

MATANUSKA-SUSITNA BOROUGH ACTION MEMORANDUM**AM No. 22-023**

SUBJECT: Award of bid number 22-077B to Pinnacle Construction, Inc. for the contract amount of \$482,890.00 to construct a water storage tank for Station 12-5.

AGENDA OF: April 5, 2022**ASSEMBLY ACTION:**

*Approved Under the Consent
Agenda 4-5-22 (BOM)*

MANAGER RECOMMENDATION: Present to the Assembly for consideration.

APPROVED BY MICHAEL BROWN, BOROUGH MANAGER: *MB*

Route To:	Department/Individual	Initials	Remarks
	Purchasing Officer	<i>QA</i>	
	Public Works Director	<i>TDL</i>	<i>22 Apr 2022</i>
	Finance Director	<i>QX</i>	
	Borough Attorney	<i>NS</i>	
	Borough Clerk	<i>Ann 3/28/22</i>	<i>(BOM)</i>

ATTACHMENT (S): Fiscal Note: Yes X No
Analysis Sheet (1p)
Scope of Work (5p)

SUMMARY STATEMENT: On February 7, 2022, the Matanuska-Susitna Borough Purchasing Division issued a solicitation requesting bids from qualified contractors to design and build a 33,000 gallon fire suppression water storage tank, pump, and paved area to provide water supply for firefighting apparatus tank filling. Construction Services purchased will support the Emergency Services Department in assembly district #2.

In response to the advertisement, five bids were received. Award recommendation is being made to Pinnacle Construction, Inc. as the lowest responsive and responsible bidder based on Total Bid Amount.

The substantial completion date for this project is October 14, 2022 with the final completion of October 31, 2022.

In accordance with MSB 3.08.170(B), Administration requests authority to modify the resulting contract completion date by 30 days for unforeseen circumstances.

The Public Works Department, Project Management Division will be administering the contract.

RECOMMENDATION OF ADMINISTRATION: Award of **BID NUMBER 22-077B** to **PINNACLE CONSTRUCTION, INC.** for the contract amount of **FOUR HUNDRED EIGHTY-TWO THOUSAND EIGHT HUNDRED NINETY DOLLARS AND 00/100 CENTS (\$482,890.00)** to construct a water storage tank for Station 12-5.

**MATANUSKA-SUSITNA BOROUGH
FISCAL NOTE**

Agenda Date: April 5, 2022

SUBJECT: Award of bid number 22-077B to Pinnacle Construction, Inc. for the contract amount of \$482,890.00 to construct a water storage tank for Station 12-5.

ORIGINATOR: Purchasing

FISCAL ACTION (TO BE COMPLETED BY FINANCE)	FISCAL IMPACT <u>YES</u> NO
AMOUNT REQUESTED <u>\$482,890.00</u>	FUNDING SOURCE <u>Multiple Projects / F258 operating</u>
FROM ACCOUNT # <u>405.000.000 422.222 / 258.000.000 422.222</u>	PROJECT # <u>45287/45089</u>
TO ACCOUNT :	PROJECT #
VERIFIED BY: <u>Paul Winkler</u>	CERTIFIED BY:
DATE: <u>3-23-22</u>	DATE:

EXPENDITURES/REVENUES:

(Thousands of Dollars)

OPERATING	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel Services						
Travel						
Contractual	<u>33.2</u>					
Supplies						
Equipment						
Land/Structures						
Grants, Claims						
Miscellaneous						
TOTAL OPERATING	<u>33.2</u>					

CAPITAL	<u>449.7</u>					
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REVENUE						
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FUNDING:

(Thousands of Dollars)

General Fund						
State/Federal Funds						
Other	<u>482.9</u>					
TOTAL	<u>482.9</u>					

POSITIONS:

Full-Time						
Part-Time						
Temporary						

ANALYSIS: (Attach a separate page if necessary)

PREPARED BY:

DEPARTMENT:

APPROVED BY:

PHONE:

DATE:

DATE:

Chryenne O'Neil

3/23/2022

~PRELIMINARY RESULTS~

MATANUSKA-SUSITNA BOROUGH: PURCHASING

BID OPENING ANALYSIS SHEET

22-077B Station 12-5 Water Storage Design Build

BIDDER		JGH Plumbing Heating	AK Const. Serv. Corp.	AK Diversified Const.
Signed Bid Form		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Receipt of Addendum - #1 & #2		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Bid Guarantee		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
BID ITEM	DESCRIPTION	TOTAL BID AMOUNT	TOTAL BID AMOUNT	TOTAL BID AMOUNT
1.	Provide all supplies, design and perform all work as described in the Bid Document, attachments and addenda	\$ 577,000.00	\$ 830,000.00	\$ 509,000.00

BIDDER		KAE, Inc.	Pinnacle Const, Inc.	
Signed Bid Form		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Receipt of Addendum - #1 & #2		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Bid Guarantee		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
BID ITEM	DESCRIPTION	TOTAL BID AMOUNT	TOTAL BID AMOUNT	TOTAL BID AMOUNT
1.	Provide all supplies, design and perform all work as described in the Bid Document, attachments and addenda	\$ 876,393.21	\$ 482,890.00	\$

RECOMMENDATION: ALL BIDS ARE TAKEN UNDER ADVISEMENT

March 1, 2022

DATE

PURCHASING OFFICER

PURCHASING REPRESENTATIVE

PURCHASING REPRESENTATIVE

PROJECT MANAGER

WITNESS

WITNESS

WITNESS

Am 2023

BID #22-077B
STN 12-5 WATER STORAGE DESIGN BUILD
SCOPE OF WORK

The Matanuska-Susitna Borough requests bids from interested contractors to design and build a 33,000 gallon fire suppression water storage tank, pump, and paved area to provide water supply for firefighting apparatus tank filling.

Contractor shall design, provide all materials, construct and/or install a 33,000 gallon underground water storage tank, an electrically driven submersible pump with a 4" Storz outlet and cap that is capable of filling fire apparatus tanks at 300 gallons per minute at the apparatus fill point, a separate 6" diameter riser with Storz fitting for drafting and filling reservoir with tankers if desired. It is expected that the tank will be buried deep enough to not freeze. Insulation can be provided above the tank to also prevent freezing. Contractor to provide design analysis showing that the water in the tank won't freeze. The above ground plumbing items and control panel are to be protected by a heated and insulated weather shelter with interior lighting to have sufficient room for adapters and hoses. The pump operating panel is to be placed on the exterior side of the weather enclosure protected from the high pressure above ground plumbing lines. Protect this enclosure with bollards. The top of the tank should be fitted with a manway cover for inspection and maintenance purposes. The tank is to be supplied by an underground water fill line plumbed from domestic water source inside fire station and heat traced. Provide a paved access pad and driveway to support filling operation of fire apparatus up to 80,000 pounds with consideration of apparatus turning radius.

Contractor shall provide AK-stamped engineer drawings and gain Owner approval of the design at 95% and final design completion, along with shop drawings, before construction. Contractor shall install geotextile, and back fill with NFS material to support an approved drainage plan and based on results and recommendations of the attached geotechnical investigation report. Debris and tree waste shall be disposed of off-site. Contractor shall construct a paved area to support fire apparatus tank filling operations, provide and install all associated attachments, plumbing connections, and freeze protection to support proper year-round operation of this tank and pump. Contractor shall connect to the existing electrical service line at the Crystal Lakes Fire Station.

FACILITY LOCATION:

26470 W Shirley Lake Drive in Willow, Alaska (See attached drawings and maps.)

PERMITS:

Contractor is responsible for securing permits from State Fire Marshal and Fire Code Official, and other Authorities Having Jurisdiction.

LIMITING AREA FACTORS:

The construction site is an area on the east side of the fire station, on a parcel owned by the Mat-Su Borough.

A geotechnical investigation was conducted in 2014. The soils test revealed that poorly graded gravels and sands are present in this area. The results of that investigation are included as an attachment to this solicitation.

PROTECTION OF ADJACENT AREAS:

Areas and items not under construction, which are in contact with or adjacent to the construction zone, shall be removed or protected prior to operations. Items removed prior to construction shall be replaced. The Contractor shall be responsible for coordinating these activities with the Owner's representative.

CLEAN UP AND INSPECTION:

The contractor shall be responsible for clean-up and securing his work area on a daily basis. The project work area at the completion of the contract shall be free of debris and shall be subject to a final inspection by the Project Manager and Fire Chief prior to final contract payment.

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TIME OF PERFORMANCE:

Substantial Completion: October 14, 2022 with Final Completion: October, 31 2022

SECTION 15195

UNDERGROUND FIRE WATER STORAGE TANKS

PART 1-GENERAL

1.1 SUMMARY

Provide tank and pump as described in the scope of work.

1.2 REFERENCES

- A. Uniform Plumbing Code (UPC).
- B. International Fire Code (IFC).
- C. UL 58 Standard for Safety for Steel Underground Tanks for Flammable and Combustible Liquids
- D. If contractor desires to propose a steel tank, Steel Tank Institute (STI) Standards will apply:
STI 13: Liquid and Gas Storage Tanks / Dual-Wall Corrosion-Protected Underground Steel Storage Tanks.
- E. ANSI/AWWA Standard D102-03 Coating Steel Water-Storage Tanks.

1.3 SYSTEM DESCRIPTION

Provide UST-1 system to provide a stand-alone 33,000 gallon non-potable reserve fire water storage volume. The tank operates independently from the fire protection system.

1.4 SUBMITTALS

- A. Refer to Division 1 General Requirements, for general submittal requirements.
- B. Product Data:
Provide manufacturers' product literature, clearly annotated to indicate specified salient features and performance criteria for each product specified.
- C. Shop Drawings:
Provide scaled shop drawings which incorporate the following installation information:
 - a. Overall storage tank dimensions, fitting locations and sizes.
 - b. Tank appurtenances.
 - c. Elevation drawing showing:
 - 1). Reinforced concrete 'dead man' anchor dimensions, elevation.
 - 2). Tank base, tank top and finished grade elevations.
 - 3). Tank riser orientation and floor penetration location.
 - 4). Cathodic protection service manhole location.
- D. Quality Assurance/Control Submittals:
 - 1. Design Data, Test Reports:
 - a. Provide air pressure test documentation for each tank pressure test required by the manufacturer's installation instructions.
 - 2. Certificates, Manufacturer's Instructions, and Manufacturer's Field Reports:
 - a. Provide a complete manufacturer's written installation, operation and maintenance manual for each type of installed equipment. Clearly annotate the manual to indicate applicable information for the specific equipment model(s) installed.
 - b. Provide tank calibration chart.
 - c. Include with the manual, one (1) copy of the completed and signed installation checklist provided by the tank manufacturer.
 - d. Provide additional documentation as required by Federal and State regulatory agencies.
 - 3. Operation and Maintenance (O&M) Manuals:
 - a. Provide copies of approved submittal information for inclusion within the project O&M Manual.
 - b. Refer to Division 1 General Requirements, for O&M Manual formatting requirements and number of copies required.

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