

Agency: Commerce, Community and Economic Development**Grants to Municipalities (AS 37.05.315)****Grant Recipient: Pelican****Federal Tax ID: 92-6000158****Project Title:****Project Type: Remodel, Reconstruction and Upgrades****Pelican - Water and Sewer Improvements****State Funding Requested: \$214,000****House District: 2 / A**

One-Time Need

Brief Project Description:

Water and sewer improvements to fulfill the EPA STAG grant match requirements to comply with Safe Drinking Water Act and EPA water discharge regulations.

Funding Plan:

Total Project Cost:	\$1,764,000
Funding Already Secured:	(\$200,000)
FY2013 State Funding Request:	(\$214,000)
Project Deficit:	\$1,350,000

Funding Details:

The balance of the EPA STAG funds, \$505,396.59, will be matched by the State of Alaska appropriation to the City of Pelican, which will provide \$413,506.30. At this time the State of Alaska has appropriated \$200,000 to match EPA STAG funds. Therefore, this Amendment 2 project cost will not exceed \$444,444.00, which is the sum of the City match and STAG contribution, given a 45% and 55% split respectively.

Detailed Project Description and Justification:

The City of Pelican is undergoing substantial improvements to its water system to comply with Safe Drinking Water Act regulations. Construction of the water distribution system will occur in 2010.

The City was awarded dedicated funds through the U.S. Environmental Protection Agency (EPA) State & Tribal Grant Program for water treatment improvements and sewage lift station upgrades. We planned to use Village Safe Water funds for the EPA match requirement. However, VSW funds are federal funds and cannot be used to match the EPA funds.

The total EPA award is \$1,764,000.00.

55% EPA funds total \$970,000, and

45% local match total \$794,000

FY-2010 Designated Legislative Grant Number 11--DC-332 in the amount of \$200,000 satisfied a portion of the EPA STAG grant local match requirement. The City has expended \$464,603 of the \$970,000 US EPA funds available. The City requests a legislative grant of \$214,000 to leverage the remaining funds available from the EPA State & Tribal Grant Agreement (XP-96027601-2). These funds are crucial to our efforts to provide safe drinking water to residents of Pelican.

Project Timeline:

Construction to continue through 2012-13.

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

City of Pelican

Grant Recipient Contact Information:

Name: Clint Bean
Title: Mayor
Address: P.O. Box 737
Pelican, Alaska 99832
Phone Number: (907)735-2202
Email: mayor@pelicancity.org

Has this project been through a public review process at the local level and is it a community priority? Yes No

Pelican, Alaska
EPA Grant XP-96027601
Water and Sewer Improvement Project
Amendment 2

I. Summary of Project

The City is requesting a grant amendment in order to (i) extend the grant project period to December 31, 2012, (ii) amend the scope of the grant to include drinking water distribution system construction, and (iii) continue matching the Federal grant with 45% state contribution.

The amendment 2 request is a no cost grant amendment: no additional Federal funds are being added and the original EPA budget categories remain the same.

Contractual:	\$ 564,000
Construction:	<u>\$1,200,000</u>
Total estimated project costs:	\$1,764,000

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The City of Pelican is optimistic that the State of Alaska will award \$213,506.30 to match the balance of the EPA STAG \$260,952 funds in State FY 2012 (This would be available July 2011).

II. Project Background

In 2006, the City of Pelican submitted an EPA STAG project application, which included a state Village Safe Water (VSW) match to the EPA Stag funds. The VSW match was deemed ineligible to match the STAG funds. In 2009, the State of Alaska partly funded a direct match to the Pelican EPA STAG grant match. The City of Pelican amended their earlier application (amendment no. 1). The key project objective of amendment no. 1 to the STAG application was to construct the new water plant. The water plant is now on line, paid for with the STAG grant, City of Pelican matching funds, and other (VSW) funds.

The next phase of work and the subject of this amendment is construct water distribution and sewer collection improvements in Mussel Heights at the north end of Pelican. Replacement of the existing water distribution system is essential to eliminate leaks and residential water wasting, which latter is the primary means of keeping the water system from freezing. The new water main will circulate water (and heat) and residences are equipped fractional horsepower circulation pumps to keep the supply and return service lines from freezing. The wastewater system upgrade includes replacing individual sewage outfalls that discharge to Lisianski Inlet with a pressure sewer system. The Mussel Heights pressure sewer system will discharge to the community gravity collection system.

This project has undergone NEPA review and approval.

III. **Key Project Objectives**

The primary objective of this amendment is to provide circulating water distribution main and potable water service to 24 residences and a pressure sewer collection system to 13 residences. All of the work is located on the north end of the community of Pelican in an area referred to as Mussel Heights.

IV. **Work Plan Elements**

Work plan elements include construction of a circulating distribution water main, appurtenant circulating water services, .

The work will be broken up into Construction work and Contractor work. Accordingly:

Contractual Work – The principal contract is for construction management services. The construction manager will plan the construction, provide the site superintendent and mechanical services, supervise local labor, and procure and expedite material.

The electrical contractor will install heat trace, in-house water service circulators, and wire the controls and power for the pressure sewer system pumps.

The engineering contractor will provide construction support, design clarification, and key inspection services.

Construction Work – This consists of material and freight procurement.

Note that labor is not paid by the STAG project but is paid for by the City or other City grant(s). No labor but contract labor will be paid hereunder.

Scope: Mussel Heights Water and Sewer Improvements

Task 1 – Drinking Water Improvements

- a. Arctic Circulating Water Main, 6-inch and 4-inch size (3400 lf)
- b. Arctic Water Services (24 each)

Task 2 – Sewer Improvements

- a. Arctic Gravity Main (400 lf)
- b. Arctic Pressure Main (1750 lf)
- c. Arctic Pressure Services and Grinder Pump Station (13 each)

V. Schedule

Work is scheduled for the Summer 2011. Material and equipment will be procured during the Summer of 2011. The construction should be complete by August 2012. Project close out (including punch list items) should be completed by December 31, 2012.

VI. Budget

The estimated cost of the full Mussel Heights project is \$1,545,720, which neglects any home office overhead, profit, or contingency. The estimated Labor costs of \$497,190 will be paid by other City grants. The STAG eligible non-labor costs on the project are as follows:

<i>Construction</i> (Material and Equipment only):	\$878,530
<i>Contractual</i> (Construction Management, electrical and engineering):	<u>\$170,000</u>
.	Total: \$1,048,530

The balance of fully leveraged STAG funds is \$918,902.89. The difference between STAG eligible non-labor cost estimate and the balance of the STAG funds is \$129,627.11, which will be paid by other City secured grants.

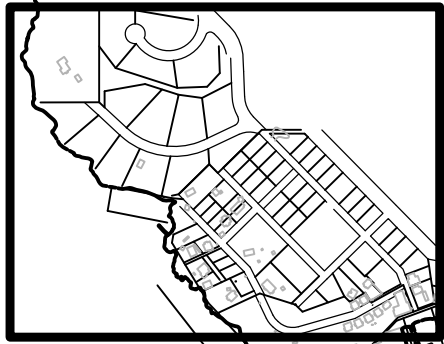
Summarizing:

	STAG Funds	Other City Funds	Total
Labor		\$497,190	\$497,190
Construction Cost	\$748,902	\$129,628	\$878,530
Contractual Cost	\$170,000		\$170,000
Total	\$918,902	\$626,818	\$1,545,720

"Construction Cost" includes material, equipment, and Freight costs.

VII. REPORTING

The recipient agrees to provide bi-annual performance reporting. Report will consist of work accomplished to date, schedule deviations, work planned for the next half year (revised scheduling), funds expended to date, and budget / expenditures analysis.



**MUSSEL
HEIGHTS
VICINTY**

Lisianski Inlet



PELICAN WATER AND SEWER IMPROVEMENTS

**PHASE III MUSSEL HEIGHTS WATER AND
SEWER IMPROVEMENTS**

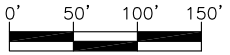
MUSSEL HEIGHTS VICINTY MAP

Date
DEC. 2010

Figure
3



PLAN: MUSSEL HEIGHTS AREA



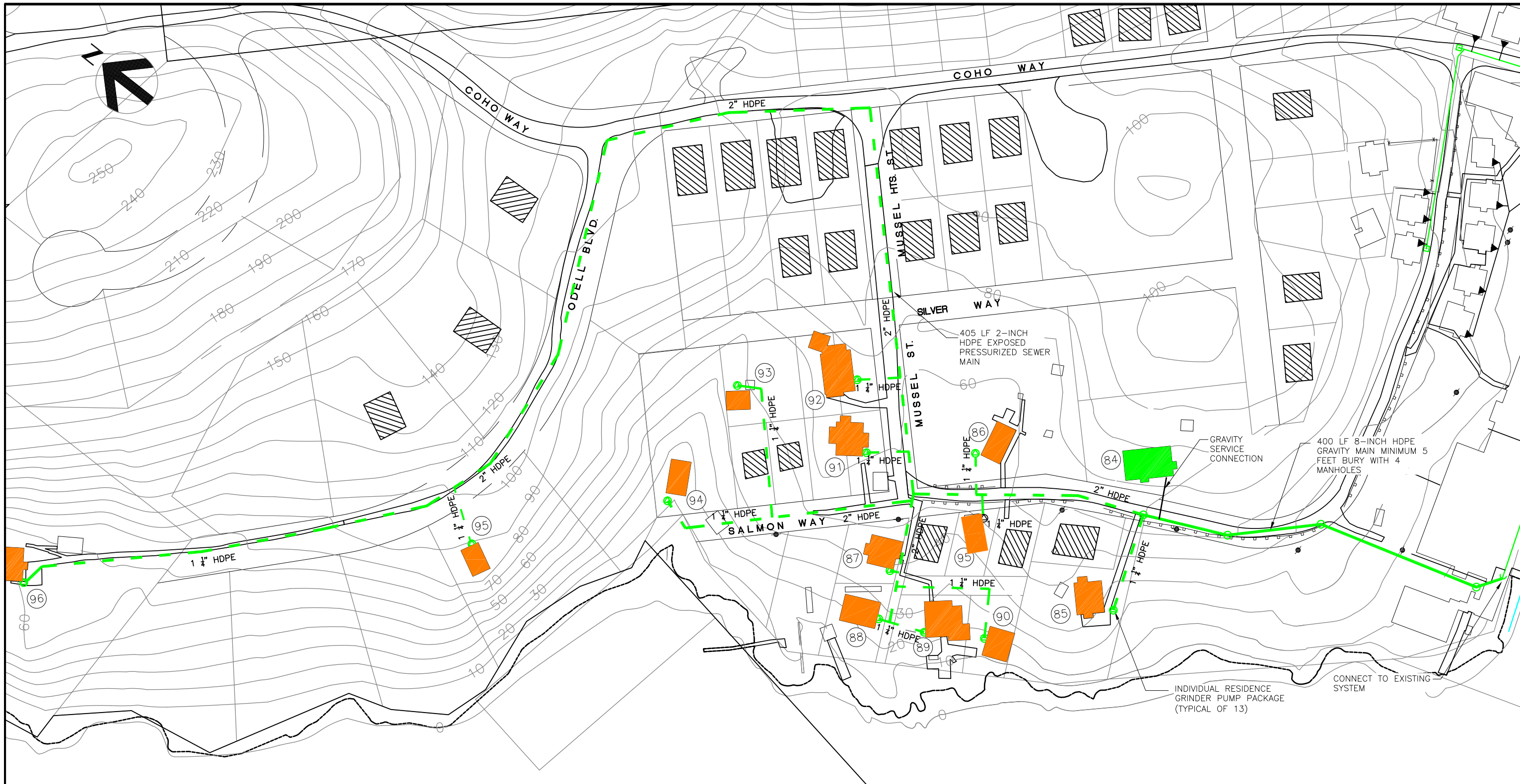
- LEGEND:
- EXISTING COMMERCIAL/PUBLIC BUILDING
 - EXISTING RESIDENTIAL BUILDING
 - FUTURE RESIDENTIAL BUILDING
 - EXPOSED WATER MAIN
 - BURIED WATER MAIN

NOTES:
 1. DEPICTION OF EXISTING BUILDINGS AS RESIDENTIAL OR COMMERCIAL IS BASED ON COMMUNITY INFORMATION AVAILABLE AT THE TIME OF THIS STUDY AND IS APPROXIMATE.



City of Pelican
 Water & Sewer Design Analysis Report
**PHASE III WATER SYSTEM
 UPGRADE**

Date
OCT 2010
 Figure
1



LEGEND:

- EXISTING COMMERCIAL/PUBLIC BUILDING
- EXISTING RESIDENTIAL BUILDING
- FUTURE RESIDENTIAL BUILDING
- EXISTING SEWER SYSTEM
- PROPOSED GRAVITY SEWER
- PROPOSED PRESSURE SEWER
- NEW MANHOLE
- NEW INDIVIDUAL GRINDER PUMP



PLAN: MUSSEL HEIGHTS AREA



City of Pelican
Water & Sewer Design Analysis Report
**PHASE III SEWER SYSTEM
UPGRADE**

Date
OCT 2010

Figure
2

Pelican, Alaska
EPA Grant XP-96027601
Water Treatment and Lift Station Improvement Project
Amendment 2 BUDGET

Section	description	Labor (by others)	Material / Frieght Costs (STAG)	Contract Costs (STAG)	Totals
10.00	Site Work -- material and equipment costs to prepare for installation of piping including brushing, hand digging, demolition and re-construction of boardwalk, and the like. Materials are incidental to the work				
10.10	Water and Sewer Main site work	\$80,740	\$26,000		\$106,740
10.20	Water Services Only	\$22,500	\$4,500		\$27,000
10.20	Water and Sewer Services Site Work	\$65,150	\$11,080		\$76,230
	Subtotal site work =	\$168,390	\$41,580		\$209,970

20.00	Project materials -- large procurement, freight				
20.01	Water Main Materials		\$206,450		\$206,450
20.01	Water Service Materials		\$126,000		\$126,000
20.02	Sewer Main Materials		\$88,000		\$88,000
20.02	Sewer Service Materials		\$249,750		\$249,750
	Subtotal Material =		\$670,200		\$670,200

30.00	Project Labor -- pipelayers, equipment operators, spotters, plumbers, and laborers.				
30.01	Install Water System	\$195,770	\$34,000		\$229,770
30.02	Install Sewer System	\$116,030	\$10,750		\$126,780
	Subtotal installation =	\$311,800	\$44,750		\$356,550

50.00	General Conditions				
50.01	Superintendency			\$113,000	\$113,000
50.02	Field Office / project management			\$20,000	\$20,000
50.03	Survey / engineering			\$13,000	\$13,000
50.04	Quality: testing and submittals			\$15,000	\$15,000
50.05	small tools and consumables		\$7,000		\$7,000
50.06	Equipment		\$50,000		\$50,000
50.07	Freight		\$65,000		\$65,000
50.08	Project maintenance	\$7,000		\$3,000	\$10,000
50.09	Subistence / Camp	\$10,000			\$10,000
50.10	Travel			\$6,000	\$6,000
	Subtotal General Conditions =	\$17,000	\$122,000	\$170,000	\$309,000

Totals = \$497,190 \$878,530 \$170,000 \$1,545,720

Cost estimate numbers are from the *City of Pelican, Alaska, Water and Sewer Improvements Phase 3 Mussel Heights District -- Budgetary Cost Estimate*, dated December 15, 2010, by Alaska Construction Management Inc, working as a subconsultant to HDR, the design consultant.