









January 21, 2017 Storm Damage







PORT OF BROOKINGS HARBOR

BASIN 2 DOCK REPAIRS

Issue #	CIP Rank	Description of Condition	Priority	Option 1	Estimated Cost	Option 2	Estimated Cost	Option 3	Estimated Cost	Funds Available Y/N
31	11	Basin 2 - Commercial Dock repairs	2	Repair broken docks	250,000	Replace with new docks	1,000,000			No
32	11	Basin 2 - Commercial Sport Dock repairs	2	Repair broken docks	300,000	Replace with new docks	1,000,000			No
Board meeting 02-26-2019 Decision										

Port Staff Recommendation:

Option 2 if funding happens before repairs are needed.

Option 1 Possible Funding Source:

- 1) Port General Fund
- 2) FEMA PDM 2022
- 3) Business Oregon Loan - Special Public Works Fund or County Road Fund Loan
- 4) State Lottery Fund 2021 (2023)

Option 2 Possible Funding Source:

- 1) Port General Fund
- 2) FEMA PDM 2022
- 3) Business Oregon Loan - Special Public Works Fund or County Road Fund Loan
- 4) State Lottery Fund 2021 (2023)

Temporary measures Port has taken to reduce environmental and safety issues:

- 1) Closed dock fingers until repairs can be made.
- 2) Making repairs when necessary.



104

501



501





107

PORT OF BROOKINGS HARBOR

REPLACE PORT BUILDING ROOFS

Issue #	CIP Rank	Description of Condition	Priority	Option 1	Estimated Cost	Option 2	Estimated Cost	Option 3	Estimated Cost	Funds Available Y/N
36	18	Repair Kite Field Restrooms and Upgrade	1	Install new roof	10,000					No
51	18	Repair roofs and repaint all restrooms	1	Install new roof	10,000					No
64		Replace Pacific Ocean Harvester Roof		Install new roof	25,000					No
Board meeting 02-26-2019 Decision										

Port Staff Recommendation:

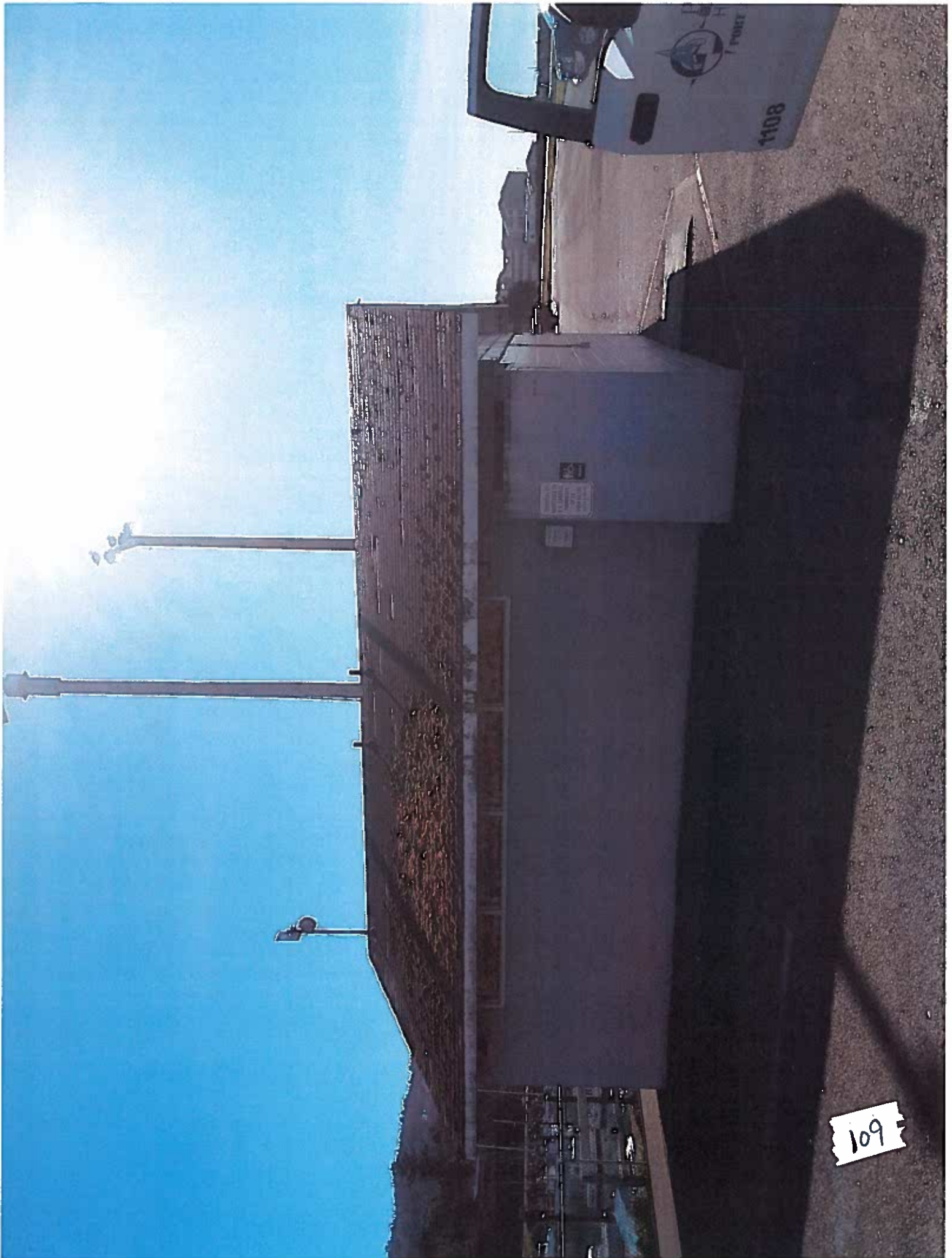
Option 1

Option 1 Possible Funding Source:

- 1) Port General Fund

Temporary measures Port has taken to reduce environmental and safety issues:

- 1) Making repairs when necessary.



109

1108

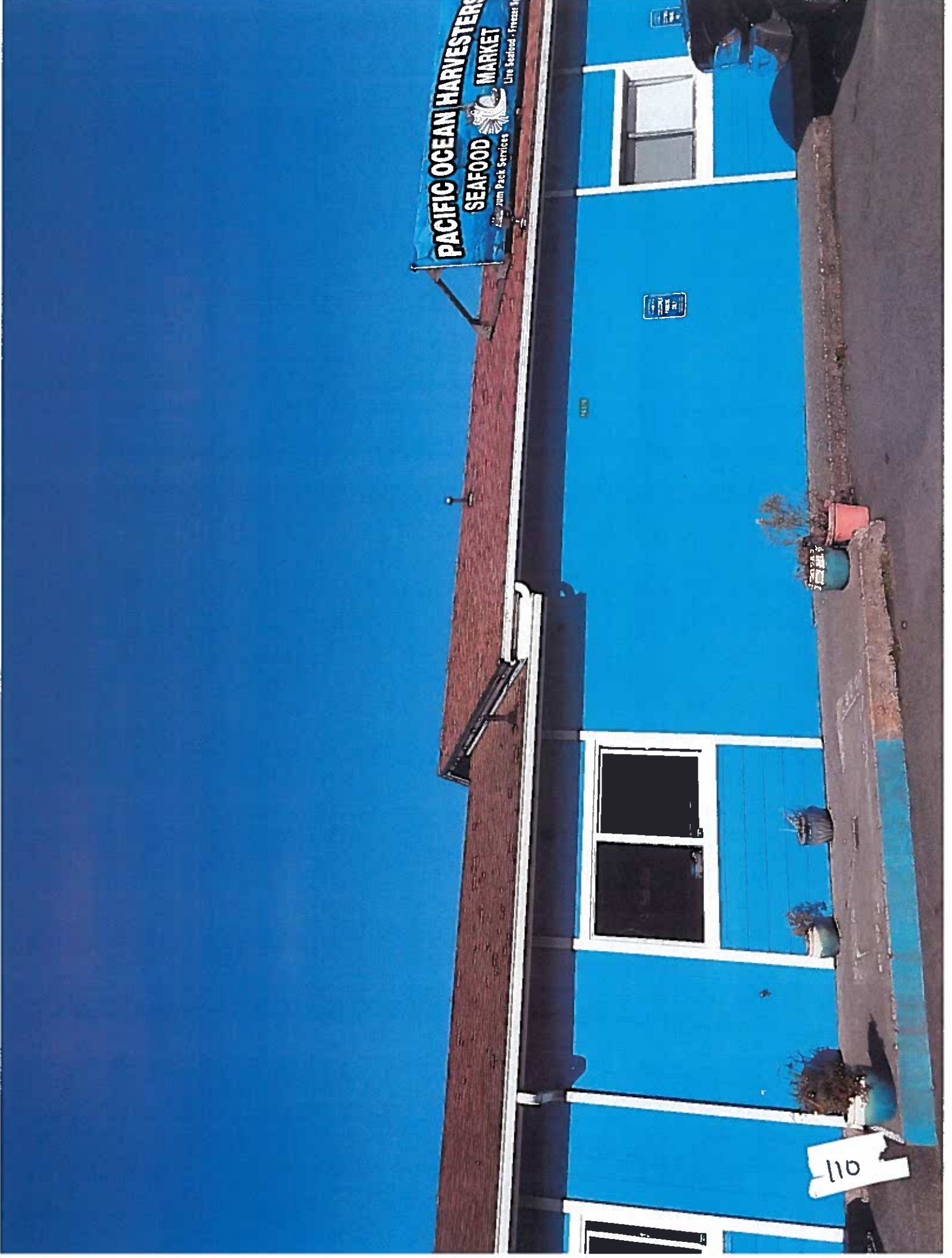


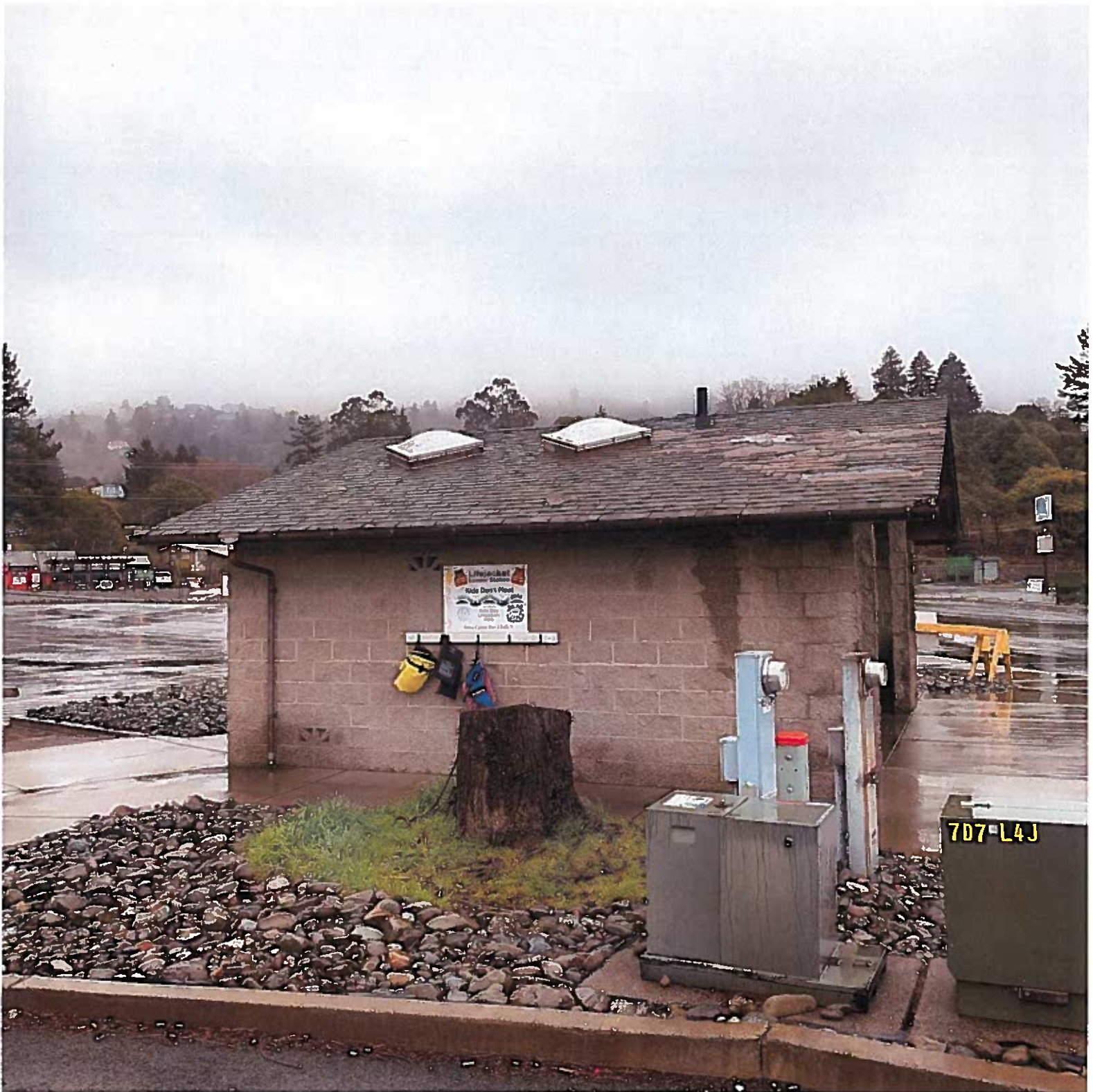
PACIFIC OCEAN HARVESTERS
SEAFOOD MARKET
Live Seafood • Frozen Seafood
2000 Pack Services

4478

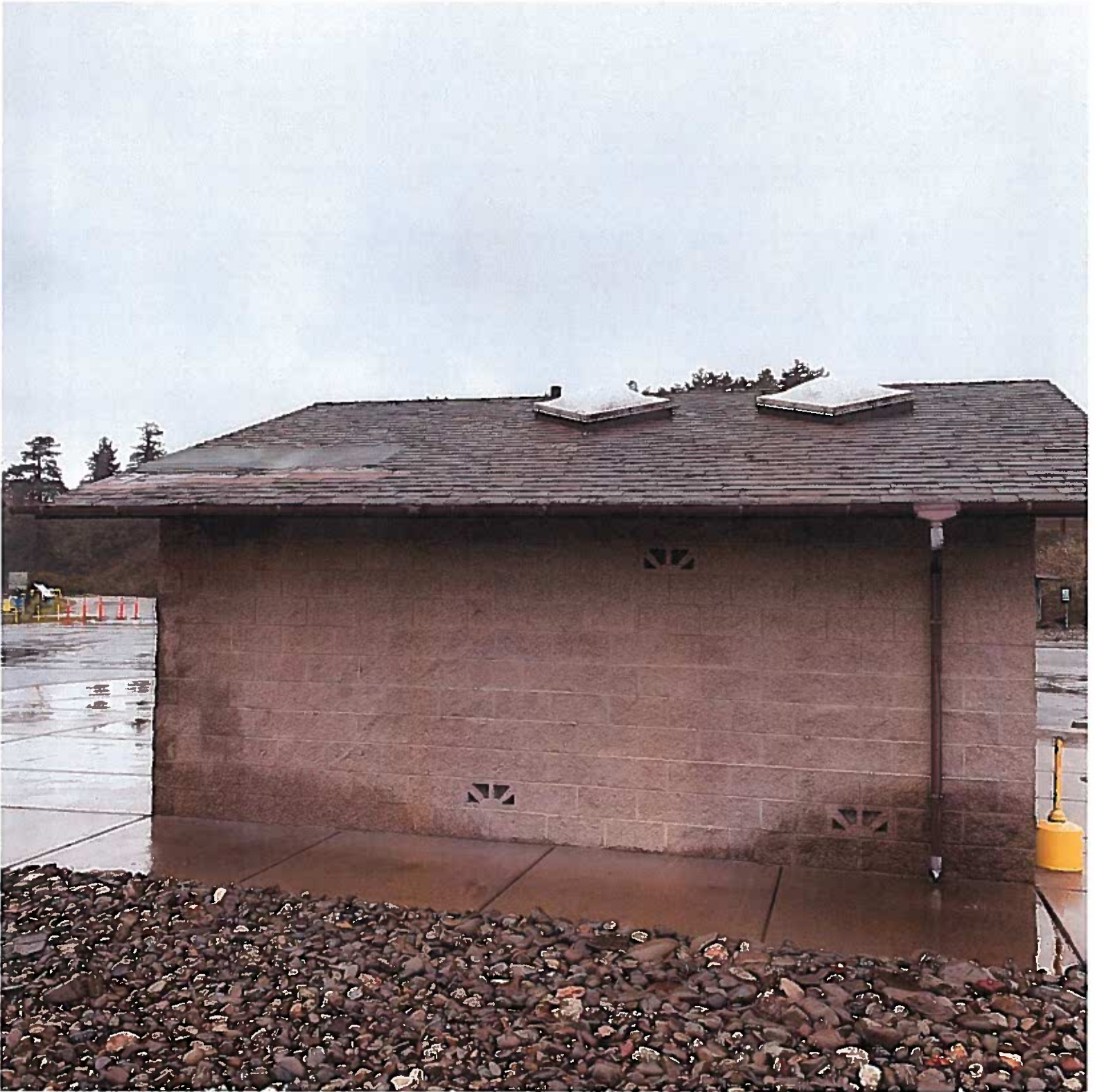
NO PARKING
FIRE DEPARTMENT

110





7D7-L4J



112

PORT OF BROOKINGS HARBOR

REBUILD WATERLINE SYSTEMS

Issue #	CIP Rank	Description of Condition	Priority	Option 1	Estimated Cost	Option 2	Estimated Cost	Option 3	Estimated Cost	Funds Available Y/N
38		Replace worn out backflow device, valves and piping at Boat Launch	1	Replace existing backflow device and build per standards	4,000					Yes
39		Replace worn out backflow device, valves and piping at Retail Center	1	Replace existing backflow device and build per standards	5,000					Yes
40		Replace worn out backflow device, valves and piping at RV Park	1	Replace existing backflow device and build per standards	5,000					Yes
42		Replace backflow device, valves and piping at Commercial Basin	1	Replace existing backflow device and build per standards	5,000					Yes
Board meeting 02-26-2019										
Decision										

Port Staff Recommendation:

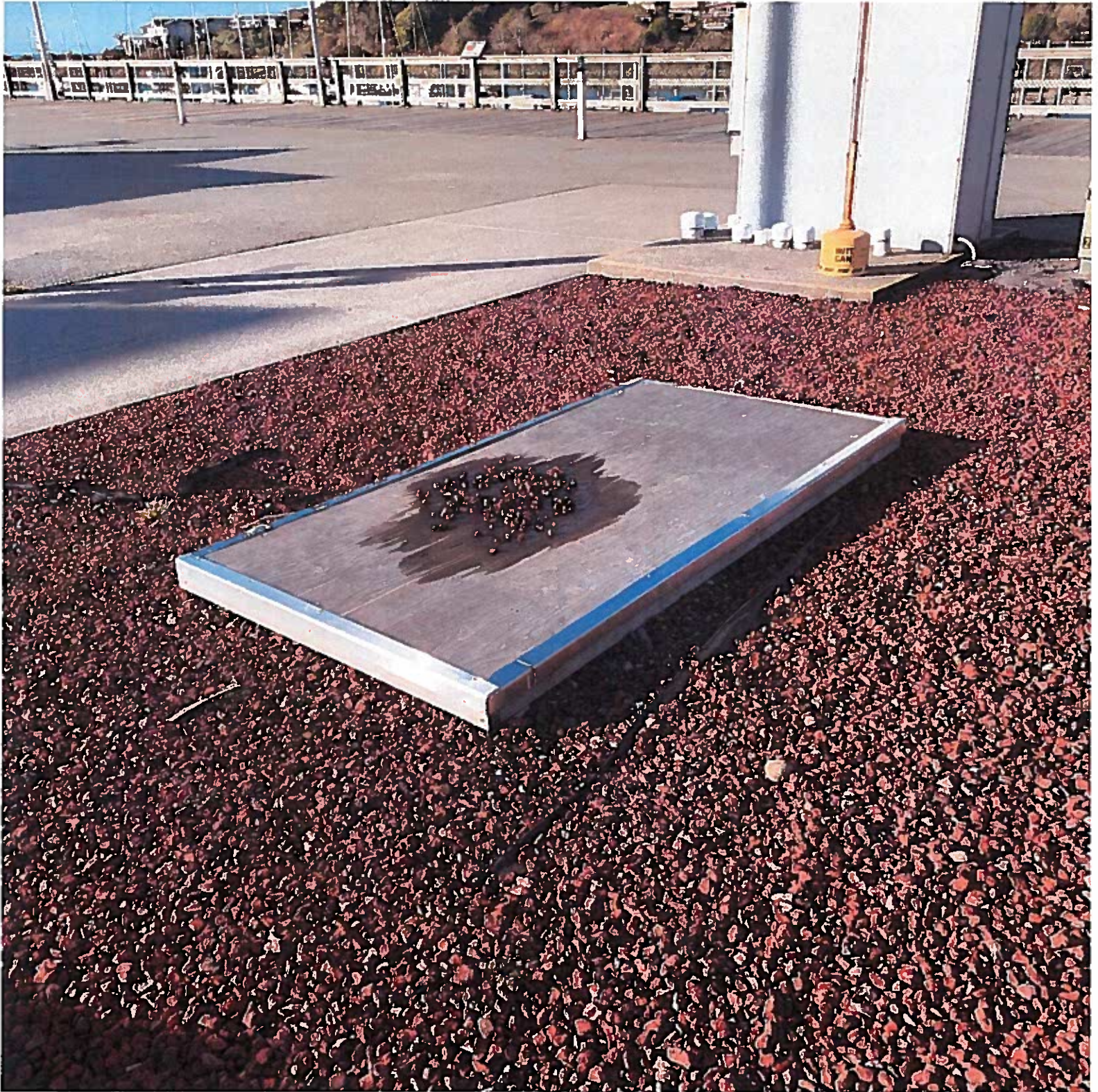
Option 1

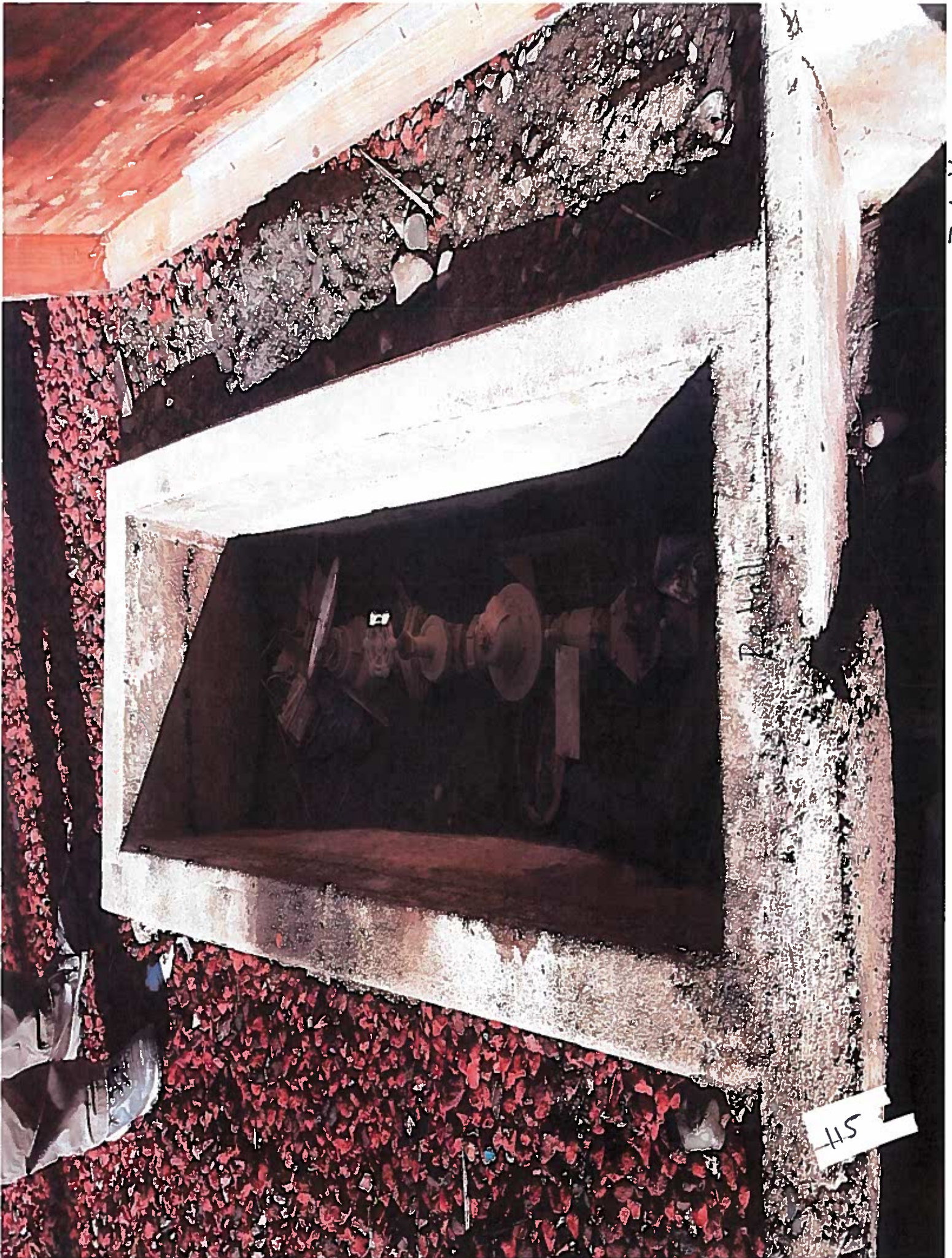
Option 1 Possible Funding Source:

- 1) Port General Fund

Temporary measures Port has taken to reduce environmental and safety issues:

- 1) Making repairs when necessary.





45

D. 4. 1

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RV PARK



BOAT LAUNCH





Commercial Basin

118

1. PROVIDE AN USC APPROVED BACKFLOW PREVENTION ASSEMBLY AS DESIGNATED BY EIMWD APPROVED MATERIALS LIST SPECIFICATIONS.
 2. EIMWD MAINTENANCE RESPONSIBILITY STOPS AT THE METER. THE CUSTOMER IS RESPONSIBLE TO TEST AND MAINTAIN THE BACKFLOW PREVENTION ASSEMBLY IN ACCORDANCE WITH EIMWD ORD. 89
 3. ONLY RIVERSIDE COUNTY CERTIFIED BACKFLOW TESTERS LISTED ON THE EIMWD APPROVED BACKFLOW TESTER LIST ARE ALLOWED TO TEST BACKFLOW ASSEMBLIES WITHIN EIMWD SERVICE AREA.
 4. BACKFLOW CERTIFICATION TESTING IS REQUIRED ANNUALLY AT A MINIMUM BUT MAY BE MORE FREQUENT AS DEEMED NECESSARY BY EIMWD. CERTIFICATION TESTING IS REQUIRED IMMEDIATELY AFTER AN ASSEMBLY IS RELOCATED, REPAIRED, NEW INSTALLATION ACCEPTANCE AND WATER DELIVERY PER EIMWD ORD. 89 PRIOR TO NEW INSTALLATION ACCEPTANCE AND WATER DELIVERY.
 5. BACKFLOW PREVENTION ASSEMBLY SIZE SHALL MATCH THE DIAMETER OF THE METER IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE, CHAPTER 8, SECTION 810 AS AMENDED, PER TABLE "A", OR AS APPROVED BY EIMWD.
 6. BACKFLOW PREVENTION ASSEMBLY INSTALLATIONS INCLUDING ALL APPURTENANCES FOR THE SUPPLY OF DOMESTIC WATER SHALL COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA LEAD-FREE ACT A91853
 7. BACKFLOW PREVENTION ASSEMBLIES SHALL BE LOCATED AS CLOSE AS PRACTICAL TO THE WATER METER BOX BUT NOT FURTHER THAN 3 FEET UNLESS A VARIANCE IS OBTAINED FROM AN EIMWD CROSS-CONNECTION SPECIALIST PRIOR TO INSTALLATION.
 8. NO OUTLETS, TEES, OR CONNECTIONS SHALL BE ALLOWED BETWEEN THE METER AND THE BACKFLOW PREVENTION ASSEMBLY.
 9. BACKFLOW PREVENTION ASSEMBLIES SHALL MAINTAIN A VERTICAL CLEARANCE FROM THE LOWEST POINT OF 12 INCHES (MINIMUM) TO 36 INCHES (MAXIMUM) ABOVE FINISHED GRADE, WITH SIDE AND TOP CLEARANCES OF 12 INCHES (MINIMUM) FROM ANY OBSTRUCTIONS IN ALL DIRECTIONS.
 10. POLYETHYLENE ENCASUREMENT SHALL BE INSTALLED PER ANSHAWWA C105A21.5 REQUIREMENTS HIGH-DENSITY POLYETHYLENE (HDPE) SHALL BE A MINIMUM OF .004 (4 MIL) THICKNESS. LOW-DENSITY POLYETHYLENE (LDPE) SHALL BE A MINIMUM OF .008 (8 MIL) THICKNESS.
- RECOMMENDATIONS:**
11. PARALLEL INSTALLATIONS OF THE SAME TYPE OF BACKFLOW PREVENTION ASSEMBLIES ARE STRONGLY RECOMMENDED FOR ALL FACILITIES REQUIRING UNINTERRUPTED WATER SUPPLY, SUCH AS, HOSPITALS AND SCHOOLS.
 12. FREEZE PROTECTION IS RECOMMENDED, BUT THE RELIEF VALVE MUST BE ABLE TO VENT FREELY AND TESTCOCK OPENINGS SHALL BE LEFT EXPOSED.
 13. THEFT PREVENTION DEVICES ARE STRONGLY RECOMMENDED FOR BRONZE ASSEMBLIES ALLOWING ADEQUATE ACCESS TO THE ASSEMBLY FOR TESTING, MAINTENANCE, AND PROPER DRAINAGE.

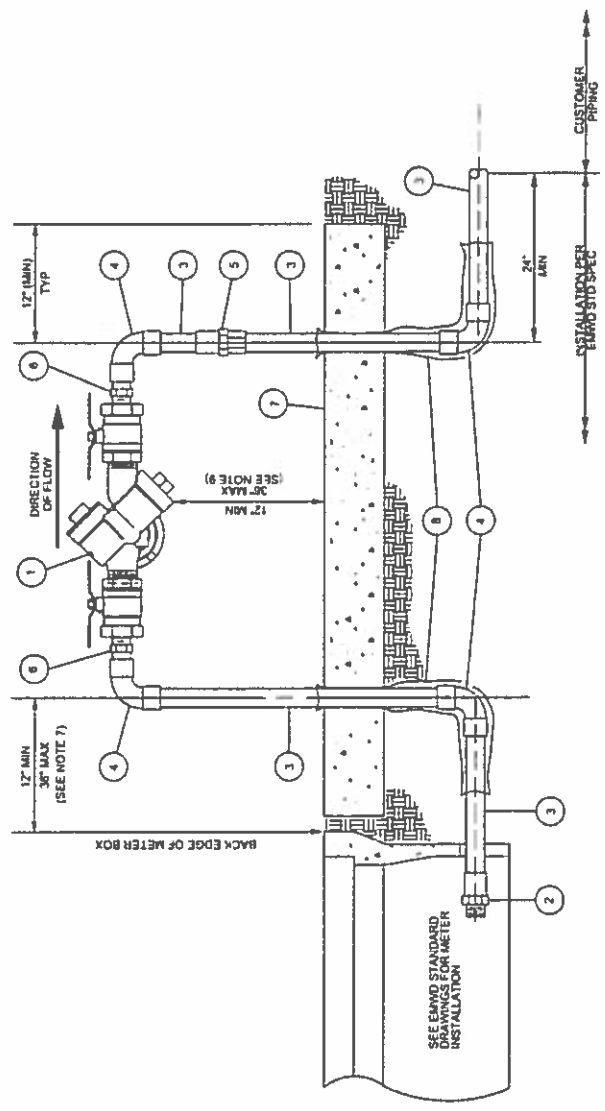


TABLE "A" Δ

METER SIZE	BACKFLOW SIZE
1/2" MULTILET (15 GPM)	1/2"
3/4" MULTILET (20 GPM)	3/4"
1" MULTILET (30 GPM)	1"
1 1/2" MULTILET (75 GPM)	1 1/2"
2" MULTILET (120 GPM)	2"

ITEM	DESCRIPTION
1	3/4" THRU 2" REDUCED PRESSURE BACKFLOW PREVENTER WITH VALVES
2	COPPER ADAPTER, COPPER SOLDER JOINT - MALE IPT
3	COPPER WATER TUBE, TYPE L HARD OR BRASS
4	COPPER 90° ELBOW WITH COPPER SOLDER JOINTS
5	COPPER UNION WITH COPPER SOLDER JOINTS
6	COPPER ADAPTER, MALE SOLDER - MALE IPT
7	18" WIDE x 4" THICK CONCRETE PAD, LENGTH VARIES PER SIZE
8	POLYETHYLENE ENCASUREMENT (SEE NOTE 10)



EASTERN MUNICIPAL WATER DISTRICT
STANDARD DRAWING
 REDUCED PRESSURE
 BACKFLOW PREVENTER
 ASSY FOR SIZES 3/4" THROUGH 2"

APPROVALS

NEW BUSINESS	DATE
1/18	3/21/11
MAINTENANCE	DATE
1/11	3/21/11
INSPECTION	DATE
1/11	6/11/11
OPERATIONS	DATE
1/11	5/28/11
SUBMITTED	DATE
1/11	5/22/11

RECOMMENDED *Joe Mottawad*
 DIRECTOR OF ENGINEERING 8/21/11 DATE

SCALE: NONE
 DRAWN BY GS
 FILE I.D.: \\vausheng\gsdhw\gs\B-597A.dgn

APPROVED *Charles Buchmann*
 ASSISTANT GENERAL MANAGER 8/21/11 DATE

B-597A

1. PROVIDE AN USC APPROVED BACKFLOW PREVENTION ASSEMBLY AS DESIGNATED BY EMWD APPROVED MATERIALS LIST SPECIFICATIONS

2. EMWD MAINTENANCE RESPONSIBILITY STOPS AT THE METER. THE CUSTOMER IS RESPONSIBLE TO TEST AND MAINTAIN THE BACKFLOW PREVENTION ASSEMBLY IN ACCORDANCE WITH EMWD ORD 69 BACKFLOW TESTER LIST ARE ALLOWED TO TEST BACKFLOW ASSEMBLIES WITHIN EMWD SERVICE AREA.

3. ONLY RIVERSIDE COUNTY CERTIFIED BACKFLOW TESTERS LISTED ON THE EMWD APPROVED BACKFLOW TESTER LIST ARE ALLOWED TO TEST BACKFLOW ASSEMBLIES WITHIN EMWD SERVICE AREA. BACKFLOW CERTIFICATION TESTING IS REQUIRED ANNUALLY AT A MINIMUM BUT MAY BE MORE FREQUENT AS DEEMED NECESSARY BY EMWD. CERTIFICATION TESTING IS REQUIRED IMMEDIATELY AFTER AN ASSEMBLY IS RELOCATED, REPAIRED, NEW INSTALLATION ACCEPTANCE AND WATER DELIVERY PER EMWD ORD 69 PRIOR TO NEW INSTALLATION ACCEPTANCE AND WATER DELIVERY.

4. BACKFLOW PREVENTION ASSEMBLY SIZE SHALL MATCH THE DIAMETER OF THE METER IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE, CHAPTER 6, SECTION 610 AS AMENDED, PER TABLE "A", OR AS APPROVED BY EMWD.

5. BACKFLOW PREVENTION ASSEMBLY INSTALLATIONS INCLUDING ALL APPURTENANCES FOR THE SUPPLY OF DOMESTIC WATER SHALL COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA LEAD-FREE ACT AB1863.

6. BACKFLOW PREVENTION ASSEMBLIES SHALL BE LOCATED AS CLOSE AS PRACTICAL TO THE WATER METER BOX BUT NOT FURTHER THAN 3 FEET UNLESS A VARIANCE IS OBTAINED FROM AN EMWD CROSS-CONNECTION SPECIALIST PRIOR TO INSTALLATION.

7. NO OUTLETS, TEES, OR CONNECTIONS SHALL BE ALLOWED BETWEEN THE METER AND THE BACKFLOW PREVENTION ASSEMBLY.

8. BACKFLOW PREVENTION ASSEMBLIES SHALL MAINTAIN A VERTICAL CLEARANCE FROM THE LOWEST POINT OF 12 INCHES (MINIMUM) TO 36 INCHES (MAXIMUM) ABOVE FINISHED GRADE, WITH SIDE AND TOP CLEARANCES OF 12 INCHES (MINIMUM) FROM ANY OBSTRUCTIONS IN ALL DIRECTIONS.

9. POLYETHYLENE ENCASEMENT SHALL BE INSTALLED PER ANSHAWWA C105/AQ1.5 REQUIREMENTS HIGH-DENSITY POLYETHYLENE (HDPE) SHALL BE A MINIMUM OF .004 (4 MIL) THICKNESS LOW-DENSITY POLYETHYLENE (LLDPE) SHALL BE A MINIMUM OF .008 (8 MIL) THICKNESS.

RECOMMENDATIONS:

10. PARALLEL INSTALLATIONS OF THE SAME TYPE OF BACKFLOW PREVENTION ASSEMBLIES ARE STRONGLY RECOMMENDED FOR ALL FACILITIES REQUIRING UNINTERRUPTED WATER SUPPLY, SUCH AS, HOSPITALS AND SCHOOLS.

11. FREEZE PROTECTION IS RECOMMENDED, BUT THE RELIEF VALVE MUST BE ABLE TO VENT FREELY AND TESTCOCK OPENINGS SHALL BE LEFT EXPOSED.

12. THEFT PREVENTION DEVICES ARE STRONGLY RECOMMENDED FOR BRONZE ASSEMBLIES ALLOWING ADEQUATE ACCESS TO THE ASSEMBLY FOR TESTING, MAINTENANCE, AND PROPER DRAINAGE.

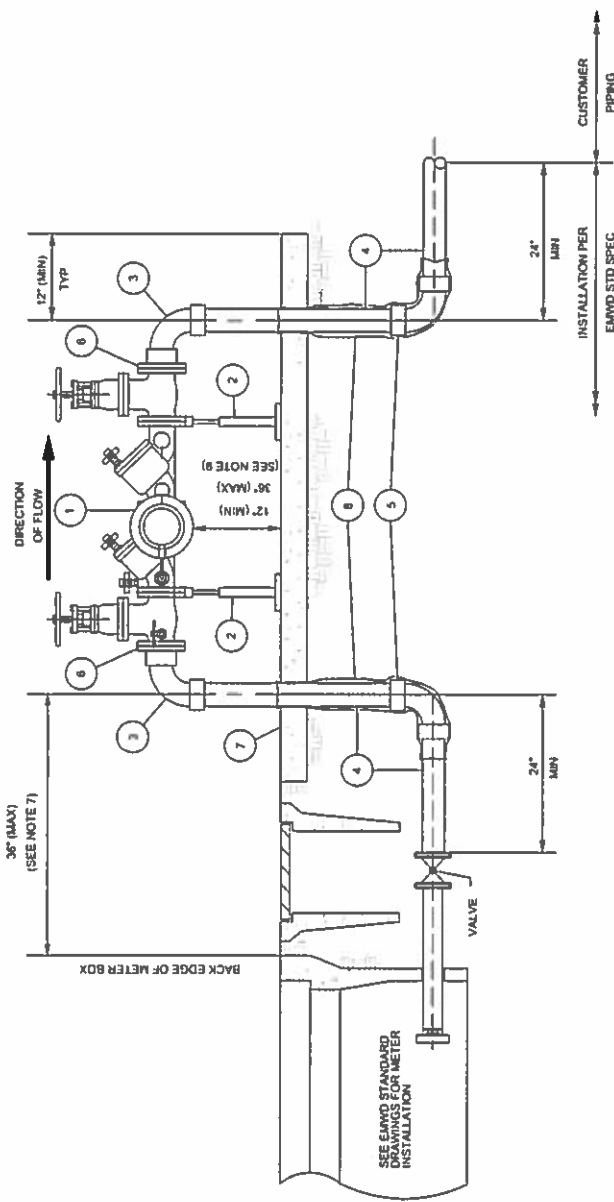


TABLE "A" A A

Table with 2 columns: METER SIZE and BACKFLOW SIZE. Rows include 2" SENSIUS C2 (180 GPM) and 2" SENSIUS T2 (200 GPM).

Table with 2 columns: ITEM and DESCRIPTION. Lists parts like 2-1/2" AND 3" REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY WITH VALVES, ADJUSTABLE PIPE SUPPORT, etc.

REVISIONS

Table for revisions with columns: NO, DATE, INITIAL, APPD, DATE, DESCRIPTION. Includes entries for GS, meter type, and data.

APPROVALS

Table for approvals with columns: INITIAL, DATE. Includes entries for New Business, Maintenance, Inspection, Operations, and Submitted.



EASTERN MUNICIPAL WATER DISTRICT STANDARD DRAWING

REDUCED PRESSURE BACKFLOW PREVENTER ASSY FOR SIZES 2 1/2" THROUGH 3"

REFERENCES: FILE I.D. : vaashfmg/addrwgs-B-597B.dgn

SCALE: NONE

DRAWN BY GS

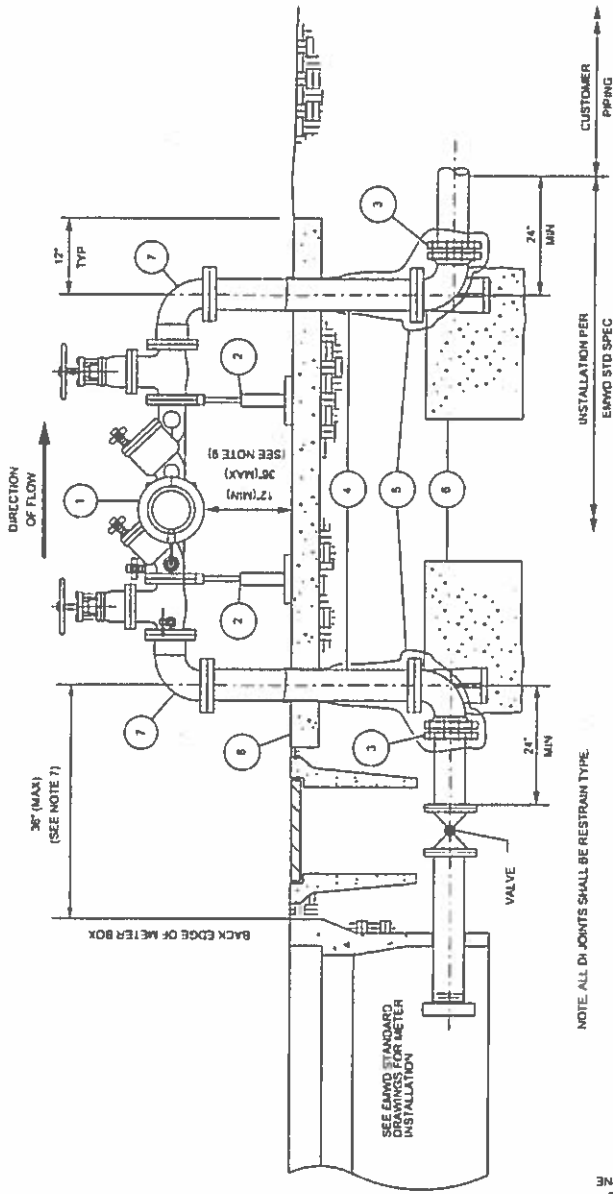
RECOMMENDED: [Signature] DIRECTOR OF ENGINEERING

6/21/11 DATE

APPROVED: [Signature] ASSISTANT GENERAL MANAGER

6/21/11 DATE

B-597B



NOTE: ALL JOINTS SHALL BE RESTRAIN TYPE

INSTALLATION PER EAWD STD SPEC

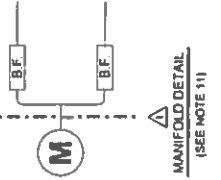
CUSTOMER PIPING

24\"/>

ITEM	DESCRIPTION
1	4" THRU 10" REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY WITH VALVES
2	ADJUSTABLE PIPE SUPPORT
3	DI BASE BEND WITH CL 150 FLANGE & MECHANICAL JOINT
4	CLASS 50 DUCTILE IRON PIPE WITH CL 150 FLANGES
5	POLYETHYLENE ENCASMENT PER ANS/AWWA C105/A21.5 (SEE NOTE 10)
6	CONCRETE THRUST BLOCK PER B-407
7	DUCTILE IRON 1/2 BEND WITH CL 150 FLANGES
8	36" WIDE X 4" THICK CONCRETE PAD LENGTH VARIES PER BACKFLOW SIZE

TABLE "A" Δ

METER SIZE	BACKFLOW SIZE
3" SENSUS C7 (400 GPM)	4"
3" SENSUS T2 (500 GPM)	4"
4" SENSUS C2 (800 GPM)	6"
4" SENSUS T2 (1,000 GPM)	6"
6" SENSUS C2 (1,600 GPM)	8"
6" SENSUS T2 (2,000 GPM)	10"



1. PROVIDE AN USC APPROVED BACKFLOW PREVENTION ASSEMBLY AS DESIGNATED BY EAWD APPROVED MATERIALS LIST SPECIFICATIONS.
2. EAWD MAINTENANCE RESPONSIBILITY STOPS AT THE METER. THE CUSTOMER IS TO MAINTAIN THE BACKFLOW PREVENTION ASSEMBLY IN ACCORDANCE WITH EAWD ORD. 09 RESPONSIBLE TO TEST AND
3. ONLY RIVERSIDE COUNTY CERTIFIED BACKFLOW TESTERS LISTED ON THE EAWD APPROVED BACKFLOW TESTER LIST ARE ALLOWED TO TEST BACKFLOW ASSEMBLIES WITH IN EAWD SERVICE AREA.
4. BACKFLOW CERTIFICATION TESTING IS REQUIRED ANNUALLY AT A MINIMUM BUT MAY BE MORE FREQUENT AS DEEMED NECESSARY BY EAWD. CERTIFICATION TESTING IS REQUIRED IMMEDIATELY AFTER AN ASSEMBLY IS RELOCATED, REPAIRED, REINSTALLED, ACCEPTANCE AND WATER DELIVERY PER EAWD ORD. 09 PRIOR TO NEW INSTALLATION ACCEPTANCE AND WATER DELIVERY.
5. BACKFLOW PREVENTION ASSEMBLY SIZE SHALL MATCH THE DIAMETER OF THE METER IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE, CHAPTER 6, SECTION 610 AS AMENDED, PER TABLE "A", OR AS APPROVED BY EAWD.
6. BACKFLOW PREVENTION ASSEMBLY INSTALLATIONS INCLUDING ALL APPURTENANCES FOR THE SUPPLY OF DOMESTIC WATER SHALL COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA LEAD-FREE ACT AB1693
7. BACKFLOW PREVENTION ASSEMBLIES SHALL BE LOCATED AS CLOSE AS PRACTICAL TO THE WATER METER BOX BUT NOT FURTHER THAN 3 FEET UNLESS A VARIANCE IS OBTAINED FROM AN EAWD CROSS-CONNECTION SPECIALIST PRIOR TO INSTALLATION.
8. NO OUTLETS, TEES, OR CONNECTIONS SHALL BE ALLOWED BETWEEN THE METER AND THE BACKFLOW PREVENTION ASSEMBLY
9. BACKFLOW PREVENTION ASSEMBLIES SHALL MAINTAIN A VERTICAL CLEARANCE FROM THE LOWEST POINT OF 12 INCHES (MINIMUM) TO 30 INCHES (MAXIMUM) ABOVE FINISHED GRADE, WITH SIDE AND TOP CLEARANCES OF 12 INCHES (MINIMUM) FROM ANY OBSTRUCTIONS IN ALL DIRECTIONS.
10. POLYETHYLENE ENCASMENT SHALL BE INSTALLED PER ANS/AWWA C105/A21.5 REQUIREMENTS HIGH-DENSITY POLYETHYLENE (HDPE) SHALL BE A MINIMUM OF .004 (4 MIL) THICKNESS. LOW-DENSITY POLYETHYLENE (LDPE) SHALL BE A MINIMUM OF .008 (8 MIL) THICKNESS.

RECOMMENDATIONS:

11. PARALLEL INSTALLATIONS OF THE SAME TYPE OF BACKFLOW PREVENTION ASSEMBLIES ARE STRONGLY RECOMMENDED FOR ALL FACILITIES REQUIRING UNINTERRUPTED WATER SUPPLY SUCH AS, HOSPITALS AND SCHOOLS. WHEN THE METER CAPACITY EXCEEDS THE 10" BACKFLOW CAPACITY, PARALLEL BACKFLOWS SHALL BE INSTALLED. SEE MANIFOLD DETAIL.
12. FREEZE PROTECTION IS RECOMMENDED, BUT THE RELIEF VALVE MUST BE ABLE TO VENT FREELY AND TESTCOCK OPENINGS SHALL BE LEFT EXPOSED.
13. TRIFT PREVENTION DEVICES ARE STRONGLY RECOMMENDED FOR BRONZE ASSEMBLIES ALLOWING ADEQUATE ACCESS TO THE ASSEMBLY FOR TESTING, MAINTENANCE, AND PROPER DRAINAGE.

EASTERN MUNICIPAL WATER DISTRICT
STANDARD DRAWING

REDUCED PRESSURE BACKFLOW PREVENTER
ASSY FOR SIZES 4" THROUGH 10"

APPROVED *Charlie Bachmann* ASSISTANT GENERAL MANAGER 8/21/11 DATE

B-597C

EASTERN MUNICIPAL WATER DISTRICT

APPROVED *Joe Montanari* DIRECTOR OF ENGINEERING 8/21/11 DATE

APPROVALS

INITIAL	DATE
NEW BUSINESS	5/28/11
MAINTENANCE	5/23/11
INSPECTION	6/14/11
OPERATIONS	9/18/11
SUBMITTED	5/11/11

REVISIONS

NO.	DATE	INITIAL	DESCRIPTION	APPD	DATE
Δ	3-5-14	GS	REVISED NOTE #5, ADDED TABLE "A" AND MANIFOLD DETAIL	AGG	3/5/14

REFERENCES:
FILE I.D.: *Wastengstdwg18-597C.dgn*

SCALE: NONE
DRAWN BY GS

121

PORT OF BROOKINGS HARBOR

REPLACE DOCK WATERLINES

Issue #	CIP Rank	Description of Condition	Priority	Option 1	Estimated Cost	Option 2	Estimated Cost	Option 3	Estimated Cost	Funds Available Y/N
43		Replace worn out dock waterlines	1	Continue repairing waterlines as they fail		Replace waterlines per dock section	80,000			No
		Board meeting 02-26-2019 Decision								

Port Staff Recommendation:

Option 2

Option 2 Possible Funding Source:

- 1) Port General Fund

Temporary measures Port has taken to reduce environmental and safety issues:

- 1) Making repairs when necessary.

PORT OF BROOKINGS HARBOR

REPLACE RETAIL BUILDING ROOFS

Issue #	CIP Rank	Description of Condition	Priority	Option 1	Estimated Cost	Option 2	Estimated Cost	Option 3	Estimated Cost	Funds Available Y/N
44	18	Repair / Replace Retail Center Building #1 and #2 roofs	1	Repair / Replace existing roofs	120,000	Remove dormers and replace roofs	120,000			No
Board meeting 02-26-2019 Decision										

Port Staff Recommendation:

Option 2 could save the Port money in the long run by removing the dormers. Current dormers create more maintenance and leaking issues.

Option 2 Possible Funding Source:

- 1) Port General Fund

Temporary measures Port has taken to reduce environmental and safety issues:

- 1) Making repairs when necessary.



124



125

PORT OF BROOKINGS HARBOR

PAINT RETAIL BUILDINGS

Issue #	CIP Rank	Description of Condition	Priority	Option 1	Estimated Cost	Option 2	Estimated Cost	Option 3	Estimated Cost	Funds Available Y/N
45	18	Repaint Retail Center Buildings #1 and #2	1	Repaint Retail Center Buildings #1 and #2	75,000					No
Board meeting 02-26-2019 Decision										

Port Staff Recommendation:

Option 1 if dormers are removed from the roofs, cost of painting would be reduced.

Option 2 Possible Funding Source:

- 1) Port General Fund

Temporary measures Port has taken to reduce environmental and safety issues:

- 1) None





PORT OF BROOKINGS HARBOR

REPLACE / REBUILD RV PARK FENCING

Issue #	CIP Rank	Description of Condition	Priority	Option 1	Estimated Cost	Option 2	Estimated Cost	Option 3	Estimated Cost	Funds Available Y/N
49		Replace worn out fence at RV Park	3	Make repairs as necessary	20,000	Remove old and replace with new	100,000			No
		Board meeting 02-26-2019 Decision								

Port Staff Recommendation:

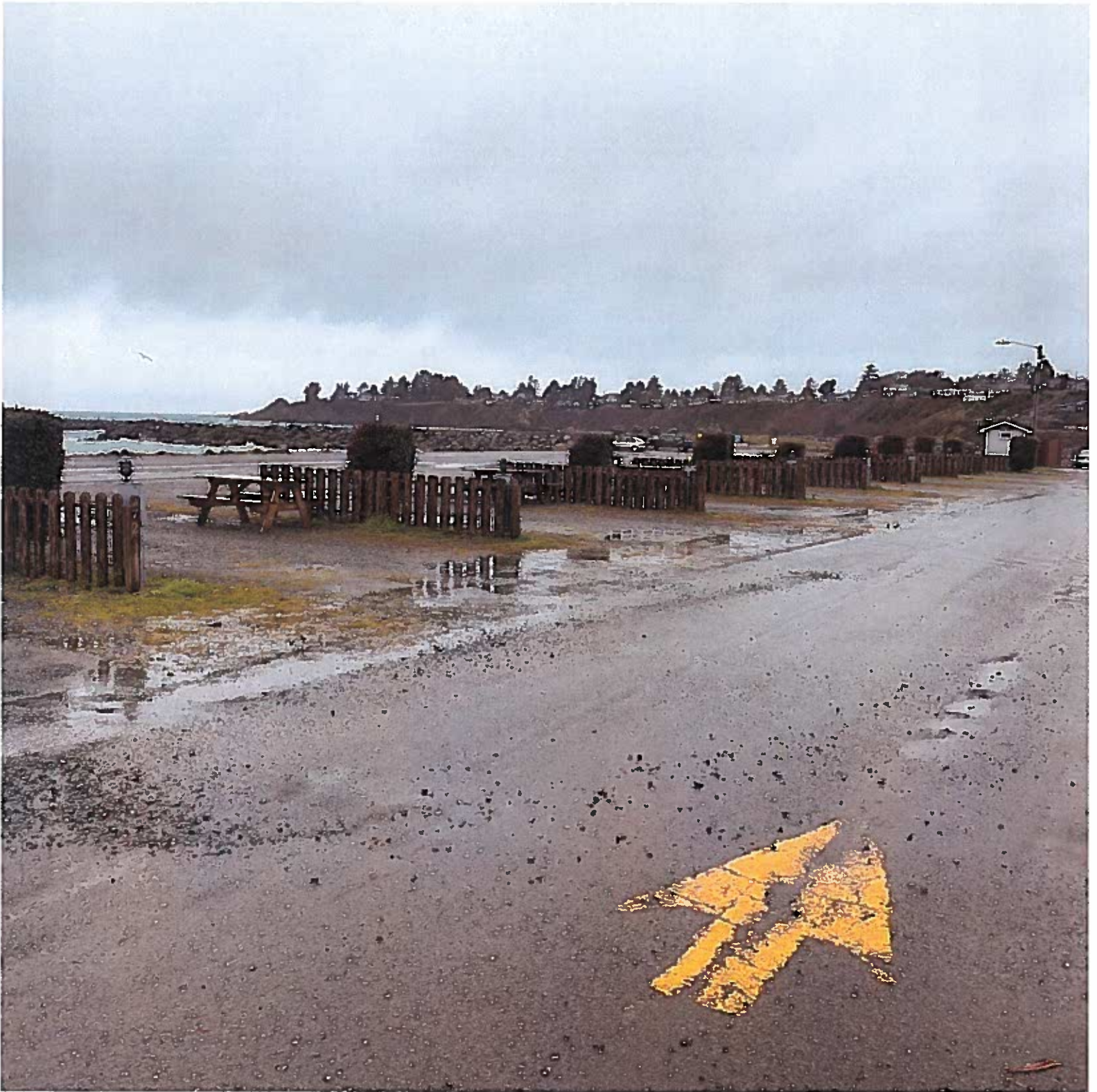
Option 2 if funding is available.

Option 2 Possible Funding Source:

- 1) Port General Fund
- 2) OPRD Grant 2020

Temporary measures Port has taken to reduce environmental and safety issues:

- 1) Making repairs when necessary.



PORT OF BROOKINGS HARBOR

UPGRADE RV PARK SPACES

Issue #	CIP Rank	Description of Condition	Priority	Option 1	Estimated Cost	Option 2	Estimated Cost	Option 3	Estimated Cost	Funds Available Y/N
50		Upgrade RV Park sites	4	Pave RV Spaces	300,000	Use concrete instead of paving for the spaces	400,000	Leave ground as-is and maintain the weeds/grass	25,000	No
Board meeting 02-26-2019 Decision										

Port Staff Recommendation:

Option 1 or 2 if funding is available. Option 3 is per year cost.

Option 1 or 2 Possible Funding Source:

- 1) Port General Fund
- 2) OPRD Grant 2020

Temporary measures Port has taken to reduce environmental and safety issues:

- 1) Continued maintenance of gravel and weeds/grass.





PORT OF BROOKINGS HARBOR

INSTALL SECURITY FENCING

Issue #	CIP Rank	Description of Condition	Priority	Option 1	Estimated Cost	Option 2	Estimated Cost	Option 3	Estimated Cost	Funds Available Y/N
55		Install fence and gates to protect Gear Storage materials and equipment	3	Install fencing for public safety and gear protection	40,000					Yes
Board meeting 02-26-2019 Decision										

Port Staff Recommendation:

Option 1 approved by Board.

Option 1 Possible Funding Source:

- 1) Port General Fund

Temporary measures Port has taken to reduce environmental and safety issues:

- 1) None

PORT OF BROOKINGS HARBOR

BOAT YARD PAVING – WATER TREATMENT DEVICE

Issue #	CLP Rank	Description of Condition	Priority	Option 1	Estimated Cost	Option 2	Estimated Cost	Option 3	Estimated Cost	Funds Available Y/N
57		Pave Boat Yard to reduce wear on travel lift, increase efficiency and protect grounds	3	Pave boat work areas with stormwater control measures	1,000,000	Combination of gravel, paving and concrete with stormwater control measures				No
58		Install water treatment device for Boat Yard and Boat Wash in Retail Parking Lot	1	Install water treatment device for Boat Yard & Retail wash facilities	50,000					No
Board meeting 02-26-2019 Decision										

Port Staff Recommendation:

Option 1

Option 1 Possible Funding Source:

- 1) INFRA Grant
- 2) 2017 State Connect Oregon Lottery
- 3) Port General Fund
- 4) Business Oregon Loan - Special Public Works Fund or County Road Fund Loan

Temporary measures Port has taken to reduce environmental and safety issues:

- 1) Best Management Practices being used for boat repairs, warehouse storage and waste oil facility.

PORT OF BROOKINGS HARBOR

PORT SIGNAGE

Issue #	CIP Rank	Description of Condition	Priority	Option 1	Estimated Cost	Option 2	Estimated Cost	Option 3	Estimated Cost	Funds Available Y/N
59		Upgrade Port / Tenants Signage	3	Replace and update billboard signs	15,000	Develop and install new signage throughout Port	100,000			No
		Board meeting 02-26-2019 Decision								

Port Staff Recommendation:

Option 2

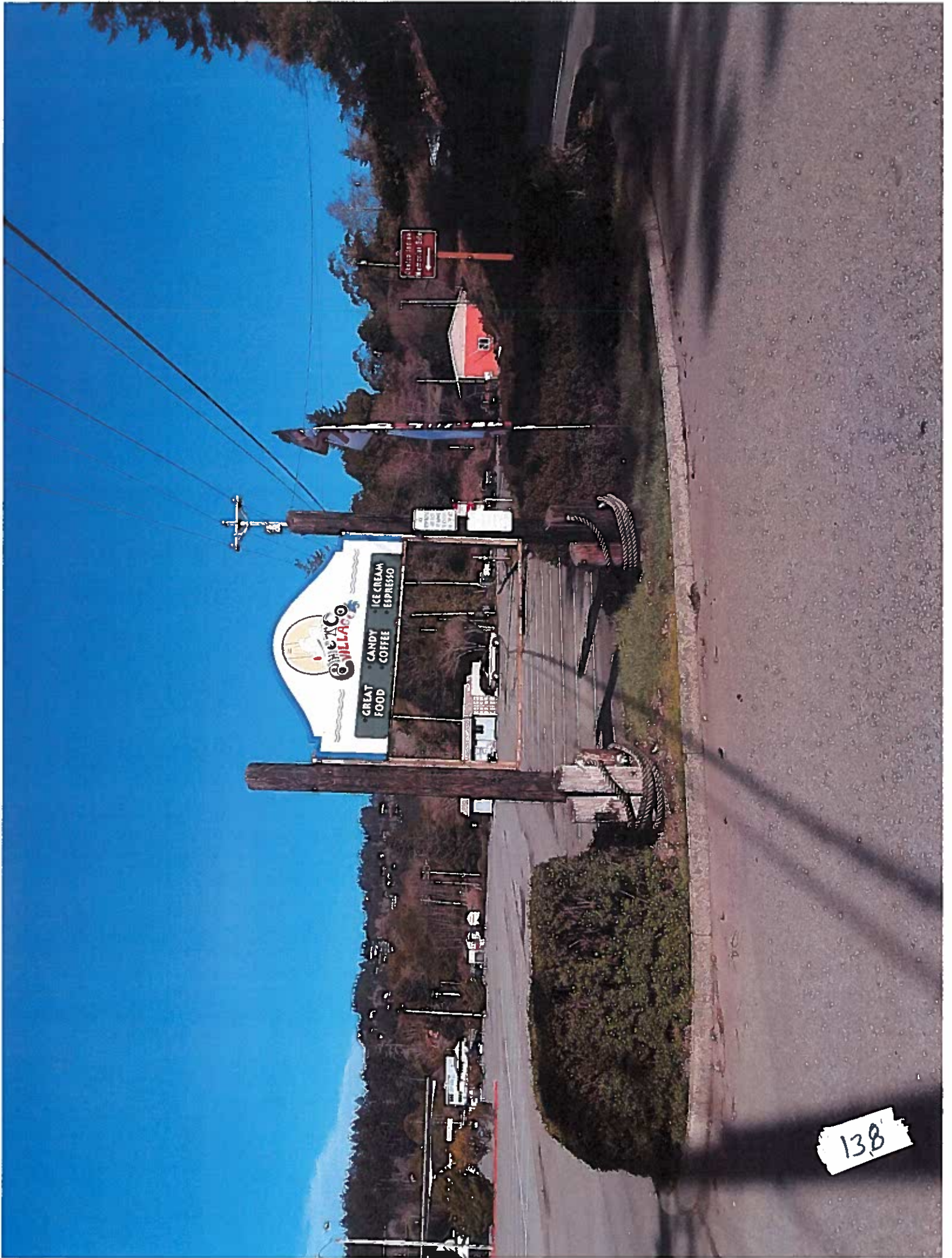
Option 1 Possible Funding Source:

- 1) Port General Fund

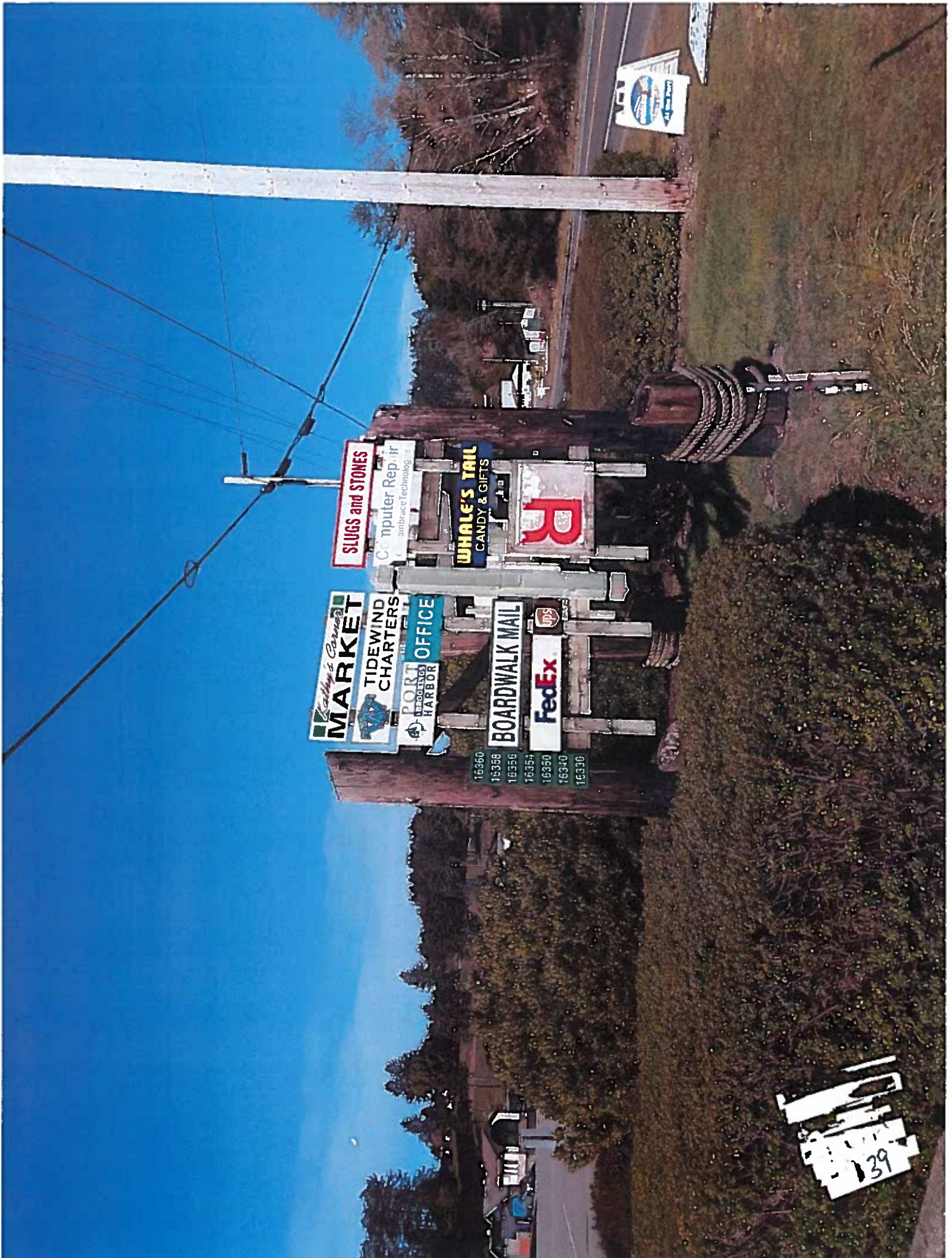
Temporary measures Port has taken to reduce environmental and safety issues:

- 1) Repair and/or clean signs as needed.





138



SLUGS and STONES

Computer Rep. ir
airbrace Technology

WHALE'S TAIL
CANDY & GIFTS

R

Leather & Bones
MARKET

TIDEWIND
CHARTERS

PORT OFFICE
BLANDING'S
HARBOR

BOARDWALK MAIL

FedEx

- 16360
- 16368
- 16356
- 16354
- 16350
- 16340
- 16330

139

PORT OF BROOKINGS HARBOR

RETAIL PARKING LOT LIGHTING

Issue #	CIP Rank	Description of Condition	Priority	Option 1	Estimated Cost	Option 2	Estimated Cost	Option 3	Estimated Cost	Funds Available Y/N
60		Install Lighting at Retail Parking Lot		Install new parking lot light poles	100,000					No
Board meeting 02-26-2019 Decision										

Port Staff Recommendation:

Option 1

Option 1 Possible Funding Source:

- 1) Port General Fund

Temporary measures Port has taken to reduce environmental and safety issues:

- 1) Replace burnt out lights as they occur.

PORT OF BROOKINGS HARBOR

EXISTING CANTILEVER DOCKS

Issue #	CIP Rank	Description of Condition	Priority	Option 1	Estimated Cost	Option 2	Estimated Cost	Option 3	Estimated Cost	Funds Available Y/N
61		Install protective coating to steel under new receiving dock (BC Fisheries)		Paint protective coating	150,000	Spray-on protective coating	100,000			No
62		Install protective coating to steel under Fishing Pier		Paint protective coating	100,000	Spray-on protective coating	75,000			No
Board meeting 02-26-2019 Decision										

Port Staff Recommendation:

Protective coating should be installed on the steel to maximize the lifespan of the docks.

Possible Funding Source:

- 1) Port General Fund

Temporary measures Port has taken to reduce environmental and safety issues:

- 1) None





43



144

PORT OF BROOKINGS HARBOR

BOAT YARD TRAVEL LIFT RAMP

Issue #	CIP Rank	Description of Condition	Priority	Option 1	Estimated Cost	Option 2	Estimated Cost	Option 3	Estimated Cost	Funds Available Y/N
63		Replace Travel Lift Ramp and Work Dock		Rebuild ramp with piling and sheet pile method	750,000					No
Board meeting 02-26-2019 Decision										

Port Staff Recommendation:

Option 1, travel lift ramp was built in mid-1970 with wood piles. Over the years the ramp capacity has been downgraded. Lifespan of this type of construction and increasing environmental restrictions to water quality, the ramp should be replaced as soon as possible.

Option 1 Possible Funding Source:

- 1) INFRA Grant
- 2) 2017 State Connect Oregon Lottery
- 3) Port General Fund
- 4) Business Oregon Loan - Special Public Works Fund or County Road Fund Loan

Temporary measures Port has taken to reduce environmental and safety issues:

- 1) Continue to repair ramp and work dock as needed.



