

ADDENDUM NUMBER: 3

To Contract Documents for:

Unalaska Backflow Prevention Project DPW Project No. 15401/Contract No.: 15401-01

Prepared for:
City of Unalaska
Department of Public Works
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July 01, 2016

Please acknowledge receipt of this Addendum No. 3 in the appropriate blanks on the bid form.

The following corrections, changes, additions, deletions, revisions, and/or clarifications are hereby made a part of the contract documents for the **UNALASKA BACKFLOW PREVENTION PROJECT**. In case of conflicts between this Addendum and previously issued documents, this Addendum shall take precedence.

This addendum consists of the following:

Page(s) 1 of 5

Section 00 03 00 "Bid Form", Schedules, 12 pages.

Section 00 10 00 "General Requirements", City of Unalaska BPAs: All City Service Locations table, 2 pages.

PREVIOUSLY ISSUED ADDENDA

AD3-1 AD1-11: **REVISE** note to read: "INSTALL NEW WATER METER (FURNISHED BY CITY), SHUT-OFF VALVES, STRAINER, BACKFLOW PREVENTER, PRESSURE REDUCING VALVE, PRESSURE GAUGE, SPIGOT, AND PIPE AS REQUIRED FOR COMPLETE SYSTEM. NEW PIPING AND COMPONENTS SHALL BE 2-INCH. SEE UNALASKA DEPARTMENT OF PUBLIC UTILITIES (DPU) STANDARD DETAIL 60-6 FOR METER AND VALVE CONFIGURATION, INCLUDING ALL COMPONENTS AND INSTALLATION REQUIREMENTS. DPU SHALL INSTALL MXU AND MAKE FINAL WIRING CONNECTION TO METER, COORDINATE SCHEDULE. INSTALL ANTI-FLOOD SOLENOID VALVE AND SENSOR, LOCATE ANTI-FLOOD VALVE BETWEEN METER AND RPBA. CITY WILL PROVIDE 120V RECEPTACLE."

- AD3-2 AD1-13: **REVISE** note to read "ALL NEW PIPE AND FITTINGS INCLUDING METER ARE 2-INCH."

BIDDING REQUIREMENTS

- AD3-3 Section 00 03 00 "Bid Form": **REPLACE** pages BP-1 through BP-12 located at the end of this section in their entirety.

SPECIFICATIONS

- AD3-4 Section 01 00 00 "General Requirements": **REPLACE** City of Unalaska BPAs: All City Service Locations table, located at end of this section, in its entirety.
- AD3-5 Section 22 10 00 "Plumbing Piping", 3.5: **ADD** new paragraph 3.5E to read "Refer to City of Unalaska BPAs: All City Service Locations table located at the end of Specification Section 01 00 00 "General Requirements" for locations of additional backflow prevention devices not shown in Contract Drawings. These devices are noted as requiring certification only."

CITY OF UNALASKA STANDARD DETAILS

- AD3-6 Standard Detail No. 60-6, Page 2 of 2 - Clarification to Water Meters note #1: Contractor shall furnish the 28 new MXUs and deliver to DPU. Refer to 22 10 00 "Plumbing Piping", Article 2.9 for manufacturer and model. DPU will install and wire MXUs, except as indicated otherwise on Sheets 3.01, 3.02, and 4.02.

DRAWINGS

- AD3-7 Sheet 1.02 "LOCATION AND KEY MAP", Detail 1/1.02: **ADD** general note to read "REFER TO LIST OF CITY OF UNALASKA BPAS LOCATED AT THE END OF SPECIFICATION SECTION 01 00 00 "GENERAL REQUIREMENTS" FOR LOCATIONS OF ADDITIONAL BACKFLOW PREVENTION DEVICES NOT SHOWN IN CONTRACT DRAWINGS. THESE DEVICES ARE NOTED AS REQUIRING CERTIFICATION ONLY."
- AD3-8 Sheet 2.02 "TIDEFLEX SITE PLANS": **REVISE** the pipe size call-out for the central Tideflex from "12-inch DI" to "8-inch DI".
- AD3-9 Sheet 3.01 "MULTI-PURPOSE COURT", Detail 1/3.01: **ADD** Detail Note 3 to read "FOR BIDDING PURPOSES THE EXISTING WATER SERVICE IS NO DEEPER THAN 5-FEET BELOW GRADE."
- AD3-10 Sheet 3.03 "US COAST GUARD SHACK": **REVISE** Demolition Work sheet note for 3-inch and 4-inch dock service to read "REMOVE AND SALVAGE METERS. DEMOLISH HDPE PIPING BETWEEN THE RPBAS AND THE SHUT-OFF VALVES DOWNSTREAM THE METERS. REMOVE RPBAS AND ADDITIONAL PIPING AS REQUIRED TO INSTALL DRAIN; RETAIN FOR REINSTALLATION."
- AD3-11 Sheet 3.03 "US COAST GUARD SHACK": **REVISE** New Work sheet note for 3-inch and 4-inch dock service to read "INSTALL METERS, FURNISHED BY DPU. INSTALL RIGID COPPER PIPE BETWEEN THE RPBAS AND THE SHUT-OFF VALVES DOWNSTREAM THE METERS."
- AD3-12 Sheet 3.03 "US COAST GUARD SHACK", Details 1/3.03: **ADD** Note 2 to read "CONTRACTOR'S OPTION TO PROVIDE TWO (2) 8-INCH DRAIN LINES, INSTALLED BY CORE DRILLING THROUGH CENTER OF 12-INCH HIGH CONTAINMENT CURB, IN LIEU OF SINGLE 12-INCH DRAIN LINE THROUGH THE FLOOR. FINISH SIMILAR TO DETAIL 2/6.01. MAINTAIN 36-INCH HORIZONTAL SEPARATION BETWEEN THE CORES. 4-FEET EARTHEN

COVER NOT REQUIRED. PROVIDE 10% PIPE SLOPE. ALL OTHER REQUIREMENTS REMAIN IN EFFECT."

- AD3-13 Sheet 3.04 "LANDFILL – BAY VIEW AVE. VAULT": **DELETE** the Demolition Work note and the first New Work note. The RPBA will not be raised.
- AD3-14 Sheet 3.04 "LANDFILL – BAY VIEW AVE. VAULT", Detail 1/3.04: **ADD** Note 2 to read "CONTRACTOR'S OPTION TO INSTALL VAULT DRAIN THROUGH SIDE OF VAULT AT THE BOTTOM, IN LIEU OF THROUGH THE FLOOR; REFER TO DETAIL 2/6.01 FOR THIS OPTION."
- AD3-15 Sheet 5.01 "BURMA ROAD CHAPEL", Detail 4/5.01: **REVISE** note to read "INSTALL METER AND RPBA IN THIS GENERAL AREA. AREA ABOVE AND TO THE LEFT OF THIS AREA MAY BE USED AS WELL."
- AD3-16 Sheet 5.01 "BURMA ROAD CHAPEL": **ADD** note under New Work to read "RECONNECT EXISTING GROUNDING CONDUCTOR THAT CROSSES THE EXISTING WATER METER."
- AD3-17 Sheet 5.03 "PCR COMMUNITY CENTER": **REVISE** note under Demolition Work to read "REMOVE AND SALVAGE WATER METER AND REMOTE METER READER (MXU). CITY SHALL DISCONNECT MXU WIRING FROM METER PRIOR TO REMOVAL, COORDINATE SCHEDULE. REMOVE AND RETAIN STRAINER, PRESSURE REDUCING VALVE, AND BALL TYPE SHUT OFF VALVES FOR REINSTALLATION. DEMOLISH PIPING BACK TO AND INCLUDING THE 2-INCH GALVANIZED NIPPLE ABOVE THE FIRE ASSEMBLY TEE, INCLUDING THE BUTTERFLY SHUT-OFF VALVE. REMOVE ADDITIONAL PIPING DOWNSTREAM THE METER AS REQUIRED TO INSTALL NEW WORK."
- AD3-18 Sheet 5.03 "PCR COMMUNITY CENTER": **REVISE** note under New Work to read "INSTALL NEW WATER METER (FURNISHED BY CITY), BACKFLOW PREVENTER, PRESSURE GAUGE, SPIGOT, AND PIPE AS REQUIRED FOR COMPLETE SYSTEM. REINSTALL BALL TYPE SHUT-OFF VALVES, STRAINER, AND PRESSURE REDUCING VALVE. SEE UNALASKA DEPARTMENT OF PUBLIC UTILITIES (DPU) STANDARD DETAIL 60-6 FOR METER AND VALVE CONFIGURATION, INCLUDING ALL COMPONENTS AND INSTALLATION REQUIREMENTS. DPU SHALL INSTALL MXU AND MAKE FINAL WIRING CONNECTION TO METER, COORDINATE SCHEDULE. INSTALL 4-INCH DRAIN LINE FOR RPBA, SEE DETAIL 1/6.03. ROUTE DISCHARGE TO BUILDING EXTERIOR."
- AD3-19 Sheet 5.04 "SITKA SPRUCE PARK", Detail 1/5.04: **REVISE** note to read "ROUTE RPBA DRAIN INTO BATHROOM BELOW SINK AND TO EXTERIOR WALL. PIPING EXPOSED IN BATHROOM. CONTRACTOR'S OPTION TO ROUTE RPBA DRAIN BEHIND WATER HEATER TO EXTERIOR; MOVE WATER HEATER AS NEEDED."
- AD3-20 Sheet 5.09 "HIGH SCHOOL – DOMESTIC": **REVISE** note under New Work to read "INSTALL NEW STRAINER, BACKFLOW PREVENTER, SPIGOT, DOWNSTREAM SHUT-OFF VALVE, AND PIPE AS REQUIRED FOR COMPLETE SYSTEM. REINSTALL WATER METER, PRESSURE REDUCING VALVE, AND PRESSURE GAUGE. SEE UNALASKA DEPARTMENT OF PUBLIC UTILITIES (DPU) STANDARD DETAIL 60-6 FOR METER AND VALVE CONFIGURATION, INCLUDING ALL COMPONENTS AND INSTALLATION REQUIREMENTS. DPU SHALL INSTALL MXU AND MAKE FINAL WIRING CONNECTION TO METER, COORDINATE SCHEDULE. INSTALL 4-INCH DRAIN LINE FOR RPBA, SEE DETAIL 1/6.03. ROUTE DISCHARGE TO BUILDING EXTERIOR."
- AD3-21 Sheet 5.13 "CITY LIBRARY – DOMESTIC": **REVISE** note under New Work to install new strainer in lieu of reinstalling it.
- AD3-22 Sheet 5.19 "SCHOOL 4 PLEX": **ADD** note under New Work to read "REROUTED 1-1/4-INCH PIPE MAY BE AWWA C904 PEX IN LIEU OF RIGID COPPER".

- AD3-23 Sheet 5.20 "AIRPORT TERMINAL": **REVISE** pipe size under Existing Conditions to read "2-1/2-inch".
- AD3-24 Sheet 5.20 "AIRPORT TERMINAL": **REVISE** note under Demolition Work to read "REMOVE AND SALVAGE WATER METER AND REMOTE METER READER (MXU). CITY SHALL DISCONNECT MXU WIRING FROM METER PRIOR TO REMOVAL, COORDINATE SCHEDULE. DEMOLISH PRESSURE REDUCING VALVE, PRESSURE GAUGE, METER BYPASS AND ASSOCIATED VALVES, AND PIPING FROM 6-INCH FLANGE ON THE FIRE SYSTEM BRANCH TO DOMESTIC TO DOWNSTREAM SHUT-OFF VALVE. REMOVE ADDITIONAL PIPING DOWNSTREAM THE SHUT-OFF VALVE AS REQUIRED TO INSTALL NEW WORK."
- AD3-25 Sheet 5.22 "NEW POWER HOUSE": **REMOVE** reference to pressure reducing valve under Demolition and New Work notes. The system does not currently have a pressure reducing valve and none will be required.
- AD3-26 Sheet 5.22 "NEW POWER HOUSE": **REVISE** note under New Work to read "Install new water meter (furnished by City), spigot, and pipe as required for complete system. Reinstall backflow preventer, strainer, ball type shut-off valves, and pressure gauges. See Unalaska Department of Public Utilities (DPU) standard detail 60-6 for meter and valve configuration, including all components and installation requirements. DPU shall install MXU and make final wiring connection to meter, coordinate schedule. Install 4-inch drain line for RPBA, see detail 1/6.03. Route discharge to building exterior."
- AD3-27 Sheet 5.24 "PUBLIC WORKS UTILITIES BUILDING": **REVISE** pipe size under Existing Conditions to read "EXISTING METER IS 1-1/2-INCH; SURROUNDING PIPE AND FITTINGS ARE 2-INCH."
- AD3-28 Sheet 6.03 "Details", Detail 1/6.03: **ADD** note to detail to read "PROVIDE COPPER OR SCHEDULE 40 HOT-DIP GALVANIZED STEEL PIPING FOR THE INDOOR INSULATED PORTION AND ALL OUTDOOR PIPING. PROVIDE ABS OR PVC PIPING FOR INDOOR PIPING UPSTREAM OF THE INSULATED PORTION."

RESPONSES TO CONTRACTOR QUESTIONS

Q: Can "Viega ProPress" rigid copper fittings be used?

A: Viega ProPress fittings may be used so long as they are rated for hot and cold potable water, meet the requirements of 22 10 00 Article 2.3, and are installed in accordance with manufacturer's technical literature.

Q: For the DCBA you have called out the AMES 2000SS Model. This model is only 2-1/2-inch and larger. What model do you want to use on all the smaller sized valves?

A: Refer to Specification Section 22 10 00 Article 2.7 for the manufacturers/models for the various types and sizes of backflow protection devices. Note that AMES 2000 SS is for fire service only (Paragraph 2.7.B) and there are no new fire service DCBA's smaller than 2-1/2-inch (refer to revised list of City of Unalaska BPAs provided with this addendum).

Q: Is there a standard detail for the DCBA installations?

A: Refer to City of Unalaska Standard Detail 60-6 "3+ Dwelling Unit Residential Assembly."

Q: I can't find the drawings showing many of the valve installations. Well house 1 & well house 2 & well house 3 are just a few that don't have drawings. Is it possible to get drawings of all the locations?

A: Refer to revised list of City of Unalaska BPAs provided with this addendum. Devices that require certification only have been noted and an address has been provided.

Addendum No.: 3

Project Name: Unalaska Backflow Prevention Project

Client Project No.: DPW Project No. 15401/Contract No.: 15401-01

Q: The drawings include an insulation specification but insulation is not called out in any of the drawings except in detail 1/6.03. Is insulation required anywhere on the assemblies?

A: Specification Section 22 07 00, Article 3.3 specifies where pipe insulation is required and thickness of insulation.

END OF ADDENDUM NUMBER: 3

CITY OF UNALASKA
DEPARTMENT OF PUBLIC WORKS
UNALASKA BACKFLOW PREVENTION PROJECT

Schedule 1: Summary

Item No.	Work Description	Total Bid Price
1	Mobilization/Demobilization	
2	Public Utilities Water Fund	
3	Public Utilities Landfill Fund	
4	Public Utilities Electric Fund	
5	Public Utilities Wastewater Fund	
6	General Fund	
7	Schools Fund	
8	Ports Fund	
9	Airport Fund	
10	Housing Fund	
Total Schedule 1:		

CITY OF UNALASKA
DEPARTMENT OF PUBLIC WORKS
UNALASKA BACKFLOW PREVENTION PROJECT

Schedule 2: Mobilization/Demobilization

Item No.	Spec. No. Dwg. No.	Work Description	Total Bid Price
1		Public Utilities Water Fund	
2		Public Utilities Landfill Fund	
3		Public Utilities Electric Fund	
4		Public Utilities Wastewater Fund	
5		General Fund	
6		Schools Fund	
7		Ports Fund	
8		Airport Fund	
9		Housing Fund	
Total Schedule 2:			

CITY OF UNALASKA
DEPARTMENT OF PUBLIC WORKS
UNALASKA BACKFLOW PREVENTION PROJECT

Schedule 3 : Public Utilities Water Fund

Item No.	Spec. No. Dwg. No.	Work Description	Total Bid Price
1	2.02	Spit Dock Tideflexes 8" & 12"	
2	2.01	East Point Tideflex	
3	2.01	Airport Tideflex	
4	2.01	South Channel Tideflex	
5	221000	Well House 1	
6	221000	Well House 2	
7	221000	Well House 3	
8	221000	Pyramid Water Treatment Plan	
9	221000	UPCH	
Total Schedule 3:			

CITY OF UNALASKA
DEPARTMENT OF PUBLIC WORKS
UNALASKA BACKFLOW PREVENTION PROJECT

Schedule 4 : Public Utilities Landfill Fund

Item No.	Spec. No. Dwg. No.	Work Description	Total Bid Price
1	3.04	Landfill - Bay View Ave. Vault	
2	5.16	City Baler Facility - Domestic	
3	221000	City Baler Facility - Fire	
Total Schedule 4:			

CITY OF UNALASKA
DEPARTMENT OF PUBLIC WORKS
UNALASKA BACKFLOW PREVENTION PROJECT

Schedule 5: Public Utilities Electric Fund

Item No.	Spec. No. Dwg. No.	Work Description	Total Bid Price
1	5.22	New Power House - Domestic	
2	221000	New Power House - Fire	
3	5.23	Old Power House	
4	2210000	Landfill - Leachate Building	
Total Schedule 5:			

CITY OF UNALASKA
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UNALASKA BACKFLOW PREVENTION PROJECT

Schedule 6: Public Utilities Wastewater Fund

Item No.	Spec. No. Dwg. No.	Work Description	Total Bid Price
1	221000	Wastewater Treatment Plan - Domestic	
2	221000	Wastewater Treatment Plan - Fire	
3	1.02	Wastewater Collection - Mobile RPBA	
Total Schedule 6:			

CITY OF UNALASKA
DEPARTMENT OF PUBLIC WORKS
UNALASKA BACKFLOW PREVENTION PROJECT

Schedule 7: General Fund

Item No.	Spec. No. Dwg. No.	Work Description	Total Bid Price
1	5.17	Public Safety - Domestic	
2	5.18	Public Safety - Fire	
3	5.11	Amaknak Fire Hall - Domestic	
4	221000	Amaknak Fire Hall - Fire	
5	5.04	Sitka Spruce Park	
6	5.05	Tutiakoff Field	
7	5.03	PCR Community Center - Domestic	
8	221000	PCR Community Center - Fire	
9	3.01	Multi-Purpose Court	
10	5.01	Burmal Road Chapel	
11	5.02	Kelty Field	
12	5.13	City Library - Domestic	
13	5.14	City Library - Fire	
14	5.12	City Hall - Domestic	

CITY OF UNALASKA
DEPARTMENT OF PUBLIC WORKS
UNALASKA BACKFLOW PREVENTION PROJECT

Schedule 7: General Fund

Item No.	Spec. No. Dwg. No.	Work Description	Total Bid Price
15	221000	City Hall - Fire	
16	5.15	Museum of the Aleutians - Domestic	
17	221000	Museum of the Aleutians - Fire	
18	4.01, 4.02	Public Works UPCH - Post Hydrant	
19	5.24	Public Works - Utilities Building - Domestic	
20	221000	Public Works - Utilities Building - Fire	
21	221000	Public Works - Utilities Building - Wash Bay	
Total Schedule 7:			

CITY OF UNALASKA
DEPARTMENT OF PUBLIC WORKS
UNALASKA BACKFLOW PREVENTION PROJECT

Schedule 8: Schools Fund

Item No.	Spec. No. Dwg. No.	Work Description	Total Bid Price
1	5.06	Eagle's Elementary School - Domestic	
2	221000	Eagle's Elementary School - Fire	
3	5.07	High School Alternative Building	
4	5.08	High School Woodshop Building	
5	5.09	High School - Domestic	
6	5.10	High School - Fire	
Total Schedule 8:			

CITY OF UNALASKA
DEPARTMENT OF PUBLIC WORKS
UNALASKA BACKFLOW PREVENTION PROJECT

Schedule 9: Ports Fund

Item No.	Spec. No. Dwg. No.	Work Description	Total Bid Price
1	3.02	Bobby Storrs Small Boat Harbor - A&B Float	
2	221000	Bobby Storrs Small Boat Harbor - C Float	
3	3.03	US Coast Guard Shack	
4	221000	Unalaska Marine Center - Dock 3, Water Service #4	
5	221000	Unalaska Marine Center - Dock 4, Water Service #5	
6	221000	Unalaska Marine Center - Dock 6, 7 & 8, Water Services	
7	221000	Light Cargo Dock	
8	5.21	Carl E. Moses Boat Harbor - Shop & Shower	
9	221000	CEM A Float	
10	221000	CEM B Float	
11	221000	CEM C Float	
12	221000	Spit Dock	
13	2.02	Spit Dock Tideflex 4"	
BP-10 of 12 Total Schedule 9:			

CITY OF UNALASKA
DEPARTMENT OF PUBLIC WORKS
UNALASKA BACKFLOW PREVENTION PROJECT

Schedule 10: Airport Fund

Item No.	Spec. No. Dwg. No.	Work Description	Total Bid Price
1	5.20	Airport Terminal - Domestic	
2	221000	Airport Terminal - Fire	
Total Schedule 10:			

CITY OF UNALASKA
DEPARTMENT OF PUBLIC WORKS
UNALASKA BACKFLOW PREVENTION PROJECT

Schedule 11: Housing Fund

Item No.	Spec. No. Dwg. No.	Work Description	Total Bid Price
1	5.19	School 4 Plex	
2	221000	City 8 Plex - Domestic	
3	221000	City 8 Plex - Fire	
Total Schedule 11:			

City of Unalaska BPAs: All City Service Locations			Location or Drawing Reference	Service Type	Size (Inches)	Device Type	Device Certification Only
General							
	Parks, Culture and Recreation:						
		Burma Road Chapel	Dwg 5.01	Domestic	3/4	RPBA	
		Kelty Field	Dwg 5.02	Domestic	1 1/2	RPBA	
		Multi-Purpose Court	Dwg 3.01	Domestic	3/4	RPBA	
		PCR Community Center	Dwg 5.03	Domestic	2	RPBA	
		S 5th Street and East Broadway Ave - in building	Fire	4	DCVA	X	
		Sitka Spruce Park	Dwg 5.04	Domestic	1	RPBA	
		Tutiakoff Field	Dwg 5.05	Domestic	3/4	RPBA	
	Amaknak Fire Hall		Dwg 5.11	Domestic	3/4	RPBA	
			2713 Airport Beach Road - in building	Fire	3	DCVA	X
	City Hall		Dwg 5.12	Domestic	2	RPBA	
			43 Raven Way - in building	Fire	4	DCVA	X
	City Library		Dwg 5.13	Domestic	1 1/2	RPBA	
			Dwg 5.14	Fire	4	DCVA	
	Museum of the Aleutians		Dwg 5.15	Domestic	1 1/2	RPBA	
			314 Salmon Way - in building	Fire	4	DCVA	X
	Public Safety		Dwg 5.17	Domestic	2	RPBA	
			Dwg 5.18	Fire	4	DCVA	
	Public Works Utilities Building - Wash Bay		997 East Broadway - in building	Domestic	3/4	RPBA	X
	Public Works Utilities Building		Dwg 5.24	Domestic	2	RPBA	
			1035 East Broadway - in building	Fire	4	DCVA	X
	Public Works UPCH - Post Hydrant		Dwg 4.02	Domestic	2	RPBA	
Schools							
	Eagle's Elementary School	Dwg 5.06	Domestic	2	RPBA		
		501 East Broadway - in building	Fire	4	DCVA	X	
	High School Alternative Building	Dwg 5.07	Domestic	3/4	RPBA		
	High School Woodshop Building	Dwg 5.08	Domestic	3/4	RPBA		
	High School	Dwg 5.09	Domestic	3	RPBA		
		Dwg 5.10	Fire	4	DCVA		
Housing							
	City 8 Plex	18 Ptarmigan Road - in building	Domestic	2	DCVA	X	
		18 Ptarmigan Road - in building	Fire	2	DCVA	X	
	School 4 Plex	Dwg 5.19	Domestic	1 1/4	DCVA		
Airport							
	Airport Terminal	Dwg 5.20	Domestic	2	RPBA		
		105 Terminal Drive - in building	Fire	6	DCVA	X	

City of Unalaska BPAs: All City Service Locations			Location or Drawing Reference	Service Type	Size (Inches)	Device Type	Device Certification Only
Ports							
	Carl E. Moses Boat Harbor						
		CEM A Float	Henry Swanson Drive - in subsurface vault	Domestic	3	RPBA	X
		CEM B Float	Henry Swanson Drive - in subsurface vault	Domestic	3	RPBA	X
		CEM C Float	Henry Swanson Drive - in subsurface vault	Domestic	3	RPBA	X
		CEM Shop and Showers	Dwg 5.21	Domestic	2	RPBA	
	Bobby Storrs Small Boat Harbor						
		A&B Float	Dwg 3.02	Domestic	1 1/2	RPBA	
		C Float	End of South Pacesetter Way - in subsurface vault	Domestic	1 1/2	RPBA	X
	Light Cargo Dock		2481 Ballyhoo Road - in subsurface vault	Domestic	3	RPBA	X
	Spit Dock		2633 Ballyhoo Road - in subsurface vault	Domestic	3	RPBA	X
	Unalaska Marine Center						
		UMC - Dock 3, Water Service #4	731 Ballyhoo Road - in subsurface vault	Domestic	3	RPBA	X
		UMC - Dock 4, Water Service #5	673 Ballyhoo Road - in subsurface vault	Domestic	4	RPBA	X
		UMC - Dock 6,7,&8, Water Service	655 Ballyhoo Road - in subsurface vault	Domestic	4, 4 & 4	RPBA	X
		USCG Shack	Dwg 3.03	Domestic	3/4	RPBA	
		USCG Dock UMC 1&2 Water service 1	In USCG Shack (Dwg 3.03).	Domestic	4	RPBA	X
		USCG Dock UMC 1&2 Water service 2	In USCG Shack (Dwg 3.03).	Domestic	4	RPBA	X
		USCG Dock UMC 1&2 Water service 3	In USCG Shack (Dwg 3.03).	Domestic	3	RPBA	X
Public Utilities							
	Electric						
		New Power House	Dwg 5.22	Domestic	2	RPBA	
			1700 East Point Road - in building	Fire	4	DCVA	X
		Old Power House	Dwg 5.23	Domestic	1	RPBA	
	Landfill						
		City Baler Facility	Dwg 5.16	Domestic	2	RPBA	
			1181 Summer Bay Road - in building	Fire	6	DCVA	X
		Bay View Ave. Vault	Dwg 3.04	Domestic	10	RPBA	
		Leachate Tank	1181 Summer Bay Road - in building	Domestic	3/4	RPBA	X
	Wastewater						
		Wastewater Treatment Plant	19 Gilman Road - in building	Domestic	2	RPBA	X
			19 Gilman Road - in building	Fire	4	DCVA	X
		Wastewater Collection - Mobile RPBA	Dwg 1.02 - Portable	Domestic	1 1/2	RPBA	
	Water						
		Well House 1	1062 East Broadway - in building	Fire	1 1/2	DCVA	X
		Well House 2	1352 East Broadway - in building	Fire	1	DCVA	X
		Well House 3	1354 East Broadway - in building	Fire	1	DCVA	X
		Pyramid Water Treatment Plant	1300 Pyramid Creek Road - in building	Fire	2	DCVA	X
		UPCH	1057 East Broadway - in building	Fire	2	DCVA	X