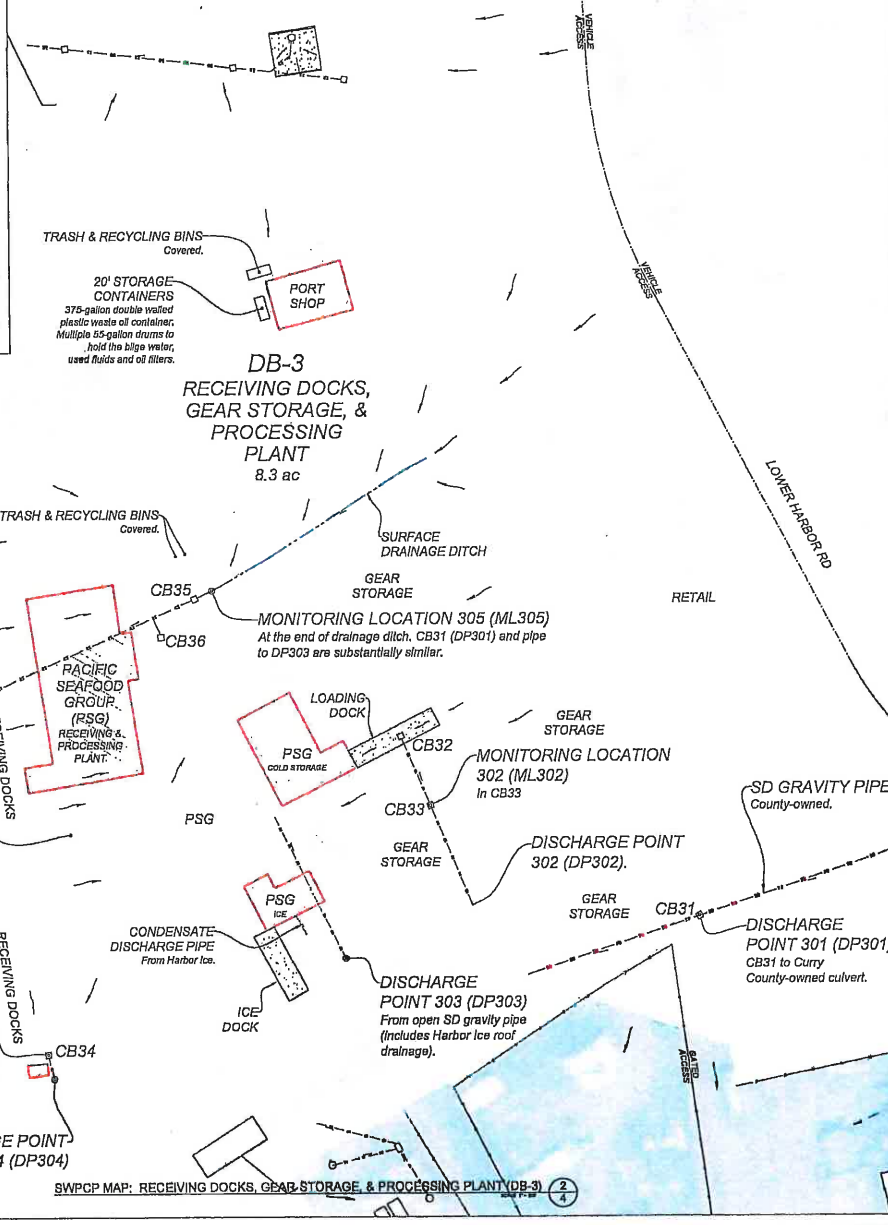
**ABBREVIATIONS**

- CB CATCH BASIN
- DB DRAINAGE BASIN
- DP DISCHARGE POINT
- ML MONITORING LOCATION
- OWS OIL-WATER SEPARATOR
- SD STORM DRAIN or DRAINAGE
- SK SPILL KIT
- TL TAXILOT



SWPCP KEY 1/4

VESSEL BASIN 1



REV	DATE	DESCRIPTION	OWN BY	DES BY	CHECK BY	APP BY



PORT OF BROOKINGS  
18350 LOWER HARBOR ROAD  
HARBOR, OREGON 97415

STORMWATER POLLUTION CONTROL PLAN (SWPCP)  
SWPCP SITE MAP (NORTH)

FIGURE NO. 4  
PROJECT NO. 0230

## Appendix K: SWPCP Revision Log

Section Revised	Date of Revision	Description of Revision	Revised by:
Table 1	01-28-2021	Removed telephone extension for Harbormaster Travis Webster	Gary D
2.2	01-28-2021	Removed word “washing” and replaced with “rinsing”	Gary D
2.2.1	01-28-2021	Port has leased the Boat Yard to a private company to perform repairs, maintenance and fabrication work. Deleted Port changing sign information (belongs at recreational rinse)	Gary D
2.2.1	01-28-2021	Changed warehouse building to Boat Shop & More lease.	Gary D
2.2.1	01-28-2021	Removed waste oil tanks from Boat Yard. Waste oil moved to new Port Shop location	
2.2.4.1	01-28-2021	Removed words “wash” and replaced with “rinse”	Gary D
2.2.4.1	01-28-2021	Remove recreational boat rinse plan to connect to sanitary sewer system.	Gary D
2.2.4.3	01-28-2021	Port received approval to discharge residuals to the Chetco River	Gary D
2.3.1	01-28-2021	Removed waste oil and fluid collection. Waste oil & fluid collection move to new Port Shop location.	Gary D
2.3.3	01-28-2021	Add waste oil & fluid collection storage.	Gary D
2.6	01-28-2021	Revised waste oil & fluid collection location	Gary D
3.2	01-28-2021	Site Maps Figures 2, 3 & 4 updated “recreational wash” to “recreational rinse”, waste oil & fluid collection location, Port Shop and Boat Shop & More locations, add CB25 & DP204 and relocate ML302 to CB33.	Gary D
4	01-28-2021	Removed word “wash” and replaced with “rinse”	Gary D
4.1	01-28-2021	Corrected size of culvert to 84”.	Gary D
4.2	01-28-2021	Found another catch basin and drain at Hallmark Dock, this catch basin and drain is now labeled as CB25 and Discharge Point 204 (DP204)	Gary D
4.3	01-28-2021	Removed word “wash” and replaced with “rinse”. Add waste oil & fluid collection.	Gary D
4.4	01-28-2021	Removed word “wash” and replaced with “rinse”. Removed plan going to sanitary system. New signs installed.	Gary D
Table 2	01-28-2021	DB-1 removed waste oil & fluid storage and placed in DB-3. Replace word “wash” with “rinse”.	Gary D

5.2.2	01-28-2021	Increase discharge points to 4 and discharge point (DP204)	Gary D
5.2.3.1	01-28-2021	Relocated Monitoring Location ML302 to catch basin CB33. Prior location on occasion is flooded and very difficult and unsafe to get samples.	Gary D
Table 4	01-28-2021	Add DP204	Gary D
5.7.1	01-28-2021	Correct spelling, changed DB-1 to DB-3 for inspect used oil, diesel, hydraulic, and brake fluid dump storage areas. Add Thermal Fluids for oil disposal.	Gary D
6	01-28-2021	Add Port Shop (DB-3) for used fluid dumping/storage. Update footnote(s) BMP Commissioner approval date	Gary D
6.1.2	01-28-2021	Updated Port Shop waste oil & fluids collection, storage and disposal information	Gary D
6.3.1	01-28-2021	Updated waste oil tank data and disposal information	Gary D
6.10	01-28-2021	Removed word “wash” and replaced with “rinse”. Discharges into Basin 1 not 2. Port received approval to discharge residuals to the Chetco River.	Gary D
Table 5	01-28-2021	Removed telephone extension for Harbormaster Travis Webster.	Gary D
7.1	01-28-2021	Add Thermal Fluids as another waste material collector/disposal company.	Gary D
Table 7	01-28-2021	Add Thermal Fluids as another waste material collector/disposal company and phone number.	Gary D
Appendix F	01-28-2021	Add DP204 to list for inspection	Gary D
Appendix G	01-28-2021	Updated POBH BMP October 20, 2020	Gary D

## INFORMATION ITEM – B

---

**DATE:** February 10, 2021  
**RE:** FEMA Projects Update / Planning & Permitting Phase I  
**TO:** Honorable Board President and Harbor District Board Members  
**ISSUED BY:** Gary Dehlinger, Port Manager

---

### OVERVIEW

- Travis and I met with Jack Akin to review the latest set of drawings for the Kite Field RV Park, Boat Yard and Gear Storage areas. Some adjustments were needed to be made in all areas. We hope to have draft set of drawings available for review later this month.

### DOCUMENTS

- None

## INFORMATION ITEM – C

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**DATE:** February 10, 2021  
**RE:** Fuel Dock Project  
**TO:** Honorable Board President and Harbor District Board Members  
**ISSUED BY:** Gary Dehlinger, Port Manager

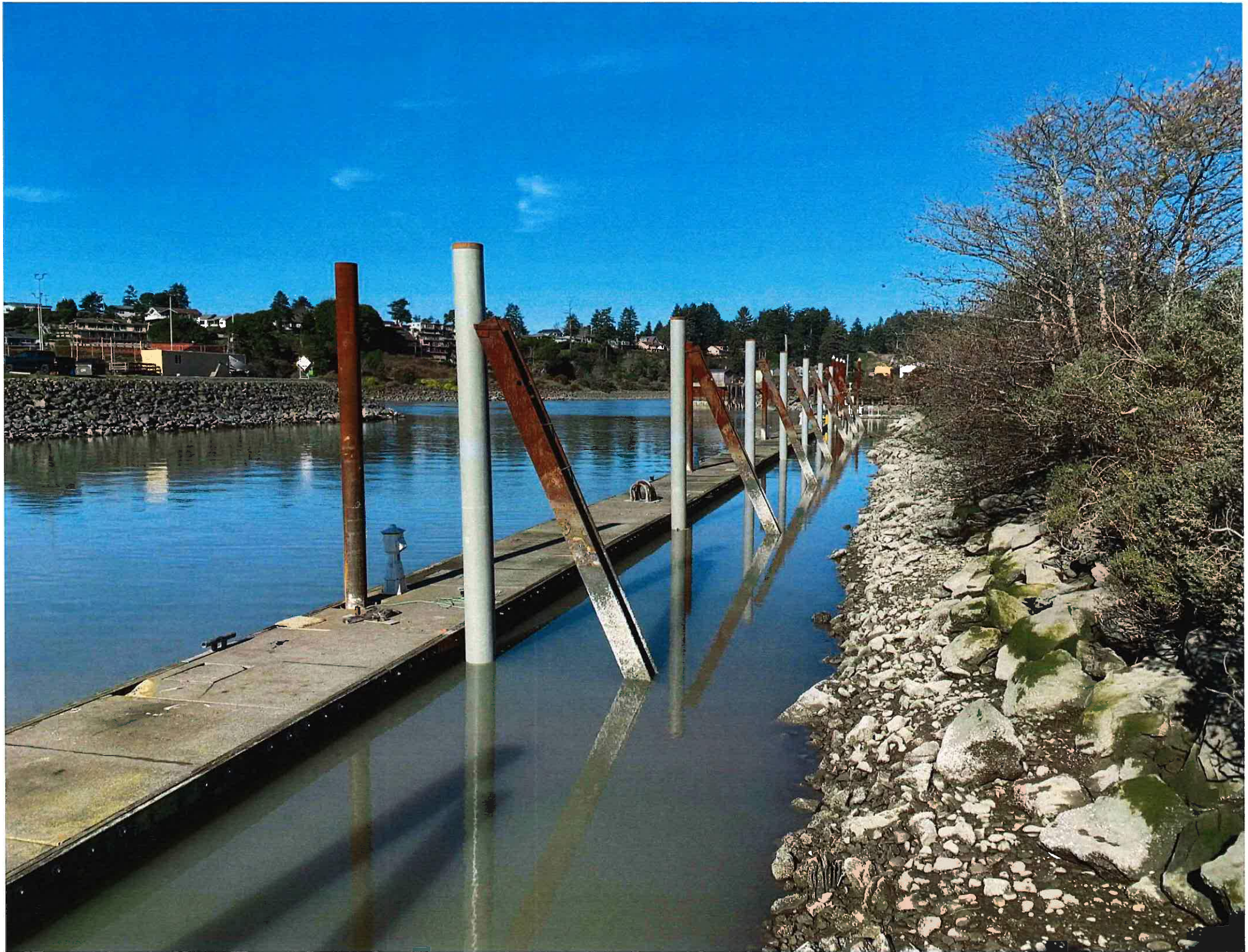
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### OVERVIEW

- Paving was completed around the aboveground fuel tanks.
- All new piles are installed. Reused four existing steel piles from transient dock to fill in broken fender piles at Hallmark and icehouse docks (2 at Hallmark and 2 at Icehouse). Insurance work at icehouse dock was completed. Handrail on the catwalk will need to be repaired.
- Ramp work and dock refurbishing (including new piling hoops) will continue through the end of the month.
- Fuel and utility lines will be reconnected to the fuel dock as soon as possible.

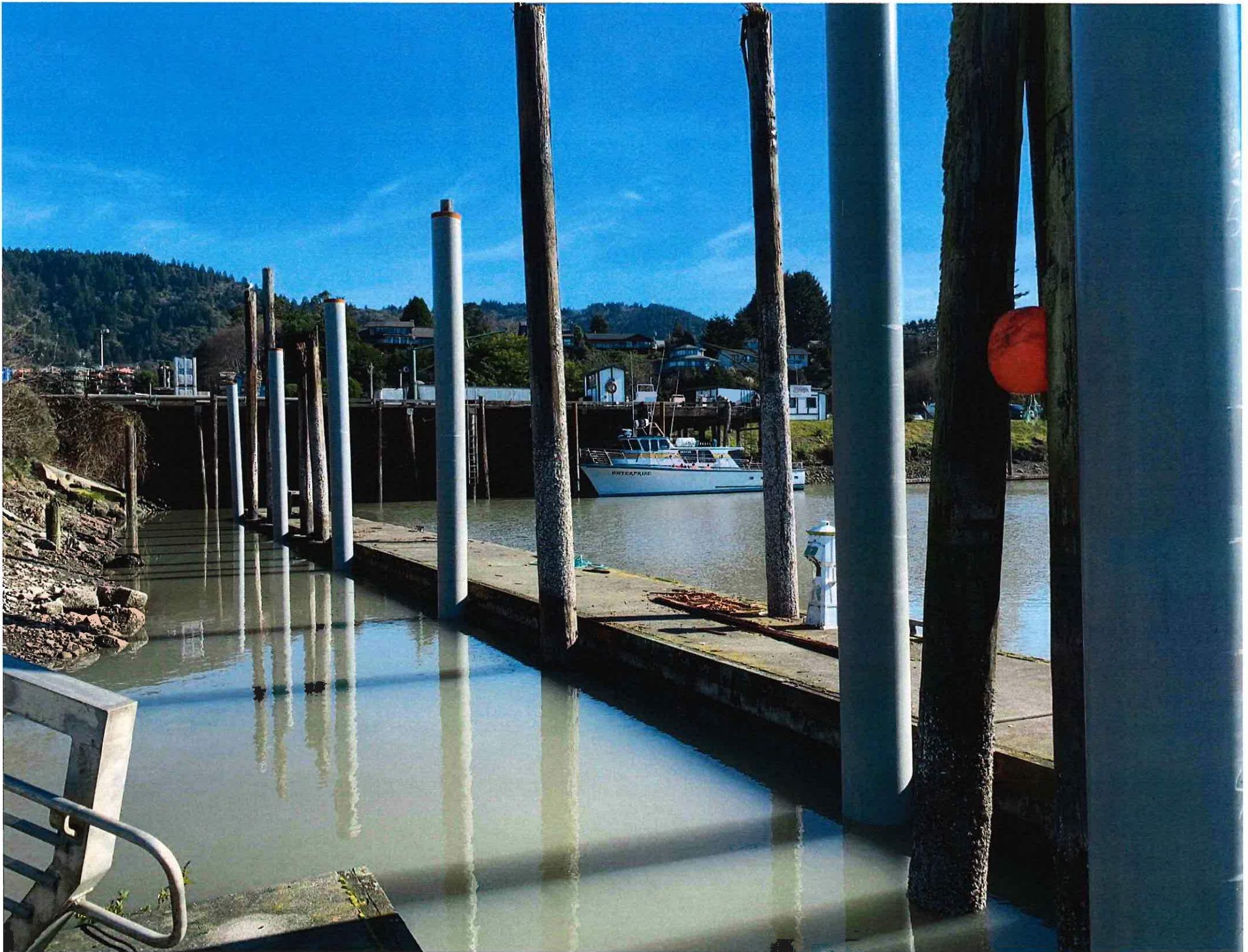
### DOCUMENTS

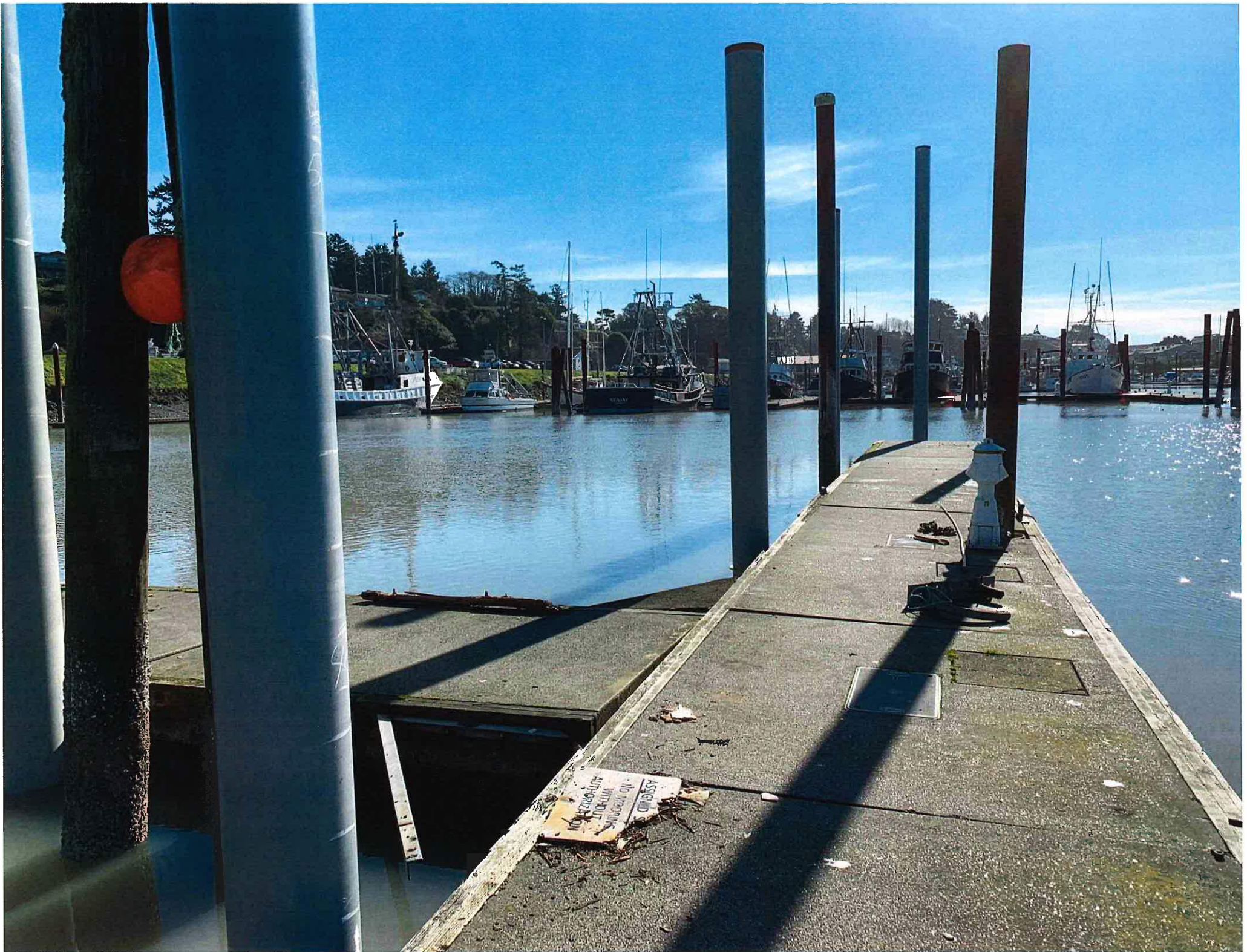
- Project photos, 9 pages











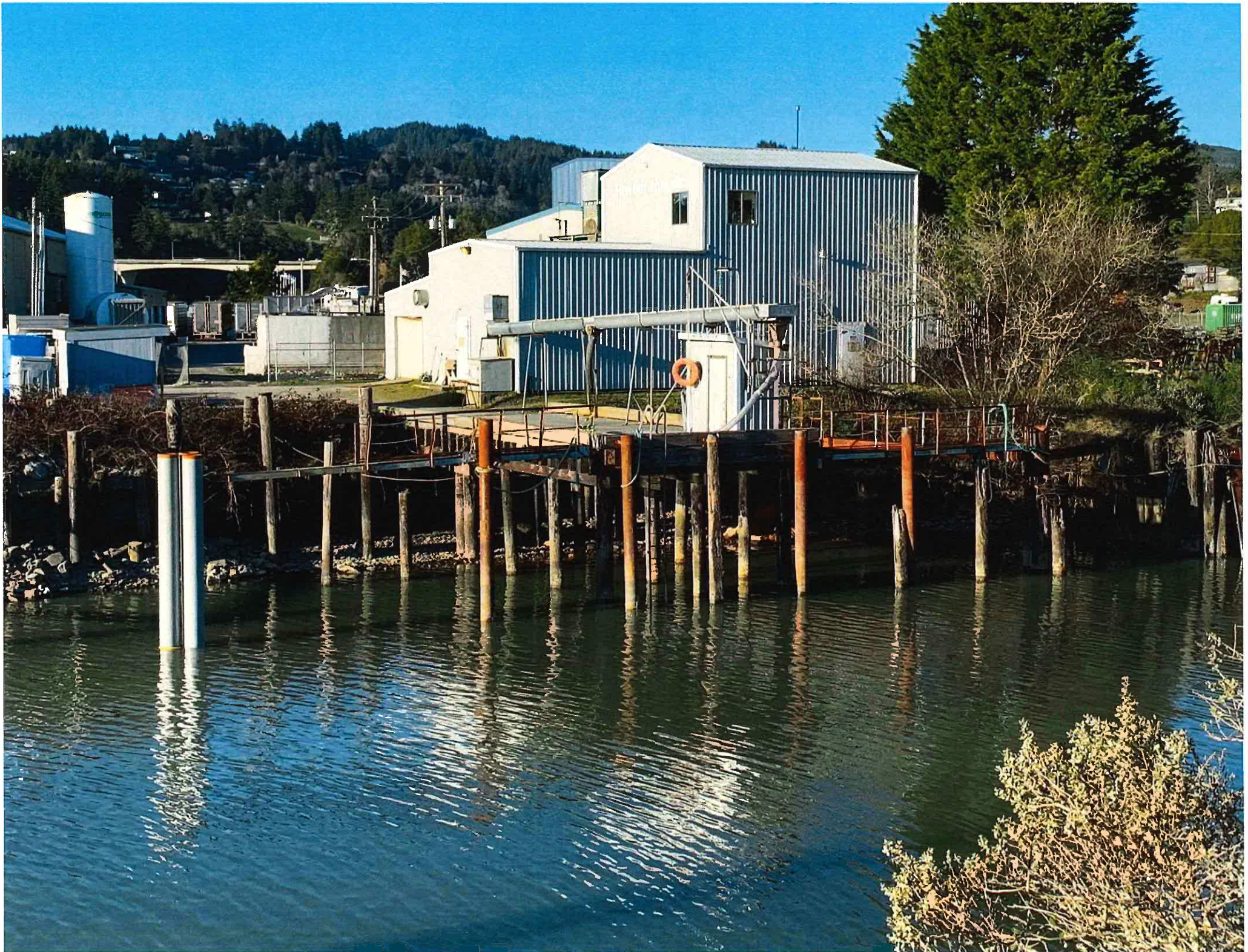




GASOLINE  
FLAMMABLE  
modern







## INFORMATION ITEM – D

---

**DATE:** February 10, 2021  
**RE:** 2021 Events at the Port  
**TO:** Honorable Board President and Harbor District Board Members  
**ISSUED BY:** Gary Dehlinger, Port Manager

---

### OVERVIEW

- Some event coordinators have asked if the Port will allow events this year.
- Curry County risk level is now at the lowest level.

### DOCUMENTS

- Oregon Risk Matrix, 1 page





# Sector Risk Level Guidance Chart

Activities	Lower Risk	Moderate Risk	High Risk	Extreme Risk
<b>Social and At-Home Gathering Size — Indoor</b>	<ul style="list-style-type: none"> <li>Maximum 10 people</li> <li>Recommended limit: 4 households</li> </ul>	<ul style="list-style-type: none"> <li>Maximum 8 people</li> <li>Recommended limit: 2 households</li> </ul>	<ul style="list-style-type: none"> <li>Maximum 6 people</li> <li>Recommended limit: 2 households</li> </ul>	<ul style="list-style-type: none"> <li>Maximum 6 people</li> <li>Recommended limit: 2 households</li> </ul>
<b>Social and At-Home Gathering Size — Outdoor</b>	Maximum 12 people	Maximum 10 people	Maximum 8 people	<ul style="list-style-type: none"> <li>Maximum 6 people</li> <li>Recommended limit: 2 households</li> </ul>
<b>Eating and Drinking Establishments</b>	<ul style="list-style-type: none"> <li>Indoor dining allowed</li> <li>Indoor capacity: not to exceed 50% maximum occupancy</li> <li>Outdoor dining allowed</li> <li>Outdoor capacity: 300 people maximum</li> <li>Indoor and outdoor seating: 8 people per table maximum</li> <li>12:00 a.m. closing time</li> </ul>	<ul style="list-style-type: none"> <li>Indoor dining allowed</li> <li>Indoor capacity: not to exceed 50% maximum occupancy or 100 people, whichever is smaller</li> <li>Indoor seating: 6 people per table maximum</li> <li>Outdoor dining allowed</li> <li>Outdoor capacity: 150 people maximum</li> <li>Outdoor seating: 8 people per table maximum</li> <li>11:00 p.m. closing time</li> </ul>	<ul style="list-style-type: none"> <li>Indoor dining allowed</li> <li>Takeout highly recommended</li> <li>Indoor capacity: not to exceed 25% maximum occupancy or 50 people, whichever is smaller</li> <li>Outdoor dining allowed</li> <li>Outdoor capacity: 75 people maximum</li> <li>Indoor and outdoor seating: 6 people per party and per table maximum, limit 2 households</li> <li>11:00 p.m. closing time</li> </ul>	<ul style="list-style-type: none"> <li>Indoor dining prohibited</li> <li>Takeout highly recommended</li> <li>Outdoor dining allowed</li> <li>Outdoor capacity: 50 people maximum</li> <li>Outdoor seating: 6 people per party and per table maximum, limit 2 households.</li> <li>11:00 p.m. closing time</li> </ul>
<b>Indoor Recreation and Fitness Establishments</b> (includes gyms, indoor K-12 Sports, indoor collegiate sports, fitness organizations, indoor recreational sports, indoor pools)	Capacity: Maximum 50% occupancy	Capacity: Maximum 50% occupancy or 100 people total, whichever is smaller	Capacity: Maximum 25% occupancy or 50 people total, whichever is smaller	Prohibited
<b>Indoor Entertainment Establishments</b> (includes aquariums, indoor theaters/arenas/concert halls, indoor gardens, indoor museums, indoor entertainment activities of any kind)	Capacity: Maximum 50% occupancy	Capacity: Maximum 50% occupancy or 100 people total, whichever is smaller	Capacity: Maximum 25% occupancy or 50 people total, whichever is smaller	Prohibited
<b>Retail Stores</b> (includes street fairs/markets, grocery stores, convenience stores and pharmacies)	<ul style="list-style-type: none"> <li>Capacity: Maximum 75% occupancy</li> <li>Curbside pick-up encouraged</li> </ul>	<ul style="list-style-type: none"> <li>Capacity: Maximum 75% occupancy</li> <li>Curbside pick-up encouraged</li> </ul>	<ul style="list-style-type: none"> <li>Capacity: Maximum 50% occupancy</li> <li>Curbside pick-up encouraged</li> </ul>	<ul style="list-style-type: none"> <li>Capacity: Maximum 50% occupancy</li> <li>Curbside pick-up encouraged</li> </ul>
<b>Indoor and Outdoor Shopping Centers/Malls</b>	<ul style="list-style-type: none"> <li>Capacity: Maximum 75% occupancy</li> <li>Curbside pick-up encouraged</li> </ul>	<ul style="list-style-type: none"> <li>Capacity: Maximum 75% occupancy</li> <li>Curbside pick-up encouraged</li> </ul>	<ul style="list-style-type: none"> <li>Capacity: Maximum 50% occupancy</li> <li>Curbside pick-up encouraged</li> </ul>	<ul style="list-style-type: none"> <li>Capacity: Maximum 50% occupancy</li> <li>Curbside pick-up encouraged</li> </ul>
<b>Faith Institutions*, Funeral Homes, Mortuaries, Cemeteries</b>	<ul style="list-style-type: none"> <li>Indoor Capacity: Maximum 75% occupancy</li> <li>Outdoor Capacity: 300 people maximum</li> </ul>	<ul style="list-style-type: none"> <li>Indoor Capacity: Maximum 50% occupancy or 150 people total, whichever is smaller</li> <li>Outdoor Capacity: 250 people maximum</li> </ul>	<ul style="list-style-type: none"> <li>Indoor Capacity: Maximum 25% occupancy or 150 people total, whichever is smaller</li> <li>Outdoor Capacity: 200 people maximum</li> </ul>	<ul style="list-style-type: none"> <li>Indoor Capacity: Maximum 25% occupancy or 100 people total, whichever is smaller</li> <li>Outdoor Capacity: 150 people maximum</li> <li>Recommended: limit services to one hour</li> </ul>
<b>Offices</b>	Limited office work available	Recommend remote work, if able	Recommend remote work, if able	<ul style="list-style-type: none"> <li>Require remote work, if able</li> <li>Close offices to the public, if possible</li> </ul>
<b>Outdoor Recreation and Fitness Establishments</b> (includes outdoor gyms, outdoor fitness organizations, outdoor K-12 Sports, outdoor collegiate sports, outdoor recreational sports, outdoor pools, outdoor parks and hiking trails**, outdoor campgrounds**)	Maximum 300 people	Maximum 150 people	Maximum 75 people	Maximum 50 people
<b>Outdoor Entertainment Establishments</b> (includes zoos, outdoor gardens, outdoor aquariums, outdoor theaters/stadiums)	Maximum 300 people	Maximum 150 people	Maximum 75 people	Maximum 50 people
<b>Personal Services</b>	Allowed	Allowed	Allowed	Allowed
<b>Long-Term Care</b>	Inside and outside visitation allowed	Inside and outside visitation allowed	Inside and outside visitation allowed	Outside visitation only

Effective Date: December 18, 2020

Authority: Executive Order No. 20-66, ORS 433.441, ORS 433.443, ORS 431A.010

Enforcement: To the extent this guidance requires compliance with certain provisions, it is enforceable as specified in Executive Order 20-66.

Definition:

- "Maximum Occupancy" means the maximum occupancy permitted by law, or if the maximum occupancy is unknown the capacity equivalent to:
  - For 75% capacity: 86 square feet of space per person.
  - For 50% capacity: 120 square feet of space per person.
  - For 25% capacity: 240 square feet of space per person.

NOTE: \*Capacity limits for faith institutions are recommended only.

\*\*Capacity limits do not apply to this activity.

Additional notes:

- All activities are subject to more detailed, sector-specific guidance.
- Subject to more detailed sector-specific guidance, all activities assume mask usage, minimum physical distancing, provisions for hand hygiene and enhanced cleaning protocols.
- Congregate homeless sheltering, Youth Programs, Childcare, K-12 Schools, Higher Education, Drive-In Operations and current Division 1 and Professional Athletics exemptions operate under sector specific guidance for all risk levels.
- Hookah bars and senior centers are **not allowed** to operate regardless of risk level.

Document accessibility: For individuals with disabilities or individuals who speak a language other than English, OHA can provide information in alternate formats such as translations, large print, or braille Contact the Health Information Center at 1-971-673-2411, 711 TTY or [COVID19.LanguageAccess@dhsosha.state.or.us](mailto:COVID19.LanguageAccess@dhsosha.state.or.us)

## INFORMATION ITEM – E

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**DATE:** February 10, 2021  
**RE:** Coronavirus Relief Fund  
**TO:** Honorable Board President and Harbor District Board Members  
**ISSUED BY:** Gary Dehlinger, Port Manager

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### OVERVIEW

- Port submitted the final reimbursement to CRF and was informed the funds were indeed exhausted.
- Port final payment request totaled \$17,200. \$7,592 were payroll costs.

### DOCUMENTS

- Email response from CRF, 1 page

**From:** Kim Boom <accounts@portofbrookingsharbor.com>  
**Sent:** Wednesday, January 20, 2021 1:02 PM  
**To:** Gary Dehlinger; Travis Webster  
**Subject:** Fwd: Your request has been returned for revision

☹ Bummer

**Best Regards,  
Kim**



*The opinions expressed are my own and not necessarily those of the Port of Brookings Harbor.*

----- Forwarded message -----

**From:** <[CoronavirusReliefFund@oregon.gov](mailto:CoronavirusReliefFund@oregon.gov)>  
**Date:** Wed, Jan 20, 2021 at 12:13 PM  
**Subject:** Your request has been returned for revision  
**To:** <[accounts@portofbrookingsharbor.com](mailto:accounts@portofbrookingsharbor.com)>

Hi Kim Boom,

Municipality: Port of Brookings Harbor  
DUNS: 052042553  
EIN: 936013807  
Request Title: Request #7  
Description:

Your reimbursement request has been returned for revision.  
Comments: We're sorry to report that the allocated funding for all Special Districts is fully expended. Although the agreements allowed for an "up to" amount, the funding was limited to a cap of \$23,948,307.61, and based on the availability of funds (per section 7.1.1 of the signed grant agreement). As a large number of requests came in through the portal during the December submission window, the funds were depleted and ran through its entirety. At this time, we are not accepting requests from Special Districts and do not anticipate additional funding from US Treasury. We are directing Special Districts to the FEMA site for other relief funding:  
<https://www.fema.gov/disasters/coronavirus/governments>.

Best regards,  
Coronavirus Relief Fund Team

## INFORMATION ITEM – F

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**DATE:** February 10, 2021  
**RE:** Righetti / Port Property Line Adjustment  
**TO:** Honorable Board President and Harbor District Board Members  
**ISSUED BY:** Gary Dehlinger, Port Manager

---

### OVERVIEW

- Port has completed and signed all documents and deeds needed for the property line adjustment.
- Port received County letter addressed to Hydes Sporthaven Resort, Inc.

### DOCUMENTS

- Curry County Assessor - Righetti PLA Letter dated 02-01-2021, 1 page

# CURRY COUNTY ASSESSOR/TAX COLLECTOR

94235 MOORE STREET, SUITE 221  
GOLD BEACH, OREGON 97444  
1-800-242-7601

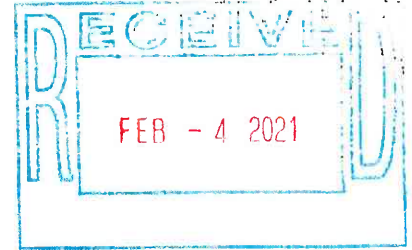
Lacey Young  
Cartographic Tech/Appraiser

MACK ARCH ON THE CURRY COAST

Phone (541) 247-3255

February 1, 2021

Hydes Sporthaven Resort, Inc  
Attn: Elaine N Righetti, President  
P O BOX 2910  
BROOKINGS, OR 97415



Re: Lot Line Adjustment Between 4113-05DB -016000 & 1700

Dear Mrs. Righetti:

Before this lot-line adjustment can be processed, a deed will have to be recorded in the Curry County Clerk's office conveying this property to you. In the document of transfer, the name of the grantor, grantee **must be** stated exactly the same as that of the recorded owner. Please check the last recorded deeds for the exact vesting of the properties involved before recording.

A fee of \$200.00 must also be paid to this office. This fee is to help cover the costs this office incurs when property divisions/adjustments occur.

The \$200.00 fee includes the charge to this office from Oregon Department of Revenue (DOR) Cartographic Unit for their time reviewing, processing and updating the map to show the new boundary changes. The time our office spends on gathering the information, such as the survey, recorded deeds and approval letter, prior to sending to DOR. The time processing and updating our system with the changes once they come back from DOR and the time it takes to inspect the property and updated the values on the tax rolls.

The assessor's office does not determine who must pay this fee; it is up to the individuals involved in the transaction to make that determination.

Please make checks payable to the Curry County Assessor's Office. Please mail checks to 94235 Moore Street, Suite 221 Gold Beach OR, 97444.

Your prompt attention to this matter is greatly appreciated.

Sincerely,

Lacey Young,  
Cartographic Tech/Appraiser

C.c.  
Port of Brookings Harbor  
P O Box 848  
Brookings, OR 97415

## INFORMATION ITEM – G

---

**DATE:** February 10, 2021  
**RE:** Business Credit Card  
**TO:** Honorable Board President and Harbor District Board Members  
**ISSUED BY:** Gary Dehlinger, Port Manager

---

### OVERVIEW

- Port currently has one credit card to make purchases online, pay recurring utilities and telecommunication bills and fuel purchases for port equipment. Somehow the credit card number was hacked or stolen. We found a pending charge that was not made by Port staff. The pending charge on the card was canceled and the bank issued a new credit card. This is the second time since late 2019 the port credit card number been hacked or stolen.
- Replacing credit card numbers to all the recurring bills is very time consuming.
- Port staff had an idea to acquire a business card for only online transactions and trip expenses. Multiple businesses cards could be used under this account to keep accurate expense per user. The business cards also have cash back features. Recommend having this card account limit set at \$10,000.
- The current credit card will only be used for reoccurring utility and telecommunication bills.
- We have applied for a Chevron fuel card for fueling port equipment only. This will help reduce credit card use and provide better control on fuel purchases. This card also provides fuel discount pricing. Total port equipment fuel purchase last year was \$4,200.
- Port staff is recommending Capital One business card.

### DOCUMENTS

- Various types of business credit cards, 13 pages

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Excellent Credit ▼

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### Ink Business Cash® Credit Card



★★★★☆ (841)

[Apply Now](#)

<b>PURCHASE INTRO APR</b> 0% for 12 months	<b>TRANSFER INTRO APR</b> N/A
<b>REGULAR APR</b> 13.24% - 19.24% (V)	<b>ANNUAL FEE</b> \$0
	<b>REWARDS RATE</b> 1 - 5% Cash Back
<b>MINIMUM CREDIT</b> ⓘ <b>Good Credit</b>	<b>REWARDS BONUS</b> \$750

[Show Details](#) ▼

### The Blue Business® Plus Credit Card from American Express



★★★★☆ (418)

[Apply Now](#)

[Rates & Fees](#) | [Terms Apply](#)

<b>PURCHASE INTRO APR</b> 0% for 12 months	<b>TRANSFER INTRO APR</b> N/A
<b>REGULAR APR</b>	<b>ANNUAL FEE</b>

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x 39

REWARDS RATE  
1 - 2 points / \$1

MINIMUM CREDIT ⓘ  
**Good Credit**

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American Express Blue Business Cash™ Card



★★★★☆ (15)

Apply Now

[Rates & Fees](#) | [Terms Apply](#)

<b>PURCHASE INTRO APR</b> 0% for 12 months	<b>TRANSFER INTRO APR</b> N/A
<b>REGULAR APR</b> 13.24% - 19.24% (V)	<b>ANNUAL FEE</b> \$0
	<b>REWARDS RATE</b> 1 - 2% Cash Back
<b>MINIMUM CREDIT ⓘ</b> <b>Good Credit</b>	

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Ink Business Unlimited® Credit Card



★★★★☆ (17)

Apply Now

<b>PURCHASE INTRO APR</b> 0% for 12 months	<b>TRANSFER INTRO APR</b> N/A
<b>REGULAR APR</b> 13.24% - 19.24% (V)	<b>ANNUAL FEE</b> \$0
	<b>REWARDS RATE</b> 1.5% Cash Back
	<b>REWARDS BONUS</b> \$750
<b>MINIMUM CREDIT ⓘ</b> <b>Good Credit</b>	



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× 40



Costco Anywhere Visa® Business Card by Citi



★★★★☆ (183)

Apply Now

<b>PURCHASE INTRO APR</b> N/A	<b>TRANSFER INTRO APR</b> N/A
<b>REGULAR APR</b> 15.24% (V)	<b>ANNUAL FEE</b> \$0
<b>MINIMUM CREDIT</b> ⓘ <b>Excellent Credit</b>	<b>REWARDS RATE</b> 1 - 4% Cash Back

Rewards Details

- Discover the only business credit card designed exclusively for Costco members
- 4% cash back on eligible gas for the first \$7,000 per year and then 1% thereafter
- 3% cash back on restaurants and eligible travel purchases
- 2% cash back on all other purchases from Costco and Costco.com
- 1% cash back on all other purchases
- Receive an annual credit card reward certificate, which is redeemable for cash or merchandise at U.S. Costco warehouses, including Puerto Rico

Additional Info

- \*No annual fee with your paid Costco membership and enjoy no foreign transaction fees on purchases
- Whether you're traveling for business or pleasure, enjoy no foreign transaction fees on purchases
- [See More Details & Reviews About The Costco Anywhere Visa® Business Card by Citi](#)

[Hide Details](#) ^

Citizens Bank Everyday Points® Business Mastercard®



★★★★☆ (139)

<b>PURCHASE INTRO APR</b> 0% for 6 months	<b>TRANSFER INTRO APR</b> N/A
<b>REGULAR APR</b>	<b>ANNUAL FEE</b>



COMPARE

RESET

41

2 points / \$1

REWARDS BONUS  
25,000 points

MINIMUM CREDIT ⓘ  
**Excellent Credit**

Show Details ▾

Capital One® Spark® Cash Select for Business



★★★★☆ (613)

PURCHASE INTRO APR  
0% for 9 months

TRANSFER INTRO APR  
N/A

REGULAR APR  
13.99% - 23.99% (V)

ANNUAL FEE  
\$0

REWARDS RATE  
1.5% Cash Back

REWARDS BONUS  
\$200

MINIMUM CREDIT ⓘ  
**Good Credit**

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## Questions & Answers

Comparing false can be tough. But you've got the knowledgeable WalletHub community on your side. We encourage everyone to share their knowledge while respecting our [content guidelines](#). Please keep in mind that editorial and user-generated content on this page is not reviewed or otherwise endorsed by any financial institution. In addition, it is not the financial institution's responsibility to ensure all posts and questions are answered.



COMPARE

RESET

42  
X

## Ink Business Unlimited® Credit Card



*Sponsored Card*

★★★★☆ 17 User Reviews

By: Chase

[Apply Now](#)

### EDITOR'S TAKE

#### Review: Ink Business Unlimited® Credit Card

The Ink Business Unlimited® Credit Card from Chase is an elite business credit card for everyday cash back rewards, offering 1.5% back on all purchases along with a \$0 annual fee. There's also a \$750 bonus for spending \$7,500 in the first 3 months after opening an account. If those rewards sound appealing and your credit score is at least 700, Chase Ink Business Unlimited might just be the right card for you. It's meant for small business owners with good or excellent credit, personally, and we recommend 700+ for decent approval odds.

Chase Ink Business Unlimited also has some early financing appeal, giving the introductory APR of 0% for 12 months on new purchases. However, Ink Business Unlimited's high regular APR means it's not the card for carrying a balance from month to month under normal circumstances. It's not the best card for international spending, either, with a foreign transaction fee of 3% of each transaction in U.S. dollars.

Below, you can learn more about what Chase's Unlimited Ink business credit card offers, how it compares to other top cards, and who should get it.

#### Ink Business Unlimited® Credit Card's Rewards

- Earn \$750 bonus cash back after you spend \$7,500 on purchases in the first 3 months from account opening
- Earn unlimited 1.5% cash back on every purchase made for your business

## Chase Ink Business Unlimited Review Highlights

- **\$750 Initial Bonus.** Spending \$7,500 within 3 months of opening an account gets you this bonus. The average cash bonus is [\\$205.48](#).
- **Unlimited Cash Back.** All purchases yield 1.5% cash back with the Chase Ink Business Unlimited Card. And true to its name, there's no limit to the amount you can earn.
- **No Annual Fee.** The Ink Unlimited Card's \$0 annual fee makes it [\\$18.3](#) per year cheaper than the average credit card. It also means you have the freedom not to use it if you don't want to. It could even be one business credit card among several in your wallet.
- **Free Employee Cards.** You can get an unlimited number of free cards for employees and set custom limits for each. All the rewards from employee cards go back to the business, too.
- **0% Introductory APR.** Offering 0% for 12 months on new purchases, Ink Business Unlimited is interest-free for slightly longer than average. Other cards offer 0% on purchases for about 10.5 months on average.
- **High Balance Transfer Fee.** Ink Business Unlimited is better for new purchases than balance transfers, thanks to this fee equal to 5% (min. \$5) of what you transfer.
- **High Regular APR.** Ink Unlimited's regular rate is 13.24% - 19.24% (V), depending on your overall creditworthiness. Even the low end – reserved for people with pristine credit, lots of income and little debt – is far from ideal. So it's best to pay your monthly bills in full when promotional financing terms are not in effect.
- **3% of each transaction in U.S. dollars Foreign Fee.** You may want to pair Ink Unlimited with a no foreign transaction fee business credit card for international travel as well as orders made online or by phone through foreign suppliers.
- **\$3K+ Credit Limit.** The Ink Unlimited Card's minimum credit limit is \$3,000 for all approved applicants, but even your starting limit could be a lot higher. Chase may need to contact you for more information if a limit of \$25,000 or higher is potentially in the cards.

- **Assorted Secondary Benefits.** In addition to \$0 liability for unauthorized transactions, Ink Unlimited provides perks such as complimentary rental car insurance and extended warranty protection. It has several travel-oriented benefits, too.
- **Approval Requirements Get Personal:** Like all other major business credit cards, Chase Ink Unlimited's underwriting focuses at least as much on the applicant's personal credit history and finances as his or her company's. We recommend that applicants have a personal credit score of 700 or higher – 750+ for the best approval odds.

## Ink Business Unlimited® Credit Card's Key APRs & Fees

Purchase Intro APR ⓘ	Transfer Intro APR ⓘ	Regular APR ⓘ
0% for 12 months	Not Offered	13.24% - 19.24% (V)

ANNUAL FEE ⓘ

\$0

BALANCE TRANSFER FEE ⓘ

Either \$5 or 5% of the amount of each transfer, whichever is greater.

## Ink Business Unlimited® Credit Card's Additional Info

MAX LATE FEE ⓘ	See Terms	<ul style="list-style-type: none"> <li>• 0% introductory APR for 12 months on purchases</li> </ul>
MAX OVERLIMIT FEE ⓘ	See Terms	
MAX PENALTY APR ⓘ	29.99% (V)	<ul style="list-style-type: none"> <li>• Employee cards at no additional cost</li> </ul>
GRACE PERIOD ⓘ	See Terms	<ul style="list-style-type: none"> <li>• No Annual Fee</li> </ul>
ONLINE RESPONSE ⓘ	No	<ul style="list-style-type: none"> <li>• Last updated on 1/20/2021</li> </ul>
CASH ADVANCE APR ⓘ	24.99% (V)	
CASH ADVANCE FEE ⓘ	Either \$15 or 5% of the amount of each transaction, whichever is greater.	
FOREIGN TRANSACTION FEE ⓘ	3% of each transaction in U.S. dollars	
SMART CHIP ⓘ	Yes, chip-and-signature	

# Capital One® Spark® Cash Select for Business



★★★★☆ 613 User Reviews

By: Capital One

Info about the Capital One® Spark® Cash Select for Business has been collected by WalletHub to help consumers better compare cards. The financial institution did not provide the details.

## EDITOR'S TAKE

### Review: Capital One® Spark® Cash Select for Business

Capital One® Spark® Cash Select for Business is a solid business rewards credit card with no annual fee. New cardholders who charge \$3,000 to Spark Cash Select within three months of opening an account get a \$200 bonus. All Spark Cash Select users also earn 1.5% Cash Back on all purchases, with no rewards limit. Small business owners with a credit score of 700 or higher should have good odds of approval.

Business credit cards in general aren't known for low interest rates, and the Spark Cash Select Card's regular APR isn't anything to write home about, either. But Spark Cash Select does have an interest-free promotion, giving 0% for 9 months on purchases to new cardholders. That could be a good source of savings as long as you pay off your balance before the regular rate takes effect.

Those are the most important factors to take into account if you're thinking about applying for the Capital One Spark Cash Select for Business credit card. Below, you can find additional details that should come in handy, too.

### Capital One® Spark® Cash Select for Business' Rewards

- Earn unlimited 1.5% cash back for your business on every purchase, everywhere, no limits or category restrictions
- Earn a one-time \$200 cash bonus once you spend \$3,000 on purchases within the first 3 months from account opening
- Free employee cards, which also earn unlimited 1.5% cash back on all purchases
- Rewards won't expire for the life of the account, and you can redeem your cash back for any amount

## Capital One Spark Cash Select Review Highlights:

- **Decent initial bonus for light-spenders.** The Capital One Spark Cash Select for Business Credit Card gives \$200 for spending \$3,000 within three months of opening an account. So if you plan on charging \$1,000 per month to your company credit card account, Spark Cash Select figures to be one of the most rewarding offers available to you. The market-average initial bonus is [\\$205.48](#).
- **Solid, but not fantastic, ongoing rewards.** Offering 1.5% cash back on all purchases, the Spark Cash Select for Business Card is a bit more rewarding than the average cash rewards card, which gives you [1.08% back](#) on all purchases. But there are dozens of cards (both business and personal) offering at least 1.5% cash back across the board. So this earning rate is far from special.
- **One of three Spark cards with no annual fee.** The Capital One Spark Cash Select, [Capital One® Spark® Miles Select for Business](#) and [Capital One® Spark® Classic for Business](#) cards do not charge annual fees. That makes them [\\$18.3 per year](#) cheaper than the average credit card.
- **0% intro rate, followed by a potentially high regular APR.** Spark Cash Select offers a 0% intro APR on new purchases for the first 9 months your account is open, which is shorter than the average 0% card's [10-month](#) intro period. Spark Cash Select's regular APR could also be well above the market average for good-credit credit cards. As a result, even if it weren't a bad idea to carry a balance from month to month with a business credit card (it is), Spark Cash Select might not be the best card to do it with.
- **Good credit or better required for approval.** You need at least good personal credit to qualify for the Capital One Spark Cash Select for Business Card – same as with the standard [Capital One® Spark® Cash for Business](#). So [check your credit score for free](#) on WalletHub and make sure you aren't leaving more valuable offers on the table before submitting an application.

The other important thing to point out about Capital One Spark Cash Select is that it has a lot of tough competition, from business credit cards with [rewards](#), [no annual fee](#) or both. So be sure to compare offers to ensure you get the best deal.

## Capital One® Spark® Cash Select for Business' Key APRs & Fees

Purchase Intro APR ⓘ	Transfer Intro APR ⓘ	Regular APR ⓘ
0% for 9 months	Not Offered	13.99% - 23.99% (V)

ANNUAL FEE ⓘ	\$0
BALANCE TRANSFER FEE ⓘ	None

## Capital One® Spark® Cash Select for Business' Additional Info

MAX LATE FEE ⓘ	\$39	<ul style="list-style-type: none"> <li>• Save on interest with 0% intro APR on purchases for 9 months; 13.99% - 23.99% variable APR after that</li> </ul>
MAX OVERLIMIT FEE ⓘ	None	
MAX PENALTY APR ⓘ	29.4% (V)	<ul style="list-style-type: none"> <li>• No annual fee</li> </ul>
GRACE PERIOD ⓘ	25 days	<ul style="list-style-type: none"> <li>• \$0 Fraud Liability if your card is lost or stolen</li> </ul>
ONLINE RESPONSE ⓘ	No	
CASH ADVANCE APR ⓘ	26.99% (V)	<ul style="list-style-type: none"> <li>• No foreign transaction fees</li> </ul>
CASH ADVANCE FEE ⓘ	3% (min \$10)	<ul style="list-style-type: none"> <li>• Last updated on 1/26/2021</li> </ul>
FOREIGN TRANSACTION FEE ⓘ	\$0	
SMART CHIP ⓘ	Yes, chip-and-signature	



## Ink Business Cash® Credit Card



★★★★☆ 841 User Reviews

By: Chase

[Apply Now](#)

*Sponsored Card*

### EDITOR'S TAKE

#### Review: Ink Business Cash® Credit Card

The Chase Ink Cash card is one of the most rewarding business credit cards on the market and a truly elite option for small business owners who want to earn cash back. The Chase Ink Cash card's eye-catching cash rewards start with a \$750 initial bonus for spending \$7,500 within 3 months of opening an account. That's 3.75 times more than the average cash rewards card offers. Chase Ink Cash also rewards you with up to 5% cash back on purchases. Ink Cash doesn't ask for too much in return, either, considering its \$0 annual fee.

The Chase Ink Cash Business Credit Card isn't for everyone, though. You need good personal credit to qualify. And exactly how rewarding it will be depends on how much you spend in its bonus rewards categories. You can find more specifics below.

#### Ink Business Cash® Credit Card's Rewards

- Earn \$750 bonus cash back after you spend \$7,500 on purchases in the first 3 months from account opening
- Earn 5% cash back on the first \$25,000 spent in combined purchases at office supply stores and on internet, cable and phone services each account anniversary year
- Earn 2% cash back on the first \$25,000 spent in combined purchases at gas stations and restaurants each account anniversary year
- Earn 1% cash back on all other card purchases with no limit to the amount you can earn

---

## Chase Ink Cash Review Highlights

### **\$750 initial bonus**

Spending at least \$7,500 within 3 months of opening a Chase Ink Cash account gets you a \$750 bonus. The average cash back card has a bonus of just \$205.48. So this alone makes Chase Ink Cash an elite cash back credit card.

### **5% cash back on office supplies and telecom**

Chase Ink is an excellent option for small businesses that spend a lot on office supplies as well as phone, internet and cable TV services. It offers 5% cash back – nearly five times the [market average](#) – on the first \$25,000 that you spend on such items each year.

### **2% cash back at gas stations and restaurants**

Ink Cash gives cardholders 2% cash back on the first \$25,000 they spend on gas and dining at restaurants, combined, each year. So if you're on the road or entertaining a lot for business, you can save as much as \$500 per year.

### **1% cash back on non-bonus spending**

The Chase Ink Cash Business Card's base rewards rate of 1% cash back is standard for a cash rewards card. But it's obviously not as spectacular as the 2% and 5% bonus rates. As a result, you may want to get a card with a higher everyday rewards rate for purchases that don't qualify for bonus earnings.

### **No annual fee**

The Chase Ink Cash Card's \$0 annual fee makes the Ink Cash Business Credit Card [\\$18.3 per year](#) cheaper than the average credit card, market-wide.

### **0% intro APR**

Chase Ink Cash offers 0% introductory APRs on new purchases. That's better than average, according to WalletHub's latest Credit Card Landscape Report. But more than 250 other cards offer 0% for at least as long.

### **5% balance transfer fee**

More than 200 cards have lower transfer fees than Ink's 5% (min \$5).

### **Cost-of-debt uncertainty**

Personal credit cards are much better for financing than business credit cards. With personal cards, issuers have to wait until a cardholder is at least 60 days delinquent on payment before increasing the interest rate on an existing balance. But they can do so with business credit cards whenever they want.

### **Bad for international spending**

The Ink Cash Card's 3% foreign transaction fee applies to the U.S. dollar amount of any purchase processed abroad. That includes purchases made while traveling internationally as well as online and phone purchases made through internationally based merchants when you're in the U.S.

## Ink Business Cash® Credit Card's Key APRs & Fees

Purchase Intro APR ⓘ	Transfer Intro APR ⓘ	Regular APR ⓘ
0% for 12 months	Not Offered	13.24% - 19.24% (V)

ANNUAL FEE ⓘ

\$0

BALANCE TRANSFER FEE ⓘ

Either \$5 or 5% of the amount of each transfer, whichever is greater.

## Ink Business Cash® Credit Card's Additional Info

MAX LATE FEE ⓘ

See Terms

- 0% introductory APR for 12 months on purchases

MAX OVERLIMIT FEE ⓘ

See Terms

- Employee cards at no additional cost

MAX PENALTY APR ⓘ

29.99% (V)

- No Annual Fee

GRACE PERIOD ⓘ

See Terms

ONLINE RESPONSE ⓘ

No

- Last updated on 1/27/2021

CASH ADVANCE APR ⓘ

24.99% (V)

CASH ADVANCE FEE ⓘ

Either \$15 or 5% of the amount of each transaction, whichever is greater.

FOREIGN TRANSACTION FEE ⓘ

3% of each transaction in U.S. dollars

SMART CHIP ⓘ

Yes, chip-and-signature

## INFORMATION ITEM – H

---

**DATE:** February 10, 2021  
**RE:** Appoint Budget Officer  
**TO:** Honorable Board President and Harbor District Board Members  
**ISSUED BY:** Gary Dehlinger, Port Manager

---

### OVERVIEW

- Last several years Kim Boom been appointed Budget Officer.
- Budget calendar attached for meeting dates, notifications and submitting as required.
- There are two (2) vacancies on the Budget Committee and one (1) vacancy on the Board. This leaves seven (7) filled positions on the Budget Committee. To conduct budget business the quorum needed is six (6).
- Port is currently advertising to fill the two (2) vacancies on the Budget Committee and have not received any applicants.
- Recommend appointing Kim Boom for Budget Officer for the fiscal year 2021-22 budget.

### DOCUMENTS

- FY 2020-21 Budget Calendar, 1 page

# PORT OF BROOKINGS HARBOR

## BUDGET CALENDAR 2021-22

- |   |                               |
|---|-------------------------------|
| 1. Appoint Budget Officer   | February 16 (Regular Meeting) |
| 2. Appoint Budget Committee (BC)                                      | March 16 (Regular Meeting)    |
| 3. Prepare Proposed Budget  | April 12                      |
| 4. Publish 1 <sup>st</sup> Notice of BC Meeting (Newspaper & Website) | April 23 (Friday)             |
| 5. Publish 2 <sup>nd</sup> Notice of BC Meeting (Newspaper & Website) | April 30 (Friday)             |
| 6. BC meeting & Subsequent Meetings if needed                         | May 11 (Tuesday 3:00pm)       |
| 7. Publish Notice of Budget Hearing (Newspaper & Website)             | June 4 (Friday)               |
| 8. Hold Budget Hearing  | June 15 (Regular Meeting)     |
| 9. Enact Resolutions to Adopt, etc.                                   | June 15 (Regular Meeting)     |
| 10. Submit Tax Certification Documents                                | by July 15                    |
| 11. Send Copy of all Budget Documents to County Clerk                 | by Sept 30                    |

# INFORMATION ITEM – I

---

**DATE:** February 10, 2021  
**RE:** Roy Davis Memorial  
**TO:** Honorable Board President and Harbor District Board Members  
**ISSUED BY:** Gary Dehlinger, Port Manager

---

## OVERVIEW

- There is interest to place a memorial for Roy Davis at the Port for his service on the Board of Commissioners.
- Some ideas on type of memorial:
  - Bench
  - Monument / Plaque
  - Plaque
- Location of the memorial:
  - Boardwalk
  - Retail Courtyard
  - Basin 1 or 2 areas
  - RV Park
  - Boat Launch
  - Port Office
- Port staff proposes making a memorial donation fund for the expenses.

## DOCUMENTS

- None

## INFORMATION ITEM – J

---

**DATE:** February 10, 2021  
**RE:** RV Park Project  
**TO:** Honorable Board President and Harbor District Board Members  
**ISSUED BY:** Gary Dehlinger, Port Manager

---

### OVERVIEW

- Crow/Clay & Associates revised drawings could be ready for bidding. There are two outstanding permitting issues. One with Harbor Sanitary on the sewer caps and two the electrical pedestals with County Building and Safety Division. Port received a favorable response from the County Building and Safety Division on the electrical pedestal submittal. The State electrical engineer said to go ahead and formally submit the Hypower Powerport RV pedestal.
- The Port responded to Harbor Sanitary District comments and awaiting their decision on screw type sewer caps.
- If the sewer caps continue to be a problem that cannot be resolved quickly, one idea is to delete the sewer connection on the new pull-thru sites until its resolved. Sites could still be used at a reduced rate.
- Another concern we have with the project is the budget and estimated construction cost. The electrical upgrades/changes and laundry room estimated costs are much higher than originally anticipated. Floodplain elevation impacts also complicated the project.
- Current remaining budget for this project is approximately \$618,000. Engineers basic bid estimate is \$724,920 (see attached for breakdown and alternate bid packages).
- It may be worth revisiting the scope of the project and reassess using the existing restroom to reduce construction costs and then upgrade more of the existing electrical system.
- The upcoming FEMA project will include renovating the Kite Field to expand the RV Park. This expansion could include a laundry building, dump station and perhaps longer stays.

### DOCUMENTS

- Resubmittal to Harbor Sanitary District on sewer caps, 2 pages
- Current Crow/Clay Drawings, 13 pages
- Crow/Clay Construction Estimates, 1 page



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January 26, 2021

Harbor Sanitary District  
P.O. Box 2457  
Brookings, OR 97415

Attention: Kelly Beebe, District Manager

RE: Response to Civil West letter dated January 5, 2021

Below are the Port's responses to information requested by Civil West.

**Item 1a**

Enviro Design, the manufacture of the spring-loaded sewer cap, does not have submergence test data as requested.

**Item 1b**

Port of Brookings Harbor does not have the capability to provide a test of this magnitude.

**Item 1c**

The existing threaded sewer caps are designed and proven to be watertight.

The spring-loaded sewer cap was suggested by Harbor Sanitary District commissioner as a solution to keep lids closed for incidental water intrusions. The Port felt the spring-loaded cap would have been accepted by Harbor Sanitary District without providing additional hydrostatic field testing. If the spring-loaded caps are not acceptable, then Port proposes to install threaded sewer caps as an alternative proven watertight style.

**Best Management Practices Update**

As an additional measure, the Port will also update its Best Management Practices to include additional steps to ensure sewer caps are secured. Proposed BMP update would include:

- Customer information packet to include a reminder to secure sewer caps on departure.
- After guest checkout, Port staff will inspect the site to ensure the sewer caps are secured.
- Prior to forecasted storm events at "King Tides" all sewer caps will be inspected to ensure caps are secured.

**Concrete Block Seawall**

It should also be noted that the Port of Brookings Harbor installed 1,100 lineal feet of two-foot-high concrete block seawall along the ocean front to divert ocean waves and debris from directly impacting the RV Park sites as well as Harbor Sanitary District infrastructure. This new block seawall recently encountered ocean waves and performed extraordinarily well by preventing seawater from reaching HSD manways and RV sites.

The steps outlined above (watertight sewer caps, BMP updates, and seawall) show that the Port is taking various measures to prevent sea water intrusion into the HSD system. Thank you for your consideration.

Sincerely,

Gary Dehlinger  
Port Manager  
Port of Brookings Harbor



**Civil West**

Engineering Services, Inc.



South Coast Office  
486 E Street  
Coos Bay, OR 97420

Willamette Valley Office  
213 Water Ave. NW, Suite 100  
Albany, OR 97321

Rogue Valley Office  
830 O'Hare Parkway, Suite 102  
Medford, OR 97501

North Coast Office  
609 SW Hurbert Street  
Newport, OR 97365

January 5, 2021

Harbor Sanitary District  
16408 Lower Harbor Rd  
PO Box 2457  
Brookings, OR 97415

RE: Port of Brookings Harbor RV Park Bathrooms

Kelly,

Civil West Engineering has reviewed the revised plans submitted by Crow Clay and Associates, Inc. with the Restrooms being moved outside the floodplain.

The plans have corrected the identified issues in the previous review. With the additional data flood data I am uncertain of the performance of the spring loaded sewer caps.

1. The updated plans do not show all flood elevation info as requested, but the survey does provide floor elevations of the improvements. Based upon verbal data that the floodplain elevation is 25 feet, the spring loaded sewer caps may be submerged by 4-5 feet in the new RV spot locations during a flood event. The caps do not appear to have any data supporting they are watertight for anymore than incidental water exposure. To approve their use in the new RV locations, (as opposed to areas of the Park that are outside the flood zone such as along Boat Basin Road) I need one of the following:
  - a. Test data from Enviro showing their caps are water tight at up to 5 feet of submergence
  - b. Actual field test witness by Harbor Sanitary District that the spring loaded caps can withstand up to 5 feet of submergence, such as a 2 hour hydrostatic test such as those performed on manholes or wetwells described in DEQ specifications.
  - c. An alternate style of cap that has been proven watertight.

Sincerely,  
Civil West Engineering Services, Inc.

A handwritten signature in black ink that reads 'Jerek B. Hodge'.

Jerek B. Hodge, P.E.

**DRAWING SHEET INDEX**

**ARCHITECTURAL**

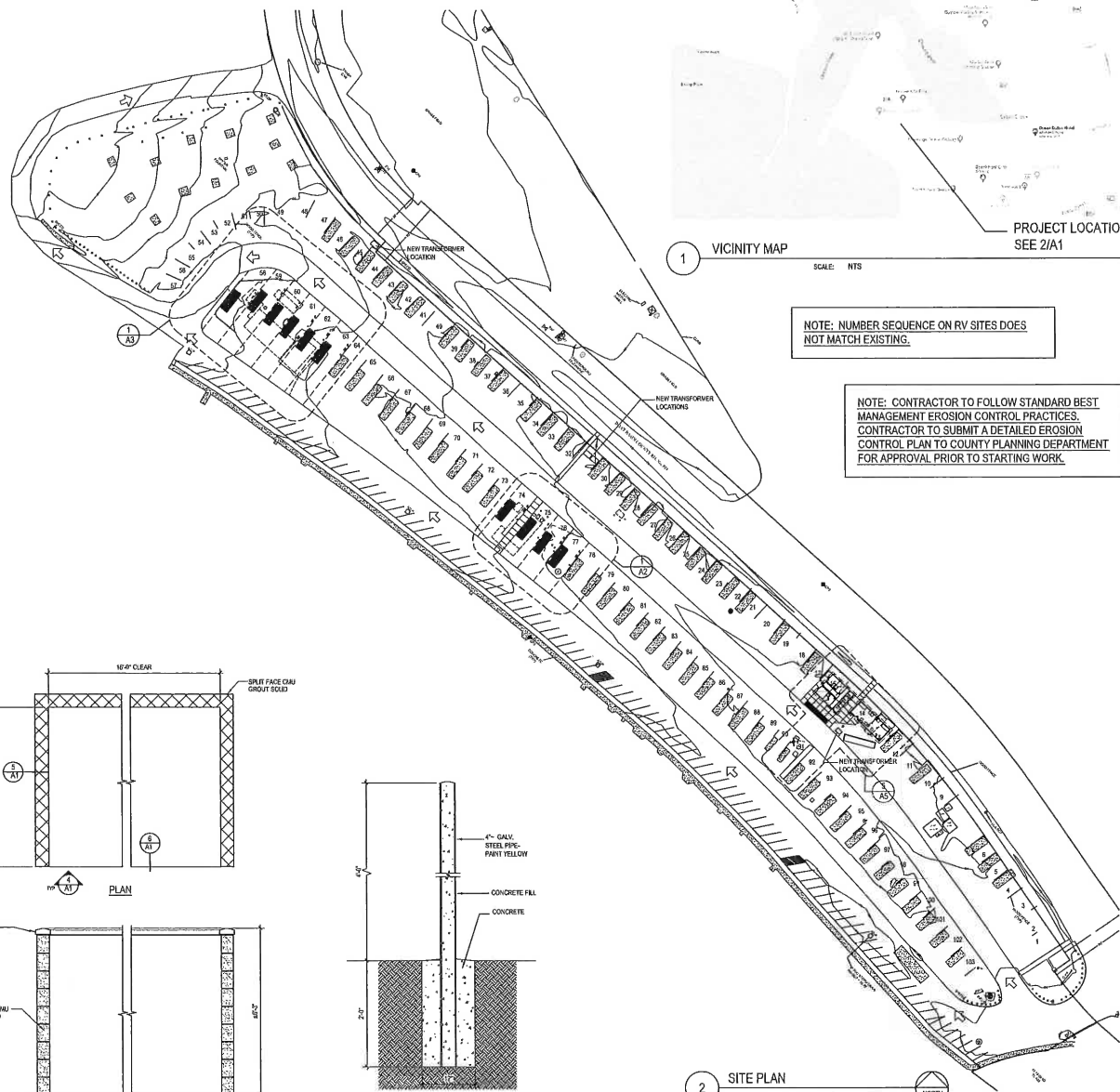
- A1 SITE PLAN
- A2 ENLARGED SITE PLAN
- A3 ENLARGED SITE PLAN
- A4 SHOWER BUILDING
- A5 LAUNDRY BUILDING & ENLARGED SITE PLAN
- TOPOGRAPHICAL SURVEY SHEET 1
- TOPOGRAPHICAL SURVEY SHEET 2

**PLUMBING**

- P-1.0 DEMOLITION PLAN
- P-1.1 PLUMBING SITE PLAN
- P-1.2 SHOWER/LAUNDRY BUILDING PLAN

**ELECTRICAL**

- E-1.0 DEMOLITION PLAN
- E-1.1 ELECTRICAL SITE PLAN
- E-1.2 LAUNDRY/PANEL SCHEDULES



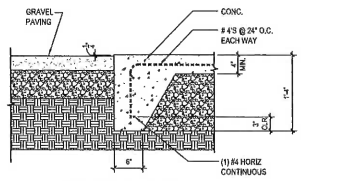
1 VICINITY MAP SCALE: NTS

NOTE: NUMBER SEQUENCE ON RV SITES DOES NOT MATCH EXISTING.

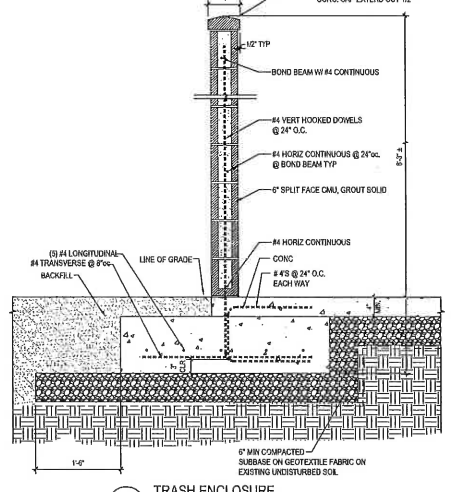
NOTE: CONTRACTOR TO FOLLOW STANDARD BEST MANAGEMENT EROSION CONTROL PRACTICES. CONTRACTOR TO SUBMIT A DETAILED EROSION CONTROL PLAN TO COUNTY PLANNING DEPARTMENT FOR APPROVAL PRIOR TO STARTING WORK.

2 SITE PLAN SCALE: NTS

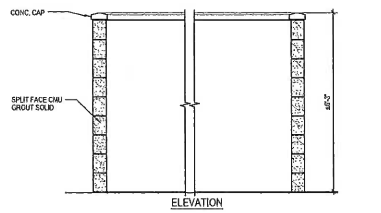
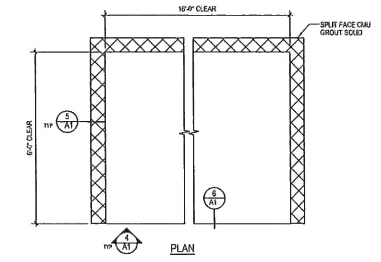
7 SIDEWALK EDGE SCALE: 1" = 1'-0"



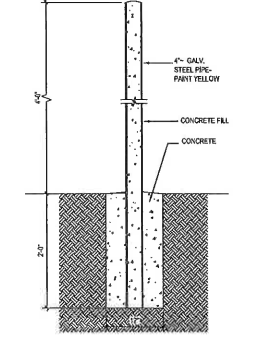
6 TRASH ENCLOSURE ALTERNATE BID #3 SCALE: 1" = 1'-0"



5 TRASH ENCLOSURE ALTERNATE BID #3 SCALE: 1" = 1'-0"



4 TRASH ENCLOSURE PLAN & ELEVATION ALTERNATE BID #3 SCALE: 1/2" = 1'-0"



3 BOLLARD @RELOCATED ELEC TRANSFORMERS SCALE: 1" = 1'-0"

151 WEST CENTRAL AVENUE  
SUITE 200  
BROOKINGS, OREGON 97415  
TEL: 541.968.8388  
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**CROW/CLAY & ASSOCIATES INC.**  
ARCHITECTURE AND INTERIORS  
LAND USE AND INTERIORS



REGISTERED ARCHITECT  
MICHAEL R. CROW  
LOOSEBARK, OREGON  
STATE OF OREGON

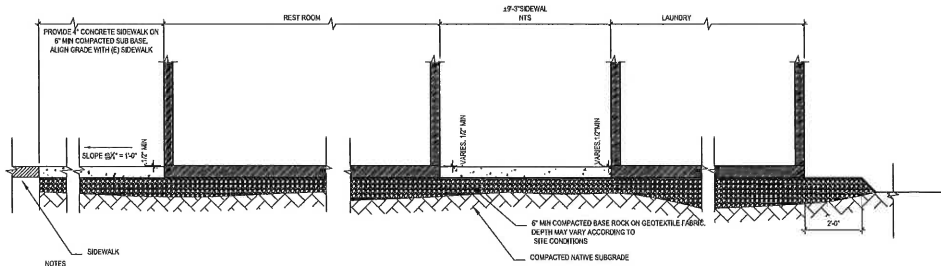
**PORT OF BROOKINGS HARBOR**  
RV PARK -  
BOAT BASIN ROAD  
BROOKINGS, OREGON 97415

REVISIONS	Date:

DECEMBER 2020  
PROJECT NO: 19005

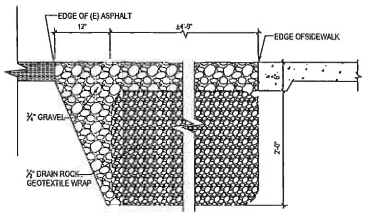
**A1**

58

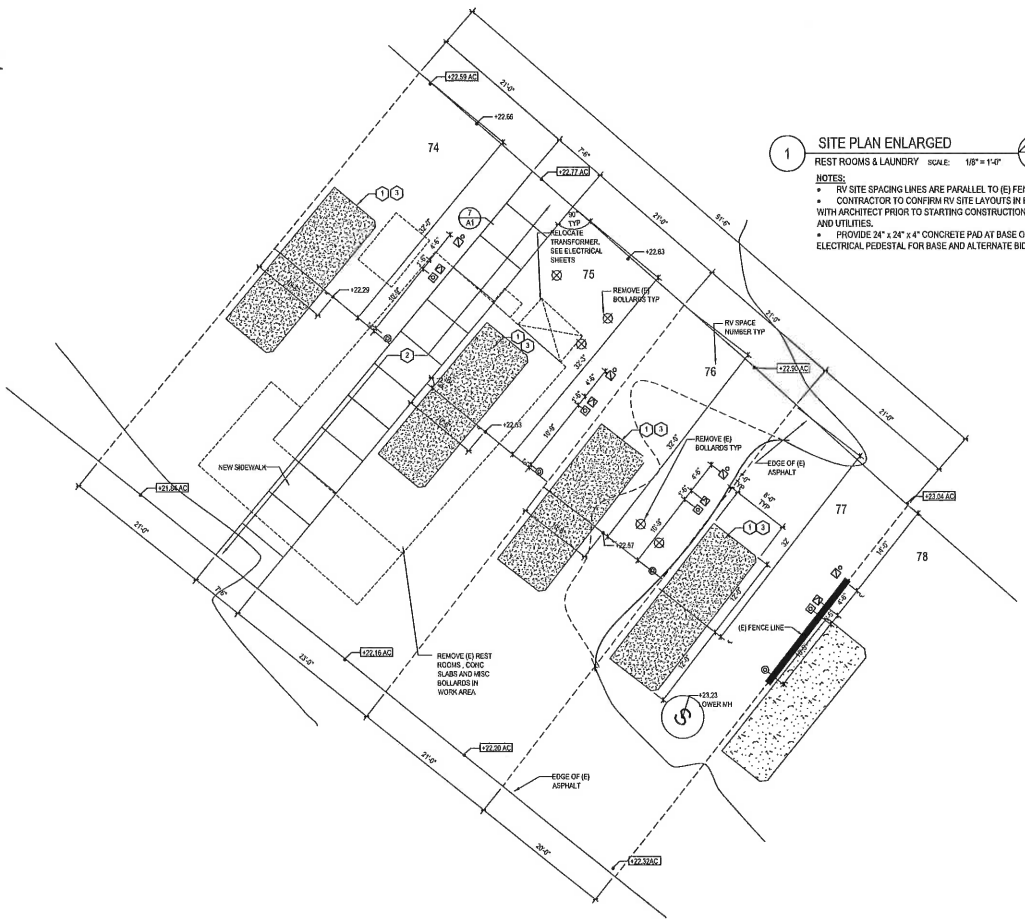


- NOTES
1. REFER TO BUILDING HANDING SHEET FOR BASE REQUIREMENTS DURING BUILDING PLACEMENT. NOTIFY ARCHITECT PRIOR TO CONSTRUCTION IF THERE ARE ANY DISCREPANCIES.
  2. GEOTECHNICAL ENGINEER TO REVIEW SUBGRADE CONDITIONS PRIOR TO BASE INSTALLATION.

2 SECTION @ GRADE  
REST ROOMS/LAUNDRY SCALE: 1/2" = 1'-0"



3 FOOT RINSE DRYWELL  
SCALE: 1" = 1'-0"



1 SITE PLAN ENLARGED  
REST ROOMS & LAUNDRY SCALE: 1/8" = 1'-0"

- NOTES:
- RV SITE SPACING LINES ARE PARALLEL TO (E) FENCE LINE
  - CONTRACTOR TO CONFIRM RV SITE LAYOUTS IN FIELD WITH ARCHITECT PRIOR TO STARTING CONSTRUCTION OF SLABS AND UTILITIES.
  - PROVIDE 24" x 24" x 4" CONCRETE PAD AT BASE OF EACH ELECTRICAL PEDESTAL FOR BASE AND ALTERNATE BIDS AS SELECTED.

- GENERAL NOTES**
- CONSTRUCT (4) NEW RV SITES, 74, 75, 76, & 77 AS INDICATED
  - FILL DEMOLITION AREAS WITH GRAVEL PAVEMENT FLUSH TO INDICATED & EXISTING ADJACENT GRADES. NOTE: CONSTANT SLOPE FROM HIGH END TO LOW END REQUIRED.
  - ASBESTOS ABATEMENT HAS BEEN COMPLETED ON (E) STRUCTURES TO BE REMOVED. SURVEY & ABATEMENT INFORMATION AND DISPOSAL CERTIFICATES ARE AVAILABLE UPON REQUEST.
- KEYNOTES**
- 1 6" THICK CONC. SLAB W/MAS @12" oc EACH WAY ON GEOTEXTILE FABRIC ON 6" COMPACTED BASE COURSE. INSTALL FLUSH TO GRADE
  - 2 4" THICK CONC. SIDEWALK W/ THICKENED EDGES ON 6" COMPACTED BASE COURSE
  - 3 NEW SLAB TO BE FLUSH W/ EXISTING GRADE & NEW GRADES

**LEGEND**

- ⊕ CABLE POWER PANEL
- ⊕ WATER SERVICE WATER SHUT OFF VALVE
- ⊕ SANITARY SEWER CONNECTION
- INDICATES BUILDINGS & CONC. TO BE REMOVED
- ▭ NEW SIDEWALK
- 12.15 NEW ELEVATION
- - - 12.15 EXISTING ELEVATION
- - - NEW CONTOUR
- - - ALTERED CONTOUR

151 WEST CENTRAL AVENUE  
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DOONAN, OREGON 97424  
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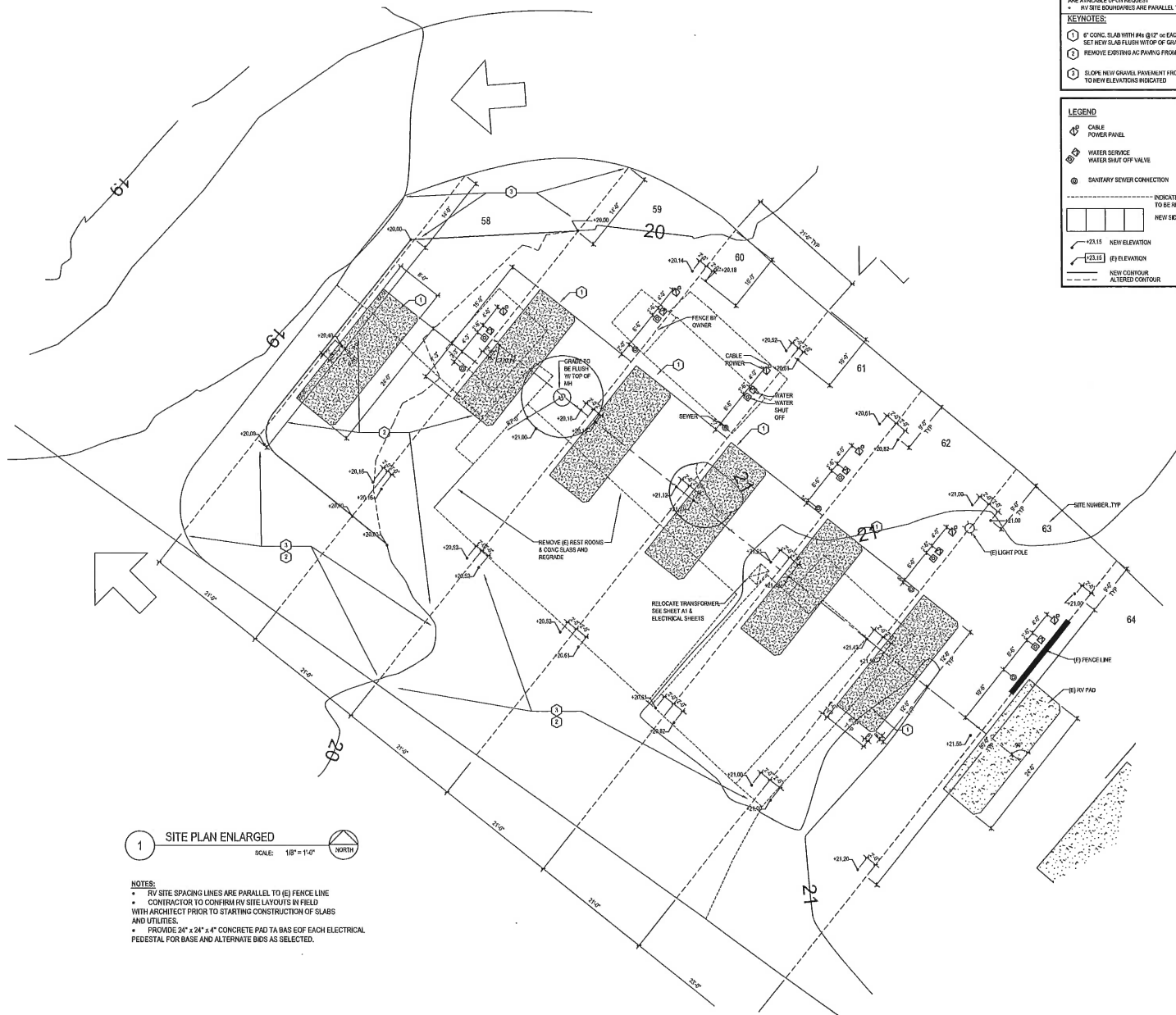
**PORT OF BROOKINGS HARBOR**  
RV PARK -  
BOAT BASIN ROAD  
BROOKINGS, OREGON 97415

NO.	DATE	REVISIONS

DECEMBER 2020  
PROJECT NO: 19005

A2

59



1 SITE PLAN ENLARGED  
SCALE: 1/8" = 1'-0" NORTH

**NOTES:**

- RV SITE SPACING LINES ARE PARALLEL TO (E) FENCE LINE
- CONTRACTOR TO CONFIRM RV SITE LAYOUTS IN FIELD WITH ARCHITECT PRIOR TO STARTING CONSTRUCTION OF SLABS AND UTILITIES.
- PROVIDE 34" x 24" x 4" CONCRETE PAD TA BAS EOP EACH ELECTRICAL PEDESTAL FOR BASE AND ALTERNATE BIDS AS SELECTED.

**GENERAL NOTE:**

- ASBESTOS ABATEMENT HAS BEEN COMPLETED ON (E) STRUCTURES TO BE REMOVED. SURVEY & ABATEMENT INFORMATION & DISPOSAL CERTIFICATES ARE AVAILABLE UPON REQUEST
- RV SITE BOUNDARIES ARE PARALLEL TO (E) FENCE LINE

**KEYNOTES:**

- 6" CONC. SLAB WITH #4 @ 12" ON EACH WAY. SET NEW SLAB FLUSH W/ TOP OF GRAVEL PAVEMENT
- REMOVE EXISTING AC PAVING FROM ROAD EDGE AT SITES SA, SA, TA, TA, SA, SA & SA
- SLOPE NEW GRAVEL PAVEMENT FROM EDGE OF ROAD AC PAVING TO NEW ELEVATIONS INDICATED

**LEGEND**

- CABLE POWER PANEL
- WATER SERVICE WATER SHUT OFF VALVE
- SANITARY SEWER CONNECTION
- INDICATES BUILDINGS & CONG. TO BE REMOVED
- NEW SIDEWALK
- +23.15 NEW ELEVATION
- (E) ELEVATION
- NEW CONTOUR ALTERED CONTOUR

125 WEST CENTRAL AVENUE  
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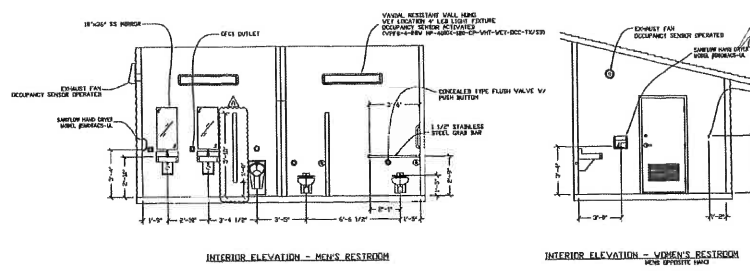
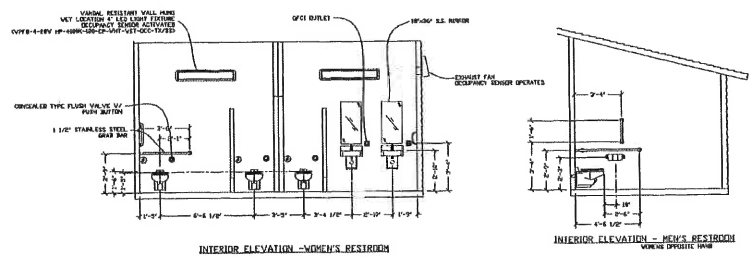
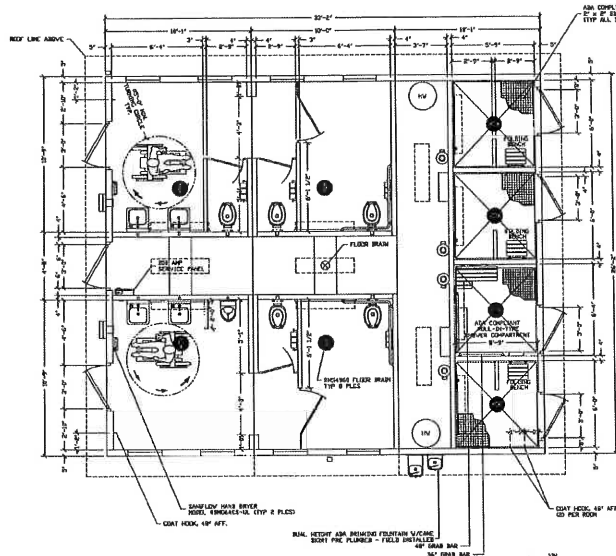
**PORT OF BROOKINGS HARBOR**  
RV PARK -  
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BROOKINGS, OREGON 97415

REVISIONS	Date:

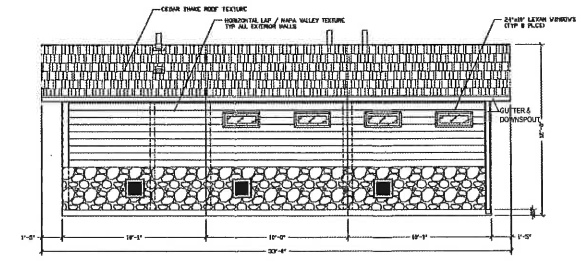
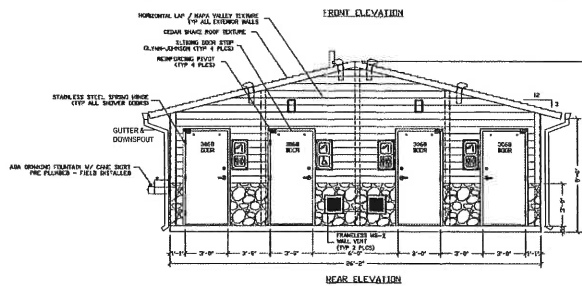
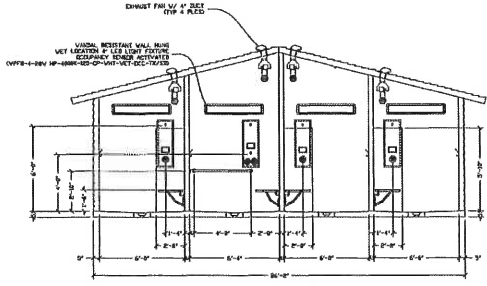
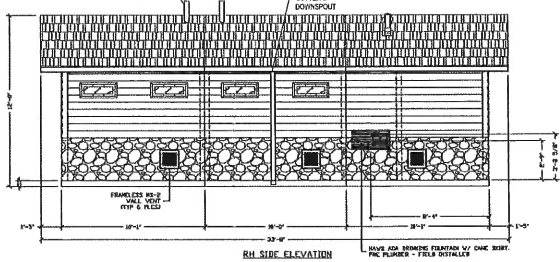
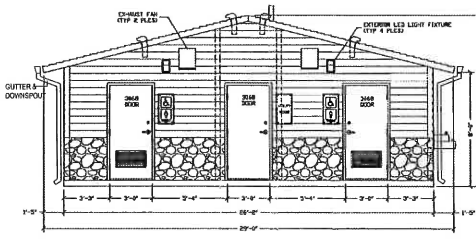
DECEMBER 2020  
PROJECT NO: 19005

**A3**

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NOTE: SEE MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATION FOR ADDITIONAL INFORMATION ON PRE-FABRICATED STRUCTURES



RESTROOM DESIGN BY OTHERS

DEWEET CENTRAL AVENUE  
SUITE 600  
COOS BAY, OREGON 97201  
503.261.9400  
www.crowclay.com

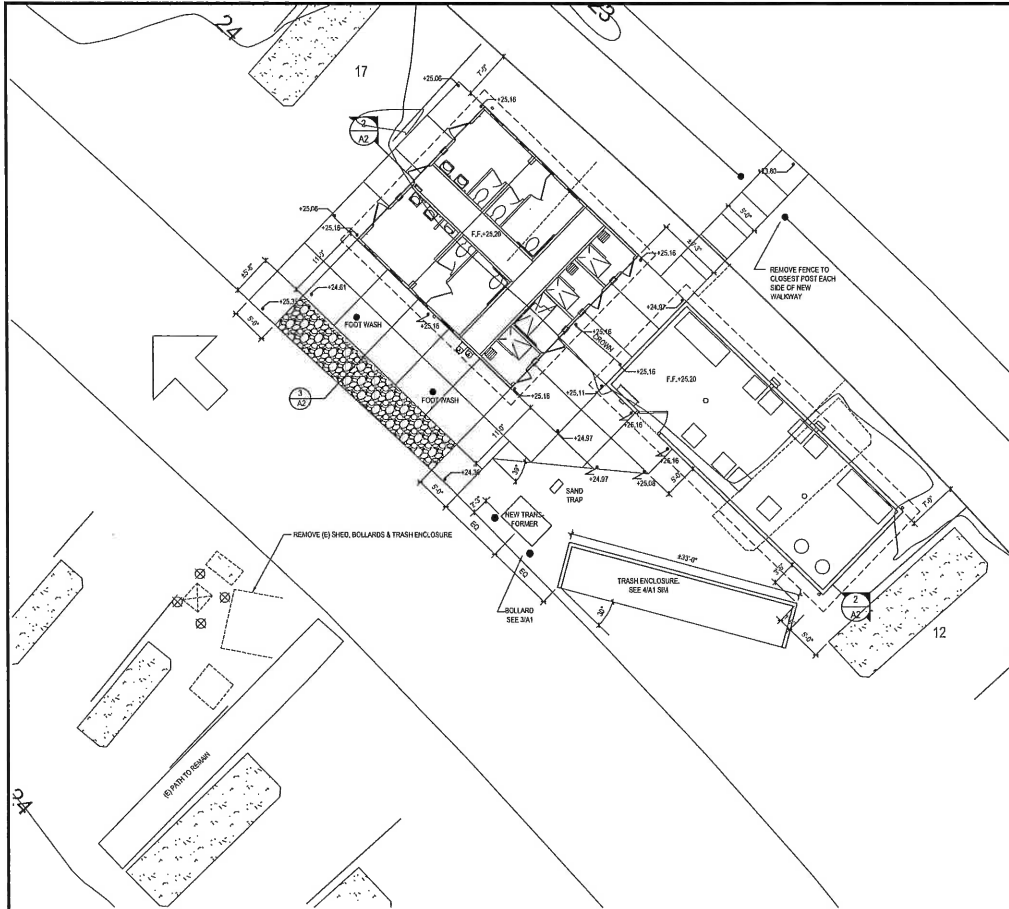
**CROW/CLAY & ASSOCIATES INC.**  
ARCHITECTURE AND PLANNING  
LAND USE AND INTERIORS

**PORT OF BROOKINGS HARBOR**  
RV PARK -  
BOAT BASIN ROAD  
BROOKINGS, OREGON 97415

NO.	REVISIONS	DATE

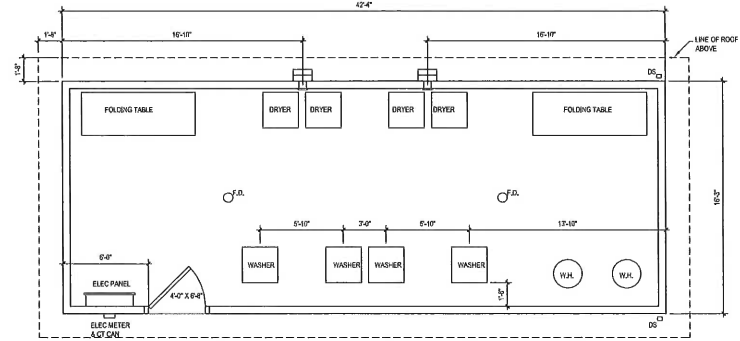
DECEMBER 2020  
PROJECT NO. 19005

**A4**



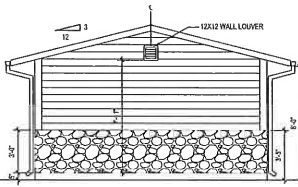
5 ENLARGED SITE PLAN  
SCALE: 1/8" = 1'-0"

NOTE: PROVIDE 24" x 24" x 4" CONCRETE PAD AT BASE OF EACH ELECTRICAL PEDESTAL FOR BASE BID AND ALTERNATE BIDS AS SELECTED.

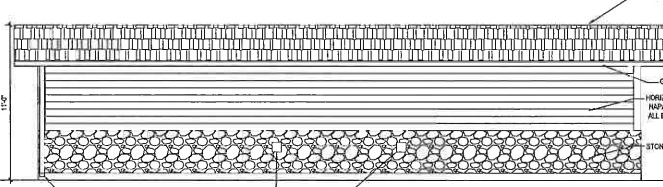


1 PLAN LAUNDRY  
SCALE: 1/4" = 1'-0"

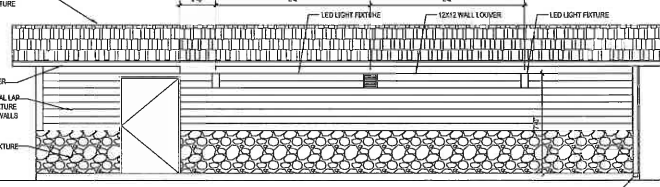
NOTE: SEE MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATION FOR ADDITIONAL INFORMATION ON PRE-FABRICATED STRUCTURES



4 WEST ELEVATION  
EAST ELEVATION SIM SCALE: 1/4" = 1'-0"



3 NORTH ELEVATION SCALE: 1/4" = 1'-0"



2 SOUTH ELEVATION SCALE: 1/4" = 1'-0"

REVISIONS	Date:

DECEMBER 2020  
PROJECT NO: 19005

A5

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# TOPOGRAPHIC SURVEY

PREPARED FOR  
 PORT OF BROOKINGS-HARBOR, OREGON  
 LOCATED IN  
 NE1/4, SECTION 8,  
 T41S, R10W, WILLAMETTE MERIDIAN,  
 CURRY COUNTY, OREGON

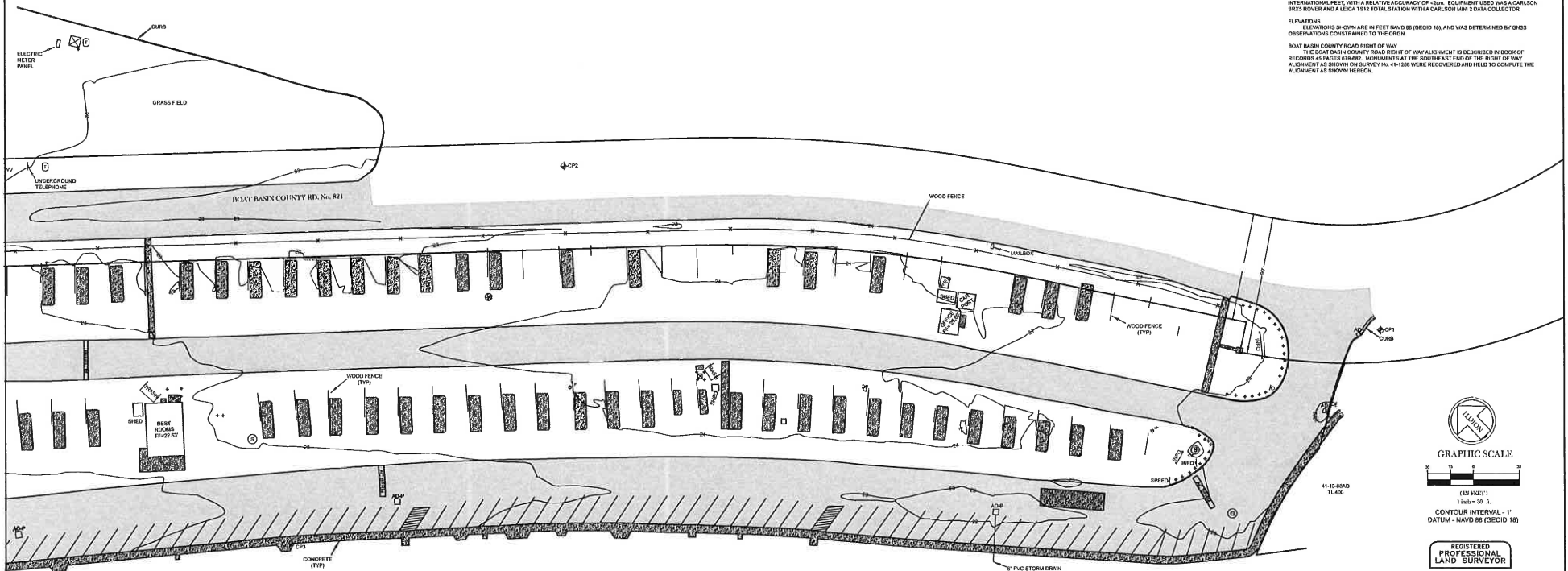
## SURVEYOR'S STATEMENT

**PURPOSE:**  
 THE PURPOSE OF THIS SURVEY WAS TO PROVIDE A TOPOGRAPHIC SURVEY OF THE BEACHFRONT TO PARK PORT OF BROOKINGS-HARBOR, OREGON. THE SURVEY INCLUDED VISIBLE IMPROVEMENTS OF THE SURFACE, BUT DID NOT INCLUDE THE LOCATION OF UNDERGROUND UTILITIES OR FACILITIES. DELIVERABLES TO THE PORT OF BROOKINGS-HARBOR INCLUDE AN AUTOCAD DRAWING AND ASSOCIATED POINT AND SURFACE FILES, WATER, SEWER, ELECTRIC AND CABLE HOODS FOR THE INDIVIDUAL UTILITY SPICES ARE CONTAINED IN THE ELECTRONIC FILES, BUT NOT SHOWN ON THIS MAP.

**BEARINGS & COORDINATES:**  
 BEARINGS AND COORDINATES FOR THIS SURVEY ARE OREGON COORDINATE REFERENCE SYSTEM OREGON COAST ZONE AS DEFINED IN OREGON ADMINISTRATIVE RULES 734-005-0005 THRU 734-005-0015. THE BEARING WAS DETERMINED BY GEODETIC QUALITY GLOBAL POSITIONING SYSTEM OBSERVATIONS TAKEN ON JULY 16, 2020. THE OBSERVATIONS WERE CONSTRAINED TO THE OREGON REAL-TIME OREGON REFERENCE NETWORK (ORGN) AND ENDED TO NAD 83 (2011) SPHERIC INTERNATIONAL FEET WITH A RELATIVE ACCURACY OF ±2cm. EQUIPMENT USED WAS A CARLSON 5702 ROVER AND A LEICA TRS 102 TOTAL STATION WITH A CARLSON MIN 2 DATA COLLECTOR.

**ELEVATIONS:**  
 ELEVATIONS SHOWN ARE IN FEET NAVD 83 (GEOID 18) AND WAS DETERMINED BY GNSS OBSERVATIONS CONSTRAINED TO THE ORGN.

**BOAT BASIN COUNTY ROAD RIGHT OF WAY:**  
 THE BOAT BASIN COUNTY ROAD RIGHT OF WAY ALIGNMENT IS DESCRIBED IN BOOK OF RECORDS 45 PAGES 076-047. MONUMENTS AT THE SOUTHEAST END OF THE RIGHT OF WAY ALIGNMENT AS SHOWN ON SURVEY NO. 41-128 WERE RECOVERED AND FIELD TO COMPUTE THE ALIGNMENT AS SHOWN HEREOF.

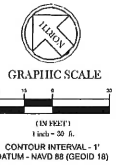


## LEGEND

- |                 |                 |      |                                |
|-----------------|-----------------|------|--------------------------------|
| SLP             | STREET LIGHT    | G    | GATE POST                      |
| WV              | WATER VALVE     | AD   | AREA DRAIN                     |
| FH              | FIRE HYDRANT    | AD-P | AREA DRAIN PLUGGED WITH DEBRIS |
| WM              | WATER METER     | BO   | BLOW OFF                       |
| SM              | SEWER MANHOLE   | SC   | SCULPTURE                      |
| EM              | ELECTRIC METER  | CONC | CONCRETE                       |
| TR              | TELEPHONE RISER | PAV  | PAVEMENT                       |
| TRN             | TRANSFORMER     |      |                                |
| SIGN            | SIGN            |      |                                |
| BOLLARD         | BOLLARD         |      |                                |
| 10' YUCCA TREE  | 10' YUCCA TREE  |      |                                |
| 10' SPRUCE TREE | 10' SPRUCE TREE |      |                                |

## UTILITY CONTROL

NO.	UTILITY	DATE	DESCRIPTION
001	SEWER	07/16/20	SEWER MAIN WITH 10' DIA. WATER MAIN
002	WATER	07/16/20	12" WATER MAIN WITH 4" DIA. GAS MAIN
003	ELECTRIC	07/16/20	3" ELECTRIC MAIN WITH 1" DIA. GAS MAIN
004	ELECTRIC	07/16/20	1" ELECTRIC MAIN WITH 1" DIA. GAS MAIN
005	WATER	07/16/20	1" WATER MAIN WITH 1" DIA. GAS MAIN



REGISTERED  
 PROFESSIONAL  
 LAND SURVEYOR

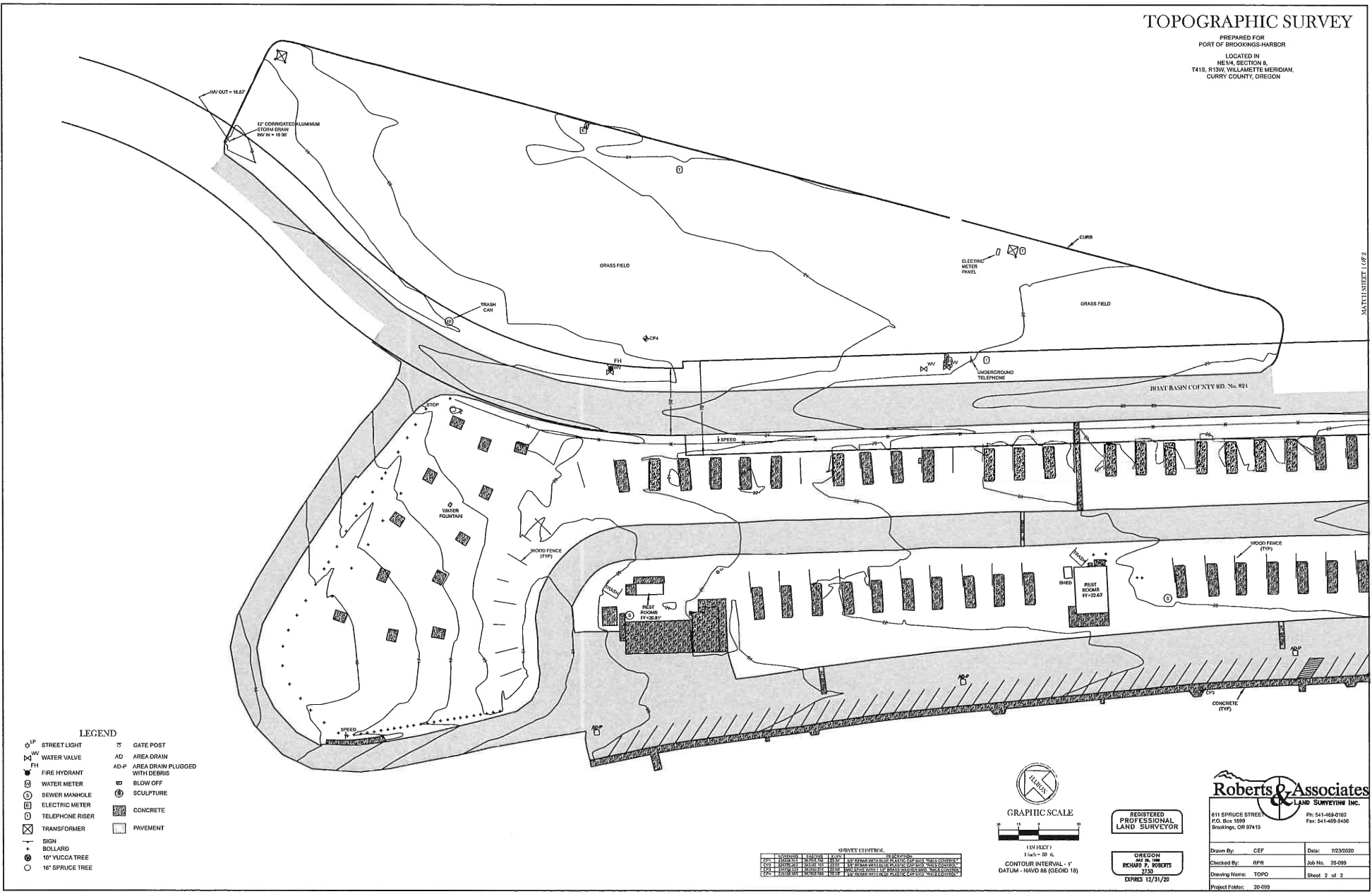
OREGON  
 JUL 16, 1985  
 RICHARD F. ROBERTS  
 2739  
 EXPIRES 12/31/20

**Roberts & Associates**  
 LAND SURVEYING INC.  
 811 SPRUCE STREET  
 P.O. BOX 1559  
 BROOKINGS, OR 97415  
 PH: 541-468-0182  
 FAX: 541-468-6456

Drawn By: CEF Date: 7/23/2020  
 Checked By: RFR Job No.: 20-099  
 Drawing Name: TOPO Sheet: 1 of 2  
 Project Folder: 20-099

# TOPOGRAPHIC SURVEY

PREPARED FOR  
PORT OF BROOKINGS-HARBOR  
LOCATED IN  
NE1/4, SECTION 8,  
T41S, R13W, WILLAMETTE MERIDIAN,  
CURRY COUNTY, OREGON



DATE PLOTTED: 11/02/20

- LEGEND**
- ⊙<sup>SP</sup> STREET LIGHT
  - ⊙<sup>WV</sup> WATER VALVE
  - ⊙<sup>TH</sup> FIRE HYDRANT
  - ⊙<sup>WM</sup> WATER METER
  - ⊙<sup>BM</sup> SEWER MANHOLE
  - ⊙<sup>EM</sup> ELECTRIC METER
  - ⊙<sup>TR</sup> TELEPHONE RISER
  - ⊙<sup>TR</sup> TRANSFORMER
  - ⊙<sup>S</sup> SIGN
  - ⊙<sup>B</sup> BOLLARD
  - ⊙<sup>Y</sup> 10" YUCCA TREE
  - ⊙<sup>S</sup> 16" SPRUCE TREE
  - ⊙<sup>AD</sup> GATE POST
  - ⊙<sup>AD-P</sup> AREA DRAIN
  - ⊙<sup>AD-P</sup> AREA DRAIN PLUGGED WITH DEBRIS
  - ⊙<sup>BO</sup> BLOW OFF
  - ⊙<sup>SC</sup> SCULPTURE
  - ▨ CONCRETE
  - ▨ PAVEMENT



GRAPHIC SCALE  
1" = 20' H.

(IN FEET)  
1" = 20' H.  
CONTOUR INTERVAL - 1'  
DATUM - NAVD 88 (GEOID 18)

SURVEY CONTROL			
POINT	DATE	BY	REMARKS
101	11/02/20	RFR	NEW SURVEY CONTROL POINT
102	11/02/20	RFR	NEW SURVEY CONTROL POINT
103	11/02/20	RFR	NEW SURVEY CONTROL POINT
104	11/02/20	RFR	NEW SURVEY CONTROL POINT
105	11/02/20	RFR	NEW SURVEY CONTROL POINT
106	11/02/20	RFR	NEW SURVEY CONTROL POINT
107	11/02/20	RFR	NEW SURVEY CONTROL POINT
108	11/02/20	RFR	NEW SURVEY CONTROL POINT
109	11/02/20	RFR	NEW SURVEY CONTROL POINT
110	11/02/20	RFR	NEW SURVEY CONTROL POINT

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

OREGON  
NO. 220  
RICHARD F. ROBERTS  
2720  
EXPIRES 12/31/20

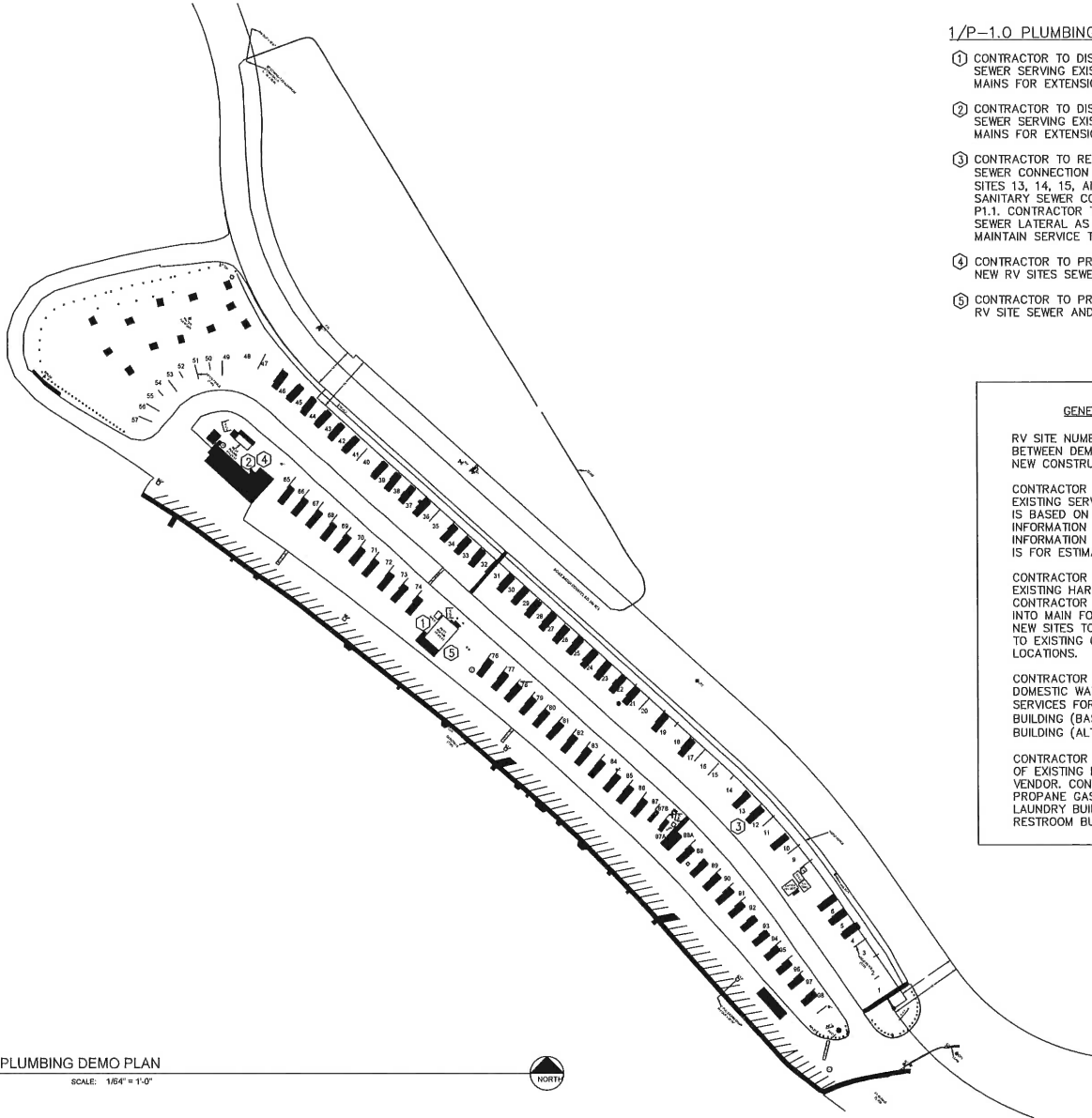
**Roberts & Associates**  
LAND SURVEYING INC.

611 SPRUCE STREET  
P.O. Box 1909  
Brookings, OR 97415  
Ph: 541-468-0162  
Fax: 541-468-5408

Drawn By: CEF Date: 7/23/2020  
Checked By: RFR Job No. 20-099  
Drawing Name: TOPO Sheet 2 of 2  
Project Folder: 20-099

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1 SITE PLUMBING DEMO PLAN  
SCALE: 1/8" = 1'-0"

**1/P-1.0 PLUMBING DEMO NOTES**

- ① CONTRACTOR TO DISCONNECT EXISTING WATER AND SANITARY SEWER SERVING EXISTING BUILDING, PREPARE CONNECTION TO MAINS FOR EXTENSION TO RV SITES PER SHEET P1.1.
- ② CONTRACTOR TO DISCONNECT EXISTING WATER AND SANITARY SEWER SERVING EXISTING BUILDING, PREPARE CONNECTION TO MAINS FOR EXTENSION TO RV SITES AS SHOWN ON SHEET P1.1.
- ③ CONTRACTOR TO REMOVE EXISTING HOSE BIBS AND SANITARY SEWER CONNECTION BACK TO MAIN SERVING EXISTING (4) RV SITES 13, 14, 15, AND 16 BEING REMOVED. PROVIDE WATER AND SANITARY SEWER CONNECTIONS TO NEW BUILDINGS PER SHEET P1.1. CONTRACTOR TO REPLACE EXISTING SECTION OF SANITARY SEWER LATERAL AS REQUIRED TO CONNECT NEW BUILDINGS AND MAINTAIN SERVICE TO REMAINING RV SITES.
- ④ CONTRACTOR TO PREPARE OLD RESTAURANT LOCATION FOR 6 NEW RV SITES SEWER AND WATER HOOKUPS, SEE SHEET P1.1.
- ⑤ CONTRACTOR TO PREPARE OLD RESTROOM LOCATION FOR 4 NEW RV SITE SEWER AND WATER HOOKUPS, SEE SHEET P1.1.

**GENERAL NOTES**

RV SITE NUMBERING IS MODIFIED BETWEEN DEMOLITION DRAWINGS AND NEW CONSTRUCTION DRAWINGS.

CONTRACTOR TO SITE LOCATE ALL EXISTING SERVICES, INFORMATION SHOWN IS BASED ON SITE OBSERVATIONS AND INFORMATION PROVIDED BY OWNER. INFORMATION IS NOT GUARANTEED AND IS FOR ESTIMATING PURPOSES ONLY.

CONTRACTOR TO MINIMIZE IMPACT ON EXISTING HARBOR SANITARY SEWER MAIN. CONTRACTOR TO UTILIZE EXISTING TAPS INTO MAIN FOR NEW RV SITES. COMBINE NEW SITES TOGETHER IN COMMON DRAIN TO EXISTING CONNECTION, TYPICAL TWO LOCATIONS.

CONTRACTOR TO FIELD LOCATE EXISTING DOMESTIC WATER SUPPLY, CONNECT NEW SERVICES FOR RESTROOM/SHOWER BUILDING (BASE BID) AND LAUNDRY BUILDING (ALTERNATE #4).

CONTRACTOR TO COORDINATE REMOVAL OF EXISTING PROPANE TANK WITH VENDOR. CONTRACTOR TO REMOVE ALL PROPANE GAS PIPING SERVING EXISTING LAUNDRY BUILDING AND EXISTING RESTROOM BUILDING.

123 WEST CENTRAL AVENUE  
SUITE 200 CENOSON 97403  
TEL: (503) 255-9388  
www.crowclay.com

**CROW/CLAY & ASSOCIATES INC.**  
ARCHITECTURE AND PLANNING  
LAND USE AND INTERIORS



**PORT OF BROOKINGS HARBOR**  
RV PARK -  
BOAT BASIN ROAD  
BROOKINGS, OREGON 97415

NO.	REVISIONS	DATE

SEPT 2020  
PROJECT NO: 19005

**P1.0**

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DESIGNATION	FIXTURE TYPE	C.W.	H.W.	SAN/ WASTE	VENT	MANUFACTURER	MODEL	HARDWARE	NOTES
P-1	FLOOR SINK	N/A	N/A	4"	2"	JR SMITH	2005Y	8" NB GRATE WITH TRAP PRIMER	1,2
P-2	HOSE BIB	3/4"	N/A	N/A	N/A	WOODFORD	MODEL 24	R.P. BACKFLOW DEVICE ON SUPPLIES, KEYED HANDLE	
P-3	FLOOR DRAIN	N/A	N/A	2"	1-1/2"	JR SMITH	2005Y	8" NB GRATE WITH TRAP PRIMER	1
P-4	WASHING MACHINE	3/4"	3/4"	2"	1-1/2"	SPEED QUEEN	SPFNCSAP115TW01	PROVIDE WITH WATER HAMMER ARRESTORS	
P-5	EXT. SHOWER	3/4"	N/A	N/A	N/A	WILLOUGHBY	WOODS-ADA		
P-6	DRINKING FOUNTAIN	1/2"	N/A	2"	1 1/2"	EKLAT	UK4595		

- PROVIDE WITH CABINET MODEL 9200REC
- PROVIDE WITH PRECISION PLUMBING PRODUCTS PR-500 TRAP PRIMER

- GENERAL NOTES:
- PROVIDE ANGLE STOPS OR SHUT-OFF VALVES AT ALL FIXTURES.
  - VERIFY ALL REQUIREMENTS WITH AHJ PRIOR TO ORDERING AND ROUGH IN.
  - ALL FIXTURES TO BE INSTALLED PER MANUFACTURER AS RECOMMENDED.
  - INSTALL WITH STAINLESS STEEL FLEXIBLE CONNECTIONS AT APPLIANCES.
  - PROVIDE TRAP PRIMERS FOR ALL FLOOR SINKS AND FLOOR DRAINS.
  - PROVIDE WATER HAMMER ARRESTOR ON WASHING MACHINE SUPPLIES.
  - SUBSTITUTIONS: KOHLER, AMERICAN STANDARD, TOTO OR APPROVED EQUAL.

LAUNDRY ROOM					SHOWER ROOM						
FIXTURE	COUNT	FU/UNIT	DFU/UNIT	TOTAL FU	TOTAL DFU	FIXTURE	COUNT	FU/UNIT	DFU/UNIT	TOTAL FU	TOTAL DFU
WASHER	4	8	10	24	40	FLUSH VALVE WC	5	TABLE 6-7	4	115	20
FLOOR DRAIN	2		2		4	FLUSH VALVE UR	1	TABLE 6-7	2	20	2
FLOOR SINK	2		4		4	SHOWER	4		2	8	8
HOSE BIB	1	2.5		2.5		FLOOR DRAIN	8		2	16	16
						DRINKING FOUNTAIN	1	.5	.5	.5	.5
<b>TOTALS</b>				<b>28.5</b>	<b>52</b>	<b>TOTALS</b>				<b>147.5</b>	<b>54.5</b>

1/P-1.1 PLUMBING NOTES

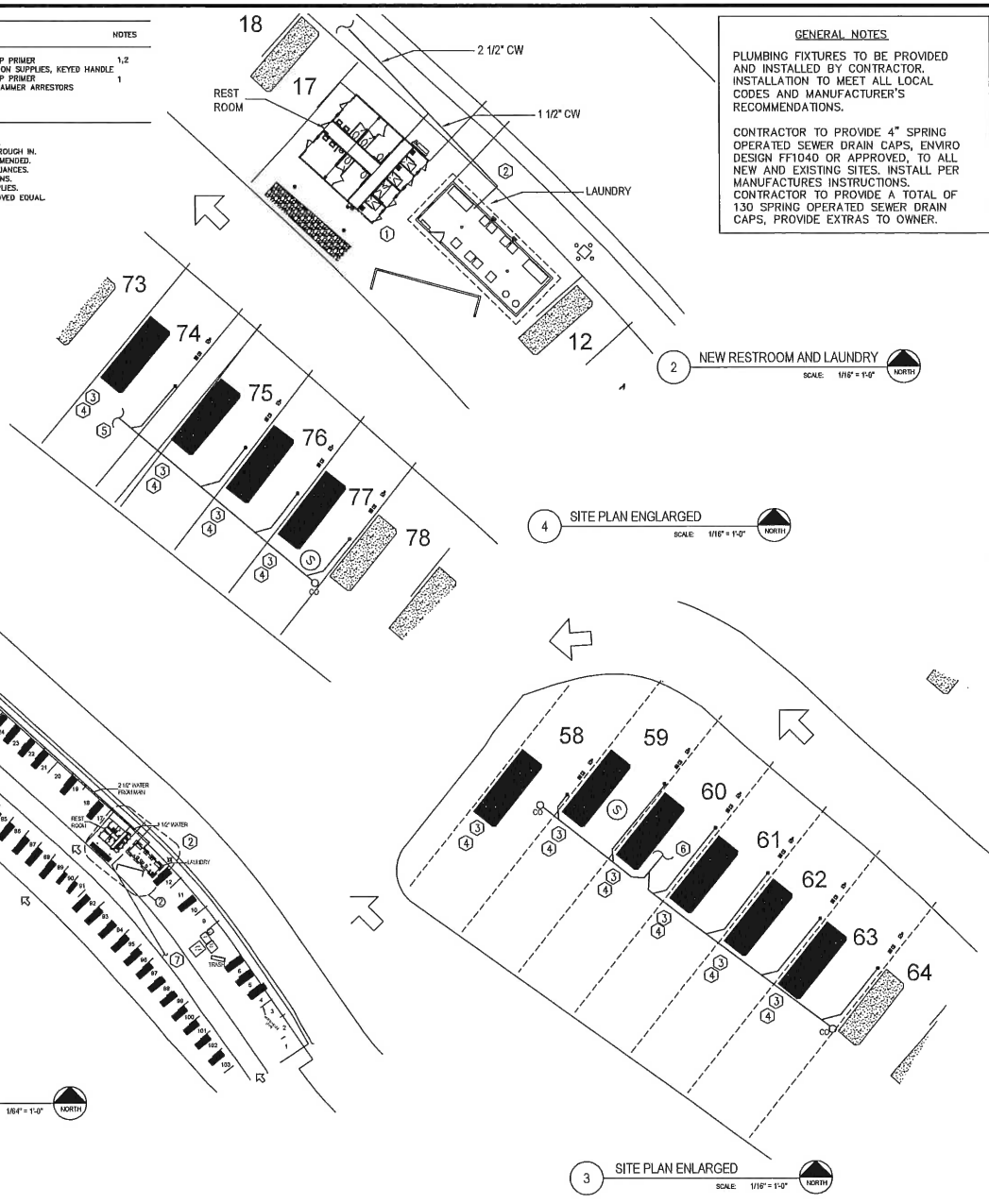
- CONTRACTOR TO CONNECT 2-1/2" WATER SUPPLY FROM MAIN LOCATED BEHIND SITE 37 AND 4" SANITARY SEWER FROM EXISTING LATERAL SERVING REMOVED RV SITES 13-16 TO NEW RESTROOM/SHOWER BUILDING. CONTRACTOR TO FIELD VERIFY LOCATION AND CONNECTION POINT.
- ALTERNATE BID #4: CONTRACTOR TO EXTEND 1-1/2" WATER SUPPLY FROM 2-1/2" WATER SUPPLY TO NEW RESTROOM/SHOWER BUILDING TO NEW LAUNDRY BUILDING. CONTRACTOR TO CONNECT 4" SANITARY SEWER TO EXISTING SANITARY SEWER LATERAL SERVING REMOVED RV SITES. CONTRACTOR TO FIELD VERIFY LOCATION AND CONNECTION POINT.
- CONTRACTOR TO PROVIDE (1) SANITARY YARD HYDRANT, WOODFORD S3, FOR EACH OF THE NEW RV SPOTS, 10 TOTAL. CONNECT TO WATER SERVICE IN DRIVEWAY, FIELD LOCATE, WITH 3/4" CW PIPE. INSTALL PER MANUFACTURERS INSTRUCTIONS. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS. FIELD LOCATE WATER MAIN.
- CONTRACTOR TO PROVIDE 4" SANITARY SEWER DRAIN TO EACH NEW RV SITE WITH SPRING LOADED CAP. SEE GENERAL NOTES. CONTRACTOR TO COMBINE DRAINS TO COMMON 4" SANITARY SEWER, CONNECT TO PRIVATE SANITARY SEWER LATERAL, FIELD VERIFY LOCATION.
- CONTRACTOR TO CONTINUE 4" SANITARY SEWER TO 4" PRIVATE SANITARY SEWER LATERAL. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH OF PRIVATE SANITARY SEWER LATERAL AND CONNECTION POINT. EXISTING PRIVATE SANITARY LATERAL CONNECTION TO HARBOR SANITARY DISTRICT MAIN IS APPROXIMATELY 204' SOUTHEAST OF NORTH MANHOLE.
- CONTRACTOR TO CONTINUE 4" SANITARY SEWER TO 4" PRIVATE SANITARY SEWER LATERAL. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH OF PRIVATE SANITARY SEWER LATERAL AND CONNECTION POINT. EXISTING PRIVATE SANITARY LATERAL CONNECTION TO HARBOR SANITARY DISTRICT MAIN IS APPROXIMATELY 29' SOUTHEAST OF NORTH MANHOLE.
- CONTRACTOR TO FIELD LOCATE EXISTING PRIVATE SANITARY SEWER LATERAL CROSSING BELOW ROAD TO CONNECT NEW RESTROOM BUILDING AND LAUNDRY BUILDING SANITARY SEWER LINES TO.

1 PLUMBING SITE PLAN SCALE: 1/8" = 1'-0" NORTH

**GENERAL NOTES**

PLUMBING FIXTURES TO BE PROVIDED AND INSTALLED BY CONTRACTOR. INSTALLATION TO MEET ALL LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS.

CONTRACTOR TO PROVIDE 4" SPRING OPERATED SEWER DRAIN CAPS, ENVIRO DESIGN FF1040 OR APPROVED, TO ALL NEW AND EXISTING SITES. INSTALL PER MANUFACTURERS INSTRUCTIONS. CONTRACTOR TO PROVIDE A TOTAL OF 130 SPRING OPERATED SEWER DRAIN CAPS, PROVIDE EXTRAS TO OWNER.



4 SITE PLAN ENLARGED SCALE: 1/16" = 1'-0" NORTH

3 SITE PLAN ENLARGED SCALE: 1/16" = 1'-0" NORTH

122 WEST CENTRAL AVENUE  
 PORT OF BROOKINGS, OREGON 97402  
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 ARCHITECTURE AND PLANNING  
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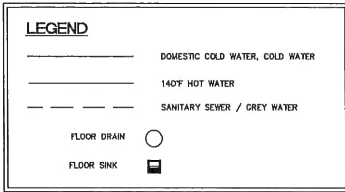
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P1.1

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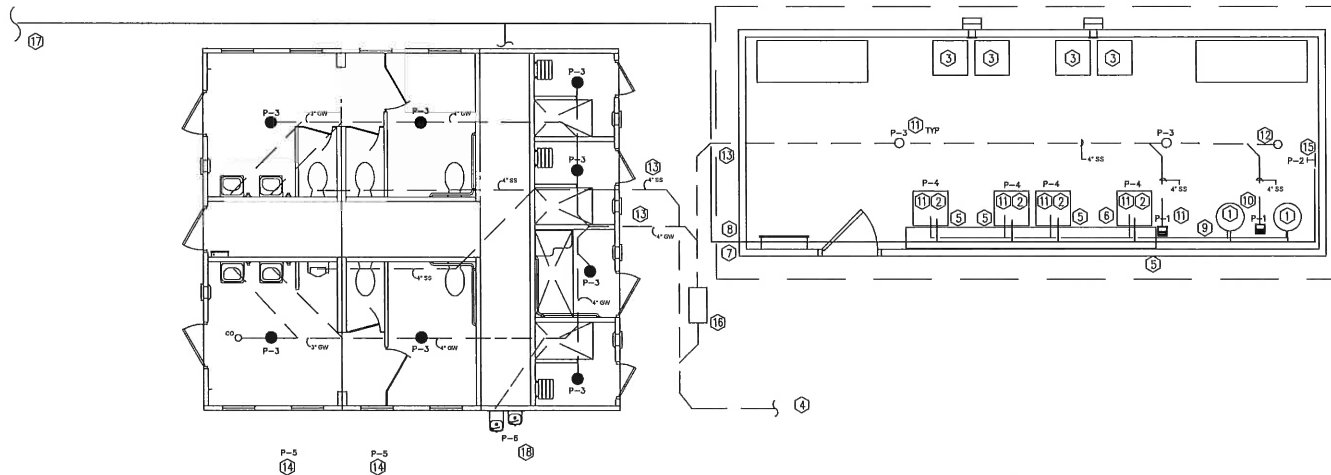


**GENERAL NOTE:**

CONTRACTOR TO FIELD LOCATE SEWER LATERAL PRIOR TO COMMENCING WORK. CONFIRM DEPTH AND LOCATION WITH ARCHITECT PRIOR TO COMMENCING WORK.

**1/P-1.2 PLUMBING LAUNDRY ROOM NOTES**

- ① ALTERNATE 4: CONTRACTOR TO PROVIDE (2) 50 GAL. HOT WATER HEATERS, AO SMITH DRE-52-12 GOLD SERIES 240 VOLT 1 PHASE 50 AMP. CONTRACTOR TO COORDINATE ELECTRIC CIRCUIT WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING. PROVIDE DRAIN PAN WITH DRAIN ROUTED TO FLOOR SINK.
- ② ALTERNATE 4: CONTRACTOR TO PROVIDE COIN OPERATED WASHING MACHINE, SPEED QUEEN SFNRCASP115TWD1 OR APPROVED. CONTRACTOR TO COORDINATE ELECTRIC CIRCUIT WITH ELECTRICAL CONTRACTOR.
- ③ ALTERNATE 4: CONTRACTOR TO PROVIDE COIN OPERATED DRYER, SPEED QUEEN SDENCRG5173TW02 OR APPROVED. CONTRACTOR TO COORDINATE ELECTRIC CIRCUIT WITH ELECTRICAL CONTRACTOR. PROVIDE 4" DRYER VENT TO STAINLESS STEEL HOODED WALL CAP, OLYMPIA CHIMNEY SUPPLY INC. DVV-4 OR APPROVED.
- ④ CONTRACTOR TO CONNECT 4" SANITARY SEWER TO EXISTING PRIVATE SANITARY SEWER LATERAL CROSSING ROAD APPROXIMATELY NEAR SITE 9B. CONTRACTOR TO FIELD VERIFY DEPTH AND LOCATION OF EXISTING LATERAL PRIOR TO ROUGH IN FOR NEW BUILDINGS AND SOLIDS TRAP. IF ALTERNATE 4 IS ACCEPTED THEN THE LAUNDRY ROOM WILL BE CONNECTED IN THE SAME MANNER.
- ⑤ ALTERNATE 4: CONTRACTOR TO PROVIDE (1) WATER HAMMER ARRESTOR, WATTS LF15M2 OR APPROVED, FOR EACH 3/4" CW AND 3/4" HW PIPE FEEDING WASHING MACHINES.
- ⑥ ALTERNATE 4: CONTRACTOR TO PROVIDE LINT TRAP TROUGH DRAIN, 18" WIDE 12" TALL 18" LONG H-M COMPANY OR APPROVED. PLUMB WASHING MACHINE DRAINS INTO TOP OF LINT TROUGH PER MANUFACTURE, ELBOW TROUGH DRAIN INTO FLOOR SINK. FIELD VERIFY DIMENSIONS PRIOR TO ORDERING. VERIFY WITH MANUFACTURE INSTALLATION REQUIREMENTS.
- ⑦ ALTERNATE 4: CONTRACTOR TO SUPPLY BUILDING WITH 1-1/2" WATER MAIN, 3/4" CW DROPS TO EACH WASHER. PROVIDE ISOLATION VALVE IN ACCESSIBLE LOCATION AS THE MAIN WATER SUPPLY ENTERS THE BUILDING.
- ⑧ ALTERNATE 4: CONTRACTOR TO PROVIDE REDUCE BACK FLOW PREVENTION DEVICE FOR 1-1/2" WATER SUPPLY.
- ⑨ ALTERNATE 4: CONTRACTOR TO CONNECT HOT WATER HEATERS TO WASHING MACHINE USING 1-1/2" MAIN PIPE AND 3/4" DROPS.
- ⑩ ALTERNATE 4: CONTRACTOR TO COMBINE FLOOR VENTS INTO COMMON 4" VENT FOR SANITARY SEWER, ROUTE OUT THROUGH ROOF.
- ⑪ ALTERNATE 4: CONTRACTOR TO PROVIDE EACH FLOOR DRAIN AND FLOOR SINK WITH A TRAP PRIMER.
- ⑫ ALTERNATE 4: CONTRACTOR TO PROVIDE SANITARY SEWER END OF LINE CLEAN OUT.
- ⑬ CONTRACTOR TO PROVIDE A TWO WAY CLEAN OUT ON SANITARY SEWER OUTSIDE OF BUILDING.
- ⑭ CONTRACTOR TO PROVIDE WILLOUGHBY WODS-ADA SERIES STAINLESS STEEL OUTDOOR FOOT SHOWER OR APPROVED. EXTEND 3/4" COLD WATER SUPPLY FROM RESTROOM/SHOWER BUILDING. NOTE: FOOT WASH DOES NOT CONNECT TO SANITARY SEWER.
- ⑮ ALTERNATE 4: CONTRACTOR TO PROVIDE HOSE BIB, WOODFORD MODEL 19 OR APPROVED. SUPPLY WITH 3/4" CW.
- ⑯ CONTRACTOR TO PROVIDE ZURN Z1187 SOLIDS TRAP SIZE 300 OR APPROVED IN GRAY WATER FROM RESTROOM/SHOWER BUILDING (CONTRACTOR TO DRAIN ALL FLOOR DRAINS AND SHOWERS THROUGH GRAY WATER DRAIN TO SOLIDS TRAP PRIOR TO CONNECTION TO SANITARY SEWER. ALTERNATE #4: CONNECT LAUNDRY BUILDING SANITARY SEWER UPSTREAM OF SOLIDS TRAP. CONTRACTOR TO CONNECT 4" DRAIN FROM SOLIDS TRAP TO 4" SANITARY SEWER CONNECTION TO REMOVED RV SITE.
- ⑰ CONTRACTOR TO ROUTE 2-1/2" COLD WATER SUPPLY FROM MAIN SERVICE LOCATED NEAR SITE 37 TO NEW RESTROOM/SHOWER BUILDING, VERIFY LOCATION OF CONNECTION TO BUILDING WITH BUILDING SUPPLIER. PROVIDE ISOLATION VALVE AT BUILDING CONNECTION IN ACCESSIBLE LOCATION AND AT MAIN SERVICE, STUB 1-1/2" COLD WATER TO LAUNDRY BUILDING WITH ISOLATION VALVE IN YARD BOX. CONTINUE TO BUILDING UNDER ALTERNATE #4.
- ⑱ PROVIDE 1/2" COLD WATER TO DRINKING FOUNTAIN WITH ISOLATION VALVE ON INSIDE OF BUILDING LABELED "DRINKING FOUNTAIN". PROVIDE 2" GREY WATER DRAIN TO 4" GREY WATER DRAIN. EXTEND 1-1/2" VENT UP THROUGH ROOF.



1 ENLARGED PLUMBING SHOWER AND LAUNDRY ROOM PLAN  
 SCALE: 1/2" = 1'-0"

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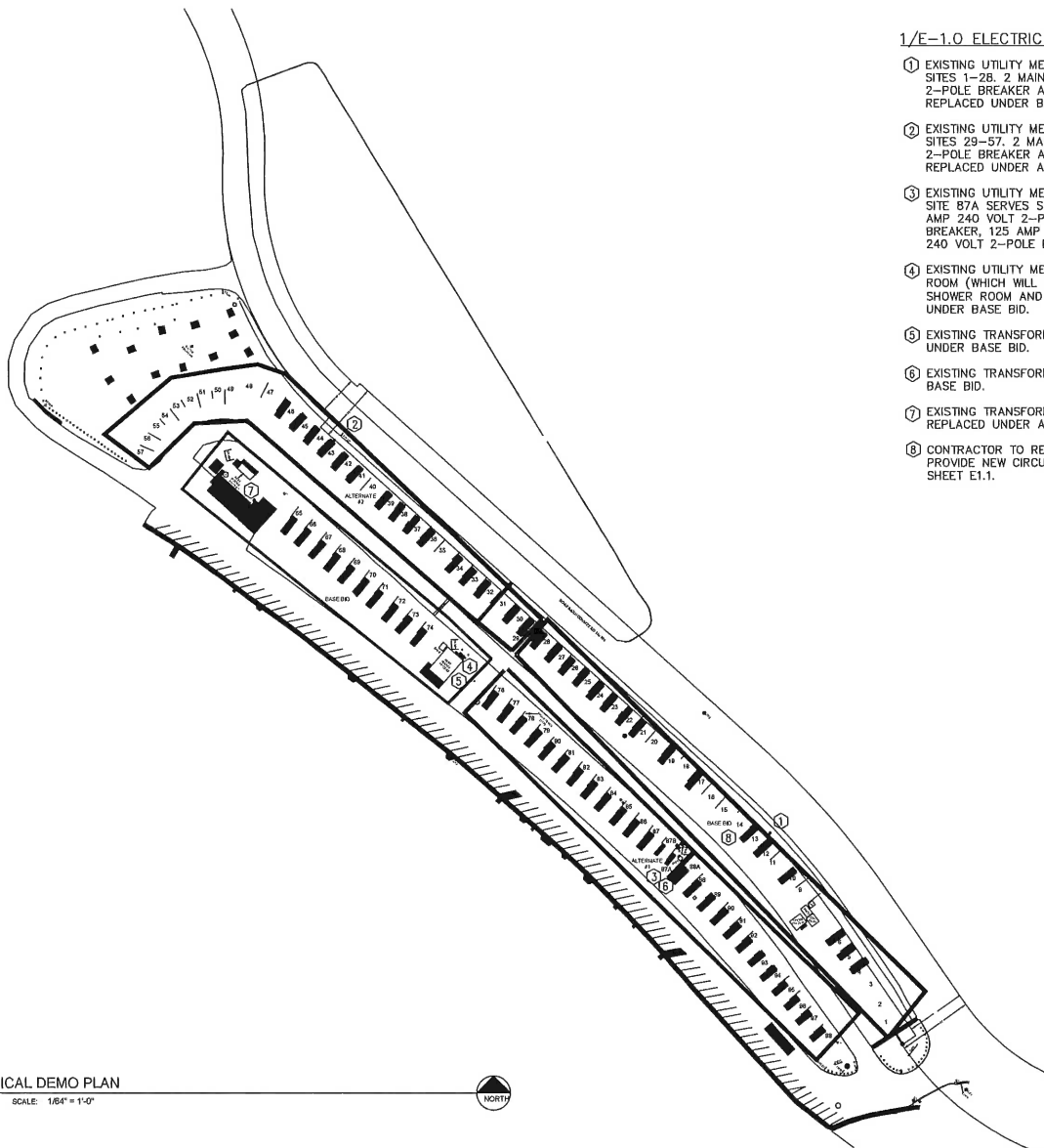
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REV.	REVISION	DATE

SEPT 2020  
 PROJECT NO: 19005

**P1.2**

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1 SITE ELECTRICAL DEMO PLAN  
SCALE: 1/8" = 1'-0"

1/E-1.0 ELECTRIC DEMO NOTES

- ① EXISTING UTILITY METER #66347 LOCATED IN SITE 13 SERVES SITES 1-28. 2 MAIN CIRCUIT BREAKER: 125 AMP 240 VOLT 2-POLE BREAKER AND 150 AMP 240 VOLT 2-POLE BREAKER. REPLACED UNDER BASE BID.
- ② EXISTING UTILITY METER #64941 LOCATED IN SITE 43 SERVES SITES 29-57. 2 MAIN CIRCUIT BREAKER: 125 AMP 240 VOLT 2-POLE BREAKER AND 150 AMP 240 VOLT 2-POLE BREAKER. REPLACED UNDER ALTERNATE 2.
- ③ EXISTING UTILITY METER #66348 LOCATED IN SMALL SHED AT SITE 87A SERVES SITES 76-98. 4 MAIN CIRCUIT BREAKER: 125 AMP 240 VOLT 2-POLE BREAKER, 125 AMP 240 VOLT 2-POLE BREAKER, 125 AMP 240 VOLT 2-POLE BREAKER, AND 40 AMP 240 VOLT 2-POLE BREAKER. REPLACED UNDER BASE BID.
- ④ EXISTING UTILITY METER #66346 LOCATED IN EXISTING SHOWER ROOM (WHICH WILL BE REMOVED DURING RENOVATIONS) SERVES SHOWER ROOM AND SITES 65-74. REPLACED IN NEW LOCATION UNDER BASE BID.
- ⑤ EXISTING TRANSFORMERS TO BE REPLACED AND RELOCATED UNDER BASE BID.
- ⑥ EXISTING TRANSFORMER TO BE RELOCATED AND REPLACED UNDER BASE BID.
- ⑦ EXISTING TRANSFORMER TO BE RELOCATED UNDER BASE BID, REPLACED UNDER ALTERNATE BID #2.
- ⑧ CONTRACTOR TO REMOVE CIRCUITING SERVING RV SITES 13-16. PROVIDE NEW CIRCUITING TO RV SITES 1-12 AND 14-28 PER SHEET E1.1.

GENERAL NOTES

RV SITE NUMBERING IS MODIFIED BETWEEN DEMOLITION DRAWINGS AND NEW CONSTRUCTION DRAWINGS.

CONTRACTOR TO FIELD LOCATE ALL EXISTING SERVICES. INFORMATION SHOWN IS BASED ON SITE OBSERVATIONS AND INFORMATION PROVIDED BY OWNER. INFORMATION IS NOT GUARANTEED AND IS FOR ESTIMATING PURPOSES ONLY.

CONTRACTOR TO RELOCATE EXISTING TRANSFORMERS AS DESCRIBED ON SHEET E1.1. CONTRACTOR RESPONSIBLE FOR FIELD LOCATING EXISTING CONDUIT SERVING TRANSFORMERS AND RELOCATING TO NEW TRANSFORMER LOCATIONS. CONTRACTOR TO COORDINATE ALL WORK WITH COOS CURRY ELECTRIC PRIOR TO PERFORMING ANY WORK. CONTRACTOR TO PROVIDE VAULTS/PADS PER COOS CURRY ELECTRIC REQUIREMENTS.

CONTRACTOR TO REPLACE SERVICES AS DESCRIBED ON SHEET E1.1. ALL NEW SERVICES TO BE STAINLESS STEEL CABINETS DESIGNED FOR COASTAL ENVIRONMENT MOUNTED ON STAINLESS STEEL STRUT AND BACKBOARD SYSTEM. CONTRACTOR RESPONSIBLE FOR COORDINATION WITH COOS CURRY ELECTRIC FOR CONNECTION TO NEW TRANSFORMER.

CONTRACTOR TO UPDATE ALL PANEL SCHEDULES AT END OF CONSTRUCTION WITH NEW SITE NUMBERS.

CONTRACTOR TO COORDINATE RELOCATION OF WIFI REPEATER IN EXISTING RESTROOM BUILDING TO NEW LOCATION AT SITE 37. PROVIDE RECEPTACLE FOR LOW VOLTAGE TRANSFORMER AND WEATHER PROOF ENCLOSURE.

CONTRACTOR TO PROVIDE ADDITIONAL SPLITTERS TO EXTEND CABLE TELEVISION TO NEW SITES. RELOCATE TERMINATION TO NEW PEDESTALS.

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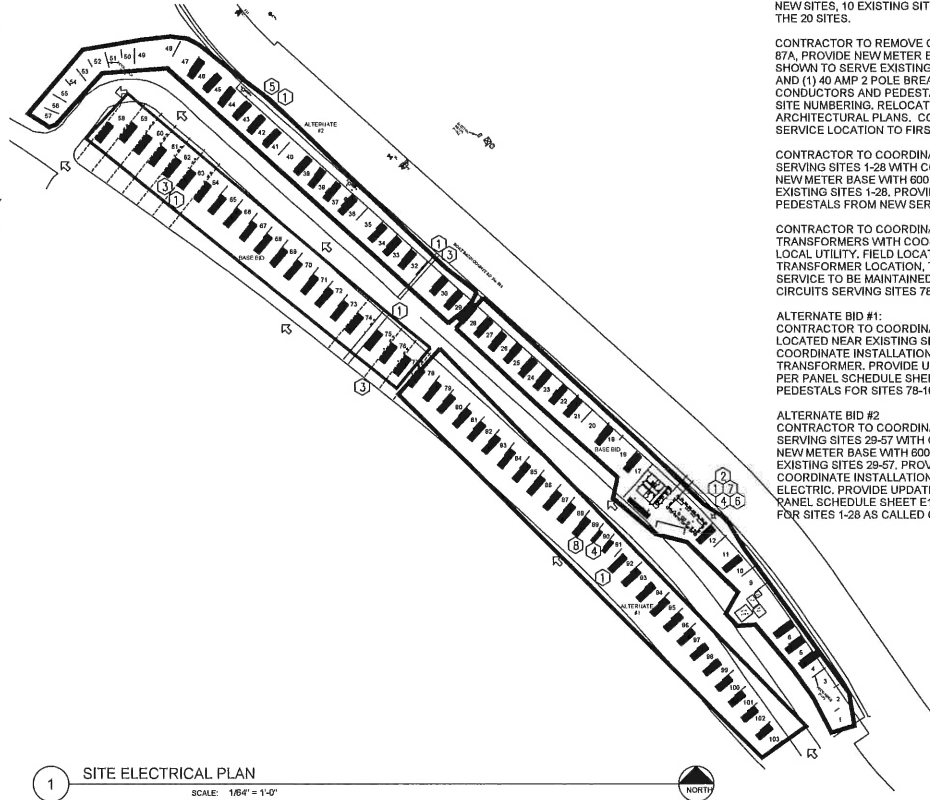
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PROJECT NO: 19005

E1.0

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1/E-1.1 ELECTRICAL NOTES

- ① CONTRACTOR TO COORDINATE WITH COOS CURRY ELECTRIC FOR PLACEMENT OF NEW TRANSFORMERS. CONTRACTOR TO FIELD LOCATE EXISTING 4" (FIELD VERIFY) CONDUIT SERVING EXISTING TRANSFORMERS. REROUTE CONDUIT TO NEW TRANSFORMER LOCATIONS, SEE ARCHITECTURAL PLANS FOR NEW LOCATIONS.
- ② CONTRACTOR TO PROVIDE NEW 400 AMP SERVICE TO NEW LAUNDRY BUILDING UNDER ALTERNATE #4, PROVIDE NEW PANEL PER SCHEDULE.
- ③ CONTRACTOR TO COORDINATE WITH COOS CURRY ELECTRIC FOR REPLACEMENT OF EXISTING TRANSFORMER WITH NEW 167 KVA TRANSFORMER. CONTRACTOR TO PROVIDE NEW 600 AMP 120/240 VOLT SERVICE TO SERVE 10 NEW SITES AND 10 EXISTING SITES 58-77, PROVIDE NEW 50 AMP PEDESTAL, HYPOWER POWERPORT RV OR APPROVED, COMPLETE WITH WEATHER BASE, POWERSNAP PANEL WITH BREAKERS, 50 AMP, 30 AMP AND 20 AMP GFCI RECEPTACLES, CAP WITH LIGHT. PROVIDE 24"x24"x4" CONCRETE PAD FOR MOUNTING. ROUTE CABLE FOR TELEVISION THROUGH PEDESTAL.
- ④ REFER TO ARCHITECTURAL PLANS FOR LOCATION OF TRANSFORMER AND SERVICE GEAR. CONTRACTOR TO REMOVE EXISTING SERVICE GEAR IN ELECTRICAL SHED, PROVIDE NEW 600 AMP 120/240 VOLT SERVICE TO SERVE EXISTING SITES 78-103. CONTRACTOR TO PROVIDE (3) 125 AMP 2 POLE BREAKERS AND (1) 40 AMP 2 POLE BREAKER, MAINTAIN CONDUIT AND CONDUCTORS TO EXISTING SITES, LABEL PANEL WITH NEW SITE NUMBERS.
- ⑤ ALTERNATE #2: CONTRACTOR TO COORDINATE WITH COOS CURRY ELECTRIC FOR REPLACEMENT OF EXISTING TRANSFORMER WITH NEW TRANSFORMER. PROVIDE NEW 600 AMP 120/240 VOLT SERVICE TO EXISTING SITES 29-57 AND PROVIDE NEW 50 AMP SERVICES TO EXISTING SITES 1-28. PROVIDE NEW 50 AMP PEDESTAL FOR SITES 1-48, HYPOWER POWERPORT RV OR APPROVED, COMPLETE WITH WEATHER BASE, POWERSNAP PANEL WITH BREAKERS, 50 AMP, 30 AMP AND 20 AMP GFCI RECEPTACLES, CAP WITH LIGHT. PROVIDE 24"x24"x4" CONCRETE PAD FOR MOUNTING. ROUTE CABLE TELEVISION THROUGH PEDESTAL. MAINTAIN EXISTING CIRCUIT TO SITES 49-57, PROVIDE NEW BREAKER IN NEW SERVICE PANEL.
- ⑥ CONTRACTOR TO COORDINATE WITH COOS CURRY ELECTRIC FOR REPLACEMENT OF EXISTING TRANSFORMER WITH NEW 167 KVA TRANSFORMER. CONTRACTOR TO COORDINATE WITH COOS CURRY ELECTRIC TO PROVIDE NEW 600 AMP 120/240 VOLT SERVICE TO 25 EXISTING SITES 1-28. PROVIDE 125 AMP AND 150 AMP BREAKERS TO MAINTAIN EXISTING 30 AMP SERVICES TO SITES 1-12 AND 17-28. CONTRACTOR RESPONSIBLE FOR PROVIDING NEW CONDUCTORS FROM NEW GEAR TO EXISTING PEDESTALS AT SITES 17 AND 12. FIELD VERIFY CIRCUITING PRIOR TO ROUGH IN. CONTRACTOR TO PROVIDE 200 AMP 120/240 VOLT SINGLE PHASE CIRCUIT FROM SERVICE TO NEW SHOWER BUILDING. (3) 250 MCM (1) #2 ALUMINUM IN 3" CONDUIT. VERIFY CIRCUIT SIZE AND LOCATION OF PANEL IN SHOWER BUILDING WITH BUILDING MANUFACTURER PRIOR TO ROUGH IN.
- ⑦ ALTERNATE #4: CONTRACTOR TO PROVIDE NEW 400 AMP 240/120 VOLT SERVICE TO LAUNDRY BUILDING PER E1.2. CONTRACTOR TO PROVIDE 200 AMP 240/120 VOLT SINGLE PHASE CIRCUIT FROM LAUNDRY BUILDING TO NEW SHOWER BUILDING. (3) 250MCM (1) #2 ALUMINUM IN 3" CONDUIT. VERIFY CIRCUIT SIZE AND LOCATION OF PANEL IN SHOWER BUILDING WITH BUILDING MANUFACTURER PRIOR TO ROUGH IN. SEE 1/E1.2.
- ⑧ ALTERNATE #1: PROVIDE NEW 50 AMP SERVICES TO 28 EXISTING SITES 78-103. PROVIDE NEW 50 AMP PEDESTAL, HYPOWER POWERPORT RV OR APPROVED, COMPLETE WITH WEATHER BASE, POWERSNAP PANEL WITH BREAKERS, 50 AMP, 30 AMP AND 20 AMP GFCI RECEPTACLES, CAP WITH LIGHT. PROVIDE 24"x24"x4" CONCRETE PAD FOR MOUNTING. CONTRACTOR TO MAINTAIN CIRCUITS SERVING OTHER SERVICES. ROUTE CABLE TELEVISION THROUGH PEDESTAL. COORDINATE WITH COOS CURRY ELECTRIC FOR NEW 167 KVA TRANSFORMER.



1 SITE ELECTRICAL PLAN  
SCALE: 1/8" = 1'-0"

GENERAL NOTES

- UNLESS OTHERWISE NOTED 120 VOLT 20 AMP BRANCH CIRCUITS SHALL BE (2) #12 THHN, (1) #12 GRND, 1/2" CONDUIT OR IN MC CABLE.
- CONTRACTOR TO VERIFY LOCATIONS OF EQUIPMENT AND DEVICES WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH IN.
- CONTRACTOR TO FIELD VERIFY CIRCUITS PRIOR TO DEMOLITION.
- CONTRACTOR TO PROVIDE PERMANENT, TYPE WRITTEN PANEL SCHEDULES.
- CONTRACTOR TO COORDINATE INSTALLATION OF NEW ELECTRICAL COMPONENTS AND DEVICES WITH GENERAL CONTRACTOR. ALL NEW CONDUIT, BOXES AND COMPONENTS TO BE CONCEALED IN WALLS WHERE POSSIBLE. ALL EXPOSED EQUIPMENT AND WIRING TO BE STRAIGHT AND TRUE TO THE STRUCTURE AND INSTALLED IN RIGID CONDUIT.
- CONTRACTOR TO COORDINATE ELECTRICAL REQUIREMENTS WITH PLUMBING CONTRACTOR.
- CONTRACTOR TO FIELD LOCATE CIRCUITS TO EXISTING POLE LIGHTS, CONTRACTOR TO MAINTAIN POWER TO EXISTING POLE LIGHTS THROUGH EXISTING OR REPLACED PANELS.
- CONTRACTOR TO PROVIDE A STAINLESS STEEL STRUT AND BACKBOARD SYSTEM WITH POST EMBEDDED IN CONCRETE TO SUPPORT PANELS, METER BASES, AND OTHER ELECTRICAL COMPONENTS. CONTRACTOR TO KEEP EQUIPMENT ABOVE FLOOD ELEVATION AND WITHIN NEC, STATE AND COOS CURRY ELECTRICAL REQUIREMENTS.

BASE BID:  
CONTRACTOR TO COORDINATE WITH COOS CURRY ELECTRIC TO REMOVE EXISTING TRANSFORMERS NEXT TO EXISTING SHOWER BUILDING. SEE SHEET E1.0. REMOVE EXISTING ELECTRICAL FROM EXISTING SHOWER BUILDING AND ELECTRICAL SERVING EXISTING SITES 84-73. COORDINATE INSTALLATION OF NEW 167KVA TRANSFORMER, WITH COOS CURRY ELECTRIC ACROSS THE ROAD BETWEEN SITES 30-32. SEE ARCHITECTURAL PLANS FOR LOCATION. CONTRACTOR TO FIELD LOCATE EXISTING 4" CONDUIT (FIELD VERIFY), ROUTE TO NEW TRANSFORMER LOCATION. CONTRACTOR TO PROVIDE NEW METER BASE WITH 600 AMP 120/240 VOLT SINGLE PHASE PANEL AS SHOWN TO SERVE 10 NEW SITES, 10 EXISTING SITES. PROVIDE NEW 50 AMP PEDESTALS AS CALLED OUT FOR THE 20 SITES.

CONTRACTOR TO REMOVE GEAR FROM EXISTING ELECTRICAL SHED NEAR EXISTING SITE 87A. PROVIDE NEW METER BASE WITH 600 AMP 120/240 VOLT SINGLE PHASE PANEL AS SHOWN TO SERVE EXISTING SITES 78-103, PROVIDE (3) NEW 125 AMP 2 POLE BREAKERS AND (1) 40 AMP 2 POLE BREAKER TO REPLACE EXISTING. MAINTAIN EXISTING CONDUIT, CONDUCTORS AND PEDESTALS AT EXISTING SITES. PROVIDE PANEL SCHEDULE WITH NEW SITE NUMBERING, RELOCATE TRANSFORMER AND GEAR TO NEW LOCATION PER ARCHITECTURAL PLANS. CONTRACTOR RESPONSIBLE FOR CONDUCTORS FROM NEW SERVICE LOCATION TO FIRST PEDESTAL ON CIRCUIT.

CONTRACTOR TO COORDINATE THE REMOVAL OF THE EXISTING 200 AMP SERVICE SERVING SITES 1-28 WITH COOS CURRY ELECTRIC. COORDINATE THE INSTALLATION OF A NEW METER BASE WITH 600 AMP 120/240 VOLT SINGLE PHASE PANEL AS SHOWN TO SERVE EXISTING SITES 1-28. PROVIDE 125 AMP AND 150 AMP BREAKERS TO CIRCUIT EXISTING 30 AMP PEDESTALS FROM NEW SERVICE FOR SITES 1-28.

CONTRACTOR TO COORDINATE RELOCATION/ REPLACEMENT OF EXISTING TRANSFORMERS WITH COOS CURRY ELECTRIC. PROVIDE VAULT/PAD AS REQUIRED BY LOCAL UTILITY. FIELD LOCATE EXISTING 4" CONDUIT AND REROUTE TO NEW TRANSFORMER LOCATION. TYPICAL OF (4), CONTRACTOR RESPONSIBLE FOR 200 AMP SERVICE TO BE MAINTAINED TO SITES 29-57 UNDER BASE BID, AND EXTENSION OF CIRCUITS SERVING SITES 78-103.

ALTERNATE BID #1:  
CONTRACTOR TO COORDINATE THE REPLACEMENT OF THE EXISTING TRANSFORMER LOCATED NEAR EXISTING SITE 87A, SEE SHEET E1.0, WITH COOS CURRY ELECTRIC. COORDINATE INSTALLATION OF NEW 167 KVA 120/240 VOLT SINGLE PHASE TRANSFORMER. PROVIDE UPDATED CIRCUITS IN NEW PANEL PROVIDED UNDER BASE BID PER PANEL SCHEDULE SHEET E1.2 TO SERVE SITES 78-103. PROVIDE NEW 50 AMP PEDESTALS FOR SITES 78-103 AS CALLED OUT.

ALTERNATE BID #2  
CONTRACTOR TO COORDINATE THE REMOVAL OF THE EXISTING 200 AMP SERVICE SERVING SITES 29-57 WITH COOS CURRY ELECTRIC. COORDINATE THE INSTALLATION OF A NEW METER BASE WITH 600 AMP 120/240 VOLT SINGLE PHASE PANEL AS SHOWN TO SERVE EXISTING SITES 29-57. PROVIDE NEW 50 AMP PEDESTALS FOR SITES 29-48 AS CALLED OUT. COORDINATE INSTALLATION OF NEW 167KVA TRANSFORMER, WITH COOS CURRY ELECTRIC. PROVIDE UPDATED CIRCUITS IN NEW PANEL PROVIDED UNDER BASE BID PER PANEL SCHEDULE SHEET E1.2 TO SERVE SITES 1-28. PROVIDE NEW 50 AMP PEDESTALS FOR SITES 1-28 AS CALLED OUT.

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EXPIRES 02/21/2028

PORT OF BROOKINGS HARBOR  
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BROOKINGS, OREGON 97415

REVISIONS	Date

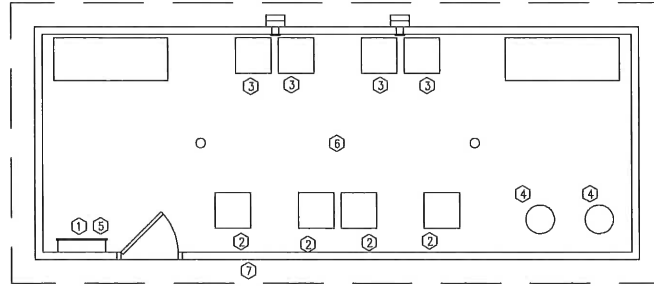
SEPT 2020

PROJECT NO: 19005

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ALTERNATE BID #4

Panel Name: L-1		Panel Amperage: 400	
Voltage & Phase: 120/240-1Ø		Panel A.I.C. Rating: 65kAIC	
Mounting: SURFACE		Other: MCB /	
Description	Bk	Phase	Bk
WASHER	2011	A	2 2012
WASHER	2011	B	4
WASHER	2011	A	6 3012
WASHER	2011	B	8
LAUNDRY BUILDING LIGHTS	2011	A	10 3012
LAUNDRY HOT WATER HEATER	702	B	12
LAUNDRY HOT WATER HEATER	702	A	14 3012
LAUNDRY HOT WATER HEATER	702	B	16
LAUNDRY HOT WATER HEATER	702	A	18 3012
LAUNDRY HOT WATER HEATER	702	B	20
EXTERIOR LIGHTS	2011	A	22
EXTERIOR LIGHTS	2011	B	24
	25	A	28
	27	B	28
	28	A	30
	31	B	30
	32	A	34
	33	B	34
	34	A	38
	35	B	38
	37	A	38
	38	B	40
	41	A	42
	42	B	42



1 ALT. BID #4 LAUNDRY ROOM ELECTRICAL PLAN  
SCALE: 1/4" = 1'-0"

NOTE: CONTRACTOR TO VERIFY AVAILABLE FAULT CURRENT AT TRANSFORMER WITH COOS CURRY ELECTRIC PRIOR TO ORDERING EQUIPMENT.

ALL SERVICE EQUIPMENT TO BE GROUNDED PER NEC 250 WITH GROUND RODS.

Load Codes	VA Load per Phase			Calculations		
	A	B	C	Total VA	Multiplier	VA Load
C = Cooling Only	0	0	0	0	0.00	0
E = Existing Load	0	0	0	0	1.25	0
H = Heating Only	0	0	0	0	0.00	0
K = Kitchen	0	0	0	0	1.00	0
L = Lighting	1500	500	0	1500	1.25	1875
M = Motors	0	0	0	0	1.00	0
O = Other Load	40000	40000	0	81600	1.00	81600
R = Receptacles	0	0	0	0	1.00	0
Load Totals	41800	41300	0	83100	1.00	83475
Total VA Loads	42500	41425	0			
Load Balance	102.7%	95.3%	0.0%			
Total VA of Largest Motor on this Panel				0	0.25	0
VA Load This Panel						83475
Amperage This Panel Per Largest Phase VA						350.4

BASE BID

Panel Name: S (NW)		Panel Amperage: 600	
Voltage & Phase: 120/240-1Ø		Panel A.I.C. Rating: 65kAIC	
Mounting: SURFACE		Other: MCB /	
Description	Bk	Phase	Bk
SITES 58-64	2502	1 A	2 2502
		3 B	4
SITES 65-70	2502	5 A	6
		7 B	8
		9 A	10
		11 B	12

Load Codes	VA Load per Phase			Calculations		
	A	B	C	Total VA	Multiplier	VA Load
C = Cooling Only	0	0	0	0	0.00	0
E = Existing Load	0	0	0	0	1.25	0
H = Heating Only	0	0	0	0	0.00	0
K = Kitchen	0	0	0	0	1.00	0
L = Lighting	0	0	0	0	1.25	0
M = Motors	0	0	0	0	1.00	0
O = Other Load	15000	15000	0	30000	1.00	30000
R = Receptacles	120000	120000	0	240000	0.45	108000
Load Totals	135000	135000	0	270000	0.45	150000
Total VA Loads	65000	65000	0			130000
Load Balance	89.0%	89.0%	0.0%			876.0
Total VA of Largest Motor on this Panel				0	0.25	0
VA Load This Panel						150000
Amperage This Panel Per Largest Phase VA						375.0

ALL FEEDERS SERVING RV SITE PEDESTALS TO BE 350 MCM ALUMINUM WITH 1/0 GROUNDS IN 4" CONDUIT.

Panel Name: S (SW)		Panel Amperage: 600	
Voltage & Phase: 120/240-1Ø		Panel A.I.C. Rating: 65kAIC	
Mounting: SURFACE		Other: MCB /	
Description	Bk	Phase	Bk
SITES 78-83	2502	1 A	2 2502
		3 B	4
SITES 84-90	2502	5 A	6 2502
		7 B	8
		9 A	10
		11 B	12

Load Codes	VA Load per Phase			Calculations		
	A	B	C	Total VA	Multiplier	VA Load
C = Cooling Only	0	0	0	0	0.00	0
E = Existing Load	0	0	0	0	1.25	0
H = Heating Only	0	0	0	0	0.00	0
K = Kitchen	0	0	0	0	1.00	0
L = Lighting	0	0	0	0	1.25	0
M = Motors	0	0	0	0	1.00	0
O = Other Load	0	0	0	0	1.00	0
R = Receptacles	160000	130000	0	290000	0.45	130500
Load Totals	160000	130000	0	290000	0.42	150000
Total VA Loads	60725	54000	0			114725
Load Balance	91.1%	71.4%	0.0%			581.0
Total VA of Largest Motor on this Panel				0	0.25	0
VA Load This Panel						150000
Amperage This Panel Per Largest Phase VA						375.0

ALL FEEDERS SERVING RV SITE PEDESTALS TO BE 350 MCM ALUMINUM WITH 1/0 GROUNDS IN 4" CONDUIT.

METER BASES AND PANEL BOARDS:

PANEL BOARDS TO BE EATON OR APPROVED, TYPE 4X ENCLOSURE, 304 STAINLESS STEEL: WPRL42473-XN, SERVICE ENTRANCE PANEL, SURFACE MOUNTED. 250 AMP BREAKERS NEED TO SUPPORT 350 KCMIL AL.

METER BASES TO BE EATON OR APPROVED, CT RATED WITH TEST SWITCH BYPASS PROVISION, STAINLESS STEEL ENCLOSURE, SURFACE MOUNT. MEETING COOS CURRY ELECTRIC REQUIREMENTS.

Panel Name: S (SE)		Panel Amperage: 600	
Voltage & Phase: 120/240-1Ø		Panel A.I.C. Rating: 65kAIC	
Mounting: SURFACE		Other: MCB /	
Description	Bk	Phase	Bk
SITES 22-28	2502	1 A	2 2502
		3 B	4
SITES 18-21	2502	5 A	6 2502
		7 B	8
		9 A	10 2002
		11 B	12

Load Codes	VA Load per Phase			Calculations		
	A	B	C	Total VA	Multiplier	VA Load
C = Cooling Only	0	0	0	0	0.00	0
E = Existing Load	0	0	0	0	1.25	0
H = Heating Only	0	0	0	0	0.00	0
K = Kitchen	0	0	0	0	1.00	0
L = Lighting	0	0	0	0	1.25	0
M = Motors	0	0	0	0	1.00	0
O = Other Load	0	0	0	0	1.00	0
R = Receptacles	164000	164000	0	328000	0.42	166000
Load Totals	164000	164000	0	328000	0.42	166000
Total VA Loads	68850	68850	0			137700
Load Balance	81.5%	81.5%	0.0%			574.0
Total VA of Largest Motor on this Panel				0	0.25	0
VA Load This Panel						166000
Amperage This Panel Per Largest Phase VA						374.0

ALL FEEDERS SERVING RV SITE PEDESTALS TO BE 350 MCM ALUMINUM WITH 1/0 GROUNDS IN 4" CONDUIT.

Panel Name: S (NE)		Panel Amperage: 600	
Voltage & Phase: 120/240-1Ø		Panel A.I.C. Rating: 65kAIC	
Mounting: SURFACE		Other: MCB /	
Description	Bk	Phase	Bk
SITES 67-69	1502	1 A	2 2502
		3 B	4
SITES 42-48	2502	5 A	6 2502
		7 B	8
		9 A	10
		11 B	12

Load Codes	VA Load per Phase			Calculations		
	A	B	C	Total VA	Multiplier	VA Load
C = Cooling Only	0	0	0	0	0.00	0
E = Existing Load	0	0	0	0	1.25	0
H = Heating Only	0	0	0	0	0.00	0
K = Kitchen	0	0	0	0	1.00	0
L = Lighting	0	0	0	0	1.25	0
M = Motors	0	0	0	0	1.00	0
O = Other Load	0	0	0	0	1.00	0
R = Receptacles	164000	164000	0	328000	0.42	166000
Load Totals	164000	164000	0	328000	0.42	166000
Total VA Loads	68850	68850	0			137700
Load Balance	81.5%	81.5%	0.0%			574.0
Total VA of Largest Motor on this Panel				0	0.25	0
VA Load This Panel						166000
Amperage This Panel Per Largest Phase VA						374.0

ALL FEEDERS SERVING RV SITE PEDESTALS TO BE 350 MCM ALUMINUM WITH 1/0 GROUNDS IN 4" CONDUIT.

1/E-1.2 ALTERNATE BID #4 LAUNDRY BUILDING ELECTRICAL NOTES

- CONTRACTOR TO PROVIDE NEW 120/240 VOLT SINGLE PHASE 400 AMP SERVICE TO LAUNDRY BUILDING, COORDINATE WITH COOS CURRY ELECTRIC.
- PROVIDE DEDICATED 120 VOLT 20 AMP RECEPTACLE FOR WASHER, CIRCUIT PER PANEL SCHEDULE THIS SHEET.
- PROVIDE 240 VOLT 30 AMP CIRCUIT TO DRYER, CIRCUIT THROUGH PANEL L-1, REFER TO PANEL SCHEDULE THIS SHEET. (3) #10 THHN CU (1) #10 CU GROUND IN 3/4" CONDUIT. PROVIDE RECEPTACLE TO MATCH DRYER, COORDINATE WITH MECHANICAL CONTRACTOR.
- PROVIDE 240 VOLT 70 AMP CIRCUIT TO HOT WATER HEATER, CIRCUIT THROUGH PANEL L-1, REFER TO PANEL SCHEDULE THIS SHEET. (3) #4 THHN CU (1) #8 CU GROUND IN 1-1/2" CONDUIT.
- CONTRACTOR TO PROVIDE 240 VOLT 200 AMP CIRCUIT TO NEW SHOWER BUILDING. VERIFY REQUIREMENTS WITH BUILDING MANUFACTURER PRIOR TO ROUGH IN. (3) 250 MCM (1) #2 AL IN 3" CONDUIT.
- CONTRACTOR TO PROVIDE LIGHTING PER SPECIFICATIONS. SURFACE MOUNT, WET LOCATION, VANDAL RESISTANT. LED FIXTURES TO MATCH RESTROOM/SHOWER BUILDING, MINIMUM 30 FOOT CANDLES AT FLOOR, PROVIDE CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSORS FOR COMPLETE ROOM COVERAGE.
- CONTRACTOR TO PROVIDE EXTERIOR LIGHTING FIXTURES ON BUILDING (REFER TO ARCHITECTURAL PLANS FOR LOCATIONS). MATCH FIXTURES ON RESTROOM/SHOWER BUILDING. CIRCUIT THROUGH PHOTOEYE FOR DUSK TILL DAWN OPERATION.

121 WEST CENTRAL AVENUE  
SUITE 800  
CORVALLIS, OREGON 97331  
TEL: (503) 938-8888  
WWW.COOSBJ.COM

CRW/CURRY & ASSOCIATES INC.  
ARCHITECTURE AND PLANNING  
LAND USE AND INTERIORS



PROPOSED 9/21/2020

PORT OF BROOKINGS HARBOR  
RV PARK -  
BOAT BASIN ROAD  
BROOKINGS, OREGON 97415

REV#	DATE	REVISION

SEPT 2020  
PROJECT NO: 19005

E1.2



**CROW/CLAY & ASSOCIATES INC.**  
 ARCHITECTURE AND PLANNING  
 LAND USE AND INTERIORS

October 13, 2020

Beachfront RV Park  
 Construction Estimate

Basic Bid

Demolition/Grading	\$ 45,534.00
RV Slabs - 10 each	\$ 15,840.00
Trenching	\$ 4,500.00
Restroom/Shower	\$240,000.00
Plumbing	\$ 85,000.00
Electrical	\$105,000.00
Sidewalks	\$ 14,400.00
	<u>\$510,274.00</u>
Increase for Prevailing wage @ 5%	1.05
	<u>\$535,788.00</u>
Contractor - General Conditions 10%, Overhead 5% and Profit 8%	1.23
	<u>\$659,019.00</u>
Location & Estimating Contingency @ 10%	1.10
	<u>\$724,920.00</u>
Alternate Bid #1 - ELEGANT UPGRADES 7B THRU 103	\$123,422.00
Alternate Bid #2 " " 1-6, 9-27 + 32-48	\$275,741.00
Alternate Bid #3 2 EACH TRASH ENCLOSURES	\$ 40,000.00
Alternate Bid #4 LAUNDRY BUILDING	\$350,000.00