



**STATE OF ALASKA**  
**Department of Environmental Conservation**  
**Village Safe Water Program**

**Invitation to Bid (ITB)**  
**25-VSW-PTU-021**

**City of Platinum, Alaska**

**Date of Issue: 2/21/2025**

Bidders are not required to return this form.

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STATE OF ALASKA  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
VILLAGE SAFE WATER PROGRAM

**INVITATION TO BID**

for Construction Contract

Date 2/21/2025

**Platinum Exploratory Water Supply Well / 25-VSW-PTU-021**

Project Name and Number

The Department invites bidders to submit bids for furnishing all labor, equipment, and materials and performing all work for the project described below. The Department will only consider bids received **before 2:00 PM local time (per the Department's time source) on the 14<sup>th</sup> day of March 2025**. On that date, the Department will assemble, open, and then publicly announce the timely-received bids at 555 Cordova Street, AK 99501, at 2:00 PM, or as soon thereafter as practicable.

Location of Project:	City of Platinum, Alaska
Contracting Officer:	Evan Patterson
Issuing Office:	State of Alaska, Department of Environmental Conservation, Village Safe Water Program (Department)
	State Funded <input type="checkbox"/> Federal Aid <input checked="" type="checkbox"/>

Description of Work: This Invitation to Bid (ITB) is for a well drilling contractor to construct a 6-inch diameter exploratory water supply well(s) in Platinum, Alaska. See Scope of Work, Drawings and attached Specifications for further details. Bidders must contact the procurement officer to receive the following attachments. Attachments will be sent to bidders via [ZendTo](#).

- Platinum Well – Figures
- PER Platinum Water System April 2019
- Platinum Well 202723776 ER FinalR1

The Engineer's Estimate is between \$500,000 and \$1,000,000

All work shall be completed by: **Substantial Completion:** September 30, 2025 , **Final Completion:** December 31, 2025  
The Department will identify interim completion dates, if any, in the Special Provisions.

The apparent successful bidder must furnish a payment bond in the amount of 100% of the contract and a performance bond in the amount of 100% of the contract as security conditioned for the full, complete and faithful performance of the contract. The apparent successful bidder must execute the said contract and bonds within fifteen calendar days, or such further time as may be allowed in writing by the Contracting Officer, after receiving notification of the acceptance of their bid.

**Submission of Bidding Documents**

Bidders shall submit bidding documents through the mail or hand delivery. Bid documents shall be submitted in a sealed envelope marked as follows:

<b>Bidding Documents for Project:</b> <b>Platinum Exploratory Water Supply Well</b> <b>25-VSW-PTU-021</b>	State of Alaska Department of Environmental Conservation Village Safe Water Program 555 Cordova Street, 4 <sup>th</sup> Floor Anchorage, AK 99501 ATTN: VSW Procurement Specialist
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It is incumbent upon the bidder to ensure its bid, any amendments, and/or withdrawal arrive, in its entirety, at the location and before the deadline stated above. A bidder sending a bid amendment or withdrawal via email must transmit its documentation to the Department at this email address: [evan.patterson@alaska.gov](mailto:evan.patterson@alaska.gov).

To be responsive, a bid must include a bid guaranty equal to 5% of the amount bid. *(When calculating the bid amount for purposes of determining the 5% value of the bid guaranty, a bidder shall include its base bid amount, plus the amount bid for alternate and supplemental bid items, if any.)*

The Department hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this Invitation, Disadvantaged Business Enterprises will be afforded full opportunity to submit bids and will not be discriminated against on the grounds of race, color, national origin, or sex in consideration for an award.

## NOTICE TO BIDDERS

The following data may assist a bidder in preparing its bid:

- DOC Form 25D-3, Information to Bidders, and is part of these bid documents.

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### Questions Prior to the Deadline for Receipt of Bids:

All questions shall be addressed in writing and directed to the Procurement Officer. The deadline for submission of questions is 10 days prior to the ITB deadline. This will allow time for an addendum to be issued if one is required. It will also help prevent the opening of a defective proposal. No questions other than written shall be accepted and no response other than written will be binding upon VSW, an addendum will be published and issued to all offerors by email.

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### Other Information:

1. See 00800 Supplemental Conditions:
2. Liquidated Damages: N/A
3. On-Site Work Schedule Limitations: Work in and around the project site shall be conducted only between the hours of 7:00 AM and 7:00 PM Monday through Saturday, unless specifically approved by the Department. Requests for work outside of these hours must be submitted in writing one (1) business day in advance to the VSW Project Manager.
4. Pre-Bid Inspection of Site: N/A
5. Pre-Bid Teleconference: The department is holding a pre-bid teleconference to discuss the ITB on **March 5, 2025 @ 11:00 AM local time**. The purpose of the meeting is to discuss the work to be performed with the prospective bidder and allow them to ask questions concerning the ITB. Questions and answers will be transcribed and sent to prospective bidders as soon as possible after the meeting in the form of an amendment. The procurement officer may request questions to be emailed to the procurement officer after the meeting.
6. Bidders who want to attend the teleconference must contact the procurement officer at least 1 business day in advance, in order for call-in information to be provided. Bidders with a disability needing accommodation should contact the procurement officer prior to the date set for the pre-bid meeting so that reasonable accommodation can be made. The teleconference will be recorded.
7. Authorities: This Invitation To Bid is being solicited by the Department of Environmental Conservation under the authority of AS 46.07.040. The Department is using forms and the General Conditions provided by the State of Alaska, Department of Transportation and Public Facilities.

## SCOPE OF WORK

### Background:

Platinum, Alaska (Platinum) is a village located west of the Red Mountains on a sand and gravel spit between the Bering Sea and Goodnews Bay, Alaska, while the coastal region south of Platinum is covered with wet tundra. The village and the surrounding areas are predominantly level with a gentle slope towards the Bering Sea and Goodnews Bay. Platinum is located approximately 11 miles west of the Village of Goodnews Bay, 123 miles southwest of Bethel and 440 miles west of Anchorage. Platinum lies at approximately 59.013060° North Latitude and -161.816390° West Longitude. (Sec. 32, T013S, R075W, Seward Meridian).

Platinum is in the Bethel Recording District. There is no road access to Platinum, though snow machines, boats, or four-wheelers are used to travel to the nearby village of Goodnews Bay. Platinum is accessible only by aircraft and watercraft. Oceangoing barge is the primary means of shipping goods to Platinum.

### Scope of Work:

A contractor to furnish all labor, equipment, and materials for the construction of 6-inch diameter exploratory water supply well(s) to include the following:

1. Mobilizing, demobilizing, to include acquiring a barge for transportation of the drill rig.
2. Site cleanup and providing "tundra mats" for overland transport of the drill rig in tundra areas as needed for land travel to the proposed well drilling site(s).
3. Drilling and installing 6-inch diameter steel cased well(s) with a track or wheel mounted drill rig.
  - A second well may be needed in the event the first exploratory well requires abandonment due to adverse drilling conditions or lack of/non-acceptable groundwater. The second exploratory well will be drilled in the vicinity of the first exploratory well, i.e., located approximately 200-feet from the first exploratory well.
4. Installing a 10-foot long well screen with a K-packer, gravel pack and blank casing in the completed exploratory water supply well.
5. Grouting of well casing to meet the State of Alaska Department of Environmental Conservation (ADEC) Grouting requirements.
6. Developing and test pumping of the completed exploratory well. Well pumping with discharge well water to the ground surface must comply with State and Federal requirements for surface water discharge that includes temporary erosion control.
7. Installing well casing stick-up approximately 24-inches above the ground surface with a secure locking sanitary well cap.
8. Abandonment of well, if required, in compliance with ADEC requirements for well abandonment.

STATE OF ALASKA  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
**INFORMATION TO BIDDERS**

This Information to Bidders outlines requirements that a bidder must follow when submitting a bid. The Department will reject a noncompliant bid.

**100.01 BIDDERS QUALIFICATIONS**

A bidder shall:

Submit evidence of a valid Department of Commerce, Community, and Economic Development certificate of Contractor Registration (Contractor Registration), under AS 08.18, and submit evidence of a valid Alaska Business License prior to award; and

When requested, submit a completed Contractor's Questionnaire (Form 25D-8) stating previous experience in performing comparable work, business and technical organization, financial resources, and equipment available to be used in performing the work.

Before a bid is considered for award, the bidder may be requested by the Department to submit a statement of facts, in detail, as to his previous experience in performing comparable work, his business and technical organization, financial resources, and plant available to be used in performing the contemplated work.

**100.02 CONTENTS OF BID PACKAGE**

Upon request, the Department will furnish prospective bidders with a bid package, at the price stated in the Invitation To Bid.

The bid package includes the following:

- 1) Location and description of the project;
- 2) Time in which the work must be completed;
- 3) Amount of the bid guaranty;
- 4) Date, time, and place when bids are due;
- 5 Plans and specifications; and
- 6) Bid forms.

Unless otherwise stated in the bid package, the Plans, Contract Provisions and Specifications, Standard Modifications, Special Provisions, permits, forms and any other documents designated in the bid package are considered a part of the bid whether attached or not.

**100.03 EXAMINATION OF CONTRACT REQUIREMENTS**

Bidders are responsible for carefully examining the plans, specifications and all other documents incorporated in the contract to determine the requirements thereof before preparing bids.

Any explanation desired by bidders regarding the meaning or interpretation of drawings and specifications must be requested in writing and with sufficient time allowed for a reply to reach them before the submission of their bids. Oral explanations or instructions given before the award of the contract will not be binding. Any interpretation made will be in the form of an addendum to the specifications or drawings and will be furnished to all bidders and its receipt by the bidder shall be acknowledged.

#### **100.04 CONDITIONS AT SITE OF WORK**

Bidders are responsible for visiting the site to ascertain pertinent local conditions such as the location, accessibility and character of the site, labor conditions, the character and extent of the existing work within or adjacent thereto, and any other work being performed thereon.

#### **100.05 PREPARATION OF BIDS**

- A. A bidder shall prepare its bid using the Department provided bid forms or legible copies of the Department's forms.

The bid must be signed in ink by the person or persons authorized to sign the Contract for the bidder. If a bidder is a corporation, the bid must be signed by a corporate officer or agent with authority to bind the corporation. If a bidder is a partnership, a partner must sign. If the bidder is a joint venture, each principal member must sign. If a bidder is a sole proprietorship, the owner must sign. Each person signing the bid must initial any changes made to entries on the bid forms.

- B. The bid schedule contains empty space(s) that call for the bidder to enter its proposed price for each corresponding item which may include unit price or lump sum items and alternative, optional or supplemental price schedules or a combination thereof which will result in a total bid amount for the proposed construction.
- C. The bidder shall specify the price or prices bid in figures. On unit price contracts the bidder shall also show the products of the respective unit prices and quantities written in figures in the column provided for the purpose and the total amount of the proposal obtained by adding the amounts of the several items. All the figures shall be in ink or typed.
- D. Neither conditional nor alternative bids will be considered unless called for.

#### **100.06 BID SECURITY**

All bids shall be accompanied by a bid security in the amount specified on the Invitation to Bid. The bid security shall be unconditionally payable to the State of Alaska and shall be in the form of an acceptable Bid Bond (Form 25D-14) , or a certified check, a cashier's check or a money order made payable to the State of Alaska.

The surety of a Bid Bond may be any corporation or partnership authorized to do business in Alaska as an insurer under AS 21.09. A legible power of attorney shall be included with each Bid Bond (Form 25D-14).

A Bid Bond must be accompanied by a legible Power of Attorney.

An individual surety will not be accepted as a bid security.

#### **100.07      ADDENDA REQUIREMENTS**

The Department will issue addenda if it determines, in its discretion, that clarifications or changes to the Contract documents or bid due date are needed. The Department may send addenda by any reasonable method such as fax, email, or may post the addenda on its website or online bidding service. Unless picked up in person or included with the bid documents, addenda or notice that an addendum has been issued will be addressed to the individual or company to whom bidding documents were issued and sent to the email address or fax number on the plan holders' list. Notwithstanding the Department's efforts to distribute addenda, bidders are responsible for ensuring that they have received all addenda affecting the Invitation To Bid. Bidders must acknowledge all addenda on the Bid Forms, by fax, or by email before the deadline stated in the Invitation to Bid.

#### **100.08      DELIVERY OF BIDS**

Bids shall be submitted in a sealed envelope. When bids are submitted in a sealed envelope, the envelope shall clearly indicate its contents and the address of the Department's designated contracts office, as specified on the Invitation to Bid. Bids for other work may not be included in the envelope. Emailed or faxed bids will not be considered, unless specifically called for in the Invitation to Bid.

#### **100.09      WITHDRAWAL OR REVISION OF BIDS**

Bids may be withdrawn or revised in writing delivered by mail, fax, or email, provided that the Department's designated office receives the withdrawal or revision before the deadline stated in the Invitation To Bid. Withdrawal requests must be signed and submitted by the bidder's duly appointed representative who is legally authorized to bind the bidder. Revisions shall include both the modification of the unit bid price and the total modification of each item modified but shall not reveal the amount of the total original or revised bids.

#### **100.010      PROTEST OF INVITATION TO BID**

An interested party, as defined in AS 36.30.699, may protest an Invitation to Bid before the bid opening in accordance with AS 36.30.560 and AS 36.30.565. The interested party must submit a protest to the Contracting Officer.

#### **100.011      RECEIPT AND OPENING OF BIDS**

The Department will only consider bids, revisions, and withdrawals received before the deadline stated in the Invitation to Bid.



The Department will assemble, open, and publicly announce bids at the time and place indicated in the Invitation to Bid, or as soon thereafter as practicable. The Department is not responsible for prematurely opening or for failing to open bids that are improperly addressed or identified.

#### **100.012 NONRESPONSIVE BIDS**

1. A bid shall be rejected as nonresponsive if it:
  - a. Is not properly signed by an authorized representative of the bidder and in a legally binding manner;
  - b. Contains unauthorized additions, conditional or alternative bids, or other irregularities that make the bid incomplete, indefinite, or ambiguous;
  - c. Includes a reservation of the right to accept or reject any award, or to enter into a contract pursuant to an award,
  - d. Fails to include an acceptable bid guaranty with the bid;
  - e. Is materially unbalanced; or
  - f. Fails to meet any other material requirement of the Invitation To Bid.
2. A bid may be rejected as nonresponsive, in the Department's discretion, if it:
  - a. Is not typed or completed in ink;
  - b. Fails to include an acknowledgement of receipt of each addendum by assigned number and date of issue; or
  - c. Is missing a bid price for any pay item, except when alternate pay items are authorized.

#### **100.013 BIDDERS INTERESTED IN MORE THAN ONE BID**

A party who has quoted prices to a bidder is not thereby disqualified from quoting prices to other bidders or from submitting a bid directly for the work.

#### **100.014 ELECTRONIC MAIL**

Within its submitted bid, a bidder must include a current electronic mail (email) address of bidder's representative who possesses authority to receive, process, and respond to Department emails regarding the advertised project.

The Department may send notices and information to a bidder by using the furnished email address of the bidder's authorized representative.

A bidder shall notify the Department if the bidder requests the Department to send email notices or information to an address different from the email address initially provided in its bid forms. The bidder shall notify the Department of such change by sending a request in writing to the Contract's point of contact identified on the Invitation to Bid that is signed by a representative who is authorized and empowered to legally bind the bidder.

Delivery of an email sent by the Department is complete upon receipt in the addressee's email account. An email sent after 4:30 pm shall be deemed to have occurred at the opening of business on the next working day.

If needed, the Department may demonstrate proof of email delivery by affidavit or certification that includes the following:

1. The date and time that the Department sent the email message;
2. The email address from which the Department sent the message;
3. The name and email address to which the Department sent the message;
4. A statement that the Department sent the email message and that the person signing the affidavit or certification believes the transmission to have been complete and without error; and
5. An attached copy of the subject email.

#### **100.015        CONSIDERATION OF BIDS**

Until the Award, the Department may reject any or all bids, waive minor informalities or advertise for new bids without liability to any bidder if the Department, in its discretion, determines that to do so is in the best interests of the State.

A bidder may request withdrawal of a bid after opening and before the Award only in accordance with AS 36.30.160(b) and State procurement regulations. The bidder must submit the request to the Contracting Officer.

An interested party, as defined in AS 36.30.699, may protest a proposed Award of contract as per AS 36.30.560 and AS 36.30.565. The bidder must submit the protest to the Contracting Officer.

**WHOLLY STATE-FUNDED PROJECTS.** On wholly state-funded projects, determination of the low bidder will include bidder preferences as required under AS 36.30.321, according to subsections 1-3 below. Alaska Bidder Preference, Alaska Veteran Preference, and Alaska Product Preference are not applicable on projects with federal funding.

1. Alaska Bidder Preference: A bidder claiming this preference shall provide with their bid an Alaska Bidder Preference Certification, certifying they qualify as an Alaska bidder eligible for Alaska Bidder Preference according to AS 36.30.

If the bidder qualifies as an Alaska bidder, a five percent (5%) preference will be applied to the price of the bid. "Alaska bidder" means a person who:

- a. holds a current Alaska business license;
- b. submits a bid for goods, services, or construction under the name as appearing on the person's current Alaska business license;

- c. has maintained a place of business within the state staffed by the bidder or an employee of the bidder for a period of six months immediately preceding the date of the bid;
  - d. is incorporated or qualified to do business under the laws of the state, is a sole proprietorship and the proprietor is a resident of the state, is a limited liability company organized under AS 10.50 and all members are residents of the state, or is a partnership under former AS 32.05, AS 32.06, or AS 32.11 and all partners are residents of the state; and
  - e. If a joint venture, is composed entirely of ventures that qualify under (a) through (d), above.
2. Alaska Veteran Preference: A bidder claiming this preference shall provide an Alaska Veteran Preference Certification, certifying they qualify as an Alaska bidder eligible for Alaska Veteran preference according to AS 36.30.

If a bidder qualifies as an Alaska bidder and is a qualifying entity, an Alaska Veteran Preference of 5 percent shall be applied to the bid price. The preference may not exceed \$5,000 (AS 36.30.321). A “qualifying entity” means a:

- a. sole proprietorship owned by an Alaska veteran;
- b. partnership under AS 32.06 or AS 32.11 if a majority of the partners are Alaska veterans;
- c. limited liability company organized under AS 10.50 if a majority of the members are Alaska veterans; or
- d. corporation that is wholly owned by individuals, and a majority of the individuals are Alaska veterans.

A preference under this section is in addition to any other preference for which the bidder qualifies.

To qualify for this preference, the bidder must add value by the bidder itself actually performing, controlling, managing and supervising a significant part of the services provided or the bidder must have sold supplies of the general nature solicited to other state agencies, governments, or the general public.

An Alaska veteran is a resident of Alaska who:

- 1) served in the Armed forces of the United States, including a reserve unit of the United States armed forces; or the Alaska Territorial Guard, the Alaska Army National Guard, the Alaska Air National Guard, or the Alaska Naval Militia; and
  - 2) was separated from service under a condition that was not dishonorable.
3. Alaska Product Preference: A bidder claiming this preference shall complete and sign the Alaska Product Preference Worksheet, according to the worksheet instructions, and submit the completed worksheet with their bid.

Except for timber, lumber and manufactured lumber products used in the construction project under AS 36.30.322(b), an Alaska products preference will be given as required under AS 36.30.326 - 36.30.332 when the bidder designates the use of Alaska products.

If the successful bidder/contractor proposes to use an Alaska product and does not do so, a penalty will be assessed against the successful bidder/contractor according to AS 36.30.330(a).

Each Alaska product declared on the Alaska Product Preference Worksheet must have an "Approval" date on the Alaska Product Preference Program List, that is on or before the bid opening date for this contract, and that does not expire before the bid opening date for this contract.

#### **100.016 RESPONSIBILITY OF BIDDERS**

The Department may find a bidder is nonresponsible for any one of the following reasons, but is not limited in its responsibility analysis to the following factors:

1. Evidence of bid rigging or collusion;
2. Fraud or dishonesty in the performance of previous contracts;
3. More than one bid for the same work from an individual, firm, or corporation under the same or different name;
4. Unsatisfactory performance on previous or current contracts;
5. Failure to pay, or satisfactorily settle, all bills due for labor and material on previous contracts;
6. Uncompleted work that, in the judgment of the Department, might hinder or prevent the bidder's prompt completion of additional work, if awarded;
7. Failure to reimburse the State for monies owed on any previous contracts;
8. Default under previous contracts;
9. Failure to submit evidence of registration and licensing;
10. Failure to comply with any qualification requirements of the Department;
11. Engaging in any activity that constitutes a cause for debarment or suspension under the State Procurement Code (AS 36.30) or submitting a bid during a period of debarment;
12. Failure to satisfy the responsibility standards set out in state regulations;
13. Lack of skill, ability, financial resources, or equipment required to perform the contract;  
or
14. Lack of legal capacity to contract.

Nothing contained in this section deprives the Department of its discretion in determining the lowest responsible bidder.

## **100.017 SUBCONTRACTOR LIST**

The apparent low bidder shall submit a completed Subcontractor List, Form 25D-5, within five working days following receipt of written notification by the Department that it is the low bidder.

An apparent low bidder who fails to submit a completed Subcontractor List form within the time allowed will be declared nonresponsible and may be required to forfeit the bid security. The Department will then consider the next lowest bidder for award of the Contract.

If a bidder fails to list a subcontractor, or lists more than one subcontractor for the same portion of work, and the value of that work is in excess of one-half of one percent of the total bid amount, the bidder agrees to perform that portion of work without a subcontractor and represents that it is qualified to perform that work.

A bidder who lists as a subcontractor another contractor who, in turn, sublets the majority of the work required under the Contract, violates this subsection.

A bidder or Contractor may, without penalty, replace a listed subcontractor who:

- 1) Fails to comply with licensing and registration requirements of AS 08.18;
- 2) Fails to obtain a valid Alaska business license;
- 3) Files for bankruptcy or becomes insolvent;
- 4) Fails to execute a subcontract for performance of the work for which the subcontractor was listed, and the bidder acted in good faith;
- 5) Fails to obtain bonding acceptable to the Department;
- 6) Fails to obtain insurance acceptable to the Department;
- 7) Fails to perform the subcontract work for which the subcontractor was listed;
- 8) Must be replaced to meet the bidder's required state or federal affirmative action requirements;
- 9) Refuses to agree or abide with the bidder's labor agreement; or
- 10) Is determined by the Department to be not responsible.

In addition to the circumstances described above, a Contractor may in writing request permission from the Department to add a new subcontractor or replace a listed subcontractor. The Department will approve the request if it determines in writing that allowing the addition or replacement is in the best interest of the State.

A bidder or Contractor shall submit a written request to add a new subcontractor or replace a listed subcontractor to the Contracting Officer a minimum of five working days before the date the new subcontractor is scheduled to begin work on the construction site. The request must state the basis for the request and include supporting documentation acceptable to the Contracting Officer.

If a bidder violates this subsection, the Contracting Officer may:

- 1) Cancel the Contract after Award without any damages accruing to the Department; or
- 2) After notice and a hearing, assess a penalty on the bidder in an amount not exceeding 10 percent of the value of the subcontract at issue.

#### **100.018 AWARD OF CONTRACT**

The Department will award the Contract to the lowest responsible and responsive bidder unless it rejects all bids. The Department will notify all bidders in writing via email, fax, or U.S. Mail of its intent to award.

In order to establish a clear and definitive basis of award for contracts with additive alternates, the State has established a budgeted amount from which the order of bidders will be determined. The amount will be disclosed when timely received bids are announced. The low bid will be determined by considering the basic bid and additive alternate(s) in the order listed on the Bid Schedule up to a total not to exceed the budgeted amount. The State reserves the right to reject all bids. The State also reserves the right to award the contract above or below the budgeted amount to the low bidder based on any combination of alternate(s) or no alternate(s), providing that the low bidder remains unchanged.

The Department will notify the successful bidder in writing of its intent to award the Contract and request that certain required documents, including the Contract Form, bonds, and insurance be submitted within the time specified. The successful bidder's refusal to sign the Contract and provide the requested documents within the time specified may result in cancellation of the notice of intent to award and forfeiture of the bid security.

If an award is made, it will be made as soon as practicable and usually within 40 days after bid opening. Award may be delayed due to bid irregularities or a bid protest, or if the award date is extended by mutual consent. Bids shall be valid for 120 days after bid opening, and may be extended by mutual consent.

#### **100.019 RETURN OF BID SECURITY**

The Department will return bid securities, other than bid bonds:

1. To all except the two lowest responsive and responsible bidders, as soon as practicable after the opening of bids; and
2. To the two lowest responsive and responsible bidders immediately after Contract award.

#### **100.020 PERFORMANCE AND PAYMENT BONDS**

The successful bidder shall furnish all required Performance and Payment Bonds on forms provided by the Department for the sums specified in the Contract. If no sum is specified, the successful bidder shall comply with AS 36.25.010. The Surety on each bond may be any corporation or partnership authorized to do business in the state as an insurer under AS 21.09 or two individual sureties approved by the Contracting Officer.

If individual sureties are used, two individual sureties must each provide the Department with security assets located in Alaska equal to the penal amount of either the performance bond or the payment bond. Any costs incurred by the Contractor and the individual Surety are subsidiary and shall be borne by the Contractor or the individual Surety. In no event will the Department be liable for these costs.

Individual sureties shall provide security by one, or a combination, of the following methods:

1. Escrow Account, with a federally insured financial institution, in the name of the Department. Acceptable securities include, but are not limited to, cash, treasury notes, bearer instruments having a specific value, or money market certificates.
2. Irrevocable letters of credit, from a financial institution approved by the Contracting Officer, with the Department named as beneficiary.
3. Cashier's or certified check made payable to the State of Alaska issued by financial institutions approved by the Contracting Officer.

These bonds and security assets, as applicable, shall remain in effect for 12 months after the date of final payment or, if longer, until all obligations and liens under this Contract are satisfied, including, but not limited to, obligations under General Conditions, Subsection 12.7.

The Department may, in its discretion, notify the bonding company or Surety of any potential default or liability.

The Contractor shall substitute, within five working days, another bond or surety acceptable to the Department if an individual Surety or the Surety on any bond furnished in connection with the Contract:

1. Becomes insolvent or is declared bankrupt;
2. Loses its right to do business in any state affecting the work;
3. Ceases to meet Contract requirements;
4. Fails to furnish reports of financial condition upon request; or
5. Otherwise becomes unacceptable to the Department.

When approved by the Contracting Officer, the Contractor may replace:

1. An individual surety with a corporate surety; or
2. Posted collateral with substitute collateral.

Failure to maintain the specified bonds or to provide substitute bonds when required under this section may be grounds for withholding contract payments until substitute bonding is obtained, and may, in the Department's discretion, be grounds for declaring the Contractor in default.

STATE OF ALASKA  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**REQUIRED DOCUMENTS**

Federally Funded Contracts

**REQUIRED FOR BID.** Bids will not be considered if the following documents are not completely filled out and submitted at the time of bidding:

1. **Bid Proposal (Form 25D-9A)**
2. **Bid Schedule**
3. **Bid Security (Form 25D-14)**

**REQUIRED FOR BID MODIFICATIONS.** Any bid revisions must be submitted by the bidder prior to bid opening on the following form:

4. **Bid Modification (Form 25D-16)**

**REQUIRED FOR CLAIMED PROCUREMENT PREFERENCE.** The Department will not consider a claimed procurement preference unless a bidder submits the appropriate, signed certification(s) for the claimed preference at the time of bidding:

5. **MBE / WBE Preference Certification (Form VSW-001)**
- 

**REQUIRED AFTER NOTICE OF APPARENT LOW BIDDER.** The apparent low bidder is required to complete and submit the following document within 5 working days after receipt of written notification:

1. **Subcontractor List (Form 25D-5)**
- 

**REQUIRED FOR AWARD.** In order to be awarded the contract, the successful bidder must completely fill out and submit the following documents within the time specified in the intent to award letter:

1. **Construction Contract (Form 25D-10A).**
2. **Payment Bond (Form 25D-12)**
3. **Performance Bond (Form 25D-13)**
4. **Contractor's Questionnaire (Form 25D-8)**
5. **Certificate of Insurance (from carrier)**
6. **Appendix B Federal Debarment**
7. **Appendix C Certification Regarding Lobbying**



STATE OF ALASKA  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
VILLAGE SAFE WATER PROGRAM

**PROPOSAL**

for  
Platinum Exploratory Water Supply Well / 25-VSW-PTU-021

---

**Project Name and Number**

by

---

**Company Name**

---

**Company Address (Street or PO Box, City, State, Zip)**

**TO THE CONTRACTING OFFICER,  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION:**

In compliance with your Invitation to Bid dated \_\_\_\_\_, the Undersigned proposes to furnish and deliver all the materials and do all the work and labor required in the construction of the above-referenced Project, located at or near Platinum, Alaska, according to the plans and specifications and for the amount and prices named herein as indicated on the Bid Schedule consisting of \_\_\_\_\_ sheets, which is made a part of this Bid.

The Undersigned declares that he has carefully examined the contract requirements and that he has made a personal examination of the site of the work; that he understands that the quantities, where such are specified in the Bid Schedule or on the plans for this project, are approximate only and subject to increase or decrease, and that he is willing to perform increased or decreased quantities of work at unit prices bid under the conditions set forth in the Contract Documents.

The Undersigned hereby agrees to execute the said contract and bonds within fifteen calendar days, or such further time as may be allowed in writing by the Contracting Officer, after receiving notification of the acceptance of this bid, and it is hereby mutually understood and agreed that in case the Undersigned does not, the accompanying bid guarantee shall be forfeited to the State of Alaska, Department of Environmental Conservation as liquidated damages, and the said Contracting officer may proceed to award the contract to others.

The Undersigned agrees to commence the work within 10 calendar days, and to complete the work within N/A calendar days, after the effective date of the Notice to Proceed, or by \_\_\_\_\_, unless extended in writing by the Contracting Officer.

The Undersigned proposes to furnish Payment Bond in the amount of **100%** (of the contract) and Performance Bond in the amount of **100%** (of the contract), as surety conditioned for the full, complete and faithful performance of this contract.

The Undersigned acknowledges receipt of the following addenda to the drawings and/or specifications (give number and date of each).

Addenda Number	Date Issued	Addenda Number	Date Issued	Addenda Number	Date Issued

---

### NON-COLLUSION DECLARATION

The Undersigned declares, under penalty of perjury under the laws of the United States, that neither he nor the firm, association, or corporation of which he is a member, has, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this bid.

---

**The Undersigned has read the foregoing and hereby agrees to the conditions stated therein by affixing his signature below:**

---

**Signature of Authorized Company Representative**

---

**Typed Name and Title**

(     )

**Phone Number**

(     )

**Fax Number**

---

**Email**

**STATE OF ALASKA  
DEPARTMENT OF  
ENVIRONMENTAL CONSERVATION  
BID SCHEDULE**

**Project Name:** Platinum Exploratory Water Supply Well

**ITB Dated:** 2/21/2025

**Project Location:** Platinum, Alaska

**DEC Project No.:** 25-VSW-PTU-021

Company Name: \_\_\_\_\_

Before preparing this bid schedule, read carefully Information to Bidders.

Bid Item	Description	Quantity	Unit	Unit Cost (only item B & E)	Extended Cost
<b>A. Base Bid Exploratory Well #1</b>	Drill up to 100 foot deep well location (Exploratory Well #1) as specified in Technical Specification (Section 5), including but not limited to: PART 1 – GENERAL, 1.1 Description: Mobilization, demobilization, site cleanup, drilling, provide “tundra mats”, etc.	1	Lump Sum		\$
<b>B. As needed drilling over 100 linear feet</b>	Linear foot cost over 100 feet deep. The quantity of 100 linear feet for this line item is an estimate for evaluation purposes only and is not a guaranteed quantity. If Exploratory Well #1 is over 100 linear feet deep, the contractor shall bill the unit cost of this line item for each linear foot that exceeds 100 linear feet.	100	Linear feet	\$	\$
<b>C. Total Base Bid Amount (A and B)</b>					\$
<b>D. Additive Alternate 1 Exploratory Well #2</b>	Drill up to 100 foot deep well location (Exploratory Well #2) as specified in Technical Specification (Section 5), including but not limited to: PART 1 – GENERAL, 1.1 Description: Mobilization, demobilization, site cleanup, drilling, provide “tundra mats”, etc.	1	Lump Sum		\$
<b>E. As needed drilling over 100 linear feet</b>	Linear foot cost over 100 feet deep. The quantity of 100 linear feet for this line item is an estimate for evaluation purposes only and is not a guaranteed quantity. If Exploratory Well #2 is over 100 linear feet deep, the contractor shall bill the unit cost of this line item for each linear foot that exceeds 100 linear feet.	100	Linear feet	\$	\$
<b>F. Total Additive Alternate 1 Base Bid Amount ( D and E)</b>					\$
<b>G. Unadjusted Bid Amount (C + F =G)</b>					\$
<b>H. MBE/WBE Preference (5% of G)</b>					\$
<b>I. Adjusted Bid Amount for Evaluation Purposes only (G -H =I)</b>					\$

State of Alaska  
Department of Environmental Conservation  
Village Safe Water Program

**MINORITY BUSINESS ENTERPRISE (MBE) AND WOMEN BUSINESS ENTERPRISE  
(WBE) PREFERENCE CERTIFICATION**

In response to the advertised procurement for:

Project Name and Number: \_\_\_\_\_

Bidder (Contractor): \_\_\_\_\_

**Operation of MBE / WBE Preference**

This procurement is funded in part or fully through federal grants or cooperative agreements. It is a national policy to award a fair share of contracts to Minority Firms and Women's Business Enterprises through affirmative action. This solicitation incorporates a five percent (5%) preference to the price of the bidder's proposal for all qualified minority firms and women's business enterprises.

To receive the points, the qualified Minority Business Enterprise (MBE) or Women's Business Enterprise (WBE) Contractor or subcontractor must provide evidence of certification and the work that they shall perform. It is the responsibility of the bidder claiming eligibility for this preference to pledge in their bid that the eligible subcontractor will be guaranteed the proposed work.

**MBE / WBE Preference Certification**

In order to be deemed a bona fide MBE or WBE a firm must be an independent business concern which is a least fifty-one percent (51%) owned and controlled by minority group members or women.

In order to qualify for the MBE or WBE, the business must obtain certification from any of the following organizations:

- United States Small Business Administration,
- United States Department of Transportation,
- Indian Tribal Governments,
- State/local Governments,
- Independent private organizations.

To qualify for the federal Environmental Protection Association, Disadvantaged Business Enterprises program, an entity must be certified, and such certification must meet the criteria as stipulated in 40 CFR §33.202 and/or §33.203.

Offerors may provide their MBE/WBE certification number on this form. If a certification number is not available then the offeror must provide a letter from the certifying agency verifying the offerors certification status.

**If claiming MBE/WBE preference the contractor must complete either the following sections:**

**1. The Contractor is claiming they are eligible for the MBE / WBE Preference:**

\_\_\_\_\_  
Name of Contractor

\_\_\_\_\_  
MBE / WBE Certification Number, or indicate "Attached" if certifying document is attached.

Work and percentage of work the Contractor shall perform:

Enter percentage of work: \_\_\_\_\_%

Describe Work: \_\_\_\_\_

**2. The Contractor shall complete the following if a subcontractor is claiming they are eligible for the MBE / WBE Preference:**

\_\_\_\_\_  
Name of Subcontractor

\_\_\_\_\_  
MBE / WBE Certification Number, or indicate "Attached" if certifying document is attached.

Work and percentage of work that the subcontractor is guaranteed and shall perform:

Enter percentage of work: \_\_\_\_\_%

Describe Work: \_\_\_\_\_

STATE OF ALASKA  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**BID BOND**

For

Platinum Exploratory Water Supply Well / 25-VSW-PTU-021

Project Name and Number

DATE BOND EXECUTED: \_\_\_\_\_

PRINCIPAL (Legal name and business address):

TYPE OF ORGANIZATION:

	<input type="checkbox"/> Individual <input type="checkbox"/> Partnership <input type="checkbox"/> Joint Venture <input type="checkbox"/> Corporation
	STATE OF INCORPORATION:

SURETY(IES) (Name and business address):

<b>A.</b>	<b>B.</b>	<b>C.</b>
PENAL SUM OF BOND:		DATE OF BID:

We, the PRINCIPAL and SURETY above named, are held and firmly bound to the State (State of Alaska), in the penal sum of the amount stated above, for the payment of which sum will be made, we bind ourselves and our legal representatives and successors, jointly and severally, by this instrument.

THE CONDITION OF THE FOREGOING OBLIGATION is that the Principal has submitted the accompanying bid in writing, date as shown above, on the above-referenced Project in accordance with contract documents filed in the office of the Contracting Officer, and under the Invitation for Bids therefor, and is required to furnish a bond in the amount stated above.

If the Principal's bid is accepted and he is offered the proposed contract for award, and if the Principal fails to enter into the contract, then the obligation to the State created by this bond shall be in full force and effect.

If the Principal enters into the contract, then the foregoing obligation is null and void.

**PRINCIPAL**

Signature(s)	<b>1.</b>	<b>2.</b>	<b>3.</b>
Name(s) & Title(s) (Typed)	<b>1.</b>	<b>2.</b>	<b>3.</b>
<b>See Instructions on Reverse</b>			Corporate Seal

**CORPORATE SURETY(IES)**

<b>Surety A</b>	Name of Corporation	State of Incorporation	Liability Limit \$
Signature(s)	1.	2.	Corporate Seal
Name(s) & Titles (Typed)	1.	2.	

<b>Surety B</b>	Name of Corporation	State of Incorporation	Liability Limit \$
Signature(s)	1.	2.	Corporate Seal
Name(s) & Titles (Typed)	1.	2.	

<b>Surety C</b>	Name of Corporation	State of Incorporation	Liability Limit \$
Signature(s)	1.	2.	Corporate Seal
Name(s) & Titles (Typed)	1.	2.	

**INSTRUCTIONS**

1. This form shall be used whenever a bid bond is submitted.
2. Insert the full legal name and business address of the Principal in the space designated. If the Principal is a partnership or joint venture, the names of all principal parties must be included (e.g., "Smith Construction, Inc. and Jones Contracting, Inc. DBA Smith/Jones Builders, a joint venture"). If the Principal is a corporation, the name of the state in which incorporated shall be inserted in the space provided.
3. Insert the full legal name and business address of the Surety in the space designated. The Surety on the bond may be any corporation or partnership authorized to do business in Alaska as an insurer under AS 21.09. Individual sureties will not be accepted.
4. The penal amount of the bond may be shown either as an amount (in words and figures) or as a percent of the contract bid price (a not-to-exceed amount may be included).
5. The scheduled bid opening date shall be entered in the space marked Date of Bid.
6. The bond shall be executed by authorized representatives of the Principal and Surety. Corporations executing the bond shall also affix their corporate seal.
7. Any person signing in a representative capacity (e.g., an attorney-in-fact) must furnish evidence of authority if that representative is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved.
8. The states of incorporation and the limits of liability of each surety shall be indicated in the spaces provided.
9. The date that bond is executed must not be later than the bid opening date.



STATE OF ALASKA  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**BID MODIFICATION**

Platinum Exploratory Water Supply Well / 25-VSW-PTU-021

**Project Name and Number**

Modification Number: \_\_\_\_\_

Note: Use this form to modify Manual (paper) bids only.

- Group items and provide subtotals by bid schedule section.
- All revisions shall be made to the unadjusted bid amount(s).
- Changes to the adjusted bid amounts will be computed by the Department.

LINE NO.	ITEM NO.	PAY ITEM DESCRIPTION	REVISION TO UNIT BID PRICE +/-	REVISION TO BID AMOUNT +/-

**TOTAL REVISION: \$** \_\_\_\_\_

\_\_\_\_\_  
**Name of Bidding Firm**

\_\_\_\_\_  
**Responsible Party Signature**

\_\_\_\_\_  
**Date**

This form may be duplicated if additional pages are needed.

STATE OF ALASKA  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**SUBCONTRACTOR LIST**

**Project Name and Number**

The apparent low bidder shall complete this form and submit it so as to be received by the Contracting Officer prior to the close of business on the fifth working day after receipt of written notice from the Department.

An apparent low bidder who fails to submit a completed Subcontractor List form within the time allowed will be declared nonresponsible and may be required to forfeit the bid security.

Scope of work must be clearly defined. If an item of work is to be performed by more than one firm, indicate the portion or percent of work to be done by each.

**Check as applicable:**    ☐    All Work on the above-referenced project will be accomplished without subcontracts

Or

☐    List all first tier Subcontractors as follows:

FIRM NAME, ADDRESS, PHONE NO.	AK BUSINESS LICENSE NO., CONTRACTOR'S REGISTRATION NO.	SCOPE OF WORK TO BE PERFORMED

CONTINUE SUBCONTRACTOR INFORMATION ON REVERSE

For projects with federal-aid funding, I hereby certify Alaska Business Licenses and Contractor Registrations will be valid for all subcontractors prior to award of the subcontract. For projects without federal-aid funding (State funding only), I hereby certify the listed Alaska Business Licenses and Contractor Registrations were valid at the time bids were opened for this project.

\_\_\_\_\_  
**Signature of Authorized Company Representative**

\_\_\_\_\_  
**Title**

\_\_\_\_\_  
**Company Name**

\_\_\_\_\_  
**Company Address (Street or PO Box, City, State, Zip)**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Phone Number**





STATE OF ALASKA  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

## CONSTRUCTION CONTRACT

Platinum Exploratory Water Supply Well / 25-VSW-PTU-021

Project Name and Number

This CONTRACT, between the STATE OF ALASKA, DEPARTMENT OF ENVIRONMENTAL CONSERVATION, herein called the Department, acting by and through its Contracting Officer, and

Company Name

Company Address (Street or PO Box, City, State, Zip)

a/an ☐ Individual ☐ Partnership ☐ Joint Venture ☐ Sole Proprietorship ☐ Corporation incorporated under the laws of the State of \_\_\_\_\_, its successors and assigns, herein called the Contractor, is effective the date of the signature of the Contracting Officer on this document.

WITNESSETH: That the Contractor, for and in consideration of the payment or payments herein specified and agreed to by the Department, hereby covenants and agrees to furnish and deliver all the materials and to do and perform all the work and labor required in the construction of the above-referenced project at the prices bid by the Contractor for the respective estimated quantities aggregating approximately the sum of

\_\_\_\_\_ Dollars  
(\$ \_\_\_\_\_), and such other items as are mentioned in the original Bid, which Bid and prices named, together with the Contract Documents are made a part of this Contract and accepted as such.

It is distinctly understood and agreed that no claim for additional work or materials, done or furnished by the Contractor and not specifically herein provided for, will be allowed by the Department, nor shall the Contractor do any work or furnish any material not covered by this Contract, unless such work is ordered in writing by the Department. In no event shall the Department be liable for any materials furnished or used, or for any work or labor done, unless the materials, work, or labor are required by the Contract or on written order furnished by the Department. Any such work or materials which may be done or furnished by the Contractor without written order first being given shall be at the Contractor's own risk, cost, and expense and the Contractor hereby covenants and agrees to make no claim for compensation for work or materials done or furnished without such written order.

The Contractor further covenants and agrees that all materials shall be furnished and delivered and all labor shall be done and performed, in every respect, to the satisfaction of the Department, on or before: December 31, 2024. It is expressly understood and agreed that in case of the failure on the part of the Contractor, for any reason, except with the written consent of the Department, to complete the furnishing and delivery of materials and the doing and performance of the work before the aforesaid date, the Department shall have the right to deduct from any money due or which may become due the Contractor, or if no money shall be due, the Department shall have the right to recover \_\_\_\_\_ dollars (\$ \_\_\_\_\_) per day for each calendar day elapsing between the time stipulated for the completion and the actual date of completion in accordance with the terms hereof; such deduction to be made, or sum to be recovered, not as a penalty but as liquidated damages.

The bonds given by the Contractor in the sum of \$\_\_\_\_\_ Payment Bond, and \$\_\_\_\_\_ Performance Bond, to secure the proper compliance with the terms and provisions of this Contract, are submitted herewith and made a part hereof.

IN WITNESS WHEREOF, the parties hereto have executed this Contract and hereby agree to its terms and conditions.

---

## CONTRACTOR

---

Company Name

---

Signature of Authorized Company Representative

---

Typed Name and Title

---

Date

(Corporate Seal)

---

## STATE OF ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION

---

Signature of Contracting Officer

---

Typed Name

---

Date

STATE OF ALASKA  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**PERFORMANCE BOND**

Bond No. \_\_\_\_\_

For  
Platinum Exploratory Water Supply Well / 25-VSW-PTU-021

\_\_\_\_\_  
**Project Name and Number**

KNOW ALL WHO SHALL SEE THESE PRESENTS:

That \_\_\_\_\_  
of \_\_\_\_\_ as Principal,  
and \_\_\_\_\_  
of \_\_\_\_\_ as Surety,  
firmly bound and held unto the State of Alaska in the penal sum of \_\_\_\_\_ Dollars

(\$\_\_\_\_\_) good and lawful money of the United States of America for the payment whereof,  
well and truly to be paid to the State of Alaska, we bind ourselves, our heirs, successors, executors, administrators, and assigns,  
jointly and severally, firmly by these presents.

WHEREAS, the said Principal has entered into a written contract with said State of Alaska, on the \_\_\_\_\_ of \_\_\_\_\_  
A.D., 20\_\_\_\_, for construction of the above-named project, said work to be done according to the terms of said contract.

Now, THEREFORE, the conditions of the foregoing obligation are such that if the said Principal shall well and truly perform and  
complete all obligations and work under said contract and if the Principal shall reimburse upon demand of the Department of  
Transportation and Public Facilities any sums paid him which exceed the final payment determined to be due upon completion of the  
project, then these presents shall become null and void; otherwise they shall remain in full force and effect.

IN WITNESS WHEREOF, we have hereunto set our hands and seals at \_\_\_\_\_,  
\_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_ A.D., 20\_\_\_\_\_.

**Principal:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**By:** \_\_\_\_\_

**Contact Name:** \_\_\_\_\_

**Phone: (     )** \_\_\_\_\_

**Surety:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**By:** \_\_\_\_\_

**Contact Name:** \_\_\_\_\_

**Phone: (     )** \_\_\_\_\_

The offered bond has been checked for adequacy under the applicable statutes and regulations:

\_\_\_\_\_  
Alaska Department of Environmental Conservation Authorized Representative

\_\_\_\_\_  
Date

## **INSTRUCTIONS**

1. This form shall be used whenever a performance bond is required. There shall be no deviation from this form without approval from the Contracting Officer.
2. The full legal name, business address, phone number, and point of contact of the Principal and Surety shall be typed on the face of the form. Where more than a single surety is involved, a separate form shall be executed for each surety.
3. The penal amount of the bond, or in the case of more than one surety the amount of obligation, shall be typed in words and in figures.
4. Where individual sureties are involved, a completed Affidavit of Individual Surety shall accompany the bond. Such forms are available upon request from the Contracting Officer.
5. The bond shall be signed by authorized persons. Where such person is signing in a representative capacity (e.g., an attorney-in-fact), but is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved, evidence of authority must be furnished.

STATE OF ALASKA  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**PAYMENT BOND**

Bond No. \_\_\_\_\_

For  
Platinum Exploratory Water Supply Well / 25-VSW-PTU-021

**Project Name and Number**

KNOW ALL WHO SHALL SEE THESE PRESENTS:

That \_\_\_\_\_  
of \_\_\_\_\_ as Principal,  
and \_\_\_\_\_  
of \_\_\_\_\_ as Surety,  
firmly bound and held unto the State of Alaska in the penal sum of \_\_\_\_\_ Dollars

(\$ \_\_\_\_\_) good and lawful money of the United States of America for the payment whereof,  
well and truly to be paid to the State of Alaska, we bind ourselves, our heirs, successors, executors, administrators, and assigns,  
jointly and severally, firmly by these presents.

WHEREAS, the said Principal has entered into a written contract with said State of Alaska, on the \_\_\_\_\_ of \_\_\_\_\_  
A.D., 20\_\_\_\_, for construction of the above-referenced project, said work to be done according to the terms of said contract.

Now, THEREFORE, the conditions of the foregoing obligation are such that if the said Principal shall comply with all requirements  
of law and pay, as they become due, all just claims for labor performed and materials and supplies furnished upon or for the work  
under said contract, whether said labor be performed and said materials and supplies be furnished under the original contract, any  
subcontract, or any and all duly authorized modifications thereto, then these presents shall become null and void; otherwise they  
shall remain in full force and effect.

IN WITNESS WHEREOF, we have hereunto set our hands and seals at \_\_\_\_\_,  
\_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_ A.D., 20\_\_\_\_.

**Principal:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**By:** \_\_\_\_\_

**Contact Name:** \_\_\_\_\_

**Phone: (     )** \_\_\_\_\_

**Surety:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**By:** \_\_\_\_\_

**Contact Name:** \_\_\_\_\_

**Phone: (     )** \_\_\_\_\_

The offered bond has been checked for adequacy under the applicable statutes and regulations:

\_\_\_\_\_  
Alaska Department of Environmental Conservation Authorized Representative

\_\_\_\_\_  
Date

See Instructions on Reverse



## INSTRUCTIONS

1. This form, for the protection of persons supplying labor and material, shall be used whenever a payment bond is required. There shall be no deviation from this form without approval from the Contracting Officer.
2. The full legal name, business address, phone number, and point of contact of the Principal and Surety shall be typed on the face of the form. Where more than a single surety is involved, a separate form shall be executed for each surety.
3. The penal amount of the bond, or in the case of more than one surety the amount of obligation, shall be typed in words and in figures.
4. Where individual sureties are involved, a completed Affidavit of Individual Surety shall accompany the bond. Such forms are available upon request from the Contracting Officer.
5. The bond shall be signed by authorized persons. Where such persons are signing in a representative capacity (e.g., an attorney-in-fact), but is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved, evidence of authority must be furnished.



2. What percent of the total value of this contract do you intend to subcontract?\_\_\_\_\_%

3. Do you propose to purchase any equipment for use on this project?  
☐ No ☐ Yes If YES, describe type, quantity, and approximate cost:

---

---

---

4. Do you propose to rent any equipment for this work?  
☐ No ☐ Yes If YES, describe type and quantity:

---

---

---

5. Is your bid based on firm offers for all materials necessary for this project?  
☐ Yes ☐ No If NO, please explain:

---

---

---

**C. EXPERIENCE**

1. Have you had previous construction contracts or subcontracts with the State of Alaska?  
☐ Yes ☐ No

On a separate page, describe five (5) most recent or current contracts or subcontracts, involving installation of water supply wells, its completion date, and scope of work involving work of similar type and complexity:

---

---

---

---

2. As an attachment to this questionnaire, provide what method of well development you intend to use on this project.

**I hereby certify that the above statements are true and complete.**

\_\_\_\_\_  
Name of Contractor

\_\_\_\_\_  
Name and Title of Person Signing

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
DOCUMENT 00700 -ISSUED DECEMBER 2011**

**GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT FOR BUILDINGS**

**ARTICLE 1 - DEFINITIONS**

**ARTICLE 2- AUTHORITIES AND LIMITATIONS**

- 2.1 Authorities and Limitations
- 2.2 Evaluations by Contracting Officer
- 2.3 Means and Methods
- 2.4 Visits to Site

**ARTICLE 3- CONTRACT DOCUMENTS: INTENT, AMENDING, REUSE**

- 3.1 Incomplete Contract Documents
- 3.2 Copies of Contract Documents
- 3.3 Scope of Work
- 3.4 Intent of Contract Documents
- 3.5 Discrepancy in Contract Documents
- 3.6 Clarifications and Interpretations
- 3.7 Reuse of Documents

**ARTICLE 4 - LANDS AND PHYSICAL CONDITIONS**

- 4.1 Availability of Lands
- 4.2 Visit to Site/Place of Business
- 4.3 Explorations and Reports
- 4.4 Utilities
- 4.5 Damaged Utilities
- 4.6 Utilities Not Shown or Indicated
- 4.7 Survey Control

**ARTICLE 5- BONDS AND INSURANCE**

- 5.1 Delivery of Bonds
- 5.2 Bonds
- 5.3 Replacement of Bond and Surety
- 5.4 Insurance Requirements
- 5.5 Indemnification

**ARTICLE 6- CONTRACTOR'S RESPONSIBILITIES**

- 6.1 Supervision of Work
- 6.2 Superintendence by CONTRACTOR
- 6.3 Character of Workers
- 6.4 CONTRACTOR to Furnish
- 6.5 Materials and Equipment
- 6.6 Anticipated Schedules
- 6.7 Finalizing Schedules
- 6.8 Adjusting Schedules
- 6.9 Substitutes or "Or-Equal" Items
- 6.10 Substitute Means and Methods
- 6.11 Evaluation of Substitution
- 6.12 Dividing the Work
- 6.13 Subcontractors
- 6.14 Use of Premises
- 6.15 Structural Loading
- 6.16 Record Documents

- 6.17 Safety and Protection
- 6.18 Safety Representative
- 6.19 Emergencies
- 6.20 Shop Drawings and Samples
- 6.21 Shop Drawing and Sample Review
- 6.22 Maintenance During Construction
- 6.23 Continuing the Work
- 6.24 Consent to Assignment
- 6.25 Use of Explosives
- 6.26 Contractor's Records
- 6.27 Load Restrictions

#### **ARTICLE 7- LAWS AND REGULATIONS**

- 7.1 Laws to be Observed
- 7.2 Permits, Licenses, and Taxes
- 7.3 Patented Devices, Materials and Processes
- 7.4 Compliance of Specifications and Drawings
- 7.5 Accident Prevention
- 7.6 Sanitary Provisions
- 7.7 Business Registration
- 7.8 Professional Registration and Certification
- 7.9 Local Building Codes
- 7.10 Air Quality Control
- 7.11 Archaeological or Paleontological Discoveries
- 7.12 Applicable Alaska Preferences
- 7.13 Wages and Hours of Labor
- 7.14 Overtime Work Hours and Compensation

#### **ARTICLE 8- OTHER WORK**

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## **ACKNOWLEDGMENT**

"The State of Alaska, General Conditions of the Construction Contract for Buildings" is based on the "Standard General Conditions of the Construction Contract" as published by the National Society of Professional Engineers (document number 1910-8, 1983 edition) on behalf of the Engineers Joint Construction Documents Committee. Portions of the NSPE General Conditions are reprinted herein by the express permission of NSPE. Modifications to the NSPE text are made to provide for State laws, regulations, and established procedures.

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## **ARTICLE 1 -DEFINITIONS**

Wherever used in the Contract Documents the following terms, or pronouns in place of them, are used, the intent and meaning, unless a different intent or meaning is clearly indicated, shall be interpreted as set forth below.

The titles and headings of the articles, sections, and subsections herein are intended for convenience of reference.

Terms not defined below shall have their ordinary accepted meanings within the context which they are used. Words which have a well-known technical or trade meaning when used to describe work, materials or equipment shall be interpreted in accordance with such meaning. Words defined in Article 1 are to be interpreted as defined.

**Addenda-** All clarifications, corrections, or changes issued graphically or in writing by the DEPARTMENT after the Advertisement but prior to the opening of Proposals.

**Advertisement-** The public announcement, as required by law, inviting bids for Work to be performed or materials to be furnished.

**Application for Payment** - The form provided by the DEPARTMENT which is to be used by the CONTRACTOR in requesting progress or final payments and which is to include such supporting documentation as is required by the Contract Documents.

**Approved or Approval** - 'Approved' or 'Approval' as used in this contract document shall mean that the Department has received a document, form or submittal from the contractor and that the Department has taken "No exceptions" to the item submitted. Unless the context clearly indicates otherwise, approved or approval shall not mean that the Department approves of the methods or means, or that the item or form submitted meets the requirements of the contract or constitutes acceptance of the Contractor's work. Where approved or approval means acceptance, then such approval must be set forth in writing and signed by the contracting officer or his designee.

**Architect** - Where used in the contract documents, "ARCHITECT" shall mean the DEPARTMENT'S ENGINEER.

**Architect/Engineer** - Where used in the contract documents, "ARCHITECT/ENGINEER" shall mean the DEPARTMENT'S ENGINEER.

**A.S.** - Initials which stand for Alaska Statute.

**Award** - The acceptance, by the DEPARTMENT, of the successful bid.

**Bid Bond** - A type of Proposal Guaranty.

**Bidder** - Any individual, firm, corporation, or any acceptable combination thereof, or joint venture submitting a bid for the advertised Work.

**Calendar Day** - Every day shown on the calendar, beginning, and ending at midnight.

**Change Order** - A written order by the DEPARTMENT directing changes to the Contract Documents, within their general scope.

**Consultant** - The person, firm, or corporation retained directly by the DEPARTMENT to prepare Contract Documents, perform construction administration services, or other Project related services.

**Contingent Sum Work Item** - When the bid schedule contains a Contingent Sum Work Item; the Work covered shall be performed only upon the written Directive of the Project Manager. Payment shall be made as provided in the Directive.

**Contract** - The written agreement between the DEPARTMENT and the CONTRACTOR setting forth the obligations of the parties and covering the Work to be performed, all as required by the Contract Documents.

**Contract Documents** -The Contract form, Addenda, the bidding requirements and CONTRACTOR's bid (including all appropriate bid tender forms), the bonds, the Conditions of the Contract and all other Contract requirements, the Specifications, and the Drawings furnished by the DEPARTMENT to the CONTRACTOR, together with all Change Orders and documents approved by the Contracting Officer, for inclusion, modifications and supplements issued on or after the Effective Date of the Contract.

**Contracting Officer** -The person authorized by the Commissioner to enter into and administer the Contract on behalf of the DEPARTMENT. He has authority to make findings, determinations, and decisions with respect to the Contract and, when necessary, to modify or terminate the Contract. The Contracting Officer is identified on the construction Contract.

**CONTRACTOR** - The individual, firm, corporation, or any acceptable combination thereof, contracting with the DEPARTMENT for performance of the Work.

**Contract Price** - The total moneys payable by the DEPARTMENT to the CONTRACTOR under the terms of the Contract Documents.

**Contract Time** - The number of Calendar Days following issuance of Notice-to-Proceed in which the project shall be rendered Substantially Complete, or if specified as a calendar date, the Substantial Completion date specified in the Contract Documents

**Controlling Item** - Any feature of the Work on the critical path of a network schedule.

**Defective** - Work that is unsatisfactory, faulty, or deficient, or does not conform to the Contract Documents.

**DEPARTMENT** - The Alaska Department of Transportation and Public Facilities. References to "Owner", "State", "Contracting Agency", mean the DEPARTMENT.

**Directive** - A written communication to the CONTRACTOR from the Contracting Officer interpreting or enforcing a Contract requirement or ordering commencement of an item of Work.

**Drawings** - The Drawings which show the character and scope of the Work to be performed and which have been furnished by the DEPARTMENT or the DEPARTMENT's Consultant and are by reference made a part of the Contract Documents.

**ENGINEER** - The DEPARTMENT'S authorized representative of the Contracting Officer, as defined in the DEPARTMENT'S *delegation of authority letter* to be issued after notice-to-proceed, who is responsible for administration of the contract.

**Equipment** - All machinery together with the necessary supplies for upkeep and maintenance, and also tools and apparatus necessary for the proper construction and acceptable completion of the Work.

**Final Acceptance** - The DEPARTMENT's written acceptance of the Work following Final Completion and the performance of all Contract requirements by the CONTRACTOR.

**Final Completion** - The Project (or specified part thereof) has progressed to the point that all required Work is complete as determined by the Contracting Officer.

**Furnish-** To procure, transport, and deliver to the project site materials, labor, or equipment, for installation or use on the project.

**General Requirements** - Sections of Division 1 of the Specifications which contain administrative and procedural requirements as well as requirements for temporary facilities which apply to Specification Divisions 2 through 16.

**Holidays** - In the State of Alaska, Legal Holidays occur on:

1. New Year's Day- January 1
2. Martin Luther King's Birthday- Third Monday in January
3. President's Day- Third Monday in February
4. Seward's Day- Last Monday in March
5. Memorial Day- Last Monday in May
6. Independence Day- July 4
7. Labor Day- First Monday in September
8. Alaska Day- October 18
9. Veteran's Day - November 11
10. Thanksgiving Day- Fourth Thursday in November
11. Christmas Day - December 25
12. Every Sunday
13. Every day designated by public proclamation by the President of the United States or the Governor of the State as a legal Holiday.

If any Holiday listed above falls on a Saturday, Saturday and the preceding Friday are both legal Holidays. If the Holiday should fall on a Sunday, except (12) above, Sunday and the following Monday are both legal Holidays. See Title 44, Alaska Statutes.

**Inspector** - The Engineer's authorized representative assigned to make detailed observations relating to contract performance.

**Install** - Means to build into the Work, ready to be used in complete and operable condition and in compliance with Contract Documents.

**Interim Work Authorization** - A written order by the Engineer initiating changes to the Contract, within its general scope, until a subsequent Change Order is executed.

**Invitation for Bids** - A portion of the bidding documents soliciting bids for the Work to be performed.

**Laboratory**- The official testing laboratories of the DEPARTMENT or such other laboratories as may be designated by the Engineer or identified in the contract documents.

**Materials** -Any substances specified for use in the construction of the project.

**Notice of Intent to Award**- The written notice by the DEPARTMENT to all Bidders identifying the apparent successful Bidder and establishing the DEPARTMENT's intent to execute the Contract when all conditions required for execution of the Contract are met.

**Notice to Proceed** - A written notice to the CONTRACTOR to begin the Work and establishing the date on which the Contract Time begins.

**Payment Bond** - The security furnished by the CONTRACTOR and his Surety to guarantee payment of the debts covered by the bond.

**Performance Bond** - The security furnished by the CONTRACTOR and his Surety to guarantee performance and completion of the Work in accordance with the Contract.

**Preconstruction Conference** - A meeting between the CONTRACTOR and the Engineer, and other parties affected by the construction, to discuss the project before the CONTRACTOR begins work.

**Project** - The total construction, of which the Work performed under the Contract Documents, is the whole or a part, where such total construction may be performed by more than one CONTRACTOR.

**Project Manager** - The authorized representative of the Contracting Officer who is responsible for administration of the Contract.

**Proposal** - The offer of a Bidder, on the prescribed forms, to perform the Work at the prices quoted.

**Proposal Guaranty** - The security furnished with a Proposal to guarantee that the bidder will enter into a Contract if his Proposal is accepted by the DEPARTMENT.

**Quality Assurance (QA)** - Where referred to in the technical specifications (Divisions 2 through 16), Quality Assurance refers to measures to be provided by the CONTRACTOR as specified.

**Quality Control (QC)** - Tests and inspections by the CONTRACTOR to insure the acceptability of materials incorporated into the Work. QC test reports are used as a basis upon which to determine whether the Work conforms to the requirements of the Contract Documents and to determine its acceptability for payment.

**Regulatory Requirements** - Laws, rules, regulations, ordinances, codes and/or orders.

**Schedule of Values** - The DEPARTMENT's document, submitted by the CONTRACTOR and reviewed by the Contracting Officer, which shall serve as the basis for computing payment and for establishing the value of separate items of work which comprise the Contract Price.

**Shop Drawings** - All drawings, diagrams, illustrations, schedules and other data which are specifically prepared by or for the CONTRACTOR to illustrate some portion of the Work and all illustrations, brochures, standard schedules, performance charts, instructions, diagrams and other information prepared by a Supplier and submitted by the CONTRACTOR to illustrate material, equipment, fabrication, or erection for some portion of the Work. Where used in the Contract Documents, "Shop Drawings" shall also mean "Submittals".

**Specifications** - Those portions of the Contract Documents consisting of written technical descriptions of materials, equipment, construction systems, standards and workmanship as applied to the Work and certain administrative and procedural details applicable thereto.

**Subcontractor** - An individual, firm, or corporation to whom the CONTRACTOR or any other Subcontractor sublets part of the Contract.

**Substantial Completion** - Although not fully completed, the Work (or a specified part thereof) has progressed to the point where, in the opinion of the Contracting Officer, as evidence by the DEPARTMENT's written notice, it is sufficiently complete, in accordance with the Contract Documents, so that the Work (or specified part) can be utilized for the purposes for which it is intended. The terms "Substantially Complete" and "Substantially Completed" as applied to any Work refer to Substantial Completion thereof.

**Supplemental Agreement** - A written agreement between the CONTRACTOR and the DEPARTMENT covering work that is not within the general scope of the Contract.

**Supplementary Conditions** - The part of the Contract Documents which amends or supplements these General Conditions.

**Supplier** - A manufacturer, fabricator, distributor, materialman or vendor of materials or equipment.

**Surety** - The corporation, partnership, or individual, other than the CONTRACTOR, executing a bond furnished by the CONTRACTOR.

**Traffic Control Plan (TCP)** - A drawing of one or more specific plans that detail the routing of pedestrian, and/or vehicular traffic through or around a construction area.

**Unit Price Work** - Work to be paid for on the basis of unit prices.

**Using Agency** - The entity who will occupy or use the completed Project.

**Utility** - The privately, publicly or cooperatively owned lines, facilities and systems for producing, transmitting or distributing communications, power, electricity, light, heat, gas, oil, crude products, water, steam, waste, storm water not connected with highway or street drainage, and other similar commodities, including publicly owned fire and police signal systems, street lighting systems, and railroads which directly or indirectly serve the public or any part thereof. The term "utility" shall also mean the utility company, inclusive of any wholly owned or controlled subsidiary."

**Work** - Work is the act of, and the result of, performing services, furnishing labor, furnishing and incorporating materials and equipment into the Project and performing other duties and obligations, all as required by the Contract Documents. Such Work, however incremental, will culminate in the entire completed Project, or the various separately identifiable parts thereof.

## **ARTICLE 2- AUTHORIZATION AND LIMITATIONS**

### **2.1 Authorities and Limitations**

- 2.1.1 The Contracting Officer alone shall have the power to bind the DEPARTMENT and to exercise the rights, responsibilities, authorities and functions vested in the Contracting Officer by the Contract Documents. The Contracting Officer shall have the right to designate in writing authorized representatives to act for him. Wherever any provision of the Contract Documents specifies an individual or organization, whether governmental or private, to perform any act on behalf of or in the interest of the DEPARTMENT that individual or organization shall be deemed to be the Contracting Officer's authorized representative under this Contract but only to the extent so specified.
- 2.1.2 The CONTRACTOR shall perform the Work in accordance with any written order (including but not limited to instruction, direction, interpretation or determination) issued by an authorized representative in accordance with the authorized representative's authority to act for the Contracting Officer. The CONTRACTOR assumes all the risk and consequences of performing the Work in accordance with any order (including but not limited to instruction, direction, interpretation or determination) of anyone not authorized to issue such order, and of any order not in writing.
- 2.1.3 Should the Contracting Officer or his authorized representative designate Consultant(s) to act for the DEPARTMENT as provided for in Paragraph 2.1.1, the performance or nonperformance of the Consultant under such authority to act, shall not give rise to any contractual obligation or duty of the Consultant to the CONTRACTOR, any Subcontractor, any Supplier, or any other organization performing any of the Work or any Surety representing them.

### **2.2 Evaluations by Contracting Officer:**

- 2.2.1 The Contracting Officer will decide all questions which may arise as to:
- a. Quality and acceptability of materials furnished;
  - b. Quality and acceptability of Work performed;
  - c. Compliance with the schedule of progress;
  - d. Interpretation of Contract Documents;
  - e. Acceptable fulfillment of the Contract on the part of the CONTRACTOR.
- 2.2.2 In order to avoid cumbersome terms and confusing repetition of expressions in the Contract Documents the terms "as ordered", "as directed", "as required", "as approved" or terms of like effect or import are used, or the adjectives "reasonable", "suitable", "acceptable", "proper" or "satisfactory" or adjectives of like effect or import are used it shall be understood as if the expression were followed by the words "the Contracting Officer".
- When such terms are used to describe a requirement, direction, review or judgment of the Contracting Officer as to the Work, it is intended that such requirement, direction, review or judgment will be solely to evaluate the Work for compliance with the Contract Documents (unless there is a specific statement indicating otherwise).
- 2.2.3 The use of any such term or adjective shall not be effective to assign to the DEPARTMENT any duty of authority to supervise or direct the furnishing or performance of the Work or any duty or authority to undertake responsibility contrary to the provisions of paragraphs 2.3 or 2.4.

### **2.3 Means & Methods:**

The means, methods, techniques, sequences or procedures of construction, or safety precautions and the program incident thereto, and the failure to perform or furnish the Work in accordance with the Contract Documents are the sole responsibility of the CONTRACTOR.

### **2.4 Visits to Site/Place of Business:**

The Contracting Officer will make visits to the site and approved remote storage sites at intervals appropriate to the various stages of construction to observe the progress and quality of the executed Work and to determine, in general, if the Work is proceeding in accordance with the Contract Documents. The Contracting Officer may, at reasonable times, inspect that part of the plant or place of business of the CONTRACTOR or Subcontractor that is related to the performance of the Contract. Such observations or the lack of such observations shall in no way relieve the CONTRACTOR from his duty to perform the Work in accordance with the Contract Documents.

## **ARTICLE 3- CONTRACT DOCUMENTS: INTENT, AMENDING, REUSE**

### **3.1 Incomplete Contract Documents:**

The submission of a bid by the Bidder is considered a representation that the Bidder examined the Contract Documents to make certain that all sheets and pages were provided and that the Bidder is satisfied as to the conditions to be encountered in performing the Work. The DEPARTMENT expressly denies any responsibility or liability for a bid submitted on the basis of an incomplete set of Contract Documents.

### **3.2 Copies of Contract Documents:**

The DEPARTMENT shall furnish to the CONTRACTOR up to ten copies of the Contract Documents. Additional copies will be furnished, upon request, at the cost of reproduction.

### **3.3 Scope of Work:**

The Contract Documents comprise the entire Contract between the DEPARTMENT and the CONTRACTOR concerning the Work. The Contract Documents are complementary; what is called for by one is as binding as if called for by all. The Contract Documents will be construed in accordance with the Regulatory Requirements of the place of the Project.

It is specifically agreed between the parties executing this Contract that it is not intended by any of the provisions of the Contract to create in the public or any member thereof a third party benefit, or to authorize anyone not a party to this Contract to maintain a suit pursuant to the terms or provisions of the Contract.

### **3.4 Intent of Contract Documents:**

- 3.4.1 It is the intent of the Contract Documents to describe a functionally complete Project to be constructed in accordance with the Contract Documents. Any Work, materials or equipment that may reasonably be inferred from the Contract Documents as being required to produce the intended result will be supplied, without any adjustment in Contract Price or Contract Time, whether or not specifically called for.
- 3.4.2 Reference to standard specifications, manuals or codes of any technical society, organization or association, or to the Regulatory Requirements of any governmental authority, whether such reference be specific or by implication, shall mean the edition stated in the Contract Documents or if not stated the latest standard specification, manual, code or Regulatory Requirements in effect at the time of Advertisement for the Project (or, on the Effective Date of the Contract if there was no Advertisement). However, no provision of any referenced standard specification, manual or code (whether or not specifically incorporated by reference in the Contract Documents) shall be effective to change the duties and responsibilities of the DEPARTMENT and the CONTRACTOR, or any of their consultants, agents or employees from those set forth in the Contract Documents, nor shall it be effective to assign to the DEPARTMENT or any of the DEPARTMENT's Consultants, agents or employees, any duty or authority to supervise or direct the furnishing or performance of the Work or any duty or authority to undertake responsibility contrary to the provisions of paragraphs 2.3 or 2.4.

### **3.5 Discrepancy in Contract Documents:**

- 3.5. 1 Before undertaking the Work, the CONTRACTOR shall carefully study and compare the Contract Documents and check and verify pertinent figures, and dimensions shown thereon and all applicable field measurements. Work in the area by the CONTRACTOR shall imply verification of figures, dimensions and field measurements. If, during the above study or during the performance of the Work, the CONTRACTOR finds a conflict, error, discrepancy or omission in the Contract Documents, or a discrepancy between the Contract Documents and any standard specification, manual, code, or Regulatory Requirement which affects the work, the CONTRACTOR shall promptly report such discrepancy in writing to the Contracting Officer. The CONTRACTOR shall obtain a written interpretation or clarification from the Contracting Officer before proceeding with any Work affected thereby. Any adjustment made by the CONTRACTOR without this



determination shall be at his own risk and expense. However, the CONTRACTOR shall not be liable to the DEPARTMENT for failure to report any conflict, error or discrepancy in the Contract Documents unless the CONTRACTOR had actual knowledge thereof or should reasonably have known thereof.

#### 3.5.2 Discrepancy- Order of Precedence:

When conflicts errors or discrepancies within the Contract Documents exist, the order of precedence from most governing to least governing will be as follows:

- Contents of Addenda
- Supplementary Conditions
- General Conditions
- General Requirements
- Technical Specifications
- Drawings
- Recorded dimensions will govern over scaled dimensions
- Large scale details over small scale details
- Schedules over plans
- Architectural drawings over structural drawings Structural drawings over mechanical and electrical drawings

#### 3.6 Clarifications and Interpretations:

The Contracting Officer will issue with reasonable promptness such written clarifications or interpretations of the requirements of the Contract Documents as the Contracting Officer may determine necessary, which shall be consistent with or reasonably inferable from the overall intent of the Contract Documents.

#### 3.7 Reuse of Documents:

Neither the CONTRACTOR nor any Subcontractor, or Supplier or other person or organization performing or furnishing any of the Work under a direct or indirect contract with the DEPARTMENT shall have or acquire any title to or ownership rights in any of the Contract Documents (or copies thereof) prepared by or for the DEPARTMENT and they shall not reuse any of the Contract Documents on extensions of the Project or any other project without written consent of the Contracting Officer.

Contract Documents prepared by the CONTRACTOR in connection with the Work shall become the property of the DEPARTMENT.

## **ARTICLE 4 - LANDS AND PHYSICAL CONDITIONS**

### **4.1 Availability of Lands:**

The DEPARTMENT shall furnish as indicated in the Contract Documents, the lands upon which the Work is to be performed, rights-of-way and easements for access thereto, and such other lands which are designated for use of the CONTRACTOR in connection with the Work. Easements for permanent structures or permanent changes in existing facilities will be obtained and paid for by the DEPARTMENT, unless otherwise provided in the Contract Documents. The CONTRACTOR shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment. The CONTRACTOR shall provide all waste and disposal areas, including disposal areas for hazardous or contaminated materials, at no additional cost to the DEPARTMENT.

### **4.2 Visit to Site:**

The submission of a bid by the CONTRACTOR is considered a representation that the CONTRACTOR has visited and carefully examined the site and is satisfied as to the conditions to be encountered in performing the Work and as to the requirements of the Contract Documents.

### **4.3 Explorations and Reports:**

Reference is made to the Supplementary Conditions for identification of those reports of explorations and tests of subsurface conditions at the site that have been utilized by the DEPARTMENT in preparation of the Contract Documents. The CONTRACTOR may for his purposes rely upon the accuracy of the factual data contained in such reports, but not upon interpretations or opinions drawn from such factual data contained therein or for the completeness or sufficiency thereof. Except as indicated in the immediately preceding sentence and in paragraphs 4.4 and 9.9, CONTRACTOR shall have full responsibility with respect to surface and subsurface conditions at the site.

### **4.4 Utilities:**

The horizontal and vertical locations of known underground utilities as shown or indicated by the Contract Documents are approximate and are based on information and data furnished to the DEPARTMENT by the owners of such underground utilities.

#### **4.4.2 The CONTRACTOR shall have full responsibility for:**

- a. Reviewing and checking all information and data concerning utilities.
- b. Locating all underground utilities shown or indicated in the Contract Documents which are affected by the work.
- c. Coordination of the Work with the owners of all utilities during construction.
- d. Safety and protection of all utilities as provided in paragraph 6.17.
- e. Repair of any damage to utilities resulting from the Work in accordance with 4.4.4 and 4.5.

#### **4.4.3 If Work is to be performed by any utility owner, the CONTRACTOR shall cooperate with such owners to facilitate the Work.**

#### **4.4.4 In the event of interruption to any utility service as a result of accidental breakage or as result of being exposed or unsupported, the CONTRACTOR shall promptly notify the utility owner and the Contracting Officer. If service is interrupted, repair work shall be continuous until the service is restored. No Work shall be undertaken around fire hydrants until provisions for continued service has been approved by the local fire**

authority.

#### **4.5 Damaged Utilities:**

When utilities are damaged by the CONTRACTOR, the utility owner shall have the choice of repairing the utility or having the CONTRACTOR repair the utility. In the following circumstances, the CONTRACTOR shall reimburse the utility owner for repair costs or provide at no cost to the utility owner or the DEPARTMENT, all materials, equipment and labor necessary to complete repair of the damage:

- a. When the utility is shown or indicated in the Contract Documents.
- b. When the utility has been located by the utility owner.
- c. When no locate was requested by the CONTRACTOR for utilities shown or indicated in the Contract Documents.
- d. All visible utilities.
- e. When the CONTRACTOR could have, otherwise, reasonably been expected to be aware of such utility.

#### **4.6 Utilities Not Shown or Indicated:**

If, while directly performing the Work, an underground utility is uncovered or revealed at the site which was not shown or indicated in the Contract Documents and which the CONTRACTOR could not reasonably have been expected to be aware of, the CONTRACTOR shall, promptly after becoming aware thereof and before performing any Work affected thereby (except in an emergency as permitted by paragraph 6.19) identify the owner of such underground utility and give written notice thereof to that owner and to the Contracting Officer. The Contracting Officer will promptly review the underground utility to determine the extent to which the Contract Documents and the Work should be modified to reflect the impacts of the discovered utility. The Contract Documents will be amended or supplemented in accordance with paragraph 9.2 and to the extent necessary through the issuance of a change document by the Contracting Officer. During such time, the CONTRACTOR shall be responsible for the safety and protection of such underground utility as provided in paragraph 6.17. The CONTRACTOR may be allowed an increase in the Contract Price or an extension of the Contract Time, or both, to the extent that they are directly attributable to the existence of any underground utility that was not shown or indicated in the Contract Documents and which the CONTRACTOR could not reasonably have been expected to be aware of.

#### **4.7 Survey Control:**

The DEPARTMENT will identify sufficient horizontal and vertical control data to enable the CONTRACTOR to survey and layout the Work. All survey work shall be performed under the direct supervision of a registered land surveyor when required by paragraph 7.8. Copies of all survey notes shall be provided to the DEPARTMENT at an interval determined by the Project Manager. The Project Manager may request submission on a weekly or longer period at his discretion. Any variations between the Contract Documents and actual field conditions shall be identified in the survey notes.

## **ARTICLE 5 -BONDS, INSURANCE, AND INDEMNIFICATION**

### **5.1 Delivery of Bonds:**

When the CONTRACTOR delivers the executed Contract to the Contracting Officer, the CONTRACTOR shall also deliver to the Contracting Officer such bonds as the CONTRACTOR may be required to furnish in accordance with paragraph 5.2.

### **5.2 Bonds:**

The CONTRACTOR shall furnish Performance and Payment Bonds, each in an amount as shown on the Contract as security for the faithful performance and payment of all CONTRACTOR's obligations under the Contract Documents. These bonds shall remain in effect for one year after the date of Final Acceptance and until all obligations under this Contract, except special guarantees as per 12.7, have been met. All bonds shall be furnished on forms provided by the DEPARTMENT (or copies thereof) and shall be executed by such Sureties as are authorized to do business in the State of Alaska. The Contracting Officer may at his option copy the Surety with notice of any potential default or liability.

### **5.3 Replacement of Bond and Surety:**

If the Surety on any bond furnished in connection with this Contract is declared bankrupt or becomes insolvent or its right to do business is terminated in any state where any part of the Project is located or it ceases to meet the requirements of paragraph 5.2, or otherwise becomes unacceptable to the DEPARTMENT, or if any such Surety fails to furnish reports as to his financial condition as requested by the DEPARTMENT, the CONTRACTOR shall within five days thereafter substitute another bond and Surety, both of which must be acceptable to DEPARTMENT.

An individual Surety may be replaced by a corporate Surety during the course of the Contract period. If the Surety desires to dispose of the collateral posted, the DEPARTMENT may, at its option, accept substitute collateral.

### **5.4 Insurance Requirements:**

5.4.1 The CONTRACTOR shall provide evidence of insurance with a carrier or carriers satisfactory to the DEPARTMENT covering injury to persons and/or property suffered by the State of Alaska or a third party, as a result of operations which arise both out of and during the course of this Contract by the CONTRACTOR or by any Subcontractor. This coverage will also provide protection against injuries to all employees of the CONTRACTOR and the employees of any Subcontractor engaged in Work under this Contract. The delivery to the DEPARTMENT of a written 30-day notice is required before cancellation of any coverage or reduction in any limits of liability. Insurance carriers shall have an acceptable financial rating.

5.4.2 The CONTRACTOR shall maintain in force at all times during the performance of the Work under this agreement the following policies and minimum limits of liability. Failure to maintain insurance may, at the option of the Contracting Officer, be deemed Defective Work and remedied in accordance with the Contract. Where specific limits and coverages are shown, it is understood that they shall be the minimum acceptable. The requirements of this paragraph shall not limit the CONTRACTOR's responsibility to indemnify under paragraph 5.5. Additional insurance requirements specific to this Contract are contained in the Supplementary Conditions, when applicable.

- a. Workers' Compensation Insurance: The Contractor shall provide and maintain, for all employees of the Contractor engaged in work under this contract, Workers' Compensation Insurance as required by AS 23.30.045. The Contractor shall be responsible for Workers' Compensation Insurance for any subcontractor who provides services under this contract, to include:

- 1. Waiver of subrogation against the State and Employer's Liability Protection in the amount of \$500,000 each accident / \$500,000 each disease.

2. If the Contractor directly utilizes labor outside of the State of Alaska in the prosecution of the Work, "Other States" endorsement shall be required as a condition of the contract.
  3. Whenever the Work involves activity on or about navigable waters, the Workers' Compensation policy shall contain a United States Longshoreman's and Harbor Worker's Act endorsement, and when appropriate, a Maritime Employer's Liability (Jones Act) endorsement with a minimum limit of \$1,000,000.
- b. Comprehensive or Commercial General Liability Insurance: Such insurance shall cover all operations by or on behalf of the CONTRACTOR and provide insurance for bodily injury and property damage liability including coverage for:

Premises and operations; products and completed operations; contractual liability insuring obligations assumed under paragraph 5.5, Indemnification; broad form property damage; and personal injury liability.

The minimum limits of liability shall be:

1. If the CONTRACTOR carries a *Comprehensive General Liability* policy, the limits of liability shall not be less than a Combined Single Limit for bodily injury, property damage and Personal Injury Liability of:  
\$1,000,000 each occurrence  
\$2,000,000 aggregate
2. If the CONTRACTOR carries a *Commercial General Liability* policy, the limits of liability shall not be less than:  
\$1,000,000 each occurrence (Combined Single Limit for bodily injury and property damage)  
\$1,000,000 for Personal Injury Liability  
  
\$2,000,000 aggregate for Products-Completed Operations  
\$2,000,000 general aggregate

The State of Alaska, DEPARTMENT of Transportation and Public Facilities shall be named as an "Additional Insured" under all liability coverages listed above.

- c. Automobile Liability Insurance:  
Such insurance shall cover all owned, hired and non-owned vehicles and provide coverage not less than that of the Business Automobile Policy in limits not less than the following:  
  
\$1,000,000 each occurrence  
(Combined Single Limit for bodily injury and property damage.)

- d. Builder's Risk Insurance:  
Coverage shall be on an "All Risk" completed value basis including "quake and flood" and protect the interests of the DEPARTMENT, the CONTRACTOR and his Subcontractors. Coverage shall include all materials, supplies and equipment that are intended for specific installation in the Project while such materials, supplies and equipment are located at the Project site, in transit from port of arrival to job site and while temporarily located away from the Project site.

In addition to providing the above coverages the CONTRACTOR shall ensure that Subcontractors provide insurance coverages as noted in clauses a., b., and c. of this subparagraph. Builders Risk Insurance will only be required of subcontractors if so stated in the Supplementary Conditions.

- e. Other Coverages:  
As specified in the Supplementary Conditions.

- 5.4.3 In addition to providing the above coverages the Contractor shall, in any contract or agreement with subcontractors performing work, require that all indemnities and waivers of subrogation it obtains, and that any stipulation to be named as an additional insured it obtains, also be extended to waive rights of subrogation against the State of Alaska and to add the State of Alaska as additional named indemnitee and as additional insured.

Evidence of insurance shall be furnished to the Department prior to the award of the contract. Such evidence, executed by the carrier's representative and issued to the Department, shall consist of a certificate of insurance or the policy declaration page with required endorsements attached thereto which denote the type, amount, class of operations covered, effective (and retroactive) dates, and dates of expiration. Acceptance by the Department of deficient evidence does not constitute a waiver of contract requirements.

When a certificate of insurance is furnished, it shall contain the following statement:

"This is to certify that the policies described herein comply with all aspects of the insurance requirements of (Project Name and Number)"

## **5.5 Indemnification:**

The CONTRACTOR shall indemnify, save harmless, and defend the DEPARTMENT, its agents and its employees from any and all claims, actions, or liabilities for injuries or damages sustained by any person or property arising directly or indirectly from the construction or the CONTRACTOR's performance of this Contract; however, this provision has no effect if, but only if, the sole proximate cause of the injury or damage is the DEPARTMENT's negligence.

## **ARTICLE 6 - CONTRACTOR'S RESPONSIBILITIES**

### **6.1 Supervision of Work:**

The CONTRACTOR shall supervise and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. All Work under this Contract shall be performed in a skillful and workmanlike manner. The CONTRACTOR shall be solely responsible for the means, methods, techniques, sequences and procedures of construction.

### **6.2 Superintendence by CONTRACTOR:**

The CONTRACTOR shall keep on the Work at all times during its progress a competent resident superintendent. The Contracting Officer shall be advised in writing of the superintendent's name, local address, and telephone number. This written advice is to be kept current until Final Acceptance by the DEPARTMENT. The superintendent will be the CONTRACTOR's representative at the site and shall have full authority to act and sign documents on behalf of the CONTRACTOR.

All communications given to the superintendent shall be as binding as if given to the CONTRACTOR. The CONTRACTOR shall cooperate with the Contracting Officer in every way possible.

### **6.3 Character of Workers:**

The CONTRACTOR shall provide a sufficient number of competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. The CONTRACTOR shall at all times maintain good discipline and order at the site. The Contracting Officer may, in writing, require the CONTRACTOR to remove from the Work any employee the Contracting Officer deems incompetent, careless, or otherwise detrimental to the progress of the Work, but the Contracting Officer shall have no duty to exercise this right.

### **6.4 CONTRACTOR to Furnish:**

Unless otherwise specified in the General Requirements, the CONTRACTOR shall furnish and assume full responsibility for all materials, equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities and all other facilities and incidentals necessary for the furnishing, performance testing, start-up and completion of the Work.

### **6.5 Materials and Equipment:**

All materials and equipment shall be of specified quality and new, except as otherwise provided in the Contract Documents. If required by the Contracting Officer, the CONTRACTOR shall furnish satisfactory evidence (including reports of required tests) as to the kind and quality of materials and equipment. All materials and equipment shall be applied, installed, connected, erected, used, cleaned, and conditioned in accordance with the instructions of the applicable Supplier except as otherwise provided in the Contract Documents; but no provision of any such instructions will be effective to assign to the DEPARTMENT or any of the DEPARTMENT's Consultants, agents or employees, any duty or authority to supervise or direct the furnishing or performance of the Work or any duty or authority to undertake responsibility contrary to the provisions of paragraphs 2.3 or 2.4.

### **6.6 Anticipated Schedules:**

- 6.6.1 Within fourteen (14) calendar days after the date of the Notice to Proceed, the CONTRACTOR shall submit to the Contracting Officer for review an anticipated progress schedule indicating the starting and completion dates of the various stages of the Work. No individual stage of work shall exceed fourteen (14) calendar days.

- 6.6.2 Within twenty-one (21) days after the date of the Notice to Proceed, the CONTRACTOR shall submit to the Contracting Officer for review an anticipated schedule of Shop Drawing submissions
- 6.6.3 Prior to submitting the CONTRACTOR's first Application for Payment, the CONTRACTOR shall submit for review and approval:

Anticipated Schedule of Values for all of the Work which will include quantities and prices of items aggregating the Contract Price and will subdivide the Work into component parts in sufficient detail to serve as the basis for progress payments during construction. Such prices will include an appropriate amount of overhead and profit applicable to each item of Work which will be confirmed in writing by the CONTRACTOR at the time of submission.

#### **6.7 Finalizing Schedules:**

Prior to processing the first Application for Payment the Contracting Officer and the CONTRACTOR will finalize schedules required by paragraph 6.6. The finalized progress schedule will be acceptable to the DEPARTMENT as providing information related to the orderly progression of the Work to completion within the Contract Time; but such acceptance will neither impose on the DEPARTMENT nor relieve the CONTRACTOR from full responsibility for the progress or scheduling of the Work. If accepted, the finalized schedule of Shop Drawing and other required submissions will be acknowledged by the DEPARTMENT as providing a workable arrangement for processing the submissions. If accepted, the finalized Schedule of Values will be acknowledged by the DEPARTMENT as an approximation of anticipated value of Work accomplished over the anticipated Contract Time. Receipt and acceptance of a schedule submitted by the CONTRACTOR shall not be construed to assign responsibility for performance or contingencies to the DEPARTMENT or relieve the CONTRACTOR of his responsibility to adjust his forces, equipment, and work schedules as may be necessary to insure completion of the Work within prescribed Contract Time. Should the prosecution of the Work be discontinued for any reason, the CONTRACTOR shall notify the Contracting Officer at least 24 hours in advance of resuming operations.

#### **6.8 Adjusting Schedules:**

Upon substantial changes to the schedule or upon request the CONTRACTOR shall submit to the Contracting Officer for acceptance (to the extent indicated in paragraph 6.7 and the General Requirements) adjustments in the schedules to reflect the actual present and anticipated progress of the Work.

#### **6.9 Substitutes or "Or-Equal" Items:**

- 6.9.1 Whenever materials or equipment are specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular Supplier the naming of the item is intended to establish the type, function and quality required. Unless the name is followed by words indicating that substitution is limited or not permitted, materials or equipment of other Suppliers may be accepted by the Contracting Officer only if sufficient information is submitted by the CONTRACTOR which clearly demonstrates to the Contracting Officer that the material or equipment proposed is equivalent or equal in all aspects to that named. The procedure for review by the Contracting Officer will include the following as supplemented in the General Requirements.
- 6.9.2 Requests for review of substitute items of material and equipment will not be accepted by the Contracting Officer from anyone other than the CONTRACTOR.



- 6.9.3 If the CONTRACTOR wishes to furnish or use a substitute item of material or equipment, the CONTRACTOR shall make written application to the Contracting Officer for Approval thereof, certifying that the proposed substitute will perform adequately the functions and achieve the results called for by the general design, be similar and of equal substance to that specified and be suited to the same use as the specified. The application will state that the evaluation and Approval of the proposed substitute will not delay the CONTRACTOR's timely achievement of Substantial or Final Completion, whether or not acceptance of the substitute for use in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with the DEPARTMENT for Work on the Project) to adapt the design to the proposed substitute and whether or not incorporation or use of the substitute in connection with the Work is subject to payment of any license fee or royalty.
- 6.9.4 All variations of the proposed substitute from that specified will be identified in the application and available maintenance, repair and replacement service will be indicated. The application will also contain an itemized estimate of all costs that will result directly or indirectly from acceptance of such substitute, including costs of redesign and claims of other contractors affected by the resulting change, all of which shall be considered by the DEPARTMENT in evaluating the proposed substitute. The DEPARTMENT may require the CONTRACTOR to furnish at the CONTRACTOR's expense additional data about the proposed substitute. The Contracting Officer may reject any substitution request which the Contracting Officer determines is not in the best interest of the DEPARTMENT.
- 6.9.5 Substitutions shall be permitted during or after the bid period as allowed and in accordance with Document 00020- Invitation for Bids, Document 00700-General Conditions, and Document 01630- Product Options and Substitutions.

#### **6.10 Substitute Means and Methods:**

If a specific means, method, technique, sequence or procedure of construction is indicated in or required by the Contract Documents, the CONTRACTOR may furnish or utilize a substitute means, method, sequence, technique or procedure of construction acceptable to the Contracting Officer, if the CONTRACTOR submits sufficient information to allow the Contracting Officer to determine that the substitute proposed is equivalent to that indicated or required by the Contract Documents. The procedure for review by the Contracting Officer will be similar to that provided in paragraph 6.9 as applied by the Contracting Officer and as may be supplemented in the General Requirements.

#### **6.11 Evaluation of Substitution:**

The Contracting Officer will be allowed a reasonable time within which to evaluate each proposed substitute. The Contracting Officer will be the sole judge of acceptability, and no substitute will be ordered, installed or utilized without the Contracting Officer's prior written Approval which will be evidenced by either a Change Order or a Shop Drawing Approved in accordance with Sections 6.20 and 6.21. The Contracting Officer may require the CONTRACTOR to furnish at the CONTRACTOR's expense a special performance guarantee or other Surety with respect to any substitute.

#### **6.12 Dividing the Work:**

The divisions and sections of the Specifications and the identifications of any Drawings shall not control the CONTRACTOR in dividing the Work among Subcontractors or Suppliers or delineating the Work to be performed by any specific trade.

#### **6.13 Subcontractors:**

The CONTRACTOR may utilize the services of appropriately licensed Subcontractors on those parts of the Work which, under normal contracting practices, are performed by Subcontractors, in accordance with the following conditions:

- 6.13.1 The CONTRACTOR shall not award any Work to any Subcontractor without prior written Approval of the Contracting Officer. This Approval will not be given until the CONTRACTOR submits to the Contracting Officer a written statement concerning the proposed award to the Subcontractor which shall contain required Equal Employment Opportunity documents, evidence of insurance whose limits are acceptable to the CONTRACTOR, and an executed copy of the subcontract. All subcontracts shall contain provisions for prompt payment, release of retainage, and interest on late payment amounts and retainage as specified in A.S. 36.90.210. Contracts between subcontractors, regardless of tier, must also contain these provisions. No acceptance by the Contracting Officer of any such Subcontractor shall constitute a waiver of any right of the DEPARTMENT to reject Defective Work.
- 6.13.2 The CONTRACTOR shall be fully responsible to the DEPARTMENT for all acts and omissions of the Subcontractors, Suppliers and other persons and organizations performing or furnishing any of the Work under a direct or indirect contract with CONTRACTOR just as CONTRACTOR is responsible for CONTRACTOR's own acts and omissions.
- 6.13.3 All Work performed for CONTRACTOR by a Subcontractor will be pursuant to an appropriate written agreement between CONTRACTOR and the Subcontractor which specifically binds the Subcontractor to the applicable terms and conditions of the Contract Documents for the benefit of the DEPARTMENT and contains waiver provisions as required by paragraph 13.17 and termination provisions as required by Article 14.
- 6.13.4 Nothing in the Contract Documents shall create any contractual relationship between the DEPARTMENT and any such Subcontractor, Supplier or other person or organization, nor shall it create any obligation on the part of the DEPARTMENT to pay or to see to the payment of any moneys due any such Subcontractor, Supplier or other person or organization except as may otherwise be required by Regulatory Requirements. The DEPARTMENT will not undertake to settle any differences between or among the CONTRACTOR, Subcontractors, or Suppliers.
- 6.13.5 The CONTRACTOR and Subcontractors shall coordinate their work and cooperate with other trades so to facilitate general progress of Work. Each trade shall afford other trades every reasonable opportunity for installation of their work and storage of materials. If cooperative work of one trade must be altered due to lack of proper supervision or failure to make proper provisions in time by another trade, such conditions shall be remedied by the CONTRACTOR with no change in Contract Price or Contract Time.
- 6.13.6 The CONTRACTOR shall include on his own payrolls any person or persons working on this Contract who are not covered by written subcontract and shall ensure that all Subcontractors include on their payrolls all persons performing Work under the direction of the Subcontractor.

#### **6.14 Use of Premises:**

The CONTRACTOR shall confine construction equipment, the storage of materials and equipment and the operations of workers to the Project limits and approved remote storage sites and lands and areas identified in and permitted by Regulatory Requirements, rights-of-way, permits and easements, and shall not unreasonably encumber the premises with construction equipment or other materials or equipment. The CONTRACTOR shall assume full responsibility for any damage to any such land or area, or to the owner or occupant thereof or of any land or areas contiguous thereto, resulting from the performance of the Work. Should any claim be made against the DEPARTMENT by any such owner or occupant because of the performance of the Work, the CONTRACTOR shall hold the DEPARTMENT harmless.

#### **6.15 Structural Loading:**

The CONTRACTOR shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall the CONTRACTOR subject any part of the Work or adjacent property to stresses or pressures that will endanger it.

#### **6.16 Record Documents:**

The CONTRACTOR shall maintain in a safe place at the site one record copy of all Drawings, Specifications, Addenda, Directives, Change Orders, Supplemental Agreements, and written interpretations and clarifications (issued pursuant to paragraph 3.6) in good order and annotated to show all changes made during construction. These record documents together with all Approved samples and a counterpart of all Approved Shop Drawings will be available to the Contracting Officer for reference and copying. Upon completion of the Work, the annotated record documents, samples, and Shop Drawings will be delivered to the Contracting Officer. Record documents shall accurately record variations in the Work which vary from requirements shown or indicated in the Contract Documents.

#### **6.17 Safety and Protection:**

The CONTRACTOR alone shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work. The CONTRACTOR shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury, or loss to:

- 6.17.1 All employees on the Work and other persons and organizations who may be affected thereby.
- 6.17.2 All the Work and materials and equipment to be incorporated therein, whether in storage on or off the site; and
- 6.17.3 Other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction.

The CONTRACTOR shall comply with all applicable Regulatory Requirements of any public body having jurisdiction for the safety of persons or property or to protect them from damage, injury or loss; and shall erect and maintain all necessary safeguards for such safety and protection. The CONTRACTOR shall notify owners of adjacent property and utility owners when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property. All damage, injury or loss to any property caused, directly or indirectly, in whole or in part, by the CONTRACTOR, any Subcontractor, Supplier or any other person or organization directly or indirectly employed by any of them to perform or furnish any of the Work or anyone for whose acts any of them may be liable, shall be remedied by the CONTRACTOR with no change in Contract Price or Contract Time except as stated in 4.6, except damage or loss attributable to unforeseeable causes beyond the control of and without the fault or negligence of the CONTRACTOR, including but not restricted to acts of God, of the public enemy or governmental authorities. The CONTRACTOR's duties and responsibilities for the safety and protection of the Work shall continue until Final Acceptance (except as otherwise expressly provided in connection with Substantial Completion).

#### **6.18 Safety Representative:**

The CONTRACTOR shall designate a responsible safety representative at the site. This person shall be the CONTRACTOR's superintendent unless otherwise designated in writing by the CONTRACTOR to the Contracting Officer.

#### **6.19 Emergencies:**

In emergencies affecting the safety or protection of persons or the Work or property at the site or adjacent thereto, the CONTRACTOR, without special instruction or authorization from the DEPARTMENT, is obligated to act to prevent threatened damage, injury, or loss. The CONTRACTOR shall give the Contracting Officer prompt written notice if the CONTRACTOR believes that any significant changes in the Work or variations from the Contract Documents have been caused thereby. If the DEPARTMENT determines that a change in the Contract Documents is required because of the action taken in response to an emergency, a change will be authorized by one of the methods indicated in Paragraph 9.2, as determined appropriate by the Contracting Officer.

## **6.20 Shop Drawings and Samples:**

- 6.20.1 After checking and verifying all field measurements and after complying with applicable procedures specified in the General Requirements, the CONTRACTOR shall submit to the Contracting Officer for review and Approval in accordance with the accepted schedule of Shop Drawing submissions the required number of all Shop Drawings, which will bear a stamp or specific written indication that the CONTRACTOR has satisfied CONTRACTOR's responsibilities under the Contract Documents with respect to the review of the submission. All submissions will be identified as the Contracting Officer may require. The data shown on the Shop Drawings will be complete with respect to quantities, dimensions, specified performance and design criteria, materials, and similar data to enable the Contracting Officer to review the information as required.
- 6.20.2 The CONTRACTOR shall also submit to the Contracting Officer for review and Approval with such promptness as to cause no delay in Work, all samples required by the Contract Documents. All samples will have been checked by and accompanied by a specific written indication that the CONTRACTOR has satisfied CONTRACTOR's responsibilities under the Contract Documents with respect to the review of the submission and will be identified clearly as to material, Supplier, pertinent data such as catalog numbers and the use for which intended.
- 6.20.3 Before submission of each Shop Drawing or sample the CONTRACTOR shall have determined and verified all quantities, dimensions, specified performance criteria, installation requirements, materials, catalog numbers and similar data with respect thereto and reviewed or coordinated each Shop Drawing or sample with other Shop Drawings and samples and with the requirements of the Work and the Contract Documents.
- 6.20.4 At the time of each submission the CONTRACTOR shall give the Contracting Officer specific written notice of each variation that the Shop Drawings or samples may have from the requirements of the Contract Documents, and, in addition, shall cause a specific notation to be made on each Shop Drawing submitted to the Contracting Officer for review and Approval of each such variation. All variations of the proposed Shop Drawing from that specified will be identified in the submission and available maintenance, repair and replacement service will be indicated. The submittal will also contain an itemized estimate of all costs that will result directly or indirectly from acceptance of such variation, including costs of redesign and claims of other Contractors affected by the resulting change, all of which shall be considered by the DEPARTMENT in evaluating the proposed variation. If the variation may result in a change of Contract Time or Price, or Contract responsibility, and is not minor in nature; the CONTRACTOR must submit a written request for Change Order with the variation to notify the DEPARTMENT of his intent. The DEPARTMENT may require the CONTRACTOR to furnish at the CONTRACTOR's expense additional data about the proposed variation. The Contracting Officer may reject any variation request which the Contracting Officer determines is not in the best interest of the DEPARTMENT.

## **6.21 Shop Drawing and Sample Review:**

- 6.21.1 The Contracting Officer will review with reasonable promptness Shop Drawings and samples, but the Contracting Officer's review will be only for conformance with the design concept of the Project and for compliance with the information given in the Contract Documents and shall not extend to means, methods, techniques, sequences or procedures of construction (except where a specific means, method, technique, sequence or procedure of construction is indicated in or required by the Contract Documents) or to safety precautions or programs incident thereto. The review of a separate item as such will not indicate acceptance of the assembly in which the item functions. The CONTRACTOR shall make corrections required by the Contracting Officer and shall return the required number of corrected copies of Shop Drawings and submit as required new samples for review. The CONTRACTOR shall direct specific attention in writing to revisions other than the corrections called for by the Contracting Officer on previous submittals.
- 6.21.2 The Contracting Officer's review of Shop Drawings or samples shall not relieve CONTRACTOR from responsibility for any variation from the requirements of the Contract Documents unless the CONTRACTOR has in writing advised the Contracting Officer of each such variation at the time of submission as required by paragraph 6.20.4. The Contracting Officer if he so determines, may give written Approval of each such variation by Change Order, except that, if the variation is minor and no Change Order has been requested a

specific written notation thereof incorporated in or accompanying the Shop Drawing or sample review comments shall suffice as a modification. Approval by the Contracting Officer will not relieve the CONTRACTOR from responsibility for errors or omissions in the Shop Drawings or from responsibility for having complied with the provisions of paragraph 6.20.3.

- 6.21.3 The DEPARTMENT shall be responsible for all DEPARTMENT review costs resulting from the initial submission and the forms resubmittal. The CONTRACTOR shall, at the discretion of the Contracting Agency, pay all review costs incurred by the DEPARTMENT as a result of any additional re-submittals.
- 6.21.4 Where a Shop Drawing or ample is required by the Specifications, any related Work performed prior to the Contracting Officer's review and Approval of the pertinent submission will be the sole expense and responsibility of the CONTRACTOR.

## **6.22 Maintenance During Construction:**

The CONTRACTOR shall maintain the Work during construction and until Substantial Completion, at which time the responsibility for maintenance shall be established in accordance with paragraph 13.10.

## **6.23 Continuing the Work:**

The CONTRACTOR shall carry on the Work and adhere to the progress schedule during all disputes or disagreements with the DEPARTMENT. No Work shall be delayed or postponed pending resolution of any disputes, disagreements, or claims except as the CONTRACTOR and the Contracting Officer may otherwise agree in writing.

## **6.24 Consent to Assignment:**

The CONTRACTOR shall obtain the prior written consent of the Contracting Officer to any proposed assignment of any interest in, or part of this Contract. The consent to any assignment or transfer shall not operate to relieve the CONTRACTOR or his Sureties of any of his or its obligations under this Contract or the Performance Bonds. Nothing herein contained shall be construed to hinder, prevent, or affect an assignment of monies due, or to become due hereunder, made for the benefit of the CONTRACTOR's creditors pursuant to law.

## **6.25 Use of Explosives:**

- 6.25.1 When the use of explosives is necessary for the prosecution of the Work, the CONTRACTOR shall exercise the utmost care not to endanger life or property, including new Work and shall follow all Regulatory Requirements applicable to the use of explosives. The CONTRACTOR shall be responsible for all damage resulting from the use of explosives.
- 6.25.2 All explosives shall be stored in a secure manner in compliance with all Regulatory Requirements, and all such storage places shall be clearly marked. Where no Regulatory Requirements apply, safe storage shall be provided not closer than 1,000 feet from any building, camping area, or place of human occupancy.
- 6.25.3 The CONTRACTOR shall notify each public utility owner having structures in proximity to the site of his intention to use explosives. Such notice shall be given sufficiently in advance to enable utility owners to take such steps as they may deem necessary to protect their property from injury. However, the CONTRACTOR shall be responsible for all damage resulting from the use of the explosives, whether or not, utility owners act to protect their property.

## **6.26 CONTRACTOR's Records:**

- 6.26.1 Records of the CONTRACTOR and Subcontractors relating to personnel, payrolls, invoices of materials, and any and all other data relevant to the performance of this Contract, must be kept on a generally recognized accounting system. Such records must be available during normal work hours to the Contracting Officer for purposes of investigation to ascertain compliance with Regulatory Requirements and provisions of the Contract

Documents.

- 6.26.2 Payroll records must contain the name and address of each employee, his correct classification, rate of pay, daily and weekly number of hours of work, deductions made, and actual wages paid. The CONTRACTOR and Subcontractors shall make employment records available for inspection by the Contracting Officer and representatives of the U.S. and/or State Department of Labor and will permit such representatives to interview employees during working hours on the Project.
- 6.26.3 Records of all communications between the DEPARTMENT and the CONTRACTOR and other parties, where such communications affected performance of this Contract, must be kept by the CONTRACTOR, and maintained for a period of three years from Final Acceptance. The DEPARTMENT or its assigned representative may perform an audit of these records during normal work hours after written notice to the CONTRACTOR.

#### **6.27 Load Restrictions**

The CONTRACTOR shall comply with all load restrictions as set forth in the "Administrative Permit Manual", and Title 17, Chapter 25, of the Alaska Administrative Code in the hauling of materials on public roads, beyond the limits of the project, and on all public roads within the project limits that are scheduled to remain in use upon completion of the project.

Overload permits may, at the discretion of the State, be issued for travel beyond the project limits for purposes of mobilization and/or demobilization. Issuance of such a permit will not relieve the CONTRACTOR of liability for damage which may result from the moving of equipment.

The operation of equipment of such weight or so loaded as to cause damage to any type of construction will not be permitted. No overloads will be permitted on the base course or surface course under construction. No loads will be permitted on a concrete pavement, base, or structure before the expiration of the curing period. The CONTRACTOR shall be responsible for all damage done by his equipment.

## **ARTICLE 7- LAWS AND REGULATIONS**

### **7.1 Laws to be Observed**

The CONTRACTOR shall keep fully informed of all federal and state Regulatory Requirements and all orders and decrees of bodies or tribunals having any jurisdiction or authority, which in any manner affect those engaged or employed on the Work, or which in any way affect the conduct of the Work. The CONTRACTOR shall at all times observe and comply with all such Regulatory Requirements, orders and decrees; and shall protect and indemnify the DEPARTMENT and its representatives against claim or liability arising from or based on the violation of any such Regulatory Requirement, order, or decree whether by the CONTRACTOR, Subcontractor, or any employee of either. Except where otherwise expressly required by applicable Regulatory Requirements, the DEPARTMENT shall not be responsible for monitoring CONTRACTOR's compliance with any Regulatory Requirements.

### **7.2 Permits, Licenses, and Taxes**

- 7.2.1 The CONTRACTOR shall procure all permits and licenses, pay all charges, fees, and taxes, and give all notices necessary and incidental to the due and lawful prosecution of the Work. As a condition of performance of this Contract, the CONTRACTOR shall pay all federal, state, and local taxes incurred by the CONTRACTOR, in the performance of this Contract. Proof of payment of these taxes is a condition precedent to final payment by the DEPARTMENT under this Contract.
- 7.2.2 The CONTRACTOR's certification that taxes have been paid (as contained in the *Release of Contract*) will be verified with the Department of Revenue and Department of Labor, prior to final payment.
- 7.2.3 If any federal, state or local tax is imposed, charged, or repealed after the date of bid opening and is made applicable to and paid by the CONTRACTOR on the articles or supplies herein contracted for, then the Contract shall be increased or decreased accordingly by a Change Order.

### **7.3 Patented Devices, Materials and Processes**

If the CONTRACTOR employs any design, device, material, or process covered by letters of patent, trademark or copyright, the CONTRACTOR shall provide for such use by suitable legal agreement with the patentee or owner. The CONTRACTOR and the Surety shall indemnify and save harmless the DEPARTMENT, any affected third party, or political subdivision from any and all claims for infringement by reason of the use of any such patented design, device, material or process, or any trademark or copyright, and shall indemnify the DEPARTMENT for any costs, expenses, and damages which it may be obliged to pay by reason of any infringement, at any time during the prosecution or after the completion of the Work.

### **7.4 Compliance of Specifications and Drawings:**

If the CONTRACTOR observes that the Specifications and Drawings supplied by the DEPARTMENT are at variance with any Regulatory Requirements, CONTRACTOR shall give the Contracting Officer prompt written notice thereof, and any necessary changes will be authorized by one of the methods indicated in paragraph 9.2. as determined appropriate by the Contracting Officer. If the CONTRACTOR performs any Work knowing or having reason to know that it is contrary to such Regulatory Requirements, and without such notice to the Contracting Officer, the CONTRACTOR shall bear all costs arising therefrom; however, it shall not be the CONTRACTOR's primary responsibility to make certain that the Specifications and Drawings supplied by the DEPARTMENT are in accordance with such Regulatory Requirements.

### **7.5 Accident Prevention:**

The CONTRACTOR shall comply with AS 18.60.075 and all pertinent provisions of the Construction Code Occupational Safety and Health Standards issued by the Alaska Department of Labor.

## **7.6 Sanitary Provisions:**

The CONTRACTOR shall provide and maintain in a neat and sanitary condition such accommodations for the use of his employees and DEPARTMENT representatives as may be necessary to comply with the requirements of the State and local Boards of Health, or of other bodies or tribunals having jurisdiction.

## **7.7 Business Registration:**

Comply with AS 08.18.011, as follows: "it is unlawful for a person to submit a bid or work as a contractor until he has been issued a certificate of registration by the Department of Commerce. A partnership or joint venture shall be considered registered if one of the general partners or venturers whose name appears in the name under which the partnership or venture does business is registered."

## **7.8 Professional Registration and Certification:**

All craft trades, architects, engineers and land surveyors, electrical administrators, and explosive handlers employed under the Contract shall specifically comply with applicable provisions of AS 08.18, 08.48,-08.40, and 08.52. Provide copies of individual licenses within seven days following a request from the Contracting Officer.

## **7.9 Local Building Codes:**

The CONTRACTOR shall comply with AS 35.10.025 which requires construction in accordance with applicable local building codes to include the obtaining of required permits.

## **7.10 Air Quality Control:**

The CONTRACTOR shall comply with all applicable provisions of AS 46.03.04 as pertains to Air Pollution Control.

## **7.11 Archaeological or Paleontological Discoveries:**

When the CONTRACTOR's operation encounters prehistoric artifacts, burials, remains of dwelling sites, or paleontological remains, such as shell heaps, land or sea mammal bones or tusks, the CONTRACTOR shall cease operations immediately and notify the Contracting Officer. No artifacts or specimens shall be further disturbed or removed from the ground and no further operations shall be performed at the site until so directed. Should the Contracting Officer order suspension of the CONTRACTOR's operations in order to protect an archaeological or historical finding, or order the CONTRACTOR to perform extra Work, such shall be covered by an appropriate Contract change document.

## **7.12 Applicable Alaska Preferences:**

7.12.1 In determining the low bidder for State funded projects, a 5% bid preference has been given to "Alaska bidders", as required under AS 36.30.170. "Alaska bidder" means a person who:

- (1) holds a current Alaska business license;
- (2) submits a bid for goods, services, or construction under the name as appearing on the person's current Alaska business license
- (3) has maintained a place of business within the state staffed by the bidder or an employee of the bidder for a period of six months immediately preceding the date of the bid;
- (4) is incorporated or qualified to do business under the laws of the state, is a sole proprietorship, and the proprietor is a resident of the state or is a partnership, and all partners are residents of the state; and
- (5) if a joint venture, is composed entirely of ventures that qualify under (1) through (4), above.

7.12.2 In determining the low bidder for State funded projects, an "Alaska products" preference has been given as required under AS 36.30.326 - 36.30.332, when the bidder designates the use of Alaska products. The Bidder shall complete the Alaska Products Preference Worksheet per its instructions and submit it with the Bid



Proposal. If the successful Bidder/CONTRACTOR proposes to use an Alaska product and does not do so, a penalty will be assessed against the successful Bidder/CONTRACTOR in an amount equal to the product preference percentage granted to the successful Bidder/CONTRACTOR plus one percent multiplied by the total declared value of the Alaska products proposed but not used.

- 7.12.3 Pursuant to AS 36.15.050 and AS 36.30.322, "agricultural/wood" products harvested in Alaska shall be used in State funded projects whenever they are priced no more than seven percent above agricultural/wood products harvested outside the state and are of a like quality as compared with agricultural/wood products harvested outside the state, when such products are not utilized, the CONTRACTOR shall document the efforts he made towards obtaining agricultural/wood products harvested in Alaska and include in this documentation a written statement that he contacted the manufacturers and suppliers identified on the Department of Commerce and Economic Development's list of suppliers of Alaska forest products concerning the availability of agricultural/wood products harvested in Alaska and, if available, the product prices. The CONTRACTOR's use of agricultural/wood products that fail to meet the requirements of this section shall be subject to the provisions of paragraphs 12.6 through 12.9 relating to Defective Work.
- 7.12.4 The CONTRACTOR shall maintain records, in a format acceptable to the Contracting Officer, which establish the type and extent of "agricultural/wood" and "Alaska" products utilized. All record keeping and documentation associated with the requirements 7.12.2 and 7.12.3 of this paragraph must be provided to the DEPARTMENT upon written request or as otherwise provided within the Contract Documents.

### **7.13 Wages and Hours of Labor:**

- 7.13.1 One certified copy of all payrolls shall be submitted weekly to the State Department of Labor and, upon request, to the Contracting Officer to assure to assure compliance with AS 36.05.040, *Filing Schedule of Employees Wages Paid and Other Information*. The CONTRACTOR shall be responsible for the submission of certified copies of payrolls of all Subcontractors. The certification shall affirm that the payrolls are current and complete, that the wage rates contained therein are not less than the applicable rates referenced in these Contract Documents, and that the classification set forth for each laborer or mechanic conforms with the Work he performed. The CONTRACTOR and his Subcontractors shall attend all hearings and conferences and produce such books, papers, and documents all as requested by the Department of Labor. Should federal funds be involved, the appropriate federal agency shall also receive a copy of the CONTRACTOR's certified payrolls. Regardless of project funding source, copies of all certified payrolls supplied to the State Department of Labor by the CONTRACTOR shall be supplied also to the Project Manager upon request, including submittals made by, or on behalf of, subcontractors.
- 7.13.2 The following labor provisions shall also apply to this Contract:
- a. The CONTRACTOR and his Subcontractors shall pay all employees unconditionally and not less than once a week;
  - b. wages may not be less than those stated under AS 36.05.010, regardless of the contractual relationship between the CONTRACTOR or Subcontractors and laborers, mechanics, or field surveyors;
  - c. the scale of wages to be paid shall be posted by the CONTRACTOR in a prominent and easily accessible place at the site of the Work;
  - d. the DEPARTMENT shall withhold so much of the accrued payments as is necessary to pay to laborers, mechanics, or field surveyors employed by the CONTRACTOR or Subcontractors the difference between
    1. the rates of wages required by the Contract to be paid laborers, mechanics, or field surveyors on the Work, and
    2. the rates of wages in fact received by laborers, mechanics, or field surveyors.

- 7.13.3 Within three calendar days of award of a construction contract, the CONTRACTOR shall file a "Notice of Work" with the Department of Labor and shall pay all related fees. The Contracting Officer will not issue Notice to Proceed to the CONTRACTOR until such notice and fees have been paid to the State Department of Labor. Failure of the CONTRACTOR to file the Notice of Work and pay fees within this timeframe shall not constitute grounds for an extension of contract time or adjustment of contract price.

**7.14 Overtime Work Hours and Compensation:**

Pursuant to 40 U.S.C. 327-330 and AS 23.10.060-.110, the CONTRACTOR shall not require nor permit any laborer or mechanic in any workweek in which he is employed on any Work under this Contract to work in excess of eight hours in any Calendar Day or in excess of forty hours in such workweek on Work subject to the provisions of the *Contract Work Hours and Safety Standards Act* unless such laborer or mechanic receives compensation at a rate not less than one and one half times his basic rate of pay for all such hours worked in excess of eight hours in any Calendar Day or in excess of forty hours in such workweek whichever is the greater number of overtime hours. In the event of any violation of this provision, the CONTRACTOR shall be liable to any affected employee for any amounts due and penalties and to the DEPARTMENT for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic employed in violation of this provision in the sum of \$10.00 for each Calendar Day on which such employee was required or permitted to be employed on such Work in excess of eight hours or in excess of the standard workweek of forty hours without payment of the overtime wages required by this paragraph.

## **ARTICLE 8 -OTHER WORK**

### **8.1 Related Work at Site:**

- 8.1.1 The DEPARTMENT reserves the right at any time to contract for and perform other or additional work on or near the Work covered by the Contract.
- 8.1.2 When separate contracts are let within the limits of the Project, the CONTRACTOR shall conduct his Work so as not to interfere with or hinder the Work being performed by other contractors. The CONTRACTOR when working on the same Project with other contractors shall cooperate with such other contractors. The CONTRACTOR shall join his Work with that of the others in an acceptable manner and shall perform it in proper sequence to that of others.
- 8.1.3 If the fact that other such work is to be performed is identified or shown in the Contract Documents the CONTRACTOR shall assume all liability, financial or otherwise, in connection with this Contract and indemnify and save harmless the DEPARTMENT from any and all damages or claims that may arise because of inconvenience, delay, or loss experienced by the CONTRACTOR because of the presence and operations of other contractors.
- 8.1.4 If the fact that such other work is to be performed was not identified or shown in the Contract Documents, written notice thereof will be given to the CONTRACTOR prior to starting any such other work. If the CONTRACTOR believes that such performance will require an increase in Contract Price or Contract Time, the CONTRACTOR shall notify the Contracting Officer of such required increase within fifteen (15) calendar days following receipt of the Contracting Officer's notice. Should the Contracting Officer find such increase(s) to be justified, a Change Order will be executed.

### **8.2 Access, Cutting, and Patching:**

The CONTRACTOR shall afford each utility owner and any other contractor who is a party to such a direct contract with the DEPARTMENT (or the DEPARTMENT, if the DEPARTMENT is performing the additional work with the DEPARTMENT's employees) proper and safe access to the site and a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such work, and shall properly connect and coordinate the Work with the Work of others. The CONTRACTOR shall do all cutting, fitting and patching of the Work that may be required to make its several parts come together properly and integrate with such other work, the CONTRACTOR shall not endanger any work of others by cutting, excavating or otherwise altering their work and will only cut or alter such other work with the written consent of the Contracting Officer. The duties and responsibilities of the CONTRACTOR under this paragraph are for the benefit of other contractors to the extent that there are comparable provisions for the benefit of the CONTRACTOR in said direct contracts between the DEPARTMENT and other contractors.

### **8.3 Defective Work by Others:**

If any part of the CONTRACTOR's Work depends for proper execution or results upon the Work of any such other contractor, utility owner, or the DEPARTMENT, the CONTRACTOR shall inspect and promptly report to the Contracting Officer in writing any delays, defects or deficiencies in such work that render it unavailable or unsuitable for such proper execution and results. The CONTRACTOR's failure to so report will constitute an acceptance of the other work as fit and proper for integration with CONTRACTOR's Work except for latent or nonapparent defects and deficiencies in the other work.

### **8.4 Coordination:**

If the DEPARTMENT contracts with others for the performance of other work at the site, Contracting Officer will have authority and responsibility for coordination of the activities among the various prime contractors.

## **ARTICLE 9- CHANGES**

### **9.1 DEPARTMENT's Right to Change:**

Without invalidating the Contract and without notice to any Surety, the DEPARTMENT may, at any time or from time to time, order additions, deletions or revisions in the Work within the general scope of the Contract, including but not limited to changes:

- 9.1.1 In the Contract Documents;
- 9.1.2 In the method or manner of performance of the Work;
- 9.1.3 In State-furnished facilities, equipment, materials, services, or site;
- 9.1.4 Directing acceleration in the performance of the Work

### **9.2 Authorization of Changes within the General Scope:**

Additions, deletions, or revisions in the Work within the general scope of the Contract as specified in 9.1 shall be authorized by one or more of following ways:

- 9.2.1 Directive (pursuant to paragraph 9.3)
- 9.2.2 A Change Order (pursuant to paragraph 9.4)
- 9.2.3 DEPARTMENT's acceptance of Shop Drawing variations from the Contract Documents as specifically identified by the CONTRACTOR as required by paragraph 6.20.4.

### **9.3 Directive:**

- 9.3.1 The Contracting Officer shall provide written clarification or interpretation of the Contract Documents (Pursuant to paragraph 3.6).
- 9.3.2 The Contracting Officer may authorize minor variations in the Work from the requirements of the Contract Documents which do not involve an adjustment in the Contract Price or the Contract Time and are consistent with the overall intent of the Contract Documents.
- 9.3.3 The Contracting Officer may order the Contractor to correct Defective Work or methods which are not in conformance with the Contract Documents.
- 9.3.4 The Contracting Officer may direct the commencement or suspension of Work or emergency related Work (as provided in paragraph 6.19).
- 9.3.5 Upon the issuance of a Directive to the CONTRACTOR by the Contracting Officer, the CONTRACTOR shall proceed with the performance of the Work as prescribed by such Directive.
- 9.3.6 If the CONTRACTOR believes that the changes noted in a Directive may cause an increase in the Contract Price or an extension of Contract Time, the CONTRACTOR shall immediately provide written notice to the Contracting Officer depicting such increases before proceeding with the Directive, except in the case of an emergency. If the Contracting Officer finds the increase in Contract Price or the extension of Contract Time justified, a Change Order will be issued. If however, the Contracting Officer does not find that a Change Order is justified, the Contracting Officer may direct the CONTRACTOR to proceed with the Work. The CONTRACTOR shall cooperate with the Contracting Officer in keeping complete daily records of the cost of such Work. If a Change Order is ultimately determined to be justified, in the absence of agreed prices and unit prices, payment for such Work will be made on a "cost of the Work basis" as provided in 10.4

#### **9.4 Change Order:**

A change in Contract Time, Contract Price, or responsibility may be made for changes within the scope of the Work by Change Order. Upon receipt of an executed Change Order, the CONTRACTOR shall promptly proceed with the Work involved which will be performed under the applicable conditions of the Contract Documents except as otherwise specifically provided. Changes in Contract Price and Contract Time shall be made in accordance with Articles 10 and 11. A Change Order shall be considered executed when it is signed by the DEPARTMENT.

#### **9.5 Shop Drawing Variations:**

Variations by shop drawings shall only be eligible for consideration under 9.4 when the conditions affecting the price, time, or responsibility are identified by the CONTRACTOR in writing and a request for a Change Order is submitted as per 6.20.4.

#### **9.6 Changes Outside the General Scope; Supplemental Agreement:**

Any change which is outside the general scope of the Contract, as determined by the Contracting Officer, must be authorized by a Supplemental Agreement signed by the appropriate representatives of the DEPARTMENT and the CONTRACTOR.

#### **9.7 Unauthorized Work:**

The CONTRACTOR shall not be entitled to an increase in the Contract Price or an extension of the Contract Time with respect to any work performed that is not required by the Contract Documents as amended, modified and supplemented as provided in this Article 9, except in the case of an emergency as provided in paragraph 6.19 and except in the case of uncovering Work as provided in paragraph 12.4.2.

#### **9.8 Notification of Surety:**

If notice of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Time) is required by the provisions of any bond to be given to a Surety, the giving of any such notice will be the CONTRACTOR's responsibility, and the amount of each applicable bond will be adjusted accordingly.

#### **9.9 Differing Site Conditions:**

9.9.1 The CONTRACTOR shall promptly, and before such conditions are disturbed (except in an emergency as permitted by paragraph 6.19), notify the Contracting Officer in writing of: (1) subsurface or latent physical conditions at the site differing materially from those indicated in the Contract, and which could not have been discovered by a careful examination of the site, or (2) unknown physical conditions at the site, of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in this Contract. The Contracting Officer shall promptly investigate the conditions, and if the Contracting Officer finds that such conditions do materially so differ and cause an increase or decrease in the CONTRACTOR's cost of, or time required for, performance of this Contract, an adjustment shall be made and the Contract modified in writing accordingly. An adjustment in compensation shall be computed under Article 10.

9.9.2 Any claim for additional compensation by the CONTRACTOR under this clause shall be made in accordance with Article 15. In the event that the Contracting Officer and the CONTRACTOR are unable to reach an agreement concerning an alleged differing site condition, the CONTRACTOR will be required to keep an accurate and detailed record which will indicate the actual "cost of the Work" done under the alleged differing site condition. Failure to keep such a record shall be a bar to any recovery by reason of such alleged differing site conditions. The Contracting Officer shall be given the opportunity to supervise and check the keeping of such records.

#### **9.10 Interim Work Authorization:**

An Interim Work Authorization may be used to establish a change within the scope of the Work; however, only a Change Order shall establish associated changes in Contract Time and Price. Work authorized by Interim Work Authorization shall be converted to a Change Order. The basis of payment shall be as stated in the Interim Work Authorization, unless it states that the basis of payment has not been established and is to be negotiated, in which case the Cost of the Work shall be documented pursuant to Article 10.4, to establish a basis for negotiating a lump sum price for the Change Order.

## **ARTICLE 10- CONTRACT PRICE; COMPUTATION AND CHANGE**

### **10.1 Contract Price:**

The Contract Price constitutes the total compensation (subject to authorized adjustments) payable to the CONTRACTOR for performing the Work. All duties, responsibilities and obligations assigned to or undertaken by the CONTRACTOR shall be at his expense without change in the Contract Price. The Contract Price may only be changed by a Change Order or Supplemental Agreement.

### **10.2 Claim for Price Change:**

Any claim for an increase or decrease in the Contract Price shall be submitted in accordance with the terms of Article 15 and shall not be allowed unless notice requirements of this Contract have been met.

### **10.3 Change Order Price Determination:**

The value of any Work covered by a Change Order for an increase or decrease in the Contract Price shall be determined in one of the following ways:

- 10.3.1 Where the Work involved is covered by unit prices contained in the Contract Documents, by application of unit prices to the quantities of the items involved (subject to the provisions of subparagraphs 10.9.1 through 10.9.3, inclusive).
- 10.3.2 By mutual acceptance of a lump sum (fixed price) which includes overhead and profit. The lump sum (fixed price) shall be negotiated on the basis of the estimated "cost of the Work" in accordance with Articles 10.4 and 10.5. The following maximum rates of cost markup (to cover both overhead and profit of the CONTRACTOR) shall be used in the negotiation of a Lump Sum Change Order:
  - a. For costs incurred under paragraphs 10.4.1 and 10.4.2, the CONTRACTOR's fee shall be twenty percent;
  - b. For costs incurred under paragraph 10.4.3, the CONTRACTOR's fee shall be ten percent; and if a subcontract is on the basis of "cost of the work" plus a fee, the maximum allowable to CONTRACTOR on account of overhead and profit for itself and all Subcontractors and multiple tiers thereof shall be fifteen percent of the cost incurred by the subcontractor actually performing the Work;
  - c. No fee shall be payable on the basis of costs itemized under paragraphs 10.4.4, 10.4.5 and 10.5;
  - d. The amount of credit to be allowed by the CONTRACTOR to the DEPARTMENT for any such change which results in a net decrease in cost will be the amount of the actual net decrease plus a deduction in CONTRACTOR's fee by an amount equal to twenty percent of the net decrease; and
  - e. When both additions and credits are involved in any one change, the adjustment in CONTRACTOR's fee shall be computed on the basis of the net change in accordance with paragraphs 10.3.2.a through 10.3.2.d, inclusive
- 10.3.3 When 10.3.1 and 10.3.2 are inapplicable, on the basis of the "cost of the Work" (determined as provided in paragraphs 10.4 and 10.5) plus a CONTRACTOR's fee for overhead and profit (determined as provided in paragraph 10.6).
- 10.3.4 Before a Change Order or Supplemental Agreement is Approved, the CONTRACTOR shall submit cost or pricing data regarding the changed or extra Work. The CONTRACTOR shall certify that the data submitted is, to his best knowledge and belief, accurate, complete and current as of a mutually determined specified date and that such data will continue to be accurate and complete during the performance of the changed or extra Work.

#### 10.4 Cost of the Work:

The term "cost of the Work" means the sum of all costs necessarily incurred and paid by the CONTRACTOR in the proper performance of the Work. Except as otherwise may be agreed to in writing by the DEPARTMENT, such costs shall be in amount no higher than those prevailing in the locality of the Project, shall include only the following items and shall not include any of the costs itemized in subparagraph 10.5:

- 10.4.1 Payroll costs for employees in the direct employ of the CONTRACTOR in the performance of the Work under schedules of job classifications agreed upon by the DEPARTMENT and the CONTRACTOR. Payroll costs for employees not employed full time on the Work shall be apportioned on the basis of their time spent on the Work. Payroll costs shall be limited to, salaries and wages plus the cost of fringe benefits which shall include social security contributions, unemployment, excise and payroll taxes, workers' or workmen's compensation, health and retirement benefits, bonuses, sick leave, vacation and holiday pay applicable thereto. Such employees shall include manual workers up through the level of foreman but shall not include general foremen, superintendents, and non-manual employees. The expenses of performing Work after regular working hours, on Saturday, Sunday or legal holidays shall be included in the above to the extent authorized by the DEPARTMENT.
- 10.4.2 Cost of all materials and equipment furnished and incorporated or consumed in the Work, including costs of transportation and storage thereof, and Suppliers' field services required in connection therewith. All cash discounts shall accrue to the CONTRACTOR unless the DEPARTMENT deposits funds with the CONTRACTOR with which to make payments, in which case the cash discounts shall accrue to the DEPARTMENT. All trade discounts, rebates and refunds and all returns from sale of surplus materials and equipment shall accrue to the DEPARTMENT, and the CONTRACTOR shall make provisions so that they may be obtained.
- 10.4.3 Payments made by the CONTRACTOR to Subcontractors for Work performed by Subcontractors. If required by the DEPARTMENT, CONTRACTOR shall obtain competitive quotes from Subcontractors or Suppliers acceptable to the CONTRACTOR and shall deliver such quotes to the DEPARTMENT who will then determine which quotes will be accepted. If a subcontract provides that the Subcontractor is to be paid on the basis of "cost of the Work" plus a fee, the Subcontractor's "cost of the Work" shall be determined in the same manner as the CONTRACTOR's "cost of work" as described in paragraphs 10.4 through 10.5; and the Subcontractor's fee shall be established as provided for under subparagraph 10.6.2 clause b. All subcontracts shall be subject to the other provisions of the Contract Documents insofar as applicable.
- 10.4.4 Costs of special consultants (including but not limited to engineers, architects, testing laboratories, and surveyors) employed for services necessary for the completion of the Work.
- 10.4.5 Supplemental costs including the following:
  - a. The proportion of necessary transportation, travel and subsistence expenses of the CONTRACTOR's employees incurred in discharge of duties connected with the Work.
  - b. Cost, including transportation and maintenance, of all materials, supplies, equipment, machinery, appliances, office and temporary facilities at the site and hand tools not owned by the Workers, which are consumed in the performance of the Work, and cost less market value of such items used but not consumed which remain the property of the CONTRACTOR.
  - c. Rentals of all construction equipment and machinery and the parts thereof whether rented from the CONTRACTOR or others in accordance with rental agreements Approved by the DEPARTMENT and the costs of transportation, loading, unloading, installation, dismantling and removal thereof- all in accordance with terms of said rental agreements. The rental of any such equipment, machinery or parts shall cease when the use thereof is no longer necessary for the Work.

For any machinery or special equipment (other than small tools) which has been authorized by the Project



Manager, the CONTRACTOR shall receive the rental rates in the current edition and appropriate volume of the "Rental Rate Blue Book for Construction Equipment", published by Dataquest, Inc., 1290 Ridder Park Drive, San Jose, CA 95131. Hourly rental rates shall be determined as follows:

*The established hourly rental rate shall be equal to the adjusted monthly rate for the basic equipment plus the adjusted monthly rate for applicable attachments, both divided by 176, and multiplied by the area adjustment factor, plus the estimated hourly operating cost.*

The adjusted monthly rate is that resulting from application of the rate adjustment formula in order to eliminate replacement cost allowances in machine depreciation and contingency cost allowances.

Attachments shall not be included unless required for the time and materials work.

For equipment not listed in The Blue Book, the CONTRACTOR shall receive a rental rate as agreed upon before such work is begun. If agreement cannot be reached, the DEPARTMENT reserves the right to establish a rate based on similar equipment in the Blue Book or prevailing commercial rates in the area.

These rates shall apply for equipment used during the CONTRACTOR's regular shift of 10 hours per day. Where the equipment is used more than 10 hours per day, either on the CONTRACTOR's normal work or on time and materials, and either on single or multiple shifts, an overtime rate, computed as follows, shall apply:

*The hourly overtime rate shall be equal to the adjusted monthly rate for the basic equipment plus the adjusted monthly rate for applicable attachments, both divided by 352, and multiplied by the area adjustment factor, plus the estimated hourly operating cost.*

Equipment which must be rented or leased specifically for work required under this section shall be authorized in writing by the Project Manager. The CONTRACTOR shall be paid invoice price plus 15%.

When it is necessary to obtain equipment from sources beyond the project limits exclusively for time and materials, work, the actual cost of transferring the equipment to the site of the Work and return will be allowed as an additional item of expense. Where the move is made by common carrier, the move-in allowance will be limited to the amount of the freight bill or invoice. If the CONTRACTOR hauls the equipment with his own forces, the allowance will be limited to the rental rate for the hauling unit plus operator wages. In the event that the equipment is transferred under its own power, the moving allowance will be limited to one-half of the normal hourly rental rate plus operator's wages. In the event that the move-out is to a different location, payment will in no instance exceed the amount of the move-in. Move-in allowance shall not be made for equipment brought to the project for time and materials work which is subsequently retained on the project and utilized for completion of contract items, camp maintenance, or related work. -

Equipment ordered to be on a stand-by basis shall be paid for at the stand-by rental rate for the number of hours in the CONTRACTOR'S normal work shift, but not to exceed 8 hours per day. The stand-by rental rate shall be computed as follows:

*The hourly stand-by rate shall be equal to the adjusted monthly rate for the basic equipment plus the adjusted monthly rate for applicable attachments, both divided by 352, all multiplied by the area adjustment factor.*

Time will be recorded to the nearest one-quarter hour for purposes of computing compensation to the CONTRACTOR for equipment utilized under these rates.

The equipment rates as determined above shall be full compensation, including overhead and profit, for providing the required equipment and no additional compensation will be made for other costs such as, but not limited to, fuels, lubricants, replacement parts or maintenance costs. Cost of repairs, both major and minor, as well as charges for mechanic's time utilized in servicing equipment to ready it for use prior to moving to the project and similar charges will not be allowed.

- d. Sales, consumer, use, or similar taxes related to the Work, and for which the CONTRACTOR is liable, imposed by Regulatory Requirements.
- e. Deposits lost for causes other than negligence of the CONTRACTOR, any Subcontractor or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, and royalty payments and fees for permits and licenses.
- f. Losses and damages (and related expenses), not compensated by insurance or otherwise, to the Work or otherwise sustained by the CONTRACTOR in connection with the performance and furnishing of the Work provided they have resulted from causes other than the negligence of the CONTRACTOR, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable. Such losses shall include settlements made with the written consent and Approval of the DEPARTMENT. No such losses, damages and expenses shall be included in the "cost of the Work" for the purpose of determining the CONTRACTOR's fee. If, however, any such loss or damage requires reconstruction and the CONTRACTOR is placed in charge thereof, the CONTRACTOR shall be paid for services a fee proportionate to that stated in paragraphs 10.6.2.a and 10.6.2.b.
- g. The cost of utilities, fuel, and sanitary facilities at the site.
- h. Minor expenses such as telegrams, long distance telephone calls, telephone service at the site, expressage, and similar petty cash items in connection with the Work.
- i. Cost of premiums for additional bonds and insurance required because of changes in the Work and premiums for property insurance coverage within the limits of the deductible amounts established by the DEPARTMENT in accordance with Article 5.

#### **10.5 Excluded Costs:**

The term "cost of the Work" shall not include any of the following:

- 10.5.1 Payroll costs and other compensation of CONTRACTOR's officers, executives, principals (of partnership and sole proprietorships), general managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing and contracting agency, expeditors, timekeepers, clerks and other personnel employed by CONTRACTOR whether at the site or in CONTRACTOR's principal or a branch office for general administration of the Work and not specifically included in the agreed upon schedule of job classifications referred to in paragraph 10.4.1 or specifically covered by paragraph 10.4.4 all of which are to be considered administrative costs covered by the CONTRACTOR's fee.
- 10.5.2 Expenses of CONTRACTOR's principal and branch offices other than CONTRACTOR's office at the site.
- 10.5.3 Any part of CONTRACTOR's capital expenses including interest on CONTRACTOR's capital employed for the Work and charges against CONTRACTOR for delinquent payments.
- 10.5.4 Cost of premiums for all bonds and for all insurance whether or not CONTRACTOR is required by the Contract Documents to purchase and maintain the same (except for the cost of premiums covered by subparagraph 10.4.5. 1 above).
- 10.5.5 Costs due to the negligence of CONTRACTOR, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, including but not limited to, the correction of Defective Work, disposal of materials or equipment wrongly supplied and making good any damage to property.
- 10.5.6 Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in paragraph 10.4.

## **10.6 CONTRACTOR's Fee:**

The CONTRACTOR's fee allowed to CONTRACTOR for overhead and profit shall be determined as follows.

- 10.6.1 A mutually acceptable fixed fee; or if none can be agreed upon.
- 10.6.2 A fee based on the following percentages of the various portions of the "cost of the Work":
  - a. For costs incurred under paragraphs 10.4.1 and 10.4.2, the CONTRACTOR's fee shall be fifteen percent;
  - b. For costs incurred under paragraph 10.4.3, the CONTRACTOR's fee shall be ten percent; and if a subcontract is on the basis of "cost of the Work" plus a fee, the maximum allowable to CONTRACTOR on account of overhead and profit for itself and all Subcontractors and multiple tiers thereof shall be fifteen percent of the cost incurred by the subcontractor actually performing the Work;
  - c. No fee shall be payable on the basis of costs itemized under paragraphs 10.4.4, 10.4.5 and 10.5;
  - d. The amount of credit to be allowed by the CONTRACTOR to the DEPARTMENT for any such change which results in a net decrease in cost will be the amount of the actual net decrease plus a deduction in CONTRACTOR's fee by an amount equal to fifteen percent of the net decrease; and
  - e. When both additions and credits are involved in any one change, the adjustment in CONTRACTOR's fee shall be computed on the basis of the net change in accordance with paragraphs 10.6.2.a through 10.6.2.d, inclusive.

## **10.7 Cost Breakdown:**

Whenever the cost of any Work is to be determined pursuant to paragraphs 10.4 and 10.5, the CONTRACTOR will submit in a form acceptable to the DEPARTMENT an itemized cost breakdown together with supporting data.

## **10.8 Cash Allowances:**

It is understood that CONTRACTOR has included in the Contract Price all allowances so named in the Contract Documents and shall cause the Work so covered to be done by such Subcontractors or Suppliers and for such sums within the limit of the allowances as may be acceptable to the Contracting Officer. CONTRACTOR agrees that:

- 10.8.1 The allowances include the cost to CONTRACTOR (less any applicable trade discounts) of materials and equipment required by the allowances to be delivered at the site, and all applicable taxes; and
- 10.8.2 CONTRACTOR's cost for unloading and handling on the site, labor, installation costs, overhead, profit and other expenses contemplated for the allowances have been included in the Contract Price and not in the allowances. No demand for additional payment on account of any thereof will be valid.

Prior to final payment, an appropriate Change Order will be issued to reflect actual amounts due the CONTRACTOR on account of Work covered by allowances, and the Contract Price shall be correspondingly adjusted.

## **10.9 Unit Price Work:**

- 10.9.1 Where the Contract Documents provide that all or part of the Work is to be Unit Price Work, initially the Contract Price will be deemed to include for all Unit Price Work an amount equal to the sum of the established unit prices for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Contract. The estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of bids and determining an initial Contract Price. Determinations of the actual quantities and classifications of Unit Price Work performed by the CONTRACTOR will be made by the

DEPARTMENT in accordance with paragraph 10.10.

- 10.9.2 Each unit price will be deemed to include an amount considered by the CONTRACTOR to be adequate to cover the CONTRACTOR's overhead and profit for each separately identified item. If the "Basis of Payment" clause in the Contract Documents relating to any unit price in the bid schedule requires that the said unit price cover and be considered compensation for certain work or material essential to the item, this same work or material will not also be measured or paid for under any other pay item which may appear elsewhere in the Contract Documents.
- 10.9.3 Payment to the CONTRACTOR shall be made only for the actual quantities of Work performed and accepted or materials furnished, in conformance with the Contract Documents. When the accepted quantities of Work or materials vary from the quantities stated in the bid schedule, or change documents, the CONTRACTOR shall accept as payment in full, payment at the stated unit prices for the accepted quantities of Work and materials furnished, completed and accepted; except as provided below:
- a. When the quantity of Work to be done or material to be furnished under any item, for which the total cost of the item exceeds 10% of the total Contract Price, is increased by more than 25 percent of the quantity stated in the bid schedule, or change documents, either party to the Contract, upon demand, shall be entitled to an equitable unit price adjustment on that portion of the Work above 125 percent of the quantity stated in the bid schedule.
  - b. When the quantity of Work to be done or material to be furnished under any major item, for which the total cost of the item exceeds 10% of the total Contract Price, is decreased by more than 25 percent of the quantity stated in the bid schedule, or change documents either party to the Contract, upon demand, shall be entitled to an equitable price adjustment for the quantity of Work performed or material furnished, limited to a total payment of not more than 75 percent of the amount originally bid for the item.

#### **10.10 Determinations for Unit Prices:**

The Contracting Officer will determine the actual quantities and classifications of Unit Price Work performed by the CONTRACTOR. The Contracting Officer will review with the CONTRACTOR preliminary determinations on such matters before finalizing the costs and quantities on the Schedule of Values. The Contracting Officer's acknowledgment thereof will be final and binding on the CONTRACTOR, unless, within 10 days after the date of any such decisions, the CONTRACTOR delivers to the Contracting Officer written notice of intention to appeal from such a decision.

## **ARTICLE 11- CONTRACT TIME; COMPUTATION AND CHANGE**

### **11.1 Commencement of Contract Time; Notice to Proceed:**

The Contract Time will commence to run on the day indicated in the Notice to Proceed.

### **11.2 Starting the Work:**

No Work on Contract items shall be performed before the effective date of the Notice to Proceed. The CONTRACTOR shall notify the Contracting Officer at least 24 hours in advance of the time actual construction operations will begin. The CONTRACTOR may request a limited Notice to Proceed after Award has been made, to permit them to order long lead materials which could cause delays in Project completion. However, granting is within the sole discretion of the Contracting Officer, and refusal or failure to grant a limited Notice to Proceed shall not be a basis for claiming for delay, extension of time, or alteration of price.

### **11.3 Computation of Contract Time:**

#### **11.3.1 When the Contract Time is specified on a Calendar Day basis, all Work under the Contract shall be completed within the number of Calendar Days specified. The count of Contract Time begins on the day following receipt of the Notice to Proceed by the CONTRACTOR, if no starting day is stipulated therein.**

Calendar Days shall continue to be counted against Contract Time until and including the date of Substantial Completion of the Work.

#### **11.3.2 When the Contract completion time is specified as a fixed calendar date, it shall be the date of Substantial Completion.**

#### **11.3.3 The Contract Time shall be as stated on form 25D-9, Proposal.**

### **11.4 Time Change:**

The Contract Time may only be changed by a Change Order or Supplemental Agreement.

### **11.5 Extension Due to Delays:**

The right of the CONTRACTOR to proceed shall not be terminated nor the CONTRACTOR charged with liquidated or actual damages because of delays to the completion of the Work due to unforeseeable causes beyond the control and without the fault or negligence of the CONTRACTOR, including, but not restricted to the following: acts of God or of the public enemy, acts of the DEPARTMENT in its contractual capacity, acts of another contractor in the performance of a contract with the DEPARTMENT, floods, fires, epidemics, quarantine restrictions, strikes, freight embargoes, unusually severe weather and delays of Subcontractors or Suppliers due to such causes. Any delay in receipt of materials on the site, caused by other than one of the specifically mentioned occurrences above, does not of itself justify a time extension, provided that the CONTRACTOR shall within twenty four (24) hours from the beginning of any such delay (unless the Contracting Officer shall grant a further period of the time prior to the date of final settlement of the Contract), notify the Contracting Officer in writing of the cause of delay. The Contracting Officer shall ascertain the facts and the extent of the delay and extend the time for completing the Work when the findings of fact justify such an extension.

### **11.6 Essence of Contract:**

All time limits stated in the Contract Documents are of the essence of the Contract.

### **11.7 Reasonable Completion Time:**

It is expressly understood and agreed by and between the CONTRACTOR and the DEPARTMENT that the date of

beginning and the time for Substantial Completion of the Work described herein are reasonable times for the completion of the Work.

#### **11.8 Delay Damages:**

Whether or not the CONTRACTOR's right to proceed with the Work is terminated, he and his Sureties shall be liable for damages resulting from his refusal or failure to complete the Work within the specified time.

Liquidated and actual damages for delay shall be paid by the CONTRACTOR or his Surety to the DEPARTMENT in the amount as specified in the Supplementary Conditions for each Calendar Day the completion of the Work or any part thereof is delayed beyond the time required by the Contract, or any extension thereof. If a listing of incidents resulting from a delay and expected to give rise to actual or liquidated damages is not established by the Contract Documents, then the CONTRACTOR and his Surety shall be liable to the DEPARTMENT for any actual damages occasioned by such delay. The CONTRACTOR acknowledges that the liquidated damages established herein are not a penalty but rather constitute an estimate of damages that the DEPARTMENT will sustain by reason of delayed completion. These liquidated and actual damages are intended as compensation for losses anticipated to arise, and include those items enumerated in the Supplementary Conditions.

These damages will continue to run both before and after termination in the event of default termination. These liquidated damages do not cover excess costs of completion or DEPARTMENT costs, fees, and charges related to procurement. If a default termination occurs, the CONTRACTOR or his Surety shall pay in addition to these damages, all excess costs and expenses related to completion as provided by Article 14.2.5.

## **ARTICLE 12 - QUALITY ASSURANCE**

### **12.1 Warranty and Guaranty:**

The CONTRACTOR warrants and guarantees to the DEPARTMENT that all Work will be in accordance with the Contract Documents and will not be Defective. Prompt notice of all defects shall be given to the CONTRACTOR. All Defective Work, whether or not in place, may be rejected, corrected, or accepted as provided for in this article.

### **12.2 Access to Work:**

The DEPARTMENT and the DEPARTMENT's representatives, testing agencies and governmental agencies with jurisdiction interests will have access to the Work at reasonable times for their observation, inspecting and testing. The CONTRACTOR shall provide proper and safe conditions for such access.

### **12.3 Tests and Inspections:**

- 12.3.1 The CONTRACTOR shall give the Contracting Officer timely notice of readiness of the Work for all required inspections, tests, or Approvals.
- 12.3.2 If Regulatory Requirements of any public body having jurisdiction require any Work (or part thereof) to specifically be inspected, tested or approved, the CONTRACTOR shall assume full responsibility therefor, pay all costs in connection therewith and furnish the Contracting Officer the required certificates of inspection, testing or approval. The CONTRACTOR shall also be responsible for and shall pay all costs in connection with any inspection or testing required in connection with DEPARTMENT's acceptance of a Supplier of materials or equipment proposed to be incorporated in the Work, or of materials or equipment submitted for Approval prior to the CONTRACTOR's purchase thereof for incorporation in the Work. The cost of all inspections, tests, and approvals in addition to the above which are required by the Contract Documents shall be paid by the CONTRACTOR. The DEPARTMENT may perform additional tests and inspections which it deems necessary to insure quality control. All such failed tests or inspections shall be at the CONTRACTOR's expense.
- 12.3.4 If any Work (including the Work of others) that is to be inspected, tested, or approved is covered without written concurrence of the Contracting Officer, it must, if requested by the Contracting Officer, be uncovered for observation. Such uncovering shall be at the CONTRACTOR's expense unless the CONTRACTOR has given the Contracting Officer timely notice of CONTRACTOR's intention to cover the same and the Contracting Officer has not acted with reasonable promptness in response to such notice.
- 12.3.5 Neither observations nor inspections, tests or Approvals by the DEPARTMENT or others shall relieve the CONTRACTOR from the CONTRACTOR's obligations to perform the Work in accordance with the Contract Documents.

### **12.4 Uncovering Work:**

- 12.4.1 If any Work is covered contrary to the written request of the Contracting Officer, it must, if requested by the Contracting Officer, be uncovered for the Contracting Officer's observation, and replaced at the CONTRACTOR's expense.

- 12.4.2 If the Contracting Officer considers it necessary or advisable that covered Work be observed inspected or tested, the CONTRACTOR, at the Contracting Officer's request, shall uncover, expose or otherwise make available for observation, inspection or testing as the Contracting Officer may require, that portion of the Work in question, furnishing all necessary labor, material and equipment. If it is found that such Work is Defective, the CONTRACTOR shall bear all direct, indirect and consequential costs of such uncovering, exposure, observation, inspection and testing and of satisfactory reconstruction, (including but not limited to fees and charges of engineers, architects, attorneys and other professionals) and the DEPARTMENT shall be entitled to an appropriate decrease in the Contract Price. If, however, such Work is not found to be Defective, the CONTRACTOR shall be allowed an increase in the Contract Price or an extension of the Contract Time, or both, directly attributable to such uncovering, exposure, observation, inspection, testing and reconstruction.

#### **12.5 DEPARTMENT May Stop the Work:**

If the Work is Defective, or the CONTRACTOR fails to supply suitable materials or equipment, or fails to furnish or perform the Work in such a way that the completed Work will conform to the Contract Documents, the Contracting Officer may order the CONTRACTOR to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of the Contracting Officer to stop the Work shall not give rise to any duty on the part of the Contracting Officer to exercise this right for the benefit of the CONTRACTOR or any other party.

#### **12.6 Correction or Removal of Defective Work:**

If required by the Contracting Officer, the CONTRACTOR shall promptly, as directed, either correct all Defective Work, whether or not fabricated, installed or completed, or, if the Work has been rejected by the Contracting Officer, remove it from the site and replace it with Work which conforms to the requirements of the Contract Documents. The CONTRACTOR shall bear all direct, indirect, and consequential costs of such correction or removal (including but not limited to fees and charges of engineers, architects, attorneys and other-professionals) made necessary thereby.

#### **12.7 One Year Correction Period:**

If within one year after the date of Substantial Completion of the relevant portion of the Work or such longer period of time as may be prescribed by Regulatory Requirements or by the terms of any applicable special guarantee required by the Contract Documents or by any specific provision of the Contract Documents, any Work is found to be Defective, the CONTRACTOR shall promptly, without cost to the DEPARTMENT and in accordance with the Contracting Officer's written instructions, either correct such Defective Work, or, if it has been rejected by the Contracting Officer, remove it from the site and replace it with conforming Work. If the CONTRACTOR does not promptly comply with the terms of such instructions, or in an emergency where delay would cause serious risk of loss or damage, the DEPARTMENT may have the Defective Work corrected or the rejected Work removed and replaced, and all direct, indirect and consequential costs of such removal and replacement (including but not limited to fees and charges of engineers, architects, attorneys and other professionals) will be paid by the CONTRACTOR. In special circumstances where a particular item of equipment is placed in continuous service for the benefit of the DEPARTMENT before Substantial Completion of all the Work, the correction period for that item may begin on an earlier date if so provided in the Specifications or by Change Order. Provisions of this paragraph are not intended to shorten the statute of limitations for bringing an action.

#### **12.8 Acceptance of Defective Work:**

Instead of requiring correction or removal and replacement of Defective Work, the Contracting Officer may accept Defective Work, the CONTRACTOR shall bear all direct, indirect and consequential costs attributable to the Contracting Officer's evaluation of and determination to accept such Defective Work (costs to include but not be limited to fees and charges of engineers, architects, attorneys and other professionals). If any such acceptance occurs prior to final payment, a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work; and the DEPARTMENT shall be entitled to an appropriate decrease in the Contract Price. If the DEPARTMENT has already made final payment to the CONTRACTOR, an appropriate amount shall be paid by the CONTRACTOR or his Surety to the DEPARTMENT.



## **12.9 DEPARTMENT May Correct Defective Work:**

If the CONTRACTOR fails within a reasonable time after written notice from the Contracting Officer to proceed to correct Defective Work or to remove and replace rejected Work as required by the Contracting Officer in accordance with paragraph 12.6, or if the CONTRACTOR fails to perform the Work in accordance with the Contract Documents, or if the CONTRACTOR fails to comply with any other provision of the Contract Documents, the DEPARTMENT may, after 7 days' written notice to the CONTRACTOR, correct and remedy any such deficiency. In exercising the rights and remedies under this paragraph the DEPARTMENT shall proceed expeditiously. To the extent necessary to complete corrective and remedial action, the Contracting Officer may exclude the CONTRACTOR from all or part of the site, take possession of all or part of the Work, and suspend the CONTRACTOR's services related thereto, take possession of the CONTRACTOR's tools, appliances, construction equipment and machinery at the site and incorporate in the Work all materials-and equipment stored at the site or approved remote storage sites or for which the DEPARTMENT has paid the CONTRACTOR but which are stored elsewhere. The CONTRACTOR shall allow the Contracting Officer and his authorized representatives such access to the site as may be necessary to enable the Contracting Officer to exercise the rights and remedies under this paragraph. All direct, indirect and consequential costs of the DEPARTMENT in exercising such rights and remedies will be charged against the CONTRACTOR, and a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work; and the DEPARTMENT shall be entitled to an appropriate decrease in the Contract Price. Such direct, indirect and consequential costs will include but not be limited to fees and charges of engineers, architects, attorneys and other professionals, all court and arbitration costs and all costs of repair and replacement of work of others destroyed or damaged by correction, removal or replacement of the CONTRACTOR's Defective Work. The CONTRACTOR shall not be allowed an extension of time because of any delay in performance of the Work attributable to the exercise, by the Contracting Officer, of the DEPARTMENT's rights and remedies hereunder.

## **ARTICLE 13 -PAYMENTS TO CONTRACTOR AND COMPLETION**

### **13.1 Schedule of Values:**

The Schedule of Values established as provided in paragraph 6.6 will serve as the basis for progress payments and will be incorporated into a form of Application for Payment acceptable to the Contracting Officer. Progress payments on account of Unit Price Work will be based on the number of units completed.

### **13.2 Preliminary Payments:**

Upon approval of the Schedule of Values the CONTRACTOR may be paid for direct costs substantiated by paid invoices and other prerequisite documents required by the General Requirements. Direct costs shall include the cost of bonds, insurance, approved materials stored on the site or at approved remote storage sites, deposits required by a Supplier prior to fabricating materials, and other approved direct mobilization costs substantiated as indicated above. These payments shall be included as a part of the total Contract Price as stated in the Contract.

### **13.3 Application for Progress Payment:**

The CONTRACTOR shall submit to the Contracting Officer for review an Application for Payment filled out and signed by the CONTRACTOR covering the Work completed as of the date of the Application for Payment and accompanied by such supporting documentation as is required by the Contract Documents. Progress payments will be made as the Work progresses on a monthly basis.

### **13.4 Review of Applications for Progress Payment:**

Contracting Officer will either indicate in writing a recommendation of payment or return the Application for Payment to the CONTRACTOR indicating in writing the Contracting Officer's reasons for refusing to recommend payment. In the latter case, the CONTRACTOR may make the necessary corrections and resubmit the Application for Payment.

### **13.5 Stored Materials and Equipment:**

If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the site or at another location agreed to in writing, the Application for Payment shall also be accompanied by a bill of sale, paid invoice or other documentation warranting that the DEPARTMENT has received the materials and equipment free and clear of all charges, security interests and encumbrances and evidence that the materials and equipment are covered by appropriate property insurance and other arrangements to protect the DEPARTMENT's interest therein, all of which will be Satisfactory to the Contracting Officer. No payment will be made for perishable materials that could be rendered useless because of long storage periods. No progress payment will be made for living plant materials until planted.

### **13.6 CONTRACTOR's Warranty of Title:**

The CONTRACTOR warrants and guarantees that title to all Work, materials and equipment covered by any Application for Payment, whether incorporated in the Project or not, will pass to the DEPARTMENT no later than the time of payment free and clear of any claims, liens, security interests and further obligations.

### **13.7 Withholding of Payments:**

The DEPARTMENT may withhold or refuse payment for any of the reasons listed below provided it gives written notice of its intent to withhold and of the basis for withholding:

- 13.7. 1 The Work is Defective or completed Work has been damaged requiring correction or replacement, or has been installed without Approval of Shop Drawings, or by an unapproved Subcontractor, or for unsuitable storage of materials and equipment.

- 13.7.2 The Contract Price has been reduced by Change Order,
- 13.7.3 The DEPARTMENT has been required to correct Defective Work or complete Work in accordance with paragraph 12.9.
- 13.7.4 The DEPARTMENT's actual knowledge of the occurrence of any of the events enumerated in paragraphs 14.2.1. a through 14.2.1.k inclusive.
- 13.7.5 Claims have been made against the DEPARTMENT or against the funds held by the DEPARTMENT on account of the CONTRACTOR's actions or inactions in performing this Contract, or there are other items entitling the DEPARTMENT to a set off.
- 13.7.6 Subsequently discovered evidence or the results of subsequent inspections or test, nullify any previous payments for reasons stated in subparagraphs 13.7.1 through 13.7.5.
- 13.7.7 The CONTRACTOR has failed to fulfill or is in violation of any of his obligations under any provision of this Contract.

### **13.8 Retainage:**

At any time, the DEPARTMENT finds that satisfactory progress is not being made it may in addition to the amounts withheld under 13.7 retain a maximum amount equal to 10% of the total amount earned on all subsequent progress payments. This retainage may be released at such time as the Contracting Officer finds that satisfactory progress is being made.

### **13.9 Request for Release of Funds:**

If the CONTRACTOR believes the basis for withholding is invalid or no longer exists, immediate written notice of the facts and Contract provisions on which the CONTRACTOR relies, shall be given to the DEPARTMENT, together with a request for release of funds and adequate documentary evidence proving that the problem has been cured. In the case of withholding which has occurred at the request of the Department of Labor, the CONTRACTOR shall provide a letter from the Department of Labor stating that withholding is no longer requested. Following such a submittal by the CONTRACTOR, the DEPARTMENT shall have a reasonable time to investigate and verify the facts and seek additional assurances before determining whether release of withheld payments is justified.

### **13.10 Substantial Completion:**

When the CONTRACTOR considers the Work ready for its intended use the CONTRACTOR shall notify the Contracting Officer in writing that the Work or a portion of Work which has been specifically identified in the Contract Documents is substantially complete (except for items specifically listed by the CONTRACTOR as incomplete) and request that the DEPARTMENT issue a certificate of Substantial Completion. Within a reasonable time thereafter, the Contracting Officer, the CONTRACTOR and appropriate Consultant(s) shall make an inspection of the Work to determine the status of completion. If the Contracting Officer does not consider the Work substantially complete, the Contracting Officer will notify the CONTRACTOR in writing giving the reasons therefor. If the Contracting Officer considers the Work substantially complete, the Contracting Officer will within fourteen days execute and deliver to the CONTRACTOR a certificate of Substantial Completion with tentative list of items to be completed or corrected. At the time of delivery of the certificate of Substantial Completion the Contracting Officer will deliver to the CONTRACTOR a written division of responsibilities pending Final Completion with respect to security, operation, safety, maintenance, heat, utilities, insurance and warranties which shall be consistent with the terms of the Contract Documents.

The DEPARTMENT shall be responsible for all DEPARTMENT costs resulting from the initial inspection and the first re-inspection, the CONTRACTOR shall pay all costs incurred by the DEPARTMENT resulting from re-

inspections, thereafter.

#### **13.11 Access Following Substantial Completion:**

The DEPARTMENT shall have the right to exclude the CONTRACTOR from the Work after the date of Substantial Completion, but the DEPARTMENT shall allow CONTRACTOR reasonable access to complete or correct items on the tentative list.

#### **13.12 Final Inspection:**

Upon written notice from the CONTRACTOR that the entire Work or an agreed portion thereof is complete, the Contracting Officer will make a final inspection with the CONTRACTOR and appropriate Consultant(s) and will notify the CONTRACTOR in writing of all particulars in which this inspection reveals that the Work is incomplete or Defective. The CONTRACTOR shall immediately take such measures as are necessary to remedy such deficiencies. The CONTRACTOR shall pay for all costs incurred by the DEPARTMENT resulting from re-inspections.

#### **13.13 Final Completion and Application for Payment:**

After the CONTRACTOR has completed all such corrections to the satisfaction of the Contracting Officer and delivered all schedules, guarantees, bonds, certificates of payment to all laborers, Subcontractors and Suppliers, and other documents - all as required by the Contract Documents; and after the Contracting Officer has indicated in writing that the Work has met the requirements for Final Completion, and subject to the provisions of paragraph 13.18, the CONTRACTOR may make application for final payment following the procedure for progress payments. The final Application for Payment shall be accompanied by all remaining certificates, warranties, guarantees, releases, affidavits, and other documentation required by the Contract Documents.

#### **13.14 Final Payment:**

- 13.14.1 If on the basis of the Contracting Officer's observation of the Work during construction and final inspection, and the Contracting Officer's review of the final Application for Payment and accompanying documentation• all as required by the Contract Documents; and the Contracting Officer is satisfied that the Work has been completed and the CONTRACTOR's other obligations under the Contract Documents have been fulfilled, the DEPARTMENT will process final Application for Payment. Otherwise, the Contracting Officer will return the Application for Payment to the CONTRACTOR, indicating in writing the reasons for refusing to process final payment, in which case the CONTRACTOR shall make the necessary corrections and resubmit the final Application for Payment.
- 13.14.2 If, through no fault of the CONTRACTOR, Final Completion of the Work is significantly delayed, the Contracting Officer shall, upon receipt of the CONTRACTOR's final Application for Payment, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed and accepted. If the remaining balance to be held by the DEPARTMENT for Work not fully completed or corrected is less than the retainage provided for in paragraph 13.9, and if bonds have been furnished as required in paragraph 5.1, the written consent of the Surety to the payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by the CONTRACTOR to the DEPARTMENT with the application for such payment. Such payment shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of claims.

#### **13.15 Final Acceptance:**

Following certification of payment of payroll and revenue taxes, and final payment to the CONTRACTOR, the DEPARTMENT will issue a letter of Final Acceptance, releasing the CONTRACTOR from further obligations under the Contract, except as provided in paragraph 13.17.

#### **13.16 CONTRACTOR's Continuing Obligation:**

The CONTRACTOR's obligation to perform and complete the Work and pay all laborers, Subcontractors, and materialmen in accordance with the Contract Documents shall be absolute. Neither any progress or final payment by the DEPARTMENT, nor the issuance of a certificate of Substantial Completion, nor any use or occupancy of the Work or any part thereof by the DEPARTMENT or Using Agency, nor any act of acceptance by the DEPARTMENT nor any failure to do so, nor any review and Approval of a Shop Drawing or sample submission, nor any correction of Defective Work by the DEPARTMENT will constitute an acceptance of Work not in accordance with the Contract Documents or a release of the CONTRACTOR's obligation to perform the Work in accordance with the Contract Documents.

When it is anticipated that restarting, testing, adjusting, or balancing of systems will be required following Final Acceptance and said requirements are noted in Section(s) 01650, such Work shall constitute a continuing obligation under the Contract.

#### **13.17 Waiver of Claims by CONTRACTOR:**

The making and acceptance of final payment will constitute a waiver of all claims by the CONTRACTOR against the DEPARTMENT other than those previously made in writing and still unsettled.

#### **13.18 No Waiver of Legal Rights:**

The DEPARTMENT shall not be precluded or be estopped by any payment, measurement, estimate, or certificate made either before or after the completion and acceptance of the Work and payment therefor, from showing the true amount and character of the Work performed and materials furnished by the CONTRACTOR, nor from showing that any payment, measurement, estimate or certificate is untrue or is incorrectly made, or that the Work or materials are Defective. The DEPARTMENT shall not be precluded or estopped, notwithstanding any such measurement, estimate, or certificate and payment in accordance therewith, from recovering from the CONTRACTOR or his Sureties, or both, such damages as it may sustain by reason of his failure to comply with requirements of the Contract Documents. Neither the acceptance by the DEPARTMENT, or any representative of the DEPARTMENT, nor any payment for or acceptance of the whole or any part of the Work, nor any extension of the Contract Time, nor any possession taken by the DEPARTMENT, shall operate as a waiver of any portion of the Contract or of any power herein reserved, or of any right to damages. A waiver by the DEPARTMENT of any breach of the Contract shall not be held to be a waiver of any other subsequent breach.

## **ARTICLE 14- SUSPENSION OF WORK, DEFAULT AND TERMINATION**

### **14.1 DEPARTMENT May Suspend Work:**

- 14.1.1 The DEPARTMENT may, at any time, suspend the Work or any portion thereof by notice in writing to the CONTRACTOR. If the Work is suspended without cause the CONTRACTOR shall be allowed an increase in the Contract Price or an extension of the Contract Time, or both, directly attributable to any suspension if the CONTRACTOR makes an Approved claim therefor as provided in Article 15. However, no adjustment shall be made under this clause for any suspension, delay, or interruption to the extent that suspension is due to the fault or negligence of the CONTRACTOR, or that suspension is necessary for Contract compliance, or that performance would have been so suspended, delayed, or interrupted by any other cause, including the fault or negligence of the CONTRACTOR.
- 14.1.2 In case of suspension of Work, the CONTRACTOR shall be responsible for preventing damage to or loss of any of the Work already performed and of all materials whether stored on or off the site or Approved remote storage sites.

### **14.2 Default of Contract:**

- 14.2.1 The Contracting Officer may give the CONTRACTOR and its surety a written Notice to Cure Default if the CONTRACTOR:
- a. fails to begin work in the time specified,
  - b. fails to use sufficient resources to assure prompt completion of the Work,
  - c. performs the Work unsuitably or neglects or refuses to remove and replace rejected materials or work,
  - d. stops work,
  - e. fails to resume stopped work after receiving notice to do so,
  - f. becomes insolvent (except that if the CONTRACTOR declares bankruptcy, termination will be under Title 11 US Code 362 and/or 365. The CONTRACTOR'S bankruptcy does not relieve the surety of any obligations to assume the Contract and complete the Work in a timely manner.
  - g. Allows any final judgment to stand against him unsatisfied for period of 60 days, or
  - h. Makes an assignment for the benefit of creditors without the consent of the Contracting Officer, or
  - i. Disregards Regulatory Requirements of any public body having jurisdiction, or
  - j. Otherwise violates in any substantial way any provisions of the Contract Documents, or
  - k. fails to comply with Contract minimum wage payments or civil rights requirements, or
  - l. is a party to fraud, deception, misrepresentation, or
  - m. for any cause whatsoever, fails to carry on the Work in an acceptable manner.
- 14.2.2 The Notice to Cure Default will detail the conditions determined to be in default, the time within which to cure the default and may, in the Contracting Officer's discretion, specify the actions necessary to cure the default. Failure to cure the delay, neglect or default within the time specified in the Contracting Officer's written notice to cure authorizes the DEPARTMENT to terminate the contract. The Contracting Officer may allow more time to cure than originally stated in the Notice to Cure Default if he deems it to be in the best interests of the DEPARTMENT. The DEPARTMENT will provide the CONTRACTOR or its surety with a written Notice of Default Termination that details the default and the failure to cure it.
- 14.2.3 If the CONTRACTOR or its Surety, within the time specified in the above notice of default, shall not proceed in accordance therewith, then the DEPARTMENT may, upon written notification from the Contracting Officer of the fact of such delay, neglect or default and the CONTRACTOR's failure to comply with such notice, have full power and authority without violating the Contract, to take the prosecution of the Work out of the hands of the CONTRACTOR. The DEPARTMENT may terminate the services of the CONTRACTOR, exclude the CONTRACTOR from the site and take possession of the Work and of all the CONTRACTOR's tools, appliances, construction equipment and machinery at the site and use the same to the full extent they could be

used by the CONTRACTOR (without liability to the CONTRACTOR for trespass or conversion), incorporate in the Work all materials and equipment stored at the site or for which the DEPARTMENT has paid the CONTRACTOR but which are stored elsewhere, and finish the Work as the DEPARTMENT may deem expedient. The DEPARTMENT may enter into an agreement for the completion of said Contract according to the terms and provisions thereof, or use such other methods that in the opinion of the Contracting Officer are required for the completion of said Contract in an acceptable manner.

- 14.2.4 The Contracting Officer may, by written notice to the CONTRACTOR and its Surety or its representative, transfer the employment of the Work from the CONTRACTOR to the Surety, or if the CONTRACTOR abandons the Work undertaken under the Contract, the Contracting Officer may, at its option with written notice to the Surety and without any written notice to the CONTRACTOR, transfer the employment for said Work directly to the Surety. The Surety shall submit its plan for completion of the Work, including any contracts or agreements with third parties for such completion, to the DEPARTMENT for approval prior to beginning completion of the Work. Approval of such contracts shall be in accordance with all applicable requirements and procedures for approval of subcontracts as stated in the Contract Documents.
- 14.2.5 After the notice of termination is issued, the DEPARTMENT may take over the Work and complete it by contract or otherwise and may take possession of and use materials, appliances, equipment or plant on the Work site necessary for completing the Work.
- 14.2.6 Rather than taking over the Work itself, the DEPARTMENT may transfer the obligation to perform the Work from the CONTRACTOR to its surety. The surety must submit its plan for completion of the Work, including any contracts or agreements with third parties for completion, to the DEPARTMENT for approval prior to beginning work. The surety must follow the Contract requirements for approval of subcontracts, except that the limitation on percent of work subcontracted will not apply.
- 14.2.7 On receipt of the transfer notice, the surety must take possession of all materials, tools, and appliances at the Work site, employ an appropriate work force, and complete the Contract work, as specified. The Contract specifications and requirements shall remain in effect. However, the DEPARTMENT will make subsequent Contract payments directly to the Surety for work performed under the terms of the Contract. The CONTRACTOR shall forfeit any right to claim for the same work or any part thereof. The CONTRACTOR shall not be entitled to receive any further balance of the amount to be paid under the Contract.
- 14.2.8 Upon receipt of the notice terminating the services of the CONTRACTOR, the Surety shall enter upon the premises and take possession of all materials, tools, and appliances thereon for the purpose of completing the Work included under the Contract and employ by contract or otherwise any person or persons to finish the Work and provide the materials therefore, without termination of the continuing full force and effect of this Contract. In case of such transfer of employment to the Surety, the Surety shall be paid in its own name on estimates covering Work subsequently performed under the terms of the Contract and according to the terms thereof without any right of the CONTRACTOR to make any claim for the same or any part thereof.
- 14.2.9 If the Contract is terminated for default, the CONTRACTOR and the Surety shall be jointly and severally liable for damages for delay as provided by paragraph 11.8, and for the excess cost of completion, and all costs and expenses incurred by the DEPARTMENT in completing the Work or arranging for completion of the Work, including but not limited to costs of assessing the Work to be done, costs associated with advertising, soliciting or negotiating for bids or proposals for completion, and other procurement costs. Following termination the CONTRACTOR shall not be entitled to receive any further balance of the amount to be paid under the Contract until the Work is fully finished and accepted, at which time if the unpaid balance exceeds the amount due the DEPARTMENT and any amounts due to persons for whose benefit the DEPARTMENT has withheld funds, such excess shall be paid by the DEPARTMENT to the CONTRACTOR. If the damages, costs, and expenses due the DEPARTMENT exceed the unpaid balance, the CONTRACTOR and its Surety shall pay the difference.
- 14.2.10 If, after notice of termination of the CONTRACTOR's right to proceed under the provisions of this clause, it is determined for any reason that the CONTRACTOR was not in default under the provisions of this clause, or that the delay was excusable under the provisions of this clause, or that termination was wrongful, the rights and obligations of the parties shall be determined in accordance with the clause providing for convenience termination.

### **14.3 Rights or Remedies:**

Where the CONTRACTOR's services have been so terminated by the DEPARTMENT, the termination will not affect any rights or remedies of the DEPARTMENT against the CONTRACTOR then existing or which may thereafter accrue. Any retention or payment of moneys due the CONTRACTOR by the DEPARTMENT will not release the CONTRACTOR from liability.

### **14.4 Convenience Termination:**

14.4.1 The performance of the Work may be terminated by the DEPARTMENT in accordance with this section in whole or in part, whenever, for any reason the Contracting Officer shall determine that such termination is in the best interest of the DEPARTMENT. Any such termination shall be effected by-delivery to the CONTRACTOR of a Notice of Termination, specifying termination is for the convenience of the DEPARTMENT the extent to which performance of Work is terminated, and the date upon which such termination becomes effective.

14.4.2 Immediately upon receipt of a Notice of Termination and except as otherwise directed by the Contracting Officer, the CONTRACTOR shall:

- a. Stop Work on the date and to the extent specified in the Notice of Termination;
- b. Place no further orders or subcontracts for materials, services, or facilities except as may be necessary for completion of such portion of the Work as is not terminated;
- c. Terminate all orders and subcontracts to the extent that they relate to the performance of Work terminated by the Notice of Termination;
- d. With the written Approval of the Contracting Officer, to the extent he may require, settle all outstanding liabilities and all claims arising out of such termination of orders and subcontracts, the cost of which would be reimbursable, in whole, or in part, in accordance with the provisions of the Contract;
- e. Submit to the Contracting Officer a list, certified as to quantity and quality, of any or all items of termination inventory exclusive of items the disposition of which had been directed or authorized by the Contracting Officer;
- f. Transfer to the Contracting Officer the completed or partially completed record drawings, Shop Drawings, information, and other property which, if the Contract had been completed, would be required to be furnished to the DEPARTMENT;
- g. Take such action as may be necessary, or as the Contracting Officer may direct, for the protection and preservation of the property related to the Contract which is in the possession of the CONTRACTOR and in which the DEPARTMENT has or may acquire any interest.

The CONTRACTOR shall proceed immediately with the performance of the above obligations.

14.4.3 When the DEPARTMENT orders termination of the Work effective on a certain date, all Work in place as of that date will be paid for in accordance with Article 13 of the Contract. Materials required for completion and on hand but not incorporated in the Work will be paid for at invoice cost plus 15% with materials becoming the property of the DEPARTMENT- or the CONTRACTOR may retain title to the materials and be paid an agreed upon lump sum. Materials on order shall be cancelled, and the DEPARTMENT shall pay reasonable factory cancellation charges with the option of taking delivery of the materials in lieu of payment of cancellation charges. The CONTRACTOR shall be paid 10% of the cost; freight not included, of materials cancelled, and direct expenses only for CONTRACTOR chartered freight transport which cannot be cancellation without charges, to the extent that the CONTRACTOR can establish them. The extra costs due to cancellation of bonds and insurance and that part of job start-up and phase-out costs not amortized by the amount of Work accomplished shall be paid by the DEPARTMENT. Charges for loss of profit or consequential damages shall not be recoverable except as provided above.

- a. The following costs are not payable under a termination settlement agreement or Contracting Officer's determination of the termination claim:
  1. Loss of anticipated profits or consequential or compensatory damages



2. Unabsorbed home office overhead (also termed "General & Administrative Expense") related to ongoing business operations
  3. Bidding and project investigative costs
  4. Direct costs of repairing equipment to render it operable for use on the terminated work
- 14.4.4 The termination claim shall be submitted promptly, but in no event later than 90 days from the effective date of termination, unless extensions in writing are granted by the Contracting Officer upon written request of the CONTRACTOR made within the 90-day period. Upon failure of the CONTRACTOR to submit his termination claim within the time allowed, the Contracting Officer may determine, on the basis of information available to him, the amount, if any, due to the CONTRACTOR by reason of the termination and shall thereupon pay to the CONTRACTOR the amount so determined.
- 14.4.5 The CONTRACTOR and the Contracting Officer may agree upon whole or any part of the amount or amounts to be paid to the CONTRACTOR by reason of the total or partial termination of Work pursuant to this section. The Contract shall be amended accordingly, and the CONTRACTOR shall be paid the agreed amount.
- 14.4.6 In the event of the failure of the CONTRACTOR and the Contracting Officer to agree in whole or in part, as provided heretofore, as to the amounts with respect to costs to be paid to the CONTRACTOR in connection with the termination of the Work the Contracting Officer shall determine, on the basis of information available to him, the amount, if any, due to the CONTRACTOR by reason of the termination and shall pay to the CONTRACTOR the amount determined as follows:
- a. All costs and expenses reimbursable in accordance with the Contract not previously paid to the CONTRACTOR for the performance of the Work prior to the effective date of the Notice of Termination;
  - b. So far as not included under "a" above, the cost of settling and paying claims arising out of the termination of the Work under subcontracts or orders which are properly chargeable to the terminated portions of the Contract;
  - c. So far as practicable, claims by the CONTRACTOR for idled or stand-by equipment shall be made as follows: Equipment claims will be reimbursed as follows:
    1. Contractor-owned equipment usage based on the CONTRACTOR'S ownership and operating costs for each piece of equipment as determined from the CONTRACTOR'S accounting records. Under no circumstance, may the CONTRACTOR base equipment claims on published rental rates.
    2. Idle or stand-by time for Contractor-owned equipment, based on the CONTRACTOR'S internal ownership and depreciation costs. Idle or stand-by equipment time is limited to the actual period of time equipment is idle or on stand-by as a direct result of the termination, not to exceed 30 days. Operating expenses will not be included for payment of idle or stand-by equipment time.
    3. Rented equipment, based on reasonable, actual rental costs. Equipment leased under "capital leases" as defined in Financial Accounting Standard No. 13 will be considered Contractor-owned equipment. Equipment leased from an affiliate, division, subsidiary or other organization under common control with the CONTRACTOR will be considered Contractor-owned equipment, unless the lessor has an established record of leasing to unaffiliated lessees at competitive rates consistent with the rates the CONTRACTOR has agreed to pay and no more than forty percent of the lessor's leasing business, measured in dollars, is with organizations affiliated with the lessor.
- 14.4.7 The CONTRACTOR shall have the right of appeal under the DEPARTMENT's claim procedures, as defined in Article 15, for any determination made by the Contracting Officer, except if the CONTRACTOR has failed to submit his claim within the time provided and has failed to request extension of such time, CONTRACTOR shall have no such right of appeal. In arriving at the amount due the CONTRACTOR under this section, there shall be deducted:
- a. All previous payments made to the CONTRACTOR for the performance of Work under the Contract prior to termination;
  - b. Any claim for which the DEPARTMENT may have against the CONTRACTOR;
  - c. The agreed price for, or the proceeds of sale of, any materials, supplies, or other things acquired by the

CONTRACTOR or sold pursuant to the provisions of this section and not otherwise recovered by or credited to the DEPARTMENT; and,

- d. All progress payments made to the CONTRACTOR under the provisions of this section.
- 14.4.8 Where the Work has been terminated by the DEPARTMENT said termination shall not affect or terminate any of the rights of the DEPARTMENT against the CONTRACTOR or his Surety then existing, or which may thereafter accrue because of such default. Any retention or payment of monies by the DEPARTMENT due to the CONTRACTOR under the terms of the Contract shall not release the CONTRACTOR or its Surety from liability.
- 14.4.9 The CONTRACTOR's termination claim may not include claims that pre dated the notice for termination for convenience. Those claims shall be prosecuted by the CONTRACTOR under Article 15.
- 14.4.10 The CONTRACTOR'S termination claim may not exceed the total dollar value of the contract as awarded plus agreed upon change orders less the amounts that have been paid for work completed.
- a. Unless otherwise provided for in the Contract Documents, or by applicable statute, the CONTRACTOR, from the effective date of termination and for a period of three years after final settlement under this Contract, shall preserve and make available to the DEPARTMENT at all reasonable times at the office of the CONTRACTOR, all its books, records, documents, and other evidence bearing on the cost and expenses of the CONTRACTOR under his Contract and relating to the Work terminated hereunder.
  - b. Definitions. In this Subsection 108-1.09, the term "cost" and the term "expense" mean a monetary amount in U.S. Dollars actually incurred by the CONTRACTOR, actually reflected in its contemporaneously maintained accounting or other financial records and supported by original source documentation.
  - c. Cost Principles. The DEPARTMENT may use the federal cost principles at 48 CFR §§ 31.201-1 to 31.205-52 (or succeeding cost principles for fixed price contracts) as guidelines in determining allowable costs under this Subsection to the extent they are applicable to construction contracts and consistent with the specifications of this Contract. The provisions of this contract control where they are more restrictive than, or inconsistent with, these federal cost principles."

## **ARTICLE 15 - CLAIMS FOR ADJUSTMENT AND DISPUTES**

### **15.1 Notification**

- 15.1.1 The CONTRACTOR shall notify the DEPARTMENT in writing as soon as the CONTRACTOR becomes aware of any act or occurrence which may form the basis of a claim for additional compensation or an extension of Contract Time or of any dispute regarding a question of fact or interpretation of the Contract. The DEPARTMENT has no obligation to investigate any fact or occurrence that might form the basis of a claim or to provide any additional compensation or extension of Contract Time unless the CONTRACTOR has notified the DEPARTMENT in writing in a timely manner of all facts the CONTRACTOR believes form the basis for the claim.
- 15.1.2 If the CONTRACTOR believes that he is entitled to an extension of Contract Time, then the CONTRACTOR must state the contract section on which he basis his extension request, provide the DEPARTMENT with sufficient information to demonstrate that the CONTRACTOR has suffered excusable delay, and show the specific amount of time to which the CONTRACTOR is entitled. The DEPARTMENT will not grant an extension of Contract Time if the CONTRACTOR does not timely submit revised schedules under Section 13.10.
- 15.1.3 If the matter is not resolved by agreement within 7 days, the CONTRACTOR shall submit an Intent to Claim, in writing, to the DEPARTMENT within the next 14 days.
- 15.1.4 If the CONTRACTOR believes additional compensation or time is warranted, then he must immediately begin keeping complete, accurate, and specific daily records concerning every detail of the potential claim including actual costs incurred. The CONTRACTOR shall provide the DEPARTMENT access to any such records and furnish the DEPARTMENT copies, if requested. Equipment costs must be based on the CONTRACTOR's internal rates for ownership, depreciation, and operating expenses and not on published rental rates. In computing damages, or costs claimed for a change order, or for any other claim against the DEPARTMENT for additional time, compensation or both, the CONTRACTOR must prove actual damages based on internal costs for equipment, labor or efficiencies. Total cost, modified total cost or jury verdict forms of presentation of damage claims are not permissible to show damages. Labor inefficiencies must be shown to actually have occurred and can be proven solely based on job records. Theoretical studies are not a permissible means of showing labor inefficiencies. Home office overhead will not be allowed as a component of any claim against the DEPARTMENT.
- 15.1.5 If the claim or dispute is not resolved by the DEPARTMENT, then the CONTRACTOR shall submit a written Claim to the Contracting Officer within 90 days after the CONTRACTOR becomes aware of the basis of the claim or should have known the basis of the claim, whichever is earlier. The Contracting Officer will issue written acknowledge of the receipt of the Claim.
- 15.1.6 The CONTRACTOR waives any right to claim if the DEPARTMENT was not notified properly or afforded the opportunity to inspect conditions or monitor actual costs or if the Claim is not filed on the date required.

### **15.2 Presenting the Claim**

- 15.2.1 The Claim must include all of the following:
- a. The act, event, or condition the claim is based on
  - b. The Contract provisions which apply to the claim and provide relief
  - c. The item or items of Contract work affected and how they are affected
  - d. The specific relief requested, including Contract Time if applicable, and the basis upon which it was calculated
  - e. A statement certifying that the claim is made in good faith, that the supporting cost and pricing data are accurate and complete to the best of your knowledge and belief, and that the amount requested accurately reflects the Contract adjustment which the CONTRACTOR believes is due.

### **15.3 Claim Validity, Additional Information, and DEPARTMENT's Action**

- 15.3.1 The Claim, in order to be valid, must not only show that the CONTRACTOR suffered damages or delay but that it was caused by the act, event, or condition complained of and that the Contract provides entitlement to relief for such act, event, or condition.
- 15.3.2 The DEPARTMENT can make written request to the CONTRACTOR at any time for additional information relative to the Claim. The CONTRACTOR shall provide the DEPARTMENT the additional information within 30 days of receipt of such a request. Failure to furnish the additional information may be regarded as a waiver of the Claim.

### **15.4 Contracting Officer's Decision**

The CONTRACTOR will be furnished the Contracting Officer's Decision within 90 days, unless the Contracting Officer requests additional information or gives the CONTRACTOR notice that the time for issuing a decision is being extended for a specified period under AS 36.30.620. The Contracting Officer's decision is final and conclusive unless, within 14 days of receipt of the decision, the CONTRACTOR delivers a Notice of Appeal to the Appeals Officer. Procedures for appeals are covered under AS 36.30.625 and AS 36.30.630.

### **15.5 Fraud and Misrepresentation in Making Claims**

Criminal and Civil penalties authorized under AS 36.30.687 (including, but not limited to, forfeiture of all claimed amounts) may be imposed on the CONTRACTOR if the CONTRACTOR makes or uses a misrepresentation in support of a claim or defraud or attempt to defraud the DEPARTMENT at any stage of prosecuting a claim under this Contract.

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Work, Neglected by CONTRACTOR .....	14.2.1.c
Work, Stopping by CONTRACTOR .....	3 5.1; 4.6
Work, Stopping by Owner.....	12.5; 14.1

## 0800 SUPPLEMENTAL PROVISIONS OF THE CONSTRUCTION CONTRACT

### Special Provisions:

Not applicable.

### General:

1. Federal Debarment, Suspension, Ineligibility and Voluntary Exclusion. Expenditures from this contract may involve federal funds. The U.S. Department of Labor requires all state agencies that are expending federal funds to have a certification filed in the proposal or bid (by the offeror or bidder) that they have not been debarred or suspended from doing business with the federal government. Certification regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion Lower Tier Covered Transactions **must be completed and submitted by the Contractor and Subcontractor prior to award.** This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 29 CFR Part 98, Section 98.510, Participant's responsibilities. The regulations were published as Part VII of the May 26, 1988 Federal Register (pages 19160-19211). This form will be required to be submitted during annual renewals of the contract.
2. Byrd Anti-Lobbying Amendment. The Contractor and subcontractor must comply with all requirements of the Byrd Anti-Lobbying Amendment (31 U.S.C 1352) (Appendix C). Appendix C **must be completed and submitted by the contractor and subcontractor prior to contract award.** If the Contractor and or subcontractors do not complete the Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions shall be disqualified from consideration. This form will be required to be submitted during annual renewals of the contract.
3. Contract Work Hours and Safety Standards Act. The Contractor must comply with all requirements of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3701-3708), as supplemented by the Department of Labor regulations (29 CFR part 5).
4. Copeland Anti-Kick Back Act. The Contractor must comply with all requirements of the Copeland Anti-Kick Back Act (18 U.S.C. 874 and 40 U.S.C 3145) as supplemented in Department of Labor regulations (29 CFR, Part 3).
5. Solid Waste Disposal Act. The Contractor must comply with all requirements of section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act.
6. Clean Air Act and Water Pollution Control Act. The Contractor must comply with all requirements of the Clean Air Act (42 U.S.C. 7401- 7671q) including section 114 and section 308 of the Water Pollution Control Act (33 U.S.C. 1251-1388).
7. Clean Water Act. The Contractor must comply with all requirements of section 215 (Requirements for American Materials) of the Clean Water Act (33 U.S.C. 1251 et seq.) and implementing EPA regulations. The Contractor agrees that preference will be given to domestic construction materials by the Contractor, subcontractors, materialmen, and suppliers.
8. Equal Employment Opportunity. The Contractor must comply with all requirements of Executive Order 11246 (3 CFR, 1966 Comp., p. 339), entitled, "Equal Employment Opportunity," as amended by Executive Order 11375 (3 CFR, 1968 Comp., p. 321), and as supplemented by the Department of Labor regulations 41 CFR chapter 60.



9. Drug Free Workplace Act of 1988. The Contractor must comply with all requirements of the regulations implementing Sections 5151-5160 of the Drug Free Workplace Act of 1988 (Pub. L. 100- 690, Title V, Subtitle D; 41 U.S.C, 701 et seq.), 7 CFR Part 3017, Subpart F, Section 3017.600, Purpose. The regulations were published as Part II of the January 31, 1989 Federal Register (pages 4947-4952).
10. Americans with Disabilities Act (ADA) of 1990. The Contractor must comply with all requirements of the Americans with Disabilities Act of 1990 (42 U.S.C 12101 et seq.) and the regulations issued thereunder by the federal government. Services or activities furnished to the general public on behalf of the state must be fully accessible. This is intended to ensure that agencies are in accordance with 28 CFR Part 35 Section 35.130 and that services, programs or activities furnished to the public through a contract do not subject qualified individuals with a disability to discrimination based on the disability.
11. Civil Rights Act of 1964. The Contractor must comply with all requirements of Title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d et seq.) as outlined in 7 CFR 1901 subpart E.
12. Rehabilitation Act of 1973. The Contractor must comply with all requirements of section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794).
13. Age Discrimination Act of 1975. The Contractor must comply with all requirements of the Age Discrimination Act of 1975 (42 U.S.C. 6101 et seq.).
14. Human Trafficking. By signature on their bid, the bidder certifies that the bidder is not established and headquartered or incorporated and headquartered in a country recognized as Tier 3 in the most recent United States Department of State's Trafficking in Persons Report.

The most recent United States Department of State's Trafficking in Persons Report can be found at the following website: <http://www.state.gov/g/tip/>

The Contractor must comply with this requirement, failure to comply with this requirement will cause the state to reject the bid as non-responsive, or cancel the contract.

15. Bayh-Dole Act. The Contractor must comply with all requirements of the Bayh-Dole Act and also as the University and Small Business Patent Procedures Act of 1980.
16. Hotel and Motel Fire Safety Act. The Contractor must comply with all requirements of the Hotel and Motel Fire Safety Act of 1990.
17. Prohibition on Certain Telecommunication and Video Surveillance Services or Equipment. On projects using federal funds, the Contractor shall comply with the requirements of 2 CFR 200.216, as amended effective August 13, 2020, Federal Register, Vol. 85, No. 157, 49506 - 49582, **Prohibition on certain telecommunication and video surveillance services or equipment.**

By signature of the bid, proposal, contract or contract amendment the Contractor certifies the Contractor and subcontractors have not entered into a contract nor extended or renewed a contract to procure or obtain equipment, services, or systems that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system produced by:

- a. Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).
- b. Hera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).
- c. Any entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

The Contractor shall further certify that it has complied the requirements of 2 CFR 200.216, as amended effective August 13, 2020, Federal Register, Vol. 85, No. 157, 49506-49582 and that it will continue to do so throughout the term of the Contract.

# NOTICE TO BIDDERS

## **Pamphlet 600: Laborers' & Mechanics' Minimum Rates of Pay**

<https://labor.alaska.gov/lss/pamp600.htm>

## **Pamphlet 400: Title 36 Public Contracts & 8 AAC Chapter 30**

<https://labor.alaska.gov/lss/forms/Pam400.pdf>

## **Notice of Work / Notice of Completion** (Required On All Projects Over \$25K)

- You must submit these through “My Alaska” web link at <https://my.alaska.gov/> you must register if not already.
- Once you have logged in, return to the home page under “Services for Businesses”, click on “LSS-Online Filing Services”. <https://certpay.dol.alaska.gov/portal.aspx>

## **Employment Preference Determination (July 1, 2017)**

<http://labor.alaska.gov/lss/forms/2017-employment-pref-determination.pdf>

## **DOL Alaska Employment Preference Information**

<http://labor.alaska.gov/lss/forms/2015-employment-info-sheet.pdf>

## **Alaska Wage and Hour Administration Offices / Hours and Web links:**

Anchorage: [Anchorage.lss-wh@alaska.gov](mailto:Anchorage.lss-wh@alaska.gov)

Phone: 907-269-4909

Fax: 907-269-4915

Juneau: [Juneau.lss-wh@alaska.gov](mailto:Juneau.lss-wh@alaska.gov)

Phone: 907-465-4842

Fax: 907-465-3584

Fairbanks: [Fairbanks.lss-wh@alaska.gov](mailto:Fairbanks.lss-wh@alaska.gov)

Phone: 907-451-2886

Fax: 907-451-2885

## Federal Debarment Certification Form

### Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion Lower Tier Covered Transactions

This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 29 CFR Part 98, Section 98.510, Participant's responsibilities. The regulations were published as Part VII of the May 26, 1988 Federal Register (pages 19160-19211).

**(BEFORE COMPLETING CERTIFICATION, READ THE INSTRUCTIONS ON THE FOLLOWING PAGE WHICH ARE AN INTEGRAL PART OF THE CERTIFICATION)**

(1) The prospective recipient of Federal assistance funds certifies, by submission of this bid, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

(2) Where the prospective recipient of Federal assistance funds is unable to certify to any of the Statements in this certification, such prospective participant shall attach an explanation to this Proposal.

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Name and Title of Authorized Representative

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Signature

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Date

## **Federal Debarment Certification Form Instructions**

### **Instructions for Certification**

1. By signing and submitting this Proposal, the prospective recipient of Federal assistance funds is providing the certification as set out below.
2. The certification in this class is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective recipient of Federal assistance funds knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the Department of Labor (DOL) may pursue available remedies, including suspension and/or debarment.
3. The prospective recipient of Federal assistance funds shall provide immediate written notice to the person to whom this Proposal is submitted if at any time the prospective recipient of Federal assistance funds learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
4. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "Proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this Proposal is submitted for assistance in obtaining a copy of those regulations.
5. The prospective recipient of Federal assistance funds agrees by submitting this Proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the DOL.
6. The prospective recipient of Federal assistance funds further agrees by submitting this Proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may but is not required to check the List of Parties Excluded from Procurement or Non-procurement Programs.
8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the DOL may pursue available remedies, including suspension and/or debarment.

## CERTIFICATION REGARDING LOBBYING

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents of all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly. The contractor and any subcontractors must return this completed certification form to the contract administering office.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, United States Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Organization: \_\_\_\_\_

Street address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

\_\_\_\_\_  
CERTIFIED BY: (Type or Print)

\_\_\_\_\_  
TITLE:

\_\_\_\_\_  
(signature)

\_\_\_\_\_  
(date)

**FAR 52.203-11****CERTIFICATION AND DISCLOSURE REGARDING PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (SEPT 2007)** (a) *Definitions*. As used in this provision—"Lobbying contact" has the meaning provided at [2](#)

[U.S.C. 1602\(8\)](#). The terms "agency," "influencing or attempting to influence," "officer or employee of an agency," "person," "reasonable compensation," and "regularly employed" are defined in the FAR clause of this solicitation entitled "Limitation on Payments to Influence Certain Federal Transactions" ([52.203-12](#)).

(b) *Prohibition*. The prohibition and exceptions contained in the FAR clause of this solicitation entitled "Limitation on Payments to Influence Certain Federal Transactions" ([52.203-12](#)) are hereby incorporated by reference in this provision.

(c) *Certification*. The offeror, by signing its offer, hereby certifies to the best of its knowledge and belief that no Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress on its behalf in connection with the awarding of this contract.

(d) *Disclosure*. If any registrants under the Lobbying Disclosure Act of 1995 have made a lobbying contact on behalf of the offeror with respect to this contract, the offeror shall complete and submit, with its offer, OMB Standard Form LLL, Disclosure of Lobbying Activities, to provide the name of the registrants. The offeror need not report regularly employed officers or employees of the offeror to whom payments of reasonable compensation were made.

(e) *Penalty*. Submission of this certification and disclosure is a prerequisite for making or entering into this contract imposed by [31 U.S.C. 1352](#). Any person who makes an expenditure prohibited under this provision or who fails to file or amend the disclosure required to be filed or amended by this provision, shall be subject to a civil penalty of not less than \$10,000, and not more than \$100,000, for each such failure.

**CONSENT TO USE OF ELECTRONIC SIGNATURES**

BY CHECKING HERE, I AGREE TO THE USE OF ELECTRONIC SIGNATURES AS VALID, LEGALLY BINDING SUBSTITUTES FOR ORIGINAL, HANDWRITTEN SIGNATURES ON THIS DOCUMENT.

Company \_\_\_\_\_

Name (signature) \_\_\_\_\_

Name (printed) \_\_\_\_\_

Title \_\_\_\_\_ Date of execution \_\_\_\_\_



# DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

Approved by OMB

0348-0046

(See reverse for public burden disclosure.)

<b>1. Type of Federal Action:</b> <input type="checkbox"/> a. contract <input type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance		<b>2. Status of Federal Action:</b> <input type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award		<b>3. Report Type:</b> <input type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change <b>For Material Change Only:</b> year _____ quarter _____ date of last report _____	
<b>4. Name and Address of Reporting Entity:</b> <input type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier _____, if known:  <b>Congressional District, if known:</b>			<b>5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime:</b>  <b>Congressional District, if known:</b>		
<b>6. Federal Department/Agency:</b>			<b>7. Federal Program Name/Description:</b>  CFDA Number, if applicable: _____		
<b>8. Federal Action Number, if known:</b>			<b>9. Award Amount, if known:</b> \$ _____		
<b>10. a. Name and Address of Lobbying Registrant</b> (if individual, last name, first name, MI):			<b>b. Individuals Performing Services</b> (including address if different from No. 10a) (last name, first name, MI):		
<b>11.</b> Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.			Signature: _____ Print Name: _____ Title: _____ Telephone No.: _____ Date: _____		
<b>Federal Use Only:</b>				Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)	

## INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.
2. Identify the status of the covered Federal action.
3. Identify the appropriate classification of this report. If this is a followup report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, State and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filing the report in item 4 checks "Subawardee," then enter the full name, address, city, State and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, State and zip code of the lobbying registrant under the Lobbying Disclosure Act of 1995 engaged by the reporting entity identified in item 4 to influence the covered Federal action.  
  
(b) Enter the full names of the individual(s) performing services, and include full address if different from 10 (a). Enter Last Name, First Name, and Middle Initial (MI).
11. The certifying official shall sign and date the form, print his/her name, title, and telephone number.

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is OMB No. 0348-0046. Public reporting burden for this collection of information is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, DC 20503.

## 203799 Section 5

### Technical Specifications

#### Construction of 6-Inch Diameter Exploratory Water Supply Well(s)

##### Platinum, Alaska PART 1 – GENERAL

###### 1.1 DESCRIPTION

The work covered by this section includes the furnishing of all materials, labor, equipment and performing all operations for the construction of a 6-inch diameter exploratory water supply well for the City of Platinum (herein referred to as OWNER) located in Platinum, Alaska. The Alaska Department of Environmental Conservation (ADEC) Village Safe Water (VSW) Program will act as the OWNER's Representative, assume all duties and responsibilities, and have the rights and authority assigned to OWNER in the Contract Documents in connection with completion of the work in accordance with the Contract Documents. Stantec Consulting Services, Inc. will serve as the Project Hydrogeologist/Engineer, hereinafter called ENGINEER, and will be responsible for monitoring the performance of services provided by the Driller (CONTRACTOR).

Attached to these specifications is **Figure 1**, which shows a vicinity map of Platinum, Alaska. Also attached to these specifications is **Figure 2** that shows the two proposed exploratory water supply wells located adjacent to the main road, above the gravel pit, in Platinum. The first water supply well to be drilled will be the well identified as Exploratory Well #1 (EW-1) on **Figure 2** and is located south of Smalls River, on the west side of the haul road. The second exploratory water supply well to be drilled is identified as Exploratory Well #2 (EW-2) on **Figure 2** and is also located south of Smalls River, on the west side of the haul road, south of existing City Well #3. EW-2 will be drilled at the direction of the Engineer in the event EW-1 could not be completed as desired, i.e., inadequate depth or not meeting specifications, or the finding of unacceptable groundwater condition such as not meeting desirable water quality and/or inadequate flow production.

A hydrogeological desk top study of the Platinum area was completed in 2019 by the ENGINEER. The study evaluated known and assumed hydrogeologic conditions in Platinum and summarized their general findings as follows:

Platinum, Alaska is a village located west of the Red Mountains on a sand and gravel spit between the Bering Sea and Goodnews Bay, Alaska, while the coastal region south of Platinum is covered with wet tundra. The village and the surrounding areas are predominantly level with a gentle slope towards the Bering Sea and Goodnews Bay. Bedrock in the Platinum area is composed of strongly deformed sedimentary and volcanic rocks of late Paleozoic and Mesozoic age and includes some bodies of older schist. The deep, well-drained, unconsolidated Quaternary deposits include beach sands and gravels, flood plain alluvium, glacial drift, and glacial outwash deposits.

Currently, the main source of water for Platinum is City Well No. 3. This well was drilled in 1991 and has never received any treatment to its water supply system. Based on the hydrogeological information on the existing water supply wells serving the City of Platinum, it is assumed but not

known that the depth of the proposed exploratory wells(s) may range from 50 to 200-feet below ground surface (bgs). The CONTRACTOR will be paid for a minimum depth of 100-feet even if the completed well's depth is less than 100-feet; however, the maximum well depth is not expected to exceed 200-feet in depth unless authorized by the OWNER and ENGINEER. Copies of well logs of water wells located in Platinum are available upon request from the ADEC VSW.

The work covered by these specifications defines the furnishing of standard well drilling services in accordance with the general technical provisions of these specifications including the plant, labor, tools, equipment and materials and performing all operations in connections with the following work:

- Mobilizing, demobilizing, and acquiring a barge.
- Site cleanup and providing "tundra mats".
- Drilling and installing 6-inch diameter steel cased water supply well.
- Installing a 10-foot long well screen with a K-packer, gravel pack and blank casing.
- Grouting of well casing.
- Developing the well.
- Test pumping of the well.
- Temporary erosion control.
- Installing well casing stick-up and a locking sanitary well cap.
- Abandonment of well, if required.

Time is of the essence. All work shall be completed by Substantial and Final Completion dates stated in bid documents, and be accomplished in accordance with these specifications and attached drawings. Time extensions can only be granted if there are changes in the work, or by excusable delays. No claim for extra cost shall be allowed to the CONTRACTOR for any delay created or within the control of the CONTRACTOR, including those delays caused by third parties, and beyond the control of the OWNER.

Pricing provided in the Bid Schedule is to include all costs associated with completing the project, including administration, overhead, profit, etc. Quantities referenced in the Bid Schedule are estimates only, and do not reflect the actual quantity that will be needed to complete the project. The OWNER does not guarantee a minimum or maximum quantity for any of these items. The CONTRACTOR shall invoice only for quantities used.

If the OWNER has provided optional items to select project work from, it will be the OWNER's right to select the option best suited for the desired product. The OWNER may elect to request services to drill a second well in the same general vicinity based on the bid unit prices subject to the availability of funding to complete the work. No additional fees, cost, or monies will be owed to the bidder for options not selected.

## **1.2 REFERENCES AND APPLICABLE SPECIFICATION STANDARDS**

The following publications of the most recent revised issues listed below that include regulations, standards and publications are hereby made part of this specification. These publications are referred to thereafter by basic designations only, form a part of this specification to the extent indicated by the reference:

- State of Alaska, Drinking Water Regulations 18 AAC 80.015 (Well Protection, Source Water Protection and Well Decommissioning) and 18 AAC 75 (Oil and Hazardous Substances Pollution Control).
- Alaska Best Management Practices for Construction of Non-Public Water Wells, Prepared by the Groundwater Protection Stakeholders Workgroup in Conjunction with Alaska Department of Environmental Conservation, Alaska Department of Natural Resources and the Alaska Water Well Association.
- Alaska Best Management Practices for Maintaining or Decommissioning Water Wells and Boreholes, Prepared by the Groundwater Protection Stakeholders Workgroup in Conjunction with Alaska Department of Environmental Conservation, Alaska Department of Natural Resources and the Alaska Water Well Association.
- Environmental Protection Agency (EPA) - Office of Water Supply, Manual of Water Well Construction Practices (formerly EPA-570/9-75-001).
- American Water Works Association (AWWA)
  - 200-75 Steel Water Pipe
  - 20167 Improving Well and Pump Efficiency
  - A100 Standard for Water Wells
  - C654-97 Standards for Disinfection of Wells
- American Welding Society
  - Section D3.0 - Standard Welding Procedures
- American Public Health Association
- ASTM A-53 Specifications for Pipe, Steel, Black and Hot Dipped, Zinc Coated, Welded and Seamless
- ASTM A-139 Standard Specifications for Electric-Fusion (Arc) Welded Steel Pipe
- ISBN 0-9616456-001 Groundwater and Wells, Johnson Screens
- USCS Unified Soils Classification System

### **1.3 MINIMUM QUALIFICATIONS**

The CONTRACTOR shall employ competent workers for the execution of the well work and all such work shall be performed with modern equipment in good mechanical condition under the direct supervision of an experienced well driller. Information on the CONTRACTOR's experience shall be provided on the "Contractor Questionnaire" included in the Bid package with the understanding that the information shall be used for determination the CONTRACTOR meets minimum qualifications.

### **1.4 SUBMITTALS AND SUBSTITUTIONS**

#### **1.4.1 Materials, Methods and Schedule**

- Prior to materials procurement or shipment, the CONTRACTOR shall identify all proposed products and materials required by the contract and provide manufacturers specifications for those products and materials.
- The CONTRACTOR shall identify all drilling equipment, methods and procedures proposed for completion of the project.
- Department may request shipment methods with 00700 General Conditions, 6.6 Anticipated Schedules.

#### **1.4.2 Safety and Protection**

**See 00700 General Conditions, 6.17, 7.5 Accident Prevention, 7.6 Sanitary Provisions:**

- The CONTRACTOR may be requested to provide a copy of their Health and Safety Work Plan to the OWNER, OWNER's Representative and ENGINEER.
- Materials that contain hazardous substances or mixtures may be required for the Work. A Material Safety Data Sheet shall be made available on site by the CONTRACTOR for every hazardous product used.
- Material usage shall be accomplished with strict adherence to Occupational Safety and Health Administration (OSHA) safety requirements and all manufacturer's warnings and application instructions listed on the Material Safety Data Sheet and on the product container label.
- The CONTRACTOR shall be responsible for coordinating any exchange of Material Safety Data Sheets or other hazard communication information required to be made available to or exchanged between or among employers at the site in accordance with Laws or Regulations.
- The CONTRACTOR shall notify the ENGINEER if it considers a specified product or its intended usage to be unsafe. This notification must be given to the ENGINEER prior to the product being ordered or, if provided by some other party, prior to the product being incorporated in the work.

#### **1.4.3 Daily Drilling Report**

- The CONTRACTOR shall complete and submit a daily drilling report to the ENGINEER at the end of each working day, either by fax or by electronic mail. The daily report requirement shall begin on the day the CONTRACTOR arrives on site and begins work.
- The report shall be submitted on an approved form as determined by the ENGINEER and include all applicable data (see below) to best describe work progress for that day.

#### **1.4.4 Drilling Log (described in Part 3.3)**

#### **1.4.5 Well Log (described in Part 3.3)**

#### **1.4.6 Aquifer Test Pumping Log (described in Part 3.3)**

#### **1.4.7 Record of Plumbness and Alignment (described in Part 3.3)**

#### **1.4.8 Final Report (described in Part 3.3)**

### **PART 2 – PRODUCTS**

#### **2.1 MATERIALS**

##### **2.1.1**

Material used in the drilling process or well construction shall meet these requirements.

- All material used in the construction of the well shall be free of contaminants.
- All chemicals, substances and materials added to or brought in contact with water in a public water system well shall have either standard ANSI/NSF 60 or 61 certification.
- All drill mud, additives, and lubricants shall have either standard ANSI/NSF 60 or 61 certification. Drilling fluid or additives that contain biodegradable organic material, shall not be used during the drilling of a well.
- Potable water shall be used for drilling purposes. If necessary, the potable water shall be treated for drilling purposes in accordance with the drilling mud manufacturer recommendations. Potable water is available from the OWNER with the understanding the CONTRACTOR will be responsible for delivery of the water.

##### **2.1.2**

Well Casing shall meet the following requirements.

- The well casing used as a permanent part of the well structure shall be all new, seamless or electric resistance welded steel pipe conforming to ASTM-A53, Grade B, black wall. Casing shall be free of oil, grease or other contaminants;
- Shall have standard ANSI/NSF 61 certification for use in a public water system well;
- Shall be greater than minimum wall thickness and weight when required either to

- withstand the stresses of installation, grouting and operation, or corrosion;
- Shall be legibly marked on each length, by manufacturer, with all the following information:
    - i. Name of the manufacturer;
    - ii. Kind of pipe (continuous welded, electric resistance welded or seamless);
    - iii. Weight or schedule;
    - iv. Nominal or outside diameter;
    - v. Specification number;
    - vi. Heat or lot number;
    - vii. Certification mark that verifies compliance with standard ANSI/NSF 61 for use in a public water system well.
  - Shall be structurally sound and watertight throughout its length and shall have threaded and coupled or welded joints.

### **2.1.3 Drive Shoes**

If permanent steel casing is to be installed by driving methods, the use of a manufactured drive shoe is required. The type and weight of the drive shoe shall be determined by the CONTRACTOR and specified in the initial materials submitted for approval. The shoe selected must be appropriate for exposing the screen by the pull-back method.

### **2.1.4 Well Screen**

- The well screen shall be wire-wound, continuous slot. Screens shall be fabricated by circumferentially wrapping a triangular-shaped wire around a circular array of equally spaced internal rods. Each juncture between the horizontal wire and the vertical rods shall be fusion welded under water for maximum collapse strength. The wire shape must produce inlet slots with sharp outer edges, widening inwardly to minimize clogging. Screen end fittings shall be securely welded to each section.
- The well screen and its fittings shall be fabricated of the same material. This material shall be type 304 stainless steel unless otherwise specified. A manufacturer's certification of materials shall be provided to the purchaser.
- The well screen shall provide sufficient column and collapse strength to withstand installation and borehole pressures.
- Screen joints between screen sections and blank casing shall be welded or threaded and coupled.
- Packers for public water systems shall be constructed of materials that have standard ANSI/NSF 61 certification and use a rubber or neoprene seal.



- Screen shall be provided with a bail bottom or bottom plate fitting and a riser pipe.
- Where filter pack or formation stabilizer is installed, the screen shall have centralizers outside the top and bottom of the screen to ensure an even filter pack.

## **2.2 DRILLING**

The well shall be of the tubular form. The CONTRACTOR shall select the method best suited to the kind and condition of material encountered, for obtaining the results in the most expeditious manner. Except the requirement that the minimum depth of the well is 50-feet, the OWNER makes no guarantee as to the linear footage that will be drilled. The CONTRACTOR will be paid for a minimum depth of 100-feet even if the well's depth is less than 100-feet; however, the maximum well depth is not expected to exceed 200-feet unless authorized by the OWNER and ENGINEER.

## **2.3 CASING**

Casing shall conform to the latest edition of the American Water Works Association Specifications for seamless steel pipe. No sub-standard or reclaimed material shall be used.

## **2.4 JOINTS**

All well casing joints shall be made water tight, with welded joints or threaded couplings from above the ground surface to the bottom of the well, to exclude all surface drainage from entering the well. Welding shall be performed by a qualified welder in accordance with the Standard Welding Procedures of D3.0, of the American Welding Society (A.W.S.) Code. Welding rod shall meet the requirements of the A.W.S. for welding metal of the composition appropriate to the casing furnished by the CONTRACTOR.

## **2.5 WELL SCREEN**

The CONTRACTOR is responsible to deliver and install the well screen as specified in these specifications with the approval of the ENGINEER. Due to the remoteness of the project site and tight time frame for drilling a well prior to winter freeze-up, the selection of the well screen is predetermined with the understanding the CONTRACTOR will deliver to the drill site at the time of mobilization two (2) well screens meeting the specifications given herein and described as follows:

1. A 100-slot well screen that is 10-foot in length.
2. A 200-slot well screen that is 10-foot in length.

If a gravel (filter) pack is needed, the CONTRACTOR and ENGINEER shall determine the recommended packing material to be used.

The CONTRACTOR shall furnish and install a well screen fitted with a self-sealing packer, including developing and pump testing the well to obtain accurate measurements on the potential productivity of the aquifer.

The CONTRACTOR shall furnish and install wire-wound stainless-steel well screen(s) with the rod and wire welded at each intersection, equivalent to Johnson Mild Steel, manufactured by Johnson Division, U.O.P., Inc., St. Paul, Minnesota, or approved equivalent.

## **2.6 TEST PUMP**

The CONTRACTOR shall furnish, install, and operate all necessary pumps, compressors, plungers, or other needed equipment including source of power and pump-top-waste piping that shall be capable of pumping at a minimum steady flow of 50 gallons per minute (gpm). The CONTRACTOR shall furnish all piping necessary to discharge water at a minimum of 25 feet from the pumping well. The CONTRACTOR shall also furnish, install, and maintain equipment of approved size and type for measuring the flow of water. The flow meter used shall be capable of instantaneous flow measurement and be equipped with a totalizer. Water level in the well during and after pumping shall be measured by an electrical probe or other equipment capable of measuring water level to the nearest 0.01 foot.

## **PART 3 – EXECUTION**

### **3.1 GENERAL**

It is anticipated that the well will be in an unconsolidated formation requiring steel casing or possibly four-inch PVC casing throughout the entire depth. If consolidated formation is encountered, the need for full casing could be eliminated. The CONTRACTOR will consult with the OWNER's Representative and ENGINEER before proceeding in the installation of the well casing and well screen. All work described for the completion of the well will be done in accordance with the requirements described herein as well as in accordance with the procedures outlined in the publication titled "Alaska Best Management Practices for Construction of Non-Public Water Wells" referenced above in Section 1.2.

The actual depth of the well will be that which is required to develop a suitable quantity of water, based on a minimum well yield of 25 gpm, sufficient to serve the OWNER's water supply requirements. In no case shall the CONTRACTOR exceed a 200-foot depth unless authorized by the OWNER and ENGINEER. When a satisfactory quantity and acceptable quality of water is encountered, subject to the ENGINEER's approval, the well will be developed, and pump tested in accordance with the specifications.

Based on limited hydrogeological information for the project area, it is anticipated the well will be drilled to a minimum depth of 50-feet below the ground surface (bgs) and possibly up to total depth of 200-feet; however, the completed well may have a shallower depth but not less than 50-feet subject to the discovery of an acceptable water bearing aquifer that meets the water supply needs of the OWNER. The CONTRACTOR will be paid for a minimum depth of 100-feet even if the well's depth is less than 100-feet.. The entire length of the completed hole shall be cased including all consolidated and unconsolidated formations unless otherwise specified by the ENGINEER. The CONTRACTOR shall be prepared to address soil conditions including but not limited to heaving sands below the static water level. No additional payment will be allowed for difficult soil conditions.

### **3.2 MOBILIZATION AND DEMOBILIZATION**

The CONTRACTOR to cover all costs for mobilization and demobilization of this project. These

costs shall include all fixed costs anticipated by the CONTRACTOR to accomplish mobilization and demobilization for the project. These costs include the anticipated barge charges.

### **3.3 SAMPLES AND RECORD DOCUMENTS**

#### **3.3.1 Logging and Sampling During Drilling**

The CONTRACTOR will maintain detailed records of the lithology and the water-bearing capacity of the strata penetrated during drilling. The CONTRACTOR shall collect and maintain formation samples at 10-foot depth intervals and each significant change in lithology. Sample containers to be furnished by the CONTRACTOR shall be heavy cotton bags, at least 8-ounce weight, or approved equivalent. A waterproof label shall be attached to each sample bag designating the well number, the exact top and bottom depth (measured to the nearest foot) at which the sample was taken, a description of the material, and how it was collected. The CONTRACTOR shall carefully note the depth at which ground water is first encountered and will estimate the relative amounts of ground water produced and the depths of productive zones to the nearest foot. The CONTRACTOR shall also record penetration rates as they pertain to the lithology of material penetrated. The CONTRACTOR shall note the depth at which bedrock materials are encountered, and the lithology of bedrock materials.

#### **3.3.2 Records**

The grade, size, and length of the individual pieces of the casing and well screen shall be accurately measured, recorded, and reported. For each calendar day that equipment is at the site of the work, the CONTRACTOR shall submit a legible and neat daily report on the well drilling operations describing the drilling, the nature of the material encountered, the work accomplished that day, including items such as depths drilled, casing set, amount of sand removed during development work, the water level in the well at the beginning and end of each shift, the depth at which water was lost or found at any time during drilling, and such other pertinent data as required by the OWNER and ENGINEER.

The CONTRACTOR shall complete the following forms to record the well construction data. These records shall be provided within thirty (30) days of completion of the well and delivered to the OWNER and ENGINEER prior to final payment.

Two (2) copies of the driller's log signed and dated by the well driller (or drilling machine operator) shall be given to the OWNER. One of the signed copies will be submitted via the OWNER to the ENGINEER. The well log will record the materials penetrated to the nearest foot and other pertinent data. The CONTRACTOR shall complete a log of the well drilled under these specifications on the latest water well form provided by the State of Alaska Department of Natural Resources, Division of Mining, Land and Water. A form is available from the Alaska Department of Natural Resources (ADNR), <http://dnr.alaska.gov/>, 907-269-8400.

- All static water level measurements will be recorded, to the nearest 0.01 foot. This record, along with the times that the measurements were made, will be provided to the

## ENGINEER.

- A complete casing and screen location record will be made by the CONTRACTOR and given to the OWNER and ENGINEER. This will show the lengths of each casing and screen section and the location of packers, plugs, and seal.
- Test pumping data as described in Part 3.7 from all pumping tests that were conducted on the well. Pump test records will show dates, location, water levels (to the nearest 0.01 foot), discharge rates, times of stopping and starting the pump, and other conditions that could affect the test data.

### 3.4 DRILLING AND WELL CASING

#### 3.4.1 General

During drilling, no sand, dirt, rock, drill cuttings, drilling mud, or any foreign material whatever, other than potable water, shall be introduced into the well except with the prior knowledge and consent of the ENGINEER. The ENGINEER shall be entitled to make measurements at any time with his/her own equipment at no extra cost for standby time, provided actual drilling or pumping time lost does not exceed 30 minutes per event.

#### 3.4.2 Plumbness and Alignment

##### 3.4.2.1.1 General

The completed well shall be constructed round, plumb, and true to line, as defined in this standard. Tests for plumbness and alignment shall be made after completed construction of the well; however, the CONTRACTOR may make during the work whatever tests he may deem necessary for his/her control of the work.

##### 3.4.2.1.2 Tolerances

The tolerances described below shall be maintained by the CONTRACTOR from the top of the well casing to the top of the well screen.

**Plumbness:** The maximum allowable horizontal deviation (drift) of the well from the vertical shall not exceed two-thirds of the smallest inside diameter of that part of the well being tested per 100 feet (30.5 meters) of depth.

**Alignment:** A pump of nominal diameter 2 inches smaller than the nominal casing size shall be able to be installed in the completed well to the top of the well screen without bending, as outlined in the procedures given in AWWA Standard A100.

**Correction of Faulty Plumbness and/or Alignment:** Should the completed well fail to meet the tolerances specified above, the CONTRACTOR shall, at his/her

own expense, correct such defects. As an alternative to correction of the defects, the OWNER may offer to negotiate a reduction in the contract price in proportion to the damage which would be experienced due to decreased production potential or increased operation costs if the well was accepted without correction of said defects.

If the CONTRACTOR fails to complete the well according to the specifications, the hole shall be declared abandoned. If the CONTRACTOR voluntarily stops work and/or fails to complete the well in a satisfactory manner within the overall time limit set by the contract, or as may be extended under the terms of the contract, it shall be considered abandoned.

No payment will be made by the OWNER for any part of the drilling or pumping of, or the casing or screen used in an abandoned hole. The CONTRACTOR may salvage the materials installed in an abandoned hole. The CONTRACTOR is reminded that any hole which is abandoned must be sealed, protected, or filled as required to secure the well using a method approved by the ADEC.

### 3.4.3 Drilling

**General:** The CONTRACTOR shall coordinate and continually inform the ENGINEER of drilling progress and stratigraphic information and shall not drill beyond the depth authorized by the ENGINEER. A description and specifications of any drilling or development fluids or additives which the CONTRACTOR may desire to use during the work shall be submitted to the ENGINEER in writing and approved for use prior to being used on the project.

The drilling may be accomplished by a cable tool, a conventional hydraulic (mud) rotary or an air rotary drilling machine. The equipment used shall be in good repair and be capable of drilling, as specified herein, to a maximum depth of 200 feet. Rotary drilling machines shall be equipped with a sand line and sand pump bailer.

The drill rig must be a 4-wheel drive vehicle (truck mounted) or track mounted capable of traversing tundra terrain typical in the Platinum area as found in the immediate vicinity of the proposed well sites. The well sites are located approximately 300-feet from the edge of the Smalls River and approximately 800-feet from the edge of the haul road. Photographs of the proposed drill sites are available upon request from the ENGINEER. In addition, the CONTRACTOR shall provide "tundra mats" to accommodate the overland movement of the drill rig to minimize damage to the underlying tundra. The "tundra mats" must be at least 60-feet in total length.

The CONTRACTOR shall drill a 6-inch diameter exploratory water supply well to accommodate the 6-inch well casing without over boring that would produce loose casing. The hole shall be drilled to a productive zone or up to 200 feet. If a satisfactory water bearing formation is found at a lesser depth, the drilling shall be terminated and the well completed to that depth with the approval of ENGINEER. When drilling in a potential aquifer and conventional rotary drilling is used, the CONTRACTOR may be required by the ENGINEER to periodically stop drilling, remove any material from the hole and check

for yield using either compressed air or a bailer. This checking shall be considered a normal part of the drilling procedure and no additional payment will be made for it.

When sufficient yield is indicated from a water bearing stratum the CONTRACTOR shall, after obtaining the approval of the ENGINEER, install the well screen and develop the well according to the provisions herein. A minimum water well yield of 25 gallons per minute is being sought. If a stratum, which will produce more than 25 gpm, is penetrated, the water well shall be developed to produce the maximum yield obtainable through the appropriate well screen.

**Cable-Tool Method:** The selection of drill bits, bailers, associated tools to be used, and their application to the drilling task shall be so done as to maximize penetration rate and minimize caving of the hole to a diameter greater than the casing outside diameter (O.D.). To improve the accuracy of samples collected from water bearing formations, grinding of the aquifer materials shall be minimized by using only sufficient drilling to loosen the material for removal by the sand pump. To prevent "mudding off" of the water bearing formations, sufficient water shall be bailed from the bottom of the hole to minimize concentration of fines in the pore spaces of the formations. If heaving formations are encountered, however, it may be necessary to curtail water bailing to prevent excessive heaving.

**Air Rotary Method:** Procedures used in the air rotary drilling method shall be chosen to minimize heaving and caving of the formation materials into the hole. The addition of approved foaming agents to the air stream injected down the hole may be helpful in maintaining the stability of the hole. If, however, heaving cannot be controlled, especially when drilling through potential production zones, the CONTRACTOR shall be required to discontinue use of the air rotary method. In that case, advancement of the hole may only be continued by means which will prevent heaving, such as sand pumping and driving using the sand line and casing driver on the rig. If that proves unworkable, substitution of a cable tool rig may be necessary.

**Reverse Circulation Rotary Method:** Drilling of the hole shall not begin until the well screen, casing, gravel pack, and all other required materials and equipment have been delivered to the site and are fully prepared for the work to begin. In case insurmountable hole stability or lost circulation problems occur, the CONTRACTOR shall be prepared to stabilize the hole by filling (partially or completely) with the gravel pack material, running casing in the hole and completing the drilling by the cable tool or air rotary method. Since such an emergency action would be substantially altering the original well design, the CONTRACTOR must coordinate the various details of such a plan with the ENGINEER.

### **3.4.4 Well Casing**

#### **3.4.4.1 General**

This section sets forth standards applicable to permanent casings for water wells. Selection of temporary casings used only for construction is left to the CONTRACTOR unless otherwise specified herein. Permanent well casings shall be continuous and watertight from the top to the bottom of well, except for

screened areas, or open hole completions in bedrock as approved by the ENGINEER. The finished top of casing (stick-up) shall be a minimum of twenty-four (24) inches above ground level and shall have a locking vandal-proof sanitary seal (well cap). The surrounding ground surface shall be sloped to drain surface water a minimum of 10-feet away from the completed well casing.

#### **3.4.4.2 Well Casing Diameter**

The minimum size casing to be installed in the well shall be nominal 6-inch inside diameter. No consideration will be made for any over-size casings, which the CONTRACTOR may deem necessary to reach the specified depth.

#### **3.4.4.3 Well Casing Joints**

Casing joints may be either welded or threaded, at the CONTRACTOR's option. Standards for jointing shall be in accordance with AWWA Standard C206.

#### **3.4.4.4 Drive Shoe**

A drive shoe shall be installed on the bottom end of each string of casing in the well, which must be driven into position. The drive shoe may be omitted from a casing string, which is lowered into a completed hole drilled by the reverse circulation method.

#### **3.4.4.5 Well Casing Installation**

**Cable Tool or Air Rotary Method:** Except where local experience confirms that a stable open hole may be drilled (in permafrost or poorly consolidated sediments), the casing shall be driven into the hole as required to follow the bit closely. The contour of the drive head shall be checked periodically and re-faced as necessary to prevent deformation of the pipe end. In consolidated rock formations, the casing shall be seated by driving it into the surface of the rock until a seal is obtained. At the CONTRACTOR's option, he may use the pull-down method to augment or replace the driving effort required to advance the casing. The CONTRACTOR is cautioned, however, that regardless of the method used to advance the casing, care shall be exercised to avoid damage to the casing pipe and/or joints of the permanent casing string.

**Reverse Circulation Method:** When the reverse circulation drilling method is used, the casing assembly shall be lowered into the hole as quickly as possible after total depth has been reached and the hole is stabilized (caving and/or excessive water loss has been controlled).



## 3.5 WELL SCREEN

### 3.5.1 General

The CONTRACTOR shall be prepared to furnish and install the specified well screen of nominal diameter and general length. Well screen slot size and exact total length has been predetermined by the OWNER and ENGINEER.

### 3.5.2 Screen Design and Delivery

The CONTRACTOR shall be responsible for the delivery of the two (2) well screens. Well screens shall be required in unconsolidated formations. The well screen shall be equipped with a packer that is self-sealing neoprene with a mild steel or stainless-steel collar ("K" packer). A length of 10-feet for the well screen will be used. A minimum 5-foot riser pipe shall be welded to the top of the screen and a 2-foot long extension pipe welded to the bottom of the well screen, both pipes to be same diameter of the screen. The bottom extension pipe shall be closed off with a welded mild steel fitting.

### 3.5.3 Pull-Back Method

**Basis of Design:** If the well is drilled by the drill-and-drive/pull-back method, either cable tool or air rotary the screen design shall be based on samples collected from the cuttings removed from the well.

**Screen Installation (Pull-Back Method):** The CONTRACTOR shall adhere to the following procedure for installing the well screen:

- Backfill the inside of the casing with clean gravel to the design depth of the bottom of the well screen assembly.
- Pull the casing back to the elevation of the bottom of the well screen assembly as directed by the ENGINEER or cut the casing at that level.
- Place the well screen in proper position.
- Pull the casing back to provide the amount of overlap at the top of the screen as required by the ENGINEER.
- Expand the packer against the inside of the well casing using a wedge to provide a sand-tight seal above the well screen.

### 3.5.4 Open Hole Method

**Basis of Design.** If a well is drilled by the reverse circulation method, the hole size drilled shall be large enough to allow installation of an artificial gravel pack of at least a 4-inch thickness on all sides of the well screen. The details of gravel pack gradation and depth, as well as screen slot size and location shall be determined by the ENGINEER from data collected from each well.

**Screen Installation (Open Hole Method).** Pipe-sized screen may be welded into the casing string at the locations as directed by the ENGINEER and lowered into the open hole as a continuous assembly. After the casing is lowered to the prescribed level, the gravel pack material shall be placed by a tremie pipe to prevent its segregation. The screen shall be centered in the hole. Since the well screen has limited column strength, the CONTRACTOR shall use care to prevent deforming the screen during its installation. The installed screen shall be sufficiently round and straight to allow the passage of a 15-foot sand pump or bailer of 2 inches smaller O.D. than the I.D. of the screen throughout its length.

As an option, the CONTRACTOR may choose to use a telescope size screen and follow the pull-back method as covered in Part 3.5.3. If this procedure is chosen, the bottom 30 feet of the casing shall be centralized at 10-foot intervals. Also, the screen assembly and gravel pack shall be in place before the casing is pulled back. This method has the advantage of minimizing the chance of deforming the screen during its installation.

The gravel pack shall extend approximately 30 feet above the highest screen in the well, with the remainder of the annulus filled with grout. See Part 3.13, Well Grouting. A 2-inch galvanized steel pipe shall be left in the annulus to the top of the gravel pack through which additional gravel may be added as required.

**Disinfection of Materials.** Gravel backfill and gravel pack material used in well screen installation shall be disinfected by maintaining a chlorine residual in the water in the well of at least 50 mg/l during the placement of those materials.

## 3.6 WELL DEVELOPMENT

Well development shall consist of the following:

- The water bearing horizon around the screen shall be thoroughly surged and developed using techniques approved by the screen manufacturer. The CONTRACTOR shall notify the ENGINEER at least 24 hours prior to conducting well development. The CONTRACTOR shall keep a log of development activity and results. The CONTRACTOR shall develop the well to the desired production yield, with a minimum of 25 gpm, if possible, using care in the performance of the work to prevent breakdown or caving-in of strata overlying that from which water is to be drawn. The screen must not have changed alignment after installation.
- The CONTRACTOR shall develop, pump, or bail the well by such methods as may be approved by the ENGINEER until the water pumped from the well is free from sand and associated turbid water.
- Since it is impossible to predict the number of hours that may be required to properly develop

the well, it is anticipated that 12 hours will be needed and it is an estimate only and the actual number will be determined by the results as development proceeds.

- Upon completion of development and sand extraction work, the well may be tested by the ENGINEER in accordance with the Sand Content Test, as described in Article 52.000-001-000 of the EPA *Manual of Water Well Construction Practices*. The sand content shall be determined by averaging the results of five (5) samples collected at the following times during the final pumping test: 1) 15 minutes after start of the test; 2) after  $\frac{1}{4}$  of the total planned test time has elapsed; 3) after  $\frac{1}{2}$  of the total planned test time has elapsed; 4) after  $\frac{3}{4}$  of the total planned test time has elapsed; and 5) near the end of the pumping test. A **“Rossum” Sand Tester** (Roscoe Moss Company of Los Angeles) or equivalent approved by the ENGINEER shall be used for the Sand Content Test.

The minimum volume of water sample collected for testing for sand content shall be the test rate of flow in gallons per minute (gpm) multiplied by 0.05, with the exception that the minimum required for wells tested at less than 100 gpm shall be 5 gallons (U.S.).

### 3.7 TEST PUMPING

#### 3.7.1 General

The CONTRACTOR shall furnish, install, and operate all necessary pumps, compressors, plungers, or other needed equipment (including source of power and pump-top-waste piping) that shall be necessary to determine the average yield of water per foot of drawdown. The test pump shall be capable of pumping at a rate of 50 gpm, if possible. The CONTRACTOR shall also furnish, install, and maintain equipment of approved size and type for measuring the flow of water. The flow meter used shall be capable of instantaneous flow measurement and be equipped with a totalizer.

The CONTRACTOR shall provide all necessary pump, piping, hoses, and other equipment, including power, to pump test each well for a minimum of 24 hours. No payment shall be made for time spent setting and removing the test pump, or for an incomplete pump test because of pump failure. Pump test water shall be discharged a minimum of 25 feet from the pumping well.

#### 3.7.2 Testing

After the well has been completely constructed, developed, cleaned out, and the depth accurately measured, the CONTRACTOR shall notify the ENGINEER and then shall make

all necessary arrangements for conducting the final yield and drawdown test. Yield and drawdown tests shall include a “constant rate” test as outlined below.

**Constant Rate Test:** The CONTRACTOR shall commence constant-rate testing at a rate determined by the ENGINEER. The cost for this recovery period will be considered incidental to the hourly pumping and no additional payment will be made to the CONTRACTOR. During the testing and recovery period, the CONTRACTOR shall be responsible for water level measurement in the well using an electric probe capable of measuring water level to the nearest 0.01 foot. The frequency of required water level measurements is listed below.

**Measurement Frequency in Pumping Well  
During Pumping and Recovery**

<b>Time Period Since Test Began (minutes)</b>	<b>Frequency of Water Level Measurement and Totalizer Readings</b>
Immediately prior to testing	Three successive water level measurements within 0.03 feet.
0 – 10	0.5 minute
11 – 15	1 minute
16 – 60	5 minutes
61 – termination of test (maximum 24 hours)	30 minutes

The frequency of measurements shall revert to 1-minute intervals for a 10-minute period after each change in discharge rate.

Test pumping shall be accomplished under steady flow conditions at a rate as determined by the ENGINEER. Continuous and accurate measurement of discharge rates shall be maintained, and any changes of rate noted in the records. The water shall be measured, and the depth recorded on a scheduled basis to provide an accurate account of water drawdown, pumping rates, and time. Water level in the well casing shall be measured with an electrical water level detector. A ¾-inch diameter PVC pipe shall be installed in the well with the test pump to facilitate operation of the detector. Test pumping shall be continuous and without interruption until data is obtained to determine well yield; however, the CONTRACTOR will not be required to maintain more than 24 hours of continuous pumping of the well. No payment for test pumping will be made for pumping time performed in which the operation of pumping and measurement equipment does not meet these requirements.

It is imperative that data collected from pump testing be complete and accurate. Payment will not be made for a “failed” test. For the purposes of this project, a pump test is considered failed if one or more of the following occurs:

- Failure to record water level measurements in the approximate time intervals shown above, with an accuracy of at least 0.10 feet.
- Failure to maintain a constant pumping rate within +/- 15 percent.
- Failure to record pumping rates and totalizer readings at the approximate intervals shown above.
- Failure of the pump for a period of 10% or greater of the lapsed time of pumping.

If a failed test occurs, the CONTRACTOR shall be required to remedy the problem and allow recovery of the well for a duration of two times the pumping duration before re-starting the test. The test may be restarted earlier if the water level in the well equilibrates as determined by the ENGINEER.

After completion of the constant-rate test, the CONTRACTOR shall monitor recovery in the well for the same duration as the test, and at the approximate time intervals shown for the pump test. The cost for the recovery monitoring shall be incidental to the hourly pumping cost. No additional payment will be made for recovery monitoring. No disturbance to the well that would affect water levels (such as removal of the pump) shall be made by the CONTRACTOR during the recovery period.

After recovery and temporary pump removal, the CONTRACTOR shall remove any sand or other objectionable material that may have accumulated in the well during testing operations and re-measure the depth of the well. The water pumped from the well shall be disposed of as approved by the ENGINEER. It will be the responsibility of the CONTRACTOR to dispose of all water in a manner that will not create a hazard or nuisance to the nearby roads, buildings, or other property.

### **3.8 DISINFECTION**

#### **3.8.1 Scheduling Disinfection**

The CONTRACTOR shall provide for disinfection as soon as construction of the well and cleaning procedures have been completed. The CONTRACTOR shall carry out adequate cleaning procedures immediately preceding disinfection where evidence indicates that normal well construction and development work have not adequately cleaned the well. All oil, grease, soil, and other materials, which could harbor and protect bacteria from disinfectants, shall be removed from the well. Unless prior approval is obtained for employing chemicals or unusual cleaning methods, the cleaning operation is to be carried out by pumping and swabbing only. Where test pumping equipment is to be utilized, such equipment shall be installed prior to or during disinfection and be thoroughly hosed, scrubbed, or otherwise cleaned of foreign material.

### **3.8.2 Disinfectants**

Chlorine shall be used as a disinfectant. The disinfectant shall be delivered to the site of the work in original, closed containers bearing the original label indicating the percentage of available chlorine. The disinfectant shall be recently purchased. Chlorine compounds in dry form shall not be stored for more than one year, and storage of liquid compounds shall not exceed 60 days. During storage, disinfectants shall not be exposed to the atmosphere or to direct sunlight. Unless superseded by government regulations, the quantity of chlorine compounds used for disinfection shall be sufficient to produce a minimum of 100 parts per million available chlorine in solution when mixed with the total volume of water in the well.

### **3.8.3 Procedure**

Unless otherwise modified, due to problems involved with a specific well or conflict with local, State or Federal governmental regulatory agency requirements, the disinfection procedure shall include, but not be limited to, the following criterion:

- Provide reliable means for insuring that the disinfecting agent is uniformly applied throughout the entire water depth of the well without relying on subsequent mechanical or surging action for dispersing the disinfectant; the dispersion of the disinfectant shall be assisted by pouring into the well a volume of water equal to the volume of the screen, after the disinfectant has been emplaced. This will cause the disinfectant to flow out of the well into the area adjacent to the screen.
- All accessible portions of the well above the water level shall be maintained in a damp condition with water containing the required concentration of disinfecting agent for a period of not less than 20 minutes.
- The disinfecting agent shall be left in the well for a period of at least 12 hours. After a 12- hour, or longer contact period the well shall be pumped to clear it of the disinfecting agent. The disposal point for the purged water shall be selected by the CONTRACTOR and approved by the OWNER and ENGINEER to minimize potential damage to aquatic life or vegetation.

## **3.9 WATER QUALITY TESTING**

The CONTRACTOR shall notify the ENGINEER one working day in advance of anticipated pump testing of the well. The ENGINEER will be present to collect representative water samples in laboratory supplied containers with the necessary preservatives. The water sample for laboratory analysis shall be collected just prior to the completion of the constant rate pump test. During drilling and test pumping of the well, the ENGINEER may elect to collect additional water samples for on-site field-testing purposes to evaluate the general water quality characteristics of the well water. Water quality tests will be paid by the OWNER.

### **3.10 PROTECTION OF QUALITY OF WATER**

The CONTRACTOR shall take such precautions as may be required to permanently prevent contaminated water, or water having undesirable physical or chemical characteristics, from entering through the opening made in drilling the well or the stratum from which the well is to draw its supply. The CONTRACTOR shall also take all necessary precautions during the construction period to prevent contaminated water, gasoline, etc., from entering the well either through the opening or by seepage through the ground surface. In the event the well becomes contaminated, or water having undesirable physical or chemical characteristics enters the well due to the neglect of the CONTRACTOR, the CONTRACTOR shall, at his/her own expense, perform such work to supply such casing, seals, sterilizing agents, or other materials as may be necessary to eliminate the contamination or to shut off the undesirable water.

### **3.11 TEMPORARY EROSION AND POLLUTION CONTROL**

Temporary erosion and pollution control shall consist of the following:

- The CONTRACTOR shall provide temporary control measures to control erosion and water pollution in accordance with local, state, and federal regulations or ordinances.
- Prior to the start of the applicable construction, the CONTRACTOR shall submit to the ENGINEER for acceptance, the CONTRACTOR's plan for accomplishment of temporary erosion control work, including disposal and control of water discharged during well development and pump testing. No work shall be started until the erosion control plan and proposed methods of operations have been accepted.
- The CONTRACTOR shall provide "tundra mats" sufficient to support the drill rig to the proposed location for the well.
- This work shall involve the construction of temporary berms, dikes, dams, sediment basins, and slope drains, and the use of temporary mulches, seeding, or other control devices or methods as necessary to control erosion. Temporary pollution control measures shall be used to correct conditions that develop during construction that were not foreseen during the design stage.
- In the event of conflict between these requirements and pollution control laws, rules, or regulations of other federal, state, or local agencies, the more restrictive laws, rules, or regulations shall apply.
- Other miscellaneous tasks described in this section as work to be completed by the CONTRACTOR shall be considered incidental to the project and no additional compensation will be given to the CONTRACTOR for the completion of this work.

### **3.12 UTILITIES**

The OWNER is responsible for determining the location of all utilities and for protecting them from damage during construction. Should any marked utility be damaged or disturbed, the CONTRACTOR shall immediately notify the OWNER and ENGINEER of the damaged utility. All damage that results from work under the contract shall be promptly repaired at the expense of the CONTRACTOR. The source of electrical power to operate CONTRACTOR's equipment shall be the CONTRACTOR's responsibility. The CONTRACTOR will also be responsible for obtaining

water for drilling as needed.

### 3.13 WELL GROUTING

Well grouting shall consist of the following:

- The cased well must be grouted with at least 20 feet of continuous grouting to 20 feet below the ground surface. Prior to grouting, the annular space should be flushed to assure that the space is open and ready to receive the sealing material. Grouting shall be done in one continuous operation in which the annular space is filled, and any exterior casing removed. Grout placement shall be by the positive placement method as outlined in Section 48.040-000-000 of the EPA's *Manual of Water Well Construction Practices*.
- Acceptable Grouting Materials:
  - bentonite grout slurry or granules
  - Neat Cement Grout.
  - A mixture of Portland cement (ASTM C150) and not more than seven (7) gallons of clean water per bag (one cubic foot or 94 pounds) of cement, shall be used.
  - The use of special cements, bentonite to reduce shrinkage, or other admixtures (ASTM C494) to reduce permeability, increase fluidity, and/or control time of set, and the composition of the resultant slurry must be approved by the ENGINEER.

### 3.14 WELL HEAD COMPLETION

Well head completions shall consist of the following:

The well casing (stick-up) will protrude a minimum of 24 inches above the existing grade and be completed with a locking vandal-proof sanitary seal (well cap). The CONTRACTOR shall submit a proposed design of the cap prior to installation.

All wells should be labeled with a durable form of construction with information upon completion.

The construction information source should be secured to the well casing and contain the following information:

- ✓ The name of the well driller, pump installer, and business affiliations;
- ✓ The date the well was completed;
- ✓ The total well depth;
- ✓ The total depth of casing;
- ✓ The location and type of well completion;
- ✓ Static water level (SWL) below the top of the casing;
- ✓ Well yield; and
- ✓ Height of casing above finished grade.

The CONTRACTOR shall provide grading of the ground surface for at least 10 feet radially from the well to provide drainage away from the well.



### **3.15 WELL ABANDONMENT**

As determined by the ENGINEER and OWNER, the well may be abandoned if there is insufficient capacity, unsatisfactory water quality, poor alignment, loss of tools or other unforeseen problems. The methods of well abandonment shall meet the requirements and procedures in accordance with the procedures outlined in the publication titled "Alaska Best Management Practices for Maintaining and Decommissioning Water Wells and Boreholes" referenced above in Section 1.2. A well abandoned due to contamination, poor alignment, loss of tools or any other cause attributed to the CONTRACTOR shall be at the CONTRACTOR's expense.

### **3.16 MOBILIZATION, DEMOBILIZATION, AND CLEANUP OF SITE**

To facilitate coordination of work, the CONTRACTOR shall notify the OWNER's Representative and ENGINEER at least 48 hours in advance of mobilizing and demobilization. The CONTRACTOR shall always perform his/her work in a manner to ensure minimal obstruction to traffic and minimal inconvenience to the general public and the OWNER.

It is anticipated the well site will be located approximately 800-feet from the existing gravel haul road. The CONTRACTOR shall provide "tundra mats" sufficient to support the drill rig to the proposed location for the well. It is estimated that a minimum of 60-feet long "tundra mats" will be needed to access the well drill site.

During the progress of work, the CONTRACTOR shall protect all existing vegetation, structures, roads, ditches, culverts, signposts, fences, driveways, and similar items. If the CONTRACTOR must remove or disturb these facilities, provision shall be made to maintain a temporary facility serving the same purpose as that which it was intended to replace. These provisions shall include:

- Cuttings, drillings or other debris shall not be washed into drainage structures that might cause clogging of drainage in any way.
- The CONTRACTOR shall restore all areas disturbed by construction to a condition at least equal to that existing prior to construction. Excess construction materials, equipment, tools, waste excavation, and rubbish shall be removed. Excavated areas shall be graded to provide drainage as required by the drawings and specifications, or in the absence of specific requirements, to restore original drainage patterns in existence prior to construction.

### **3.17 MEASUREMENT AND PAYMENT**

The contractor shall include the following items in their Schedule of Values. See 00700 General Conditions, Article 6 – Contractor's Responsibilities for further details.

The contract price for each item shall constitute full compensation for furnishing all labor, equipment, appliances, and material, and performing all operations necessary to construct and complete the items in accordance with the requirements of the specifications as full compensation notwithstanding that minor features of work to complete the item may not be mentioned.

Deviation in the actual quantities either above or below the estimated quantities shown for each item shall not be a basis for a claim for adjustment in any of the contract unit prices. Work paid for under one item will not be paid for under another item.

**Mobilization and demobilization:** All required. Payment for mobilization for well construction will be made at lump sum prices which price shall constitute full compensation for completion of all transportation of CONTRACTOR's equipment, personnel, materials, tools, supplies, and the provision of all facilities for temporary power, water, fire protection, communications, and storage at the project site. This item also includes obtaining all necessary permits required by local, state, and federal governmental agencies. For purposes of pay, 80 percent of the lump sum price shall be paid for mobilization with the remaining 20 percent paid for demobilization, in accordance with the Contract Documents. This item includes protection of the well head and cleanup of each site as specified. It is anticipated that four wells will be installed. The number and location within the site area may vary. Payment for this item shall be on a lump sum basis.

**Drill and Case 6-Inch (Nominal) Diameter Water Supply Wells – Boring For Blank Well Casing/ Driven Casing:** The number of linear feet shall be determined by the depth of the hole drilled and accepted, measured from the existing surface to the bottom of that size casing at its deepest point prior to pull-back for screen installation. Any open hole drilled beyond the bottom of the casing shall be measured for payment purposes, at 75% of the distance of open hole drilled. The CONTRACTOR must be prepared to drill through, screen, and test pump any aquifers located within the depth called for by the bid schedule. It is anticipated that the well will be 50 to 200-feet in depth. The CONTRACTOR will be paid for a minimum depth of 100-feet even if the well's depth is less than 100-feet; however, the maximum well depth is not expected to exceed 200-feet in depth unless authorized by the OWNER and ENGINEER. Payment for this item shall be on a linear foot basis.

**Drill and Case 6-Inch (Nominal) Diameter Water Supply Wells – Boring for Screened Casing:** The number of linear feet shall be determined by the depth of the hole drilled and accepted. Measurement of the lineal foot of depth drilled shall begin where excavation begins in the borehole pertaining to this task. The CONTRACTOR must be prepared to drill through, screen and test pump any aquifers located within the depth called for by the bid schedule. Payment for this item shall be on a linear foot basis.

**Furnish and Install 6-Inch (Nominal) Diameter Well Screen:** The number of linear feet of well screen shall be determined by the length of well screen measured. Length of 10-feet for the well screen will be used. All backfill, and gravel pack material used, and its placement shall be considered incidental to the cost of this pay item.

**Water Supply Well Development:** This item shall be based on the actual number of hours required to fully develop each well as specified, including time for removal of sand. Additional testing required by the ENGINEER which utilizes the CONTRACTOR's drilling rig and personnel shall also be paid for under this item.

**Test Pumping:** Covers the actual number of hours of acceptable test pumping

performed as specified. This item shall include installation and removal of the test pump including: test pump installation, hookup and removal temporary pipeline required for test pump, water, and disposal. Disinfection of the well shall also be included in this item.

**Install Well Grouting, Well Casing Stick-Up, and Locking Cap:** This item includes all grouting as specified, well casing above grade (stick-up), and specified locking cap. Erosion control measures shall be included in this item. Payment for this item shall be on a lump sum basis.

**Well Abandonment:** This item includes all labor, materials, and equipment required to properly abandon a well in accordance with the Specifications provided herein. This bid item shall be paid on a lump sum basis for each well abandoned due to no cause of the CONTRACTOR.

**Added Alternate:** All required subject to availability of funding to furnish (provide and deliver) 200 lineal feet of 6-inch diameter well casing. Payment for mobilization will be made at the lump sum price named as an "Added Alternate" in the Bid Schedule, which price shall constitute full compensation for completion of all transportation of materials and storage at the project site.

END OF SECTION 5