



**ADDENDUM TO THE CONTRACT**

for the

**OUTER DIRVE & WEST JUNEAU WASTEWATER  
LIFT STATION IMPROVEMENTS**

**Contract No. BE23-194**

**ADDENDUM NO.: ONE**

**CURRENT DEADLINE FOR BIDS:  
February 23, 2023**

**PREVIOUS ADDENDA: NONE**

**ISSUED BY:** City and Borough of Juneau  
ENGINEERING DEPARTMENT  
155 South Seward Street  
Juneau, Alaska 99801

**PREVIOUS DEADLINE FOR BIDS:  
February 16, 2023**

**DATE ADDENDUM ISSUED: February 9, 2023**

The following items of the contract are modified as herein indicated. All other items remain the same. This addendum has been issued and is posted online. Please refer to the CBJ Engineering Public Purchase webpage at: <https://www.publicpurchase.com/gems/juneau,ak/buyer/public/home>

**CLARIFICATIONS:**

Question: *“Looking through the CIPP liner specs 33 01 30.72 and 33 01 30.74. A liner manufacturer is not named in either 2.1 section. The 2.2 hydrophilic end seal manufacturer is named but not the liner in 2.1, please provide?”*

Response: No specific liner or resin manufacturers are the basis of design nor recommended. Aegion Corporation (Insituform®) or Flow-Liner Systems, Ltd (Flow-Liner® products) are examples of manufacturers that have each provided complete and appropriate materials for similar cured in place pipe applications. Because the length of pipe to be lined in this project is relatively short when compared to many typical pipe lining projects, a contractor specializing in pipe lining may be able to assemble appropriate products from multiple different manufacturers that will more cost effectively meet the project requirements. The specifications are written to allow some flexibility in the use of different manufacturers and their products.

Question: *“The existing air compressors in each lift station that run the pneumatic-operated knife gate valves are only shown on the electrical drawings. None of the air compressors, piping, or control valves/devices are shown on any drawing nor are they referenced anywhere in the specs. Was this an oversight? Is all of the existing air system to be reused and only the electrical supply to be replaced?”*

Response: The existing compressors, piping to hose reels, hose reels, and fittings are intended to remain in place. The air actuated knife gate valves including the pneumatic

cylinders should be removed and replaced as specified. An addition to Specification 400553 Process Valves is included to clarify the extent of valve scope of work regarding replacement of the Manual Air Control Valve, quick connect fittings, and compressed air piping and fittings to operate the pneumatic knife gate valves.

Addressed below in Addendum 1.

Question: *“Is there a valve schedule besides what is in the process valves spec?”*

Response: A process valve schedule is included in this Addendum 1 supplementing Specification 40 05 53 Process Valves. The Process Valves Schedule does not include facility sewer/drain valves, instrumentation piping valves, or water service valves.

Question: *“What are the diameter of the existing holes in the floors for pump discharge piping? Are there link-seals required in the annular space for these floor penetrations?”*

Response: Outer Drive: Approximately 18” outside diameter DIP sleeve currently in use with 14” DIP discharge pipe. West Juneau: Approximately 14” outside diameter pipe sleeve for use with 10” DIP. Please see plan set sheet D201 for revision to the pump discharge pipe size relating to the floor penetration. See sheet D202 included in this addendum, for revision to the pump discharge pipe.

Link Seals: No, there are no requirements to seal the annular space in the floor penetrations for the pump discharges.

Question: *“Are the bypass pumps required to be submersible?”*

Response: Not specified. Requirements are provided on the plan sheets for pump duty, but type is at the discretion of the Contractor.

Question: *“Are the existing gen-sets adequate for the change in size?”*

Response: Yes, this has been looked at by the design team.

Question: *“Starting to look through this. Right off the top we’ll want to know how much we can surcharge and some more flow data. What is the actual, what is peak to design for required?  
The WJ Junction MH looks deep and concerns me, what is the Manhole depth?”*

Response: Outer Drive Junction Manhole may be surcharged approximately 6 feet from invert. At approximately 7 feet of surcharge, the sewer will overflow into Gastineau Channel through a relief outfall manhole located in the Foodland parking lot, (overflow is not permitted). The Contractor is encouraged to perform a test run in coordination with CBJ Wastewater Department to verify the overflow elevation of the upstream manhole located near Foodland market.

Outer Drive flow rates will vary widely from 300 gpm up to 3500 gpm (firm capacity of station). It is recommended to perform bypass in the dry season to minimize the chance of the higher flow rates observed during prolonged storm events.

West Juneau Junction Manhole may be surcharged approximately 9 feet from invert. West Juneau flow rates will vary from 200 gpm up to 1675 gpm. Bypass is expected to handle the firm capacity.

Detail 3-C102 includes invert elevations for WJ Junction Manhole. Invert elevation 2.74’, rim elevation 24.69’.

Question: "40 72 00 2.3 LEVEL PROBE PROBE LENGTH??  
2.4 FLOATS CORD LENGTH?"

Response: 40 72 00 2.3 Level Probe length – 2.5m or ~8.2 feet. The Flygt Multitrode designation of (2.5m/10 -10FS). Include extended mounting bracket kit.  
2.4 Floats – Cord Length (13m or ~42ft)

Question: "Section 333220 3 accessory requirements a. General: Motors shall have split-type cast metal conduit boxes. b. Motors shall have anti-backspin ratchet. ??? NOT AVAILABLE WITH Flygt?"

Response: Removed in Addendum 1.

Question: "Section 22 13 00 section 2.3 check valves Flygt Ball check required?? Is this correct?"

Response: Yes, Flygt Ball Check Valve, AVK. Please note that Section 22 13 00 Part 2.3 of the Specification applies to the 3" ABS sump pump discharge piping, NOT the 10", and 16' DIP process piping.

Question: "Spec Section 25 14 05, 2.4E.: Are the West Juneau pumps (P-201, 202) required to have a Flygt MAS system? "

Response: The West Juneau lift pump (P-201, 202) motors are intended to be monitored by Flygt MinCAS2 relays located in the new MCC on the ground floor. A Flygt MAS system and BEMs are not required for these pumps.

## **PROJECT MANUAL:**

Item No. 1 SECTION 00030 - NOTICE INVITING BIDS. DEADLINE FOR BIDS.

**Change** the date of the Deadline for Bids **from** February 16, 2023, **to** February 23, 2023, The time remains the same.

Item No. 2 **Change** the Deadline for Bidder questions to 4:30pm Alaska Time February 14, 202

Item No. 3 **Add** the attached Section 017700- CLOSEOUT PROCEDURES, labeled Addendum 1.

Item No. 4 SECTION 400553, PROCESS VALVES, PART 2- PRODUCTS, ARTICLE 2.1 KNIFE GATE VALVES, paragraph I

**Replace** with the following:

*"Actuation: shall be power actuated and furnished with an air cylinder. Actuator shall be sized to operate with 30 psi cylinder pressure at a maximum pressure of 100 psi. The power actuator yoke shall be a two-piece design of 316 stainless steel or cast ductile iron. Actuator shall include pneumatic control valve: ¼" Valve Port Size NPT, Lever and Spring Return, 150 psi rated. Model 524811000 or Engineer approved equivalent. Air Control Valve shall be fitted with male quick connect for use with existing air hose and fittings, and outfitted with copper or stainless steel compressed*

*air piping. Compressed air piping fittings shall be coordinated with pneumatic operated knife gate valve manufacturer."*

- Item No. 5 SECTION 400553, PROCESS VALVES, PART 2- PRODUCTS,  
**Add** the following: 2.6 Process Valve Schedule (see attached Schedule Labeled Addendum 1)
- Item No. 6 SECTION 406100, PROCESS CONTROL AND INSTRUMENTATION SYSTEM AND COMMISSIONING, PART 1- GENERAL, ARTICLE 1.1, paragraph B, sub-paragraph 3.  
**Replace** with the following: "Provide for alarm generation, logging and transmission via SMS messaging to *designated CBJ personnel and operators. Coordinate designated personnel with the OWNER during system programming and commissioning.*"
- Item No. 7 SECTION 333220- DRY PIT SUBMERSIBLE PUMPS, PART 2- PRODUCTS, ARTICLE 2.1 DRY PIT SUBMERSIBLE PUMPS, paragraph D Motor: subparagraph 3, Accessory Requirements  
**Delete** – sub-sub paragraph – a, "General: Motors shall have split-type cast metal conduit boxes."  
**Delete** sub-sub paragraph b, "Motors shall have anti-backspin ratchet".

**DRAWINGS:**

- Item No. 1 Drawing D-201, titled "OD ELEVATION VIEWS"  
**Revision 1**, pipe size change from 16" DIP pump discharge to 14" including bends, spools, and tee, with the addition of a 14" flange adaptor and 10" flange adaptors for the pump discharge pipe assemblies. See attached Drawing D-201.
- Item No. 2 Drawing D-202, titled "WJ ELEVATION VIEWS"  
**Revision 1**, addition of a 10" flange adaptor on each pump discharge pipe for pipe assembly. See attached Drawing D-202

By:   
Greg Smith,  
Contract Administrator

Total number of pages contained within this Addendum: 18

**PART 1 - GENERAL**

## 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

## 1.2 SUMMARY

- A. Section includes administrative and procedural requirements for contract closeout, including, but not limited to, the following:
  - 1. Substantial Completion procedures.
  - 2. Final completion procedures.
  - 3. Warranties.
  - 4. Final cleaning.
  - 5. Repair of the Work.

## 1.3 ACTION SUBMITTALS

- A. Product Data: For cleaning agents.
- B. Contractor's List of Incomplete Items: Initial submittal at Substantial Completion.
- C. Certified List of Incomplete Items: Final submittal at Final Completion.

## 1.4 FINAL ACCEPTANCE

- A. Before requesting inspection for certification of final acceptance and final payment, complete and submit the following:
  - 1. Submit final payment request.
  - 2. Submit a final Change Order request.
  - 3. Submit a copy of the final inspection list stating that each item has been completed or otherwise resolved for acceptance.
  - 4. Submit consent of surety to final payment.
  - 5. Submit evidence of continuing insurance coverage complying with insurance requirements.
  - 6. Written guarantees where required.
  - 7. Maintenance stock items; spare parts; special tools, where required.
  - 8. Certificates of final inspection and acceptance by local governing agencies having jurisdiction.
  - 9. Completed CBJ Certificate of Compliance and Release form attached with this section.
  - 10. Final Subcontractor list complete with final subcontract amounts and include all equipment rentals (with operators).

11. Before final payment can be made, the CONTRACTOR shall supply a copy of the "Notice of Completion of Public Works" form approved by Wage and Hour Administration of the Labor Standards and Safety Division of the Alaska Department of Labor and Workforce Development.
12. Alaska Department of Labor Employment Security Tax Clearance letter for the CONTRACTOR and all Subcontractors, a copy of which is located at the end of Section 00800 – Supplementary General Conditions.
13. Submit original items 9, 10, 11 and 12 to Contracts Administrator, CBJ Engineering.

#### 1.5 MAINTENANCE MATERIAL SUBMITTALS

- A. Schedule of Maintenance Material Items: For maintenance material submittal items specified in other Sections.

#### 1.6 SUBSTANTIAL COMPLETION PROCEDURES

- A. Contractor's List of Incomplete Items: Prepare and submit a list of items to be completed and corrected (Contractor's punch list), indicating all Work that is incomplete.
- B. Submittals Prior to Substantial Completion: Complete the following a minimum of 5 days prior to requesting inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.
  1. Certificates of Release: Obtain and submit releases from authorities having jurisdiction permitting Owner unrestricted use of the Work and access to services and utilities. Include occupancy permits, operating certificates, and similar releases.
  2. Submit closeout submittals specified in other Division 01 Sections, including project record documents, operation and maintenance manuals, final completion construction photographic documentation, damage or settlement surveys, property surveys, and similar final record information for each phase.
  3. Submit closeout submittals specified in individual Sections, including specific warranties, workmanship bonds, maintenance service agreements, final certifications, and similar documents.
  4. Submit maintenance material submittals specified in individual Sections, including tools, spare parts, extra materials, and similar items, and deliver to location designated by Owner's Representative. Label with manufacturer's name and model number where applicable.
  5. Submit test/adjust/balance records.
  6. Submit changeover information related to Owner's occupancy, use, operation, and maintenance.
- C. Procedures Prior to Substantial Completion: Complete the following a minimum of 5 days prior to requesting inspection for determining date of Substantial Completion. List items below that are incomplete at time of request.
  1. Advise Owner of pending insurance changeover requirements.
  2. Make final changeover of permanent locks and deliver keys to Owner. Advise Owner's personnel of changeover in security provisions.
  3. Complete startup and testing of systems and equipment.

4. Perform preventive maintenance on equipment used prior to Substantial Completion.
  5. Terminate and remove temporary facilities from Project site, along with mockups, construction tools, and similar elements.
  6. Complete final cleaning requirements, including touchup painting.
  7. Touch up and otherwise repair and restore marred exposed finishes to eliminate visual defects.
- D. Inspection: Submit a written request for inspection to determine Substantial Completion a minimum of 5 days prior to date the work will be completed and ready for final inspection and tests. On receipt of request, Engineer and Owner's Representative will either proceed with inspection or notify Contractor of unfulfilled requirements. Engineer will prepare the Certificate of Substantial Completion after inspection or will notify Contractor of items, either on Contractor's list or additional items identified by Engineer, that must be completed or corrected before certificate will be issued.
1. Reinspection: Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.
  2. Results of completed inspection will form the basis of requirements for final completion.

#### 1.7 FINAL COMPLETION PROCEDURES

- A. Submittals Prior to Final Completion: Before requesting final inspection for determining final completion, complete the following:
1. Submit a final Application for Payment according to Section 00700 Article 14.8. Final Application for Payment.
  2. Certified List of Incomplete Items: Submit certified copy of Engineer's Substantial Completion inspection list of items to be completed or corrected (punch list), endorsed and dated by Engineer. Certified copy of the list shall state that each item has been completed or otherwise resolved for acceptance.
  3. Certificate of Insurance: Submit evidence of final, continuing insurance coverage complying with insurance requirements.
- B. Inspection: Submit a written request for final inspection to determine acceptance a minimum of 10 days prior to date the work will be completed and ready for final inspection and tests. On receipt of request, Engineer and Owner's Representative will either proceed with inspection or notify Contractor of unfulfilled requirements. Engineer will prepare a final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.
1. Reinspection: Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.

#### 1.8 LIST OF INCOMPLETE ITEMS (PUNCH LIST)

- A. Organization of List: Include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the limits of construction.

1. Organize list of spaces in sequential order, starting with exterior areas first and proceeding from lowest floor to highest floor.
2. Organize items applying to each space by major element, including categories for ceiling, individual walls, floors, equipment, and building systems.
3. Include the following information at the top of each page:
  - a. Project name.
  - b. Date.
  - c. Name of Engineer.
  - d. Name of Contractor.
  - e. Page number.
4. Submit list of incomplete items in the following format:
  - a. PDF electronic file. Engineer through Owner's Representative will return annotated file.

#### 1.9 SUBMITTAL OF PROJECT WARRANTIES

- A. Time of Submittal: Submit written warranties on request of Engineer for designated portions of the Work where commencement of warranties other than date of Substantial Completion is indicated, or when delay in submittal of warranties might limit Owner's rights under warranty.
- B. Partial Occupancy: Submit properly executed warranties within 15 days of completion of designated portions of the Work that are completed and occupied or used by Owner during construction period by separate agreement with Contractor.
- C. Organize warranty documents into an orderly sequence based on the table of contents of Project Manual.
  1. Bind warranties and bonds in heavy-duty, three-ring, vinyl-covered, loose-leaf binders, thickness as necessary to accommodate contents, and sized to receive 8-1/2-by-11-inch (215-by-280-mm) paper.
  2. Provide heavy paper dividers with plastic-covered tabs for each separate warranty. Mark tab to identify the product or installation. Provide a typed description of the product or installation, including the name of the product and the name, address, and telephone number of Installer.
  3. Identify each binder on the front and spine with the typed or printed title "WARRANTIES," Project name, and name of Contractor.
  4. Provide electronic PDF copy of all warranty documents.
- D. Provide additional copies of each warranty to include in operation and maintenance manuals.



**PART 2 - PRODUCTS**

## 2.1 MATERIALS

- A. Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or fabricator of the surface to be cleaned. Do not use cleaning agents that are potentially hazardous to health or property or that might damage finished surfaces.
  - 1. Use cleaning products that comply with Green Seal's GS-37, or if GS-37 is not applicable, use products that comply with the California Code of Regulations maximum allowable VOC levels.

**PART 3 - EXECUTION**

## 3.1 FINAL CLEANING

- A. General: Perform final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.
- B. Cleaning: Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit to condition expected in an average commercial building cleaning and maintenance program. Comply with manufacturer's written instructions.
  - 1. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a designated portion of Project:
    - a. Clean Project site, yard, and grounds, in areas disturbed by construction activities, including landscape development areas, of rubbish, waste material, litter, and other foreign substances.
    - b. Sweep paved areas broom clean. Remove petrochemical spills, stains, and other foreign deposits.
    - c. Rake grounds that are neither planted nor paved to a smooth, even-textured surface.
    - d. Remove tools, construction equipment, machinery, and surplus material from Project site.
    - e. Clean exposed exterior and interior hard-surfaced finishes to a dirt-free condition, free of stains, films, and similar foreign substances. Avoid disturbing natural weathering of exterior surfaces. Restore reflective surfaces to their original condition.
    - f. Remove debris and surface dust from limited access spaces, including roofs, plenums, shafts, trenches, equipment vaults, manholes, attics, and similar spaces.
    - g. Sweep concrete floors broom clean in unoccupied spaces.
    - h. Vacuum carpet and similar soft surfaces, removing debris and excess nap; clean according to manufacturer's recommendations if visible soil or stains remain.
    - i. Clean transparent materials, including mirrors and glass in doors and windows. Remove glazing compounds and other noticeable, vision-obscuring materials. Polish mirrors and glass, taking care not to scratch surfaces.

- j. Remove labels that are not permanent.
  - k. Wipe surfaces of mechanical and electrical equipment, and similar equipment. Remove excess lubrication, paint and mortar droppings, and other foreign substances.
  - l. Replace disposable air filters and clean permanent air filters. Clean exposed surfaces of diffusers, registers, and grills.
  - m. Clean ducts, blowers, and coils if units were operated without filters during construction or that display contamination with particulate matter on inspection.
  - n. Clean light fixtures, lamps, globes, and reflectors to function with full efficiency.
  - o. Leave Project clean and ready for occupancy.
- C. Construction Waste Disposal: Comply with waste disposal requirements in Section 01560 "Temporary Environmental Controls."

### 3.2 REPAIR OF THE WORK

- A. Complete repair and restoration operations before requesting inspection for determination of Substantial Completion.
- B. Repair or remove and replace defective construction. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment. Where damaged or worn items cannot be repaired or restored, provide replacements. Remove and replace operating components that cannot be repaired. Restore damaged construction and permanent facilities used during construction to specified condition.
  - 1. Remove and replace chipped, scratched, and broken glass, reflective surfaces, and other damaged transparent materials.
  - 2. Touch up and otherwise repair and restore marred or exposed finishes and surfaces. Replace finishes and surfaces that already show evidence of repair or restoration.
    - a. Do not paint over "UL" and other required labels and identification, including mechanical and electrical nameplates. Remove paint applied to required labels and identification.
  - 3. Replace parts subject to operating conditions during construction that may impede operation or reduce longevity.
  - 4. Replace burned-out bulbs, bulbs noticeably dimmed by hours of use, and defective and noisy starters in fluorescent and mercury vapor fixtures to comply with requirements for new fixtures.

### COMPLIANCE CERTIFICATE AND RELEASE FORM

PROJECT: Outer Drive & West Juneau Pump Station Improvements  
CONTRACT NO: BE23-194

**SECTION 017700 - CLOSEOUT PROCEDURES**

**Addendum 1**

The **CONTRACTOR** must complete and submit this form to the Contract Administrator with respect to the entire contract and submit completed Subcontractor Compliance forms for each Subcontractor used on the Contract and listed on the Subcontractor report.

Completed forms shall be submitted upon completion of the Project. All requirements and submittals must be met before final payment will be made to the **CONTRACTOR**.

*I certify that the following and any referenced attachments are true:*

- All WORK has been performed, materials supplied, and requirements met in accordance with the applicable Drawings, Specifications, and Contract Documents.
- All payments to Subcontractors and Suppliers have been made in accordance with Alaska Statute 36.90.210. If not, please provide written explanation, for each case, why and the specific mutual payment agreement reached with the Supplier or Subcontractor.
- CHECK ONE:
  - All Suppliers and Subcontractors have been paid in full with no claims for labor, materials or other services outstanding.
  - The following Suppliers and Subcontractors are due final payment which will be made upon the release of the final payment by the CBJ. List the Suppliers and Subcontractors and the amount they are due below (attach separate sheet if necessary) :

|    | Supplier or Subcontractor | Amount Owed |
|----|---------------------------|-------------|
| 1. |                           | \$          |
| 2. |                           | \$          |
| 3. |                           | \$          |
| 4. |                           | \$          |
| 5. |                           | \$          |
| 6. |                           | \$          |
| 7. |                           | \$          |

- All employees have been paid not less than the current prevailing wage rates set by the State of Alaska (or U.S. Department of Labor, as applicable).
- All equal employment opportunity, certified payroll and other reports have been filed in accordance with the prime contract.

**SECTION 017700 - CLOSEOUT PROCEDURES**

**Addendum 1**

- The attached list of Subcontractors is complete (required from CONTRACTOR). The City Engineer was advised and approved of all Subcontractors before WORK was performed and has approved any substitutions of Subcontractors.
- All DBE firms listed as a precondition of the prime contract award must have performed a commercially useful function in order for the WORK to count to a DBE goal. All DBE firms performed the WORK stated and have received at least the amount claimed for credit in the Contract Documents.
- All DBE Subcontractors must attach a signed statement of the payment amount received, the nature of WORK performed, whether any balance is outstanding, and indicate that no rebates are involved.
- If the amount paid is less than the amount originally claimed for DBE credit, the CONTRACTOR has attached approval from the City Engineer for underutilization.

*I understand it is unlawful to misrepresent information in order to receive a payment which would otherwise be withheld if these conditions were not met. I am an authorized agent of this firm and sign this freely and voluntarily. The foregoing statements are true and apply to the following project contractor.*

\_\_\_\_\_  
 Firm Name Capacity: CONTRACTOR

\_\_\_\_\_  
 Signed Printed Name and Title Date

Return completed form to: Engineering Contracts Division, City and Borough of Juneau, 155 South Seward Street, Juneau, AK 99801 or by email to: [contracts@juneau.org](mailto:contracts@juneau.org)

Call (907) 586-0800 if we can be of further assistance or if you have any questions.

**SUBCONTRACTOR COMPLIANCE CERTIFICATE AND RELEASE FORM**

PROJECT: Outer Drive & West Juneau Pump Station Improvements  
 CONTRACT NO: BE23-194

Each **SUBCONTRACTOR** must complete and submit this form to the Contract Administrator, through the General Contractor, with respect to the entire contract.

Completed forms shall be submitted upon completion of the Project. All requirements and submittals must be met before final payment will be made to the CONTRACTOR.

*I certify that the following and any referenced attachments are true:*

- All WORK has been performed, materials supplied, and requirements met in accordance with the applicable Drawings, Specifications, and Contract Documents.
- \_\_\_\_\_ (name of firm) has been paid by the Contractor in accordance with Alaska Statute 36.90.210. (If not, please provide written explanation on an attached sheet, for each case. Provide specific details why payment was not made and the specific mutual payment agreement reached with the Contractor if it is still unresolved.)
- CHECK ONE:
  - I / WE have been paid in full by the Contractor, with no claims for labor, materials or other services outstanding.
  - I / WE are due the following amount from the Contractor which is included in the Contractors Request for Final Payment. WE are due a total of \$ \_\_\_\_\_ for the following individual items that have yet to be paid (attach separate sheet if necessary).

|    | Outstanding Payment Item | Outstanding Amount Owed |
|----|--------------------------|-------------------------|
| 1. |                          | \$                      |
| 2. |                          | \$                      |
| 3. |                          | \$                      |
| 4. |                          | \$                      |
| 5. |                          | \$                      |
| 6. |                          | \$                      |
| 7. |                          | \$                      |

- All employees have been paid not less than the current prevailing wage rates set by the State of Alaska (or U.S. Department of Labor, as applicable).
- All equal employment opportunity, certified payroll and other reports have been filed in accordance with the prime contract.

*I understand it is unlawful to misrepresent information in order to receive a payment which would otherwise be withheld if these conditions were not met. I am an authorized agent of this firm and sign this freely and voluntarily. The foregoing statements are true and apply to the following project contractor.*

\_\_\_\_\_  
 Firm Name Capacity: SUBCONTRACTOR

\_\_\_\_\_  
 Sign Printed Name and Title Date

Prime Contractor shall return completed form to: Engineering Contracts Division, City and Borough of Juneau, 155 South Seward Street, Juneau, AK 99801 or email: greg.smith@juneau.org Call (907) 586-0800 if we can be of further assistance or if you have any questions.

**END OF SECTION**

2.6 Process Valve Schedule

**Addendum 1**

| <b>Pump Station ID</b> | <b>Process Valve Tag No.</b> | <b>Description</b>       | <b>Size</b> | <b>Connection Type</b> | <b>Material</b> | <b>Actuator</b>        | <b>Actuator/Operator Accessories</b>                  |
|------------------------|------------------------------|--------------------------|-------------|------------------------|-----------------|------------------------|---|
| OD                     | KGV-101                      | Knife Gate Valve         | 10"         | Wafer                  | SS              | Pneumatic Cyliner      | Parker Air Valve Switch and air piping                |
| OD                     | KGV-102                      | Knife Gate Valve         | 10"         | Wafer                  | SS              | Pneumatic Cyliner      | Parker Air Valve Switch and air piping                |
| OD                     | KGV-103                      | Knife Gate Valve         | 10"         | Wafer                  | SS              | Pneumatic Cyliner      | Parker Air Valve Switch and air piping                |
| OD                     | BV-102                       | Ball Valve               | 2"          | Threaded               | SS              | Lever                  |   |
| OD                     | BV-103                       | Ball Valve               | 2"          | Threaded               | SS              | Lever                  |   |
| OD                     | BV-104                       | Ball Valve               | 2"          | Threaded               | SS              | Lever                  |   |
| OD                     | CV-101                       | Check Valve (Swing Flex) | 10"         | Flanged                | Cast            | Screw Type backflow ac | Position indicator switch                             |
| OD                     | CV-102                       | Check Valve (Swing)      | 16"         | Flanged                | Cast            | Lever w/counterweight  | Position indicator switch, air cushion, counterweight |
| OD                     | CV-103                       | Check Valve (Swing Flex) | 10"         | Flanged                | Cast            | Screw Type backflow ac | Position indicator switch                             |
| OD                     | KGV-104                      | Knife Gate Valve         | 10"         | Wafer                  | SS              | Pneumatic Cyliner      | Parker Air Valve Switch and air piping                |
| OD                     | KGV-105                      | Knife Gate Valve         | 16"         | Wafer                  | SS              | Pneumatic Cyliner      | Parker Air Valve Switch and air piping                |
| OD                     | KGV-106                      | Knife Gate Valve         | 10"         | Wafer                  | SS              | Pneumatic Cyliner      | Parker Air Valve Switch and air piping                |
| OD                     | KGV-107                      | Knife Gate Valve         | 16"         | Wafer                  | SS              | Pneumatic Cyliner      | Parker Air Valve Switch and air piping                |
| OD                     | PV-101                       | Plug Valve               | 6"          | Flanged                | Cast            | Handwheel              |   |
| WJ                     | KGV-201                      | Knife Gate Valve         | 12"         | Wafer                  | SS              | Pneumatic Cyliner      | Parker Air Valve Switch and air piping                |
| WJ                     | KGV-202                      | Knife Gate Valve         | 12"         | Wafer                  | SS              | Pneumatic Cyliner      | Parker Air Valve Switch and air piping                |
| WJ                     | BV-202                       | Ball Valve               | 2"          | Threaded               | SS              | Lever                  |   |
| WJ                     | BV-203                       | Ball Valve               | 2"          | Threaded               | SS              | Lever                  |   |
| WJ                     | CV-201                       | Check Valve (Swing Flex) | 10"         | Flanged                | Cast            | Screw Type backflow ac | Position indicator switch                             |
| WJ                     | CV-202                       | Check Valve (Swing Flex) | 10"         | Flanged                | Cast            | Screw Type backflow ac | Position indicator switch                             |

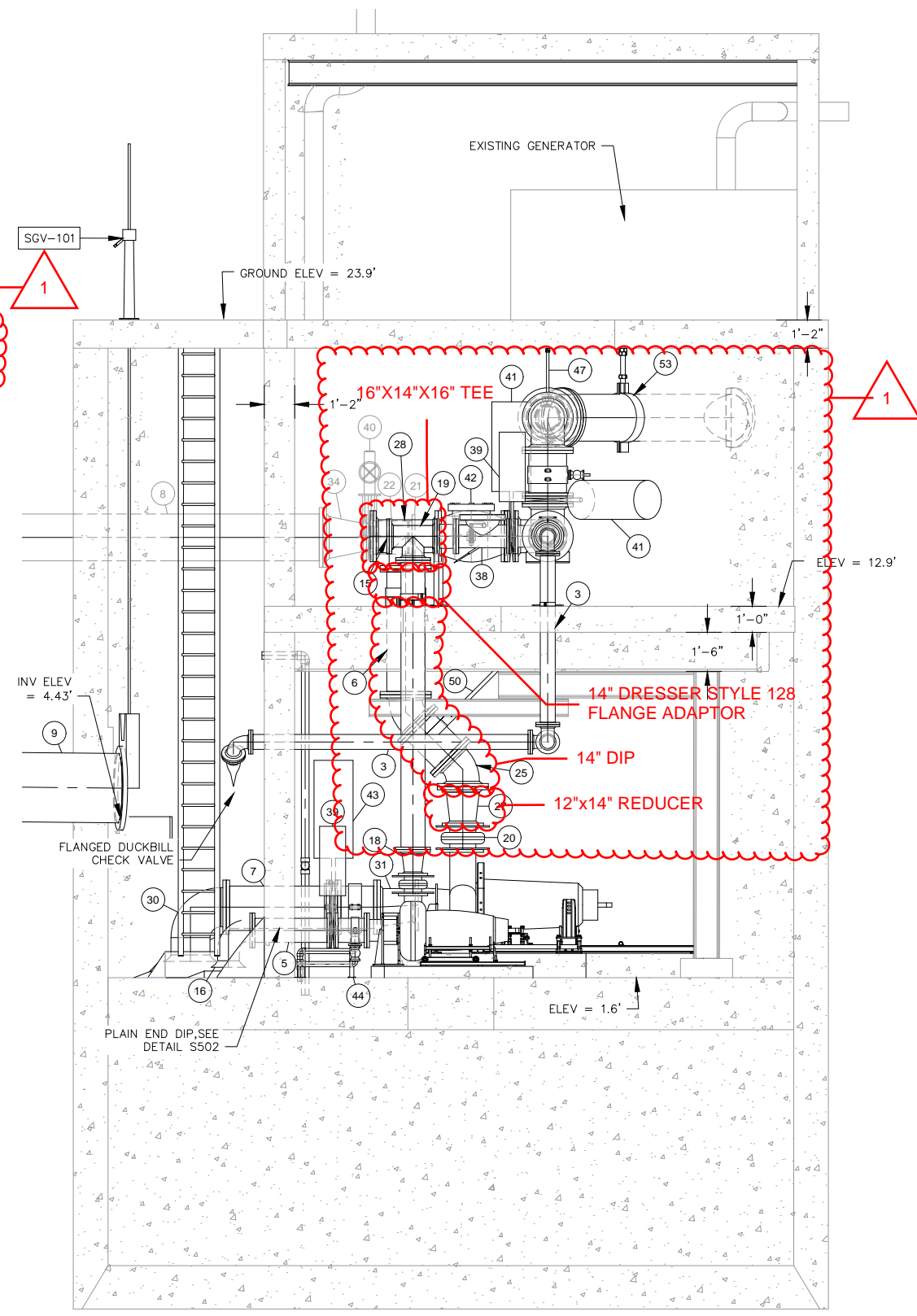
|    |         |                  |     |         |      |                   |  |
|----|---------|------------------|-----|---------|------|-------------------|--|
| WJ | KGV-203 | Knife Gate Valve | 10" | Wafer   | SS   | Pneumatic Cyliner | Parker Air Valve Switch and air piping |
| WJ | KGV-204 | Knife Gate Valve | 10" | Wafer   | SS   | Pneumatic Cyliner | Parker Air Valve Switch and air piping |
| WJ | PV-201  | Plug Valve       | 4"  | Flanged | Cast | Handwheel         |  |
| WJ | PV-202  | Plug Valve       | 12" | Flanged | Cast | Chainwheel        | Stainless Steel Chain Loop             |



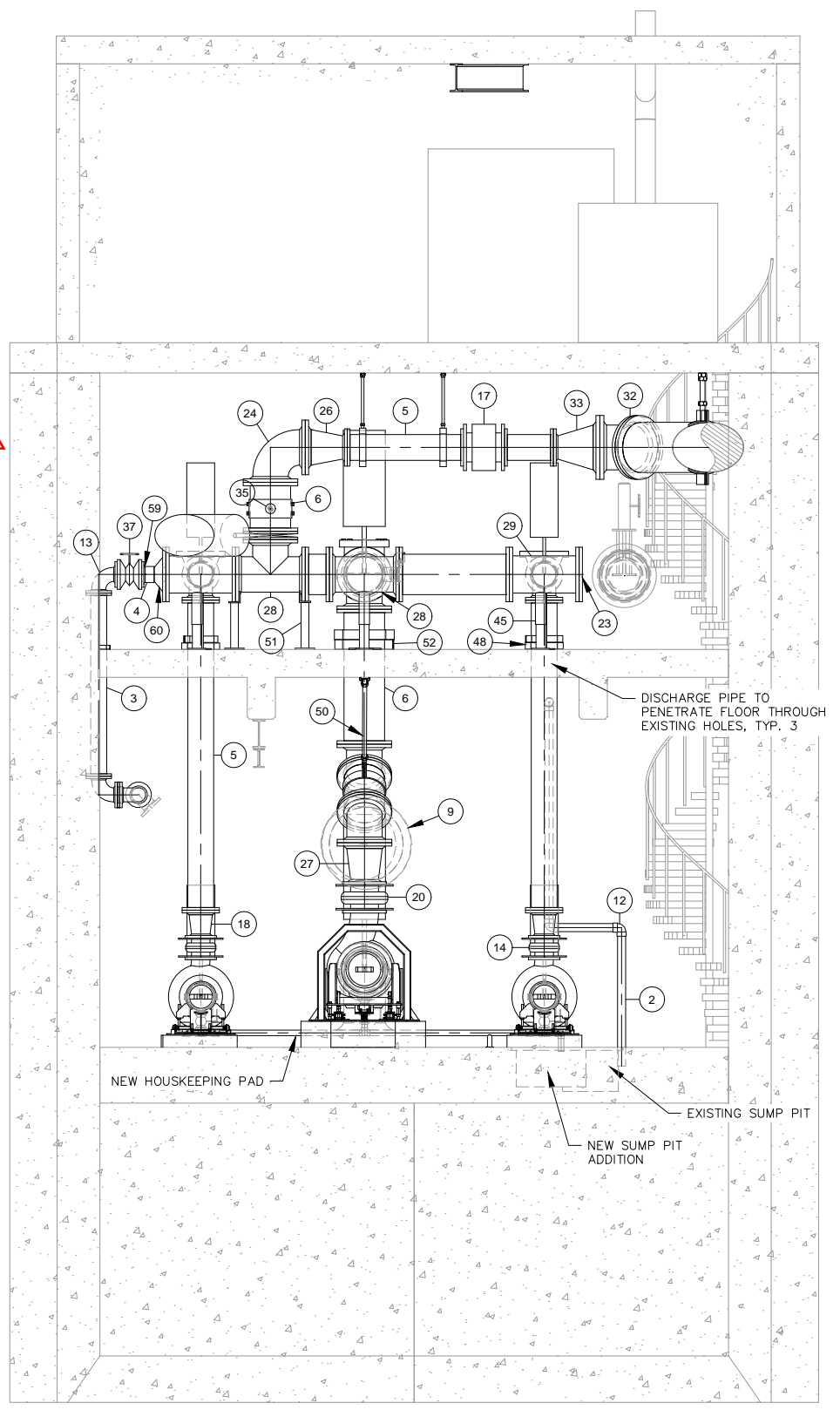


| SECTION K-K |                      |             |              |  |
|-------------|----------------------|-------------|--------------|--|
| ID          | DESCRIPTION          | ND          | QTY          | COMMENTS   |
| 3           | DI PIPE              | 6"          | 17'-4 9/16"  | FLANGED  |
| 5           | DI PIPE              | 10"         | 37'-11 5/32" | FLANGED; SEE DETAIL 1 & 2, SHEET S-502                     |
| 6           | DI PIPE              | 16"         | 13'-3 7/16"  | FLANGED  |
| 7           | DI PIPE              | 18"         | 5'-5 7/8"    | FLANGED; SEE DETAIL 1 & 2, SHEET S-502                     |
| 8           | DI PIPE              | 20"         | 23'-6 13/32" | EXISTING, ABANDONED FORCE MAIN - TO REMAIN                 |
| 9           | DI PIPE              | 30"         | 45'-5 3/4"   | EXISTING 30" GRAVITY MAIN TO BE LINED WITH CIPP            |
| 15          | BLIND FLANGE         | 10"         | 2            | -  |
| 16          | 90 DEGREE BELL       | 10"         | 2            | -  |
| 18          | CONCENTRIC REDUCER   | 10"x8"      | 2            | -  |
| 19          | TEE                  | 10"         | 2            | -  |
| 20          | EXPANSION JOINT      | 12"         | 1            | -  |
| 21          | BLIND FLANGE         | 14"         | 1            | EXISTING, ABANDONED FORCE MAIN - TO REMAIN                 |
| 22          | FLOW METER           | 14"         | 1            | EXISTING, ABANDONED FORCE MAIN - TO REMAIN                 |
| 25          | 45 DEGREE BEND       | 14"         | 2            | -  |
| 27          | CONCENTRIC REDUCER   | 14"x12"     | 1            | -  |
| 28          | TEE                  | 16"x14"x16" | 3            | -  |
| 31          | ECCENTRIC REDUCER    | 18"x16"     | 1            | -  |
| 34          | CONCENTRIC REDUCER   | 20"x14"     | 1            | EXISTING, ABANDONED FORCE MAIN - TO REMAIN                 |
| 38          | CHECK VALVE          | 10"         | 2            | -  |
| 39          | KNIFE GATE VALVE     | 10"         | 4            | AIR ACTUATED, INTAKE ISOLATION VALVE                       |
| 40          | KNIFE GATE VALVE     | 14"         | 1            | EXISTING, ABANDONED FORCE MAIN ISOLATION VALVE - TO REMAIN |
| 41          | KNIFE GATE VALVE     | 16"         | 2            | AIR ACTUATED, UPPER HEADER ISOLATION VALVE                 |
| 42          | CHECK VALVE          | 16"         | 1            | -  |
| 43          | KNIFE GATE VALVE     | 18"         | 1            | AIR ACTUATED, INTAKE ISOLATION VALVE                       |
| 44          | WELDED STANCHION     | 1 1/2"      | 6            | -  |
| 47          | BOLTED HANGER        | 10"         | 2            | INCLUDE SEISMIC RESTRAINT - SEE 7/D-501                    |
| 50          | SWING STRUT ASSEMBLY | 16"         | 1            | ANVIL MODEL SIZE 2, OPTION 3, FIGURE 211                   |
| 53          | BOLTED HANGER        | 20"         | 1            | INCLUDE SEISMIC RESTRAINT - SEE 7/D-501                    |

| SECTION L-L |                             |             |              |   |
|-------------|-----------------------------|-------------|--------------|---|
| ID          | DESCRIPTION                 | ND          | QTY          | COMMENTS  |
| 2           | SCH 40 PVC PIPE             | 3"          | 16'-2 19/32" | EXISTING SUMP PIPING - TO REMAIN                |
| 3           | DI PIPE                     | 6"          | 17'-4 9/16"  | FLANGED   |
| 4           | DI PIPE                     | 6"          | 3 27/32"     | FLANGED   |
| 5           | DI PIPE                     | 10"         | 37'-11 5/32" | FLANGED   |
| 6           | DI PIPE                     | 16"         | 13'-3 7/16"  | FLANGED   |
| 9           | DI PIPE                     | 30"         | 45'-5 3/4"   | EXISTING 30" GRAVITY MAIN TO BE LINED WITH CIPP |
| 12          | SCH 40 PVC 90 DEGREE BEND   | 3"          | 3            | EXISTING SUMP PIPING - TO REMAIN                |
| 13          | 90 DEGREE ELBOW             | 6"          | 4            | -   |
| 14          | EXPANSION JOINT             | 8"          | 2            | -   |
| 17          | FLOW METER                  | 10"         | 1            | FM-101; SEE ELECTRICAL                          |
| 18          | CONCENTRIC REDUCER          | 10"x8"      | 2            | -   |
| 20          | EXPANSION JOINT             | 12"         | 1            | -   |
| 23          | BLIND FLANGE                | 16"         | 2            | -   |
| 24          | 90 DEGREE ELBOW             | 16"         | 1            | -   |
| 26          | CONCENTRIC REDUCER          | 16"x10"     | 1            | -   |
| 27          | CONCENTRIC REDUCER          | 16"x12"     | 1            | -   |
| 28          | TEE                         | 16"         | 3            | -   |
| 29          | TEE                         | 16"x10"x16" | 2            | -   |
| 32          | 45 DEGREE BEND              | 20"         | 1            | EXTENT OF SCOPE OF WORK                         |
| 33          | CONCENTRIC REDUCER          | 20"x10"     | 1            | -   |
| 35          | BALL VALVE                  | 1"          | 1            | PH SENSOR ISOLATION VALVE                       |
| 37          | PLUG VALVE                  | 6"          | 1            | DRAIN ISOLATION VALVE                           |
| 45          | ADJUSTABLE WELDED STANCHION | 4"          | 3            | -   |
| 48          | CLAMP                       | 10"         | 4            | SEE DETAIL 5/D-501                              |
| 50          | SWING STRUT ASSEMBLY        | 16"         | 1            | ANVIL MODEL SIZE 2, OPTION 3, FIGURE 211        |
| 59          | COMPANION FLANGE            | 6"          | 1            | -   |
| 60          | COMPANION FLANGE            | 16"x6"      | 1            | -   |



SECTION K-K

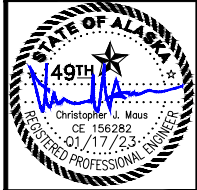


SECTION L-L



- NOTES:
- ALL PROCESS PIPING TO BE FACTORY PRIMED AND FIELD PAINTED PER SPECIFICATIONS
  - USE FLANGED COUPLING ADAPTERS AS NEEDED AND PER APPROVAL OF ENGINEER TO FACILITATE PIPE FITTING AND ASSEMBLY
  - PUMP SUPPORT BRACKETRY SHALL BE FOR FLYGT PUMP NZ INSTALLATION AND SUPPLIED BY MANUFACTURER

| REV | DATE     | DESCRIPTION        |
|-----|----------|--------------------|
| 1   | 2/7/2023 | BID SET ADDENDUM 1 |



OUTER DRIVE & WEST JUNEAU PUMP STATION REHABILITATION  
JUNEAU, AK  
OD ELEVATION VIEWS

PROJECT 1528.50233.01  
DATE 1/17/2023

**BID SET**

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SHEET  
D-201