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March 20, 2024

SUBJECT: Big Pasco Industrial Center Concrete Dock & Ramp Repairs
BIDS DUE APRIL 18, 2024 AT 11:00 AM

Dear Small Works Contractor:

Please find enclosed the bidding documents for the Port of Pasco, Big Pasco Industrial Center Concrete Dock & Ramp Repairs project. The project involves construction of infilled end wall sections at existing docks and ramps at Big Pasco Industrial Center.

We would appreciate your bid proposal or a response indicating that you will not be submitting a bid.

If you have any questions, please feel free to contact me at (509) 547-3378.

Respectfully,

A handwritten signature in blue ink that reads "Tracy Friesz".

Tracy Friesz
Facilities Engineer

enclosure

Port of Pasco
INVITATION FOR BIDS
Small Works Roster

Notice to Contractors: The Port of Pasco requests your proposal to furnish labor, equipment, and material to accomplish the project: Big Pasco Industrial Center Concrete Dock & Ramp Repairs.

- Instructions:** Please submit your proposal by mail or by hand not later than **11:00 AM. PST, April 18, 2024**. Bids shall be mailed, or delivered to the Facilities Engineer, Port of Pasco, 1110 Osprey Pointe Blvd, Suite 201, Pasco, WA 99301. Questions may be directed to Tracy Friesz, Ph. 509.547.3378. Plans and specifications may be examined or obtained at the Port of Pasco Administrative office at the address listed above or at the Port's web site, www.portofpasco.org under "Work with Us". Contractors must be on the Port's Small Works Roster to be eligible for bidding on this project. Small Works Roster applications are available on the Port's web site, www.portofpasco.org. Small Works Roster applications need to be renewed every 2 years.
- Bid Opening:** Bids will immediately be publicly opened and read aloud on the submittal time and date listed above. Bids received after the time for opening cannot be considered.
- Bid Award:** Opened proposals will be submitted to the Board of Commissioners of the Port of Pasco at the next regular meeting. It is anticipated an award will be made within one week after the presentation to the Board of Commissioners. The work will be awarded to, and a contract negotiated with the lowest responsible bidder or the bid judged to be in the best interest of the Port of Pasco. The successful bidder shall have 10 days after receipt of the Notice of Award to execute the Agreement and furnish required bonds and proof of insurance.
- Start Date and Contract Time:** Work will begin within 10 days after the execution of the contract, and require completion not to exceed 75 calendar days.
- Pre-Bid Walk-Through:** A pre-bid meeting for the project will be held at the Port Administrative Office, 1110 Osprey Pointe Blvd, Suite 201, Pasco, WA on April 11, 2024, at 10:00 AM. A walk-through of the project site will be conducted at the pre-bid meeting.
- Bid Proposal Form:** Proposals shall be prepared on the standard proposal form attached. The bidder shall make no stipulation on the bid form, nor qualify the bid in any manner. The proposal shall be placed in a sealed envelope marked in the lower left corner with "Proposal for Big Pasco Industrial Center Concrete Dock & Ramp Repairs. Please place name of company on front of envelope as well.
- Bid Comparisons:** Discrepancies between the multiplication of units of Work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. Discrepancies between figures and numbers written as words shall be resolved in favor of the numbers written as words.
- Bid Hold:** No Bid may be withdrawn for a period of four weeks after the bid date.

Bid Guarantee: A certified check, cashier's check or bid bond made payable to the Port of Pasco for an amount equal to at least 5% of the total base bid amount shall accompany each bid.

Performance & Payment Bond: The Contractor shall furnish performance and payment bonds, each in an amount at least equal to the Contract Price, as required by R.C.W. 39.08, upon execution of a contract. These bonds shall remain in effect until one year after the date when final payment becomes due. In lieu of the said performance and payment bonds, and in the event the contract is for an amount less than \$150,000.00, the Contractor may elect to have the Port retain 10% of the contract amount for a period of forty five (45) days after the date of final acceptance, or until receipt of all necessary releases from the Department of Revenue, Department of Labor and Industries, and the settlement of liens filed under Chapter 60.28 R.C.W., whichever is later. Retained amounts will be held by the Port unless Contractor submits a written request to invest the deposit retainage in accordance with applicable law.

Agreement: Successful bidder will execute the attached Agreement between the Port of Pasco and the Contractor.

Right of the Port to Accept or Reject Bids: The Port of Pasco reserves the right to reject any or all bids, to waive any informalities or irregularities in any bid, or in the bidding, and to accept or reject any bid for reasons based solely on considerations for the best interests of the Port of Pasco.

GENERAL CONDITIONS:

Insurance: The Contractor shall purchase and maintain such insurance as will protect it from claims arising out of Contractor's operations under the contract, whether such operations be by itself or by any subcontractor or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable (per Title 48 of the R.C.W.). Said insurance shall include provisions applying to:

- A. Claims under workman's compensation, disability benefit and other similar employee benefit acts;
- B. Claims for damages because of bodily injury, occupational sickness or disease, or death of its employees, and claims insured by usual personal injury liability coverage;
- C. Claims for damages because of bodily injury, sickness or disease, or death of person other than its employees, and claims insured by usual personal injury liability coverage; and
- D. Claims for damages because of injury to or destruction of tangible property, including loss of use resulting there from.

The insurance required by this paragraph shall be written for not less than:

- A. Commercial General Liability and Contractual Liability Insurance; written on an Occurrence form, and include Premises and Products/Completed Operations; Employers Liability.

Combined Single Limit per Occurrence	\$1,000,000
General Aggregate	\$2,000,000

- B. Commercial Auto Liability; including all Owned, Non-Owned, and Hired Autos:

Combined Single Limit per Occurrence \$1,000,000 each Accident including Bodily Injury and Property Damage Liability

- C. Workers Compensation Statutory Requirements
- D. Excess/Umbrella \$1,000,000 Each Occurrence

All such insurance policies shall be issued by a reputable insurance company satisfactory to Port; authorized to do business in the State of Washington and rated A- or better by A. M. Best Company. The insurance company and its agent shall be licensed with the State of Washington Insurance Commissioner per Title 48 of the RCW of Washington.

The policy of Commercial General Liability shall 1) name the Port as an Additional Insured for both "ongoing" and "completed operations", and shall include coverage for the Port's officers, directors, partners, employees, agents, and consultants and 2) be primary coverage for both Defense and Indemnity and Non-Contributory with any insurance maintained by Port, and shall provide for a Waiver of Subrogation rights as to the Port.

Evidence of Insurance shall be filed with the Port prior to the execution of the agreement, which documents that policies providing such coverage and limits of insurance are in full force and effect in a form acceptable to the Port. Attach appropriate endorsement forms evidencing required additional insured parties. Thirty (30) days advance notice shall be given in writing to the PORT prior to cancellation, termination or alteration of said policies of insurance. The insurance company and its agent shall be licensed with the State of Washington Insurance Commissioner per Title 48 of the RCW of Washington.

Warranty: Standard one year Contractors Guarantee covering the work performed and Manufacturers' Warranty on material, and warranties as otherwise listed in these specifications. Copies of all such warranties to be furnished to the Port of Pasco.

Cancellation of Contract for Violation of Port Policy: This contract pursuant to R.C.W. 49.28.050 and 49.28.060 may be cancelled by the officers or agents of the Port authorized to contract for or supervise the execution of such work, in case such work is not performed in accordance with the policy of the Port relating to such work.

Prevailing Wage: The hourly wages paid to laborers, workmen or mechanics shall not be less than the prevailing rate of wage, R.C.W. 39.12.020. No worker may be paid less than the specified hourly rate. Contractor will submit Intent to Pay Prevailing Wages, Affidavit of Wages Paid, and Request for Release to the Department of Labor and Industries at appropriate times.

The Washington State Prevailing Wage Rates for Public Works Contracts, Franklin County, effective April 18, 2024, is a part of this Invitation and may be accessed from the following website: <http://www.ini.wa.gov/TradesLicensing/PrevWage/WageRates/default.asp>. A copy is also available for viewing at the Port of Pasco office, 1110 Osprey Pointe Blvd, Suite 201, Pasco, WA 99301, and can be mailed upon request.

Retainage: Retainage of 5% will be administered in accordance with R.C.W. 60.28 when contractor elects to furnish a performance and payment bond for the project when all requirements are met. If contractor elects not to furnish a performance and payment bond on the project of \$150,000 or less, retainage of 10% will be withheld until requirements of R.C.W. 60.28 are met.

Bidder Responsibility Criteria It is the intent of Owner to award a contract to the lowest, responsible bidder. In accordance with RCW 39.04.350, before award of a public works contract, the bidder must meet the following bidder responsibility criteria to be considered a responsible bidder and qualified to be awarded a public works project. The bidder may be required by the Owner to submit documentation demonstrating compliance with the criteria. The bidder must:

- A. Have a current certificate of registration as a contractor at the time of bid submittal, in compliance with chapter 18.27 RCW. In addition, per RCW 39.06.010(1), all electrical and elevator contractors must also be licensed, which must have been in effect at the time of bid submittal;
- B. Have a current Washington Unified Business Identifier (UBI) number;
- C. If applicable:
 - 1. Have Industrial Insurance (workers' compensation) coverage for the bidder's employees working in Washington, as required in Title 51 RCW, unless self insured;
 - 2. Have a Washington Employment Security Department number, as required in Title 50 RCW;
 - 3. Have a Washington Department of Revenue state excise tax registration number, as required in Title 82 RCW;
 - 4. Have a Federal Employer Identification number (EIN or Federal Tax ID number)
- D. Not be disqualified from bidding on any public works contract under RCW 39.06.010 or 39.12.065(3).
- E. If bidding on a public works project subject to the apprenticeship utilization requirements in RCW 39.04.320, not have been found out of compliance by the Washington state apprenticeship and training council for working apprentices out of ratio, without appropriate supervision, or outside their approved work processes as outlined in their standards of apprenticeship under chapter 49.04 RCW for the one-year period immediately preceding the date of the bid solicitation;
- F. Have received training on the requirements related to public works and prevailing wage under this chapter and chapter 39.12 RCW. The bidder must designate a person or persons to be trained on these requirements. The training must be provided by the department of labor and industries or by a training provider whose curriculum is approved by the department. The department, in consultation with the prevailing wage advisory committee, must determine the length of the training. Bidders that have completed three or more public works projects and have had a valid business license in Washington for three or more years are exempt from this subsection. The department of labor and industries must keep records of entities that have satisfied the training requirement or are exempt and make the records available on its web site. Responsible parties may

rely on the records made available by the department regarding satisfaction of the training requirement or exemption;

- G. Within the three year period immediately preceding the date of the bid solicitation, not have been determined by a final binding citation and notice of assessment issued by the Department of Labor and Industries or through a civil judgement entered by a court of limited or general jurisdiction to have willfully violated, as defined in RCW 49.48.082, any provision of chapter 49.46, 49.48, or 49.52 RCW. This requires the successful bidder to submit to the municipality a signed acknowledged statement under oath verifying under penalty of perjury that the bidder is in compliance with the responsible bidder criteria requirement set forth under this number.
- H. In accordance with RCW 39.06, a public works contractor must verify responsibility criteria for each first tier subcontractor, and a subcontractor of any tier that hires other subcontractors must verify responsibility criteria for each of its subcontractors. Verification shall include that each subcontractor, at the time of subcontract execution, meets the responsibility criteria and possesses an electrical contractor license if required by RCW 19.28, or an elevator contractor license, if required by RCW 70.87. This verification requirement, as well as the responsibility criteria, must be included in every public works contract and subcontract of every tier.

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SPECIFICATIONS:

Section 1:

Description of the Work: The project involves construction of infilled end wall sections at existing docks and ramps at Big Pasco Industrial Center. Plans are attached as Drawings G-01 through G-03, PH-01 through PH-02, A-01 through A-08, and S-01 through S-05. Project specific requirements are listed below:

DIVISION 012600 - CONTRACT MODIFICATION PROCEDURES

PART 1 - GENERAL

1.01 SUMMARY

- A. Section includes administrative and procedural requirements for handling and processing contract modifications.

1.02 MINOR CHANGES IN THE WORK

- A. Architect will issue supplemental instructions authorizing minor changes in the work, not involving adjustment to the contract sum or the contract time, on AIA Document G710, "Architect's Supplemental Instructions."

1.03 PROPOSAL REQUESTS

- A. Owner-Initiated Proposal Requests: Architect will issue a description of proposed changes in the work that may require adjustment to the contract sum or the contract time. Work change proposal requests issued by architect are not instructions either to stop work in progress or to execute the proposed change. Cost shall include a list of quantities of products required or eliminated and unit costs, with total amount of purchases and credits to be made, applicable taxes, delivery charges, equipment rental, and costs of labor and supervision directly attributable to the change.
- B. Contractor-Initiated Work Change Proposals: If latent or changed conditions require modifications to the contract, contractor may initiate a claim by submitting a request for a change to architect. Include a statement outlining reasons for the change and the effect of the change on the work. Provide a complete description of the proposed change. Indicate the effect of the proposed change on the contract sum and the contract time. Cost shall include a list of quantities of products required or eliminated and unit costs, with total amount of purchases and credits to be made, applicable taxes, delivery charges, equipment rental, and costs of labor and supervision directly attributable to the change.

1.04 CHANGE ORDER PROCEDURES

- A. On owner's approval of a work changes proposal request, architect will issue a change order for signatures of owner and contractor on AIA Document G701.

1.05 CONSTRUCTION CHANGE DIRECTIVE

- A. Construction Change Directive: Architect may issue a construction change directive on AIA Document G714. Construction change directive instructs contractor to proceed with a change in the work, for subsequent inclusion in a change order.

- B. Documentation: Maintain detailed records on a time and material basis of work required by the construction change directive. After completion of change, submit an itemized account and supporting data necessary to substantiate cost and time adjustments to the contract.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF DIVISION 012600 - CONTRACT MODIFICATION PROCEDURES

DISISION 013100 - PROJECT MANAGEMENT AND COORDINATION

PART 1 – GENERAL

1.01 SUMMARY

- A. Section includes administrative provisions for coordinating construction operations on project including, but not limited to Requests for Information (RFIS) and project meetings.

1.02 GENERAL COORDINATION PROCEDURES

- A. Coordination: Coordinate construction operations included in different sections of the specifications to ensure efficient and orderly installation of each part of the work. Coordinate construction operations, included in different sections, which depend on each other for proper installation, connection, and operation. Schedule construction operations in sequence required to obtain the best results where installation of one part of the work depends on installation of other components, before or after its own installation. Coordinate installation of different components to ensure maximum performance and accessibility for required maintenance, service, and repair. Make adequate provisions to accommodate items scheduled for later installation.
- B. Administrative Procedures: Coordinate scheduling and timing of required administrative procedures with other construction activities to avoid conflicts and to ensure orderly progress of the work. Such administrative activities include, but are not limited to, preparation of contractor's construction schedule, delivery and processing of submittals, progress meetings, pre-installation conferences, project closeout activities, and startup and adjustment of systems.

1.03 REQUESTS FOR INFORMATION (RFIS)

- A. General: Immediately on discovery of the need for additional information or interpretation of the contract documents, contractor shall prepare and submit an RFI in the form specified. Architect will return RFIS submitted to architect by other entities controlled by contractor with no response.
- B. Content of the RFI: Include a detailed, legible description of item needing information or interpretation and the contractor's suggested resolution. If contractor's solution(s) impacts the contract time or the contract sum, contractor shall state impact in the RFI.
- C. RFI forms: AIA Document G716 or approved form, acceptable to architect.
- D. Architect's Action: Architect will review each RFI, determine action required, and respond. Allow seven working days for architect's response for each RFI. The following RFIS will be returned without action:

Requests for approval of submittals or substitutions and requests for coordination information already indicated in the contract documents.

- E. RFI Log: Prepare, maintain, and submit a tabular log of RFIS organized by the RFI number. Include RFI description, date submitted and date architect's response was received. Notify architect within five days if contractor disagrees with response.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF DIVISION 013100 - PROJECT MANAGEMENT AND COORDINATION

DIVISION 013200 - CONSTRUCTION PROGRESS DOCUMENTATION

PART 1 – GENERAL

1.01 SUMMARY

- A. Section includes administrative and procedural requirements for documenting the progress of construction during performance of the work, consisting of the contractor's construction schedule.

1.02 SUBMITTALS

- A. Contractor's Construction Schedule: Initial schedule, of size required to display entire schedule for entire construction period.

1.03 COORDINATION

- A. Coordinate contractor's construction schedule with the schedule of values, submittal schedule, progress reports, and payment requests coordinate each construction activity with other activities and schedule them in proper sequence.

PART 2 – PRODUCTS

2.01 CONTRACTOR'S CONSTRUCTION SCHEDULE, GENERAL

- A. Time Frame: Extend schedule from date established for the notice to proceed to date of substantial completion. Contract completion date shall not be changed by submission of a schedule that shows an early completion date, unless specifically authorized by change order.
- B. Activities: Separate area as a separate numbered activity for each main element of the work. Comply with the following: define activities so no activity is longer than 90 days. Include procurement process activities for long lead items and major items, requiring a cycle of more than 60 days, as separate activities in schedule. Procurement cycle activities include, submittals, approvals, purchasing, fabrication, and delivery.
- C. Milestones: Include milestones indicated in the contract documents in schedule, including, but not limited to, the notice to proceed, substantial completion, and final completion.

- D. Recovery Schedule: When periodic update indicates the work is 14 or more calendar days behind the current approved schedule, submit a separate recovery schedule indicating means by which contractor intends to regain compliance with the schedule.

2.02 CONTRACTOR'S CONSTRUCTION SCHEDULE (GANTT CHART)

- A. Gantt-chart Schedule: Submit a comprehensive, fully developed, horizontal, Gantt-chart-type, contractor's construction schedule within 7 days prior of date established for commencement of the work. Indicate each significant construction activity separately. Identify first workday of each week with a continuous vertical line. For construction activities that require more than three months to complete, indicate an estimated completion percentage in 10 percent increments within time bar.

PART 3 – EXECUTION

3.01 CONTRACTOR'S CONSTRUCTION SCHEDULE

- A. Contractor's Construction Schedule Updating: At monthly intervals, update schedule to reflect actual construction progress and activities. Issue schedule one week before each regularly scheduled progress meeting.
- B. Distribution: Distribute copies of approved schedule to architect owner, separate contractors, testing and inspecting agencies, and other parties identified by contractor with a need-to-know schedule responsibility.

END OF DIVISION 013200 - CONSTRUCTION PROGRESS DOCUMENTATION

DIVISION 014000 - QUALITY REQUIREMENTS

PART 1 - GENERAL

1.01 SUMMARY

- A. Section includes administrative and procedural requirements for quality assurance and quality control.
- B. Testing and inspecting services are required to verify compliance with requirements specified or indicated in the contract documents for specific test and inspection requirements. These services do not relieve contractor of responsibility for compliance with the contract document requirements.

1.02 CONFLICTING REQUIREMENTS

- A. Referenced Standards: If compliance with two or more standards is specified and the standards establish different or conflicting requirements for minimum quantities or quality levels, comply with the most stringent requirement. Refer conflicting requirements that are different, but apparently equal, to architect for a decision before proceeding.
- B. Minimum quantity or quality levels: the quantity or quality level shown or specified shall be the minimum provided or performed.

1.03 REPORTS AND DOCUMENTS

- A. Test and Inspection Reports: Prepare and submit certified written reports specified in other sections.

- B. **Manufacturer's Field Reports:** Prepare written information documenting tests and inspections specified in other sections.
- C. **Permits, Licenses, and Certificates:** For owner's records, submit copies of permits, licenses, certifications, inspection reports, notices, receipts for fee payments, judgments, correspondence, records, and similar documents, established for compliance with standards and regulations bearing on performance of the work.
- D. **Testing Agency Qualifications:** An independent agency with the experience to conduct testing and inspecting indicated, as documented according to ASTM E 329; and with additional qualifications specified in individual technical sections; and that is acceptable to authorities having jurisdiction.

1.04 QUALITY CONTROL

- A. **Owner Responsibilities:** Where quality-control services are indicated as owner's responsibility, owner will engage a qualified testing agency to perform these services.
- B. **Contractor Responsibilities:** Tests and inspections not explicitly assigned to the owner are contractor's responsibility. Perform additional quality-control activities required to verify that the work complies with requirements, whether specified or not.
- C. **Manufacturer's Field Services:** Where indicated, engage a manufacturer's representative to observe and inspect the work. Manufacturer's representative's services include examination of substrates and conditions, verification of materials, inspection of completed portions of the work, and submittal of written reports.
- D. **Re-testing/re-inspecting:** Regardless of whether original tests or inspections were contractor's responsibility, provide quality-control services, including retesting and re-inspecting, for construction that replaced work that failed to comply with the contract documents.
- E. **Associated Services:** Cooperate with agencies performing required tests, inspections, and similar quality-control services, and provide reasonable auxiliary services as requested. Notify agency sufficiently in advance of operations to permit assignment of personnel. Provide access to the work, and incidental labor and facilities necessary to facilitate tests and inspections.
- F. **Coordination:** Coordinate sequence of activities to accommodate required quality-assurance and control services with a minimum of delay and to avoid necessity of removing and replacing construction to accommodate testing and inspecting.

PART 2 - PRODUCTS (NOT USED)

PART 3 – EXECUTION

3.01 TEST AND INSPECTION LOG

- A. Test and inspection log: maintain a record at project site.

3.02 REPAIR AND PROTECTION

- A. **General:** On completion of testing, inspecting, sample taking, and similar services, repair damaged construction and restore substrates and finishes. Repair and protection are contractor's responsibility, regardless of the assignment of responsibility for quality-control services.

END OF DIVISION 014000 - QUALITY REQUIREMENTS

DIVISION 016000 - PRODUCT REQUIREMENTS

PART 1 – GENERAL

1.01 SUMMARY

- A. Section includes administrative and procedural requirements for selection of products for use in project; product delivery, storage, handling; manufacturers' standard warranties; special warranties; and comparable products.

1.02 DEFINITIONS

- A. Products: Items obtained for incorporating into the work, whether purchased for project or taken from previously purchased stock. The term "Product" includes the terms "Material," "Equipment," "System," and terms of similar intent.
 - 1. Named products: Items identified by manufacturer's product name, make or model number listed in manufacturer's published product literature that is current as of date of the contract documents.
 - 2. New products: Items that have not previously been incorporated into another project or facility. Products salvaged or recycled from other projects are not considered new products.
 - 3. Comparable product: product that is approved through the submittal process to have the indicated qualities related to type, function, dimension, performance, physical properties, appearance, and other characteristics that equal or exceed those of the specified product.
- B. Basis-of-design Product Specification: A specification in which a specific manufacturer's product is named, including make or model number or other designation, to establish the significant qualities related to type, function, dimension, performance, physical properties, appearance, and other characteristics for purposes of evaluating comparable products of additional manufacturers named in the specification.

1.03 SUBMITTALS

- A. Comparable Product Requests: Submit request for consideration of each comparable product. Identify product or fabrication or installation method to be replaced. Include specification section number and title and drawing numbers and titles.
- B. Basis-of-design Product Specification Submittal: Comply with requirements in division 01 section "Submittal Procedures." show compliance with requirements.

1.04 QUALITY ASSURANCE

- A. Compatibility of Options: If contractor is given option of selecting between two or more products for use on project, select product compatible with products previously selected, even if previously selected products were also options.

1.05 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, and handle products using means and methods that will prevent damage, deterioration, and loss, including theft and vandalism. Comply with manufacturer's written instructions. Schedule delivery to minimize long-term storage at project site and to ensure minimum holding time for items that are flammable, hazardous, easily damaged, or sensitive to deterioration. Deliver products to project site in an undamaged condition in manufacturer's original sealed containers, complete with labels and instructions for handling, storing, unpacking, protecting, and installing. Protect stored products from damage and liquids from freezing.

1.06 PRODUCT WARRANTIES

- A. Warranties shall be in addition to, and run concurrent with, other provisions of the contract documents. Manufacturer's disclaimers and limitations on product warranties do not relieve contractor of obligations under requirements of the contract documents.
- B. Special Warranties: Prepare a written document that contains appropriate terms and identification, ready for execution from Manufacturers.

PART 2 – PRODUCTS

2.01 PRODUCT SELECTION PROCEDURES

- A. General Product Requirements: Provide products that comply with the contract documents, are undamaged and, unless otherwise indicated, are new at time of installation. Provide products complete with accessories, trim, finish, fasteners, and other items needed for a complete installation and indicated use and effect.
 1. Product: Where specifications name a single manufacturer and product, provide the named product that complies with requirements. Comparable products or substitutions for contractor's convenience will not be considered. Where specifications include a list of names of both available manufacturers and products, provide one of the products listed, or an unnamed product, that complies with requirements.
 2. Basis-of-design Product: Where specifications name a product, or refer to a product indicated on drawings, and include a list of manufacturers, provide the specified or indicated product or a comparable product by one of the other named manufacturers. Drawings and specifications indicate sizes, profiles, dimensions, and other characteristics that are based on the product named.
 3. Visual Selection Specification: Where specifications include the phrase "as selected from manufacturer's full range" or similar phrase, select a product that complies with requirements. Architect will select color, gloss, pattern, density, or texture from manufacturer's product line that includes both standard and premium items.

2.02 COMPARABLE PRODUCTS & SUBSTITUTIONS

- A. Substitutions will be considered up to 5 calendar days prior to bid opening.
- B. Substitutions may be considered after contract award only when a product becomes unavailable through no fault of the contractor, or when the Owner deems it to be in the Owner's best interest to do so.
- C. Document each request with complete data substantiating compliance of proposed substitution with Contract Documents.

- D. A request constitutes a representation that the Bidder/Contractor:
1. Has investigated proposed product and determined that it meets or exceeds the quality level of the specified product.
 2. Will provide the same warranty for the Substitution as for the specified product.
 3. Will coordinate installation and make changes to other Work that may be required for the Work to be complete with no additional cost to Owner.
 4. Waives claims for additional costs or time extension that may subsequently become apparent.
 5. Will reimburse Owner for review or redesign services associated with re-approval by authorities.
- E. Substitutions will not be considered when they are indicated or implied on shop drawing or product data submittals, if they have not been previously approved.
- F. Substitution Submittal Procedure:
1. All substitution requests shall be accomplished by requesting substitution form from Engineer.
 2. Clearly indicate with red arrows on the supporting data the proposed substitution and accessories.
- G. Substitution Review Procedure: Engineer will review substitution requests prior to bid within the 10 days prior to bidding. The substitution request form will be required to be filled out. Only approved substitutions will be listed on addenda. All proposed substitutions not listed on addenda shall be considered by the submitter and the Contractor as non-acceptable substitution and shall not be used. Substitutions after bid submission by Contractor will be reviewed only as per item B above or a better quality item is requested for substitution on approval by Engineer.

PART 3 - EXECUTION (NOT USED)

END OF DIVISION 016000 - PRODUCT REQUIREMENTS

DIVISION 017839 - PROJECT RECORD DOCUMENTS

PART 1 – GENERAL

1.01 SUMMARY

- A. Section includes administrative and procedural requirements for project record documents, including record drawings and specifications.

1.02 SUBMITTALS

- A. Record drawings: Submit one complete paper-copy set of marked-up record prints.

PART 2 – PRODUCTS

2.01 RECORD DRAWINGS

- A. Record Prints: Maintain one set of marked-up paper copies of the contract drawings and shop drawings, incorporating new and revised drawings as modifications are issued. Mark record prints to show the actual installation where installation varies from that shown originally. Give particular attention to information on concealed elements that would be difficult to identify or measure and record later. Note construction change directive numbers, alternates, change order numbers, and similar identification, where applicable.

PART 3 – EXECUTION

3.01 RECORDING AND MAINTENANCE

- A. Recording: Maintain one copy of each submittal during the construction period for project record document purposes. Post changes and revisions to project record documents as they occur.
- B. Maintenance of Record Documents: Store record documents apart from the contract documents used for construction. Do not use project record documents for construction purposes. Maintain record documents in good order and in a clean, dry, legible condition, protected from deterioration and loss. Provide access to project record documents for architect's reference during normal working hours.

END OF DIVISION 017839 - PROJECT RECORD DOCUMENTS

DIVISION 024119 – SELECTIVE DEMOLITION

PART 1 – GENERAL

1.01 DESCRIPTION

- A. This section consists of furnishing all labor, materials and equipment necessary and incidental to selective demolition and removal of existing building structures as necessary for construction of infill of dock/ramp areas. Demolition is to include removal of all footings, foundations, slabs, etc. to facilitate installation of work as shown on the contract drawings and specifications. Location of structures are as shown on contract drawings or listed in these specifications. All associated items related to items listed, and miscellaneous items unless otherwise noted, shall be included in the work described in this section.

1.02 RELATED WORK

- A. Coordinate the work of this section with all other sections of the project-specific Specifications and the Contract Drawings.

1.03 FIELD CONDITIONS

- A. There are tenants occupying existing buildings and adjacent buildings during selective demolition work. Contractor shall conduct demolition operations in a manner that will not interfere with these tenants daily operations. There is public access adjacent to project work areas and the contractor shall conduct selective demolition operations to protect public from any harm.
- B. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
- C. Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.

1. If suspected hazardous materials are encountered, do not disturb; immediately notify the Port. Hazardous materials will be removed by the Port under a separate contract.

D. Utility Service: Maintain existing utilities and protect them against damage during selective demolition operations at adjacent building.

1.04 DEFINITIONS

A. OWNER: A designated representative of the Port of Pasco.

B. TENANT: An entity occupying specific buildings

C. OSHA: Occupational Safety and Health Administration

1.05 QUALITY ASSURANCE

A. Examination of Existing Conditions: The Contractor shall examine the conditions and locations of existing buildings, the requirements on how to handle removal and disposal of demolition materials.

B. Regulatory Requirements: Comply with State and Local Jurisdiction regulations and permitting processes prior to beginning removal of any demolished materials. Comply with hauling and disposal regulations of authorities having jurisdiction.

1.06 SCHEDULING AND SEQUENCING

A. The Contractor and the Owner shall develop a schedule of work sequence for building removal. The Owner may choose to alter the work sequence as they see fit.

B. The Contractor shall update the schedule and submit any schedule changes for review by the Owner.

1.05 PERMITTING

A. The Contractor shall comply with all State and Local Jurisdictions for permitting and disposal of materials. The Contractor shall be fully aware of all such requirements and ensure that all regulatory conditions are met, including those required of any Sub-contractors.

B. The Contractor is responsible for ensuring that all personnel performing work under this section shall be properly trained in accordance with all Federal, state and local regulations.

PART 2 – PRODUCTS

2.01 PERFORMANCE REQUIREMENTS

A. Regulatory Requirements: Comply with governing EPA, City of Pasco, etc. notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.

2.02 PROTECTIVE EQUIPMENT

A. Provide health and safety equipment required to protect workers and to comply with the Health and Safety Plan and OSHA requirements.

PART 3 – EXECUTION

3.01 EXAMINATION

- A. Verify utility locations before starting selective demolition operations.
- B. Review any record documents that may be provided by the Port of existing construction or utilities. Port does not guarantee that existing conditions are same as those indicated in record documents.
- C. Survey existing conditions and correlate with requirements indicated to determine extent of selective demolition required.

3.02 PREPARATION

- A. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, rails, public, and other adjacent occupied and used facilities.
- B. Temporary Facilities: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
 - 1. Provide protection to ensure safe passage of people around selective demolition area and to and from occupied portions of buildings, docks and decks.

3.03 SELECTIVE DEMOLITION, GENERAL

- A. General: Demolish and remove existing construction only to the extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:
 - 1. Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Use hand tools or small power tools designed for sawing or grinding, not hammering and chopping, to minimize disturbance of adjacent surfaces. Temporarily cover openings to remain.
 - 2. Dispose of demolished items and materials promptly.

3.04 DISPOSAL OF DEMOLISHED MATERIALS

- A. General: Remove demolished materials from Project site and legally dispose.
 - 1. Do not allow demolished materials to accumulate on-site.
 - 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
- B. Burning: Do not burn demolished materials.
- C. Disposal: Transport demolished materials off Owner's property and legally dispose of them.

END OF DIVISION 024119

DIVISION 033000 - CAST-IN-PLACE CONCRETE

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawing and general provisions of contract, including general conditions and supplemental conditions to the general conditions and Division 1 specification sections, apply to work of this section.

1.2 SECTION INCLUDES

- A. Reinforcing steel
- B. Concrete formwork, shoring and bracing
- C. Cast in place concrete

1.3 RELATED SECTIONS

- A. Coordinate the work of this section with all other sections of the project-specific Specifications and the Contract Drawings.

1.4 REFERENCES

- A. All references shall be the latest adopted edition unless noted otherwise.
- B. ACI 211.1 - Standard practice for selecting proportions for normal, heavyweight, and mass concrete; American Concrete Institute International.
- C. ACI 301 - Specifications for Structural Concrete for Buildings; American Concrete Institute International.
- D. ACI 302.1R - Guide for Concrete Floor and Slab Construction; American Concrete Institute International.
- E. ACI 304R - Guide for Measuring, Mixing, Transporting, and Placing Concrete; American Concrete Institute International.
- F. ACI 305R - Hot Weather Concreting; American Concrete Institute International.
- G. ACI 306R - Cold Weather Concreting; American Concrete Institute International.
- H. ACI 318 - Building Code Requirements for Reinforced Concrete and Commentary; American Concrete Institute International.
- I. ASTM C 33 - Standard Specification for Concrete Aggregates.
- J. ASTM C 94 - Standard Specification for Ready-Mixed Concrete.
- K. ASTM C 150 - Standard Specification for Portland Cement.
- L. ASTM C 260 - Standard Specification for Air-Entraining Admixtures for Concrete.

- M. ASTM C 1059 - Standard Specification for Latex Agents for Bonding Fresh to Hardened Concrete.
- N. ASTM C 1107 - Standard Specification for Packaged Dry, Hydraulic-Cement Grout (Non-shrink).
- O. ASTM D 1751 - Standard Specification for Preformed Expansion Joint Filler for Concrete Paving and Structural Construction (Non-extruding and Resilient Bituminous Types)

1.5 SUBMITTALS

- A. Product data; submit concrete design mix(s) from concrete supplier for each different design mix proposed along with historic testing lab reports on past projects.

1.6 QUALITY ASSURANCE

- A. Perform form work in accordance with ACI 347R, ACI 301, and ACI 318.
- B. Perform reinforcing steel installation in accordance with ACI 301.
- C. Perform concrete work in accordance with ACI 301 and ACI 318.
- D. Acquire cement from same source and aggregate from same source for entire project.
- E. Follow recommendations of ACI 305R when concreting during hot weather.
- F. Follow recommendations of ACI 306R when concreting during cold weather.

1.7 DESIGN RESPONSIBILITY-FORMWORK, BRACING & SHORING

- A. Contractor is responsible for designing and engineering the formwork along with the associated bracing and shoring to withstand all forces during construction.

PART 2 – PRODUCTS

2.1 WOOD FORM MATERIALS

- A. Form materials (except at concrete exposed to view): provide per ACI 347R at discretion of contractor.
- B. Form material for concrete exposed to view: APA rated B-B high density concrete form overlay plywood, Class I, conforming to PS 1.
 - 1. Plywood shall be new, or used once with face free of defects and nail holes filled.

2.2 FORMWORK ACCESSORIES

- A. Form Ties: Cone type snap ties designed to break off below face of wall after formwork is stripped, galvanized metal, fixed length, free of defects that could leave holes larger than 1 inch in concrete surface.
 - 1. Strength and spacing as required to resist fresh concrete placement and vibration loads.

- B. Shoring and Bracing: Provide materials/system designed by contractor to withstand all imposed construction forces.
- C. Form Release Agent: Colorless, non-staining, will not adversely affect surface coatings or waterproofing.
- D. Corners: Filleted, wood type; 3/4"x 3/4" inch size; maximum possible lengths.
- E. Nails, Spikes, Lag Bolts, Through Bolts, Anchorages: Sized as required, of sufficient strength and character to maintain formwork in place while placing concrete.

2.3 REINFORCEMENT

- A. Reinforcing Steel: As specified in general notes on structural drawings.
- B. Reinforcement Accessories:
 - 1. Tie wire: Annealed, minimum 16 gage.
 - 2. Chairs, Bolsters, Bar Supports, Spacers: Sized and shaped for adequate support of reinforcement during concrete placement.
 - a. Provide plastic or stainless steel chairs and accessories in walls where finish wall surface is exposed to view.
 - b. Provide stainless steel or plastic components for placement within 1-1/2 inches of weathering surfaces.
- C. Reinforcing Steel Fabrication:
 - 1. Fabricate concrete reinforcing in accordance with CRSI (DA4) - Manual of Standard Practice.
 - 2. Welding of reinforcement is permitted only with the specific approval of architect. Perform welding in accordance with AWS D14.

2.4 CONCRETE MATERIALS

- A. Concrete: As specified in general notes on drawings.

2.5 ADMIXTURES

- A. Admixtures: As specified in general notes on drawings.

2.6 CONCRETE ACCESSORIES

- A. Bonding Agent: ASTM C 1059, Type II Acrylic non-redispersable type.
- B. Non-shrink Grout: As specified in general notes on drawings.

2.7 JOINT DEVICES AND MATERIALS

- A. Waterstops: Composite benonite and butyl rubber waterstop; volclay waterstop-rx or approved.

2.8 CONCRETE MIX DESIGN

- A. Proportioning Normal Weight Concrete: Provide concrete mix design that will result in concrete as specified in the general notes on the drawings. Comply with ACI 211.1 recommendations.

2.9 MIXING

- A. Transit Mixers: Comply with ASTM C 94.

PART 3 – EXECUTION

3.1 COORDINATION

- A. Review, coordinate and accommodate work of other trades that interface with, affect or are affected by the work of this section so as to facilitate the execution of the overall work of this project in a coordinated and efficient manner.
- B. Coordinate and facilitate installation of embedded structural items with section 055000.
- C. Coordinate and adjust concrete mix and additives to comply with requirements of manufacturers of coatings, sealants and adhesives applied to concrete.

3.2 EXAMINATION

- A. Verify lines, levels, and dimensions before proceeding with work of this section.

3.3 FORMWORK – ERECTION

- A. Erect formwork, shoring and bracing to achieve design requirements, in accordance with requirements of ACI 301.
- B. Provide bracing to ensure the stability of formwork. Shore or strengthen formwork subject to overstressing by construction loads to provide support and limit deflection of formwork to specified criteria.
- C. Arrange and assemble formwork to permit dismantling and stripping. Do not damage concrete during stripping. Permit removal of remaining principal shores.
- D. Align joints and seal watertight with sealant or foam tape. Keep form joints to minimum.
- E. Obtain approval before framing openings in structural members that are not indicated on drawings.
- F. Coordinate this section with other sections of work that require attachment of components to formwork.

3.4 FORMWORK - FORM RELEASE AGENT

- A. Apply form release agent on formwork in accordance with manufacturer's recommendations.
 - 1. Protect reinforcing steel, inserts and bonding surfaces from application of any form release agent.

3.5 FORMWORK - INSERTS, EMBEDDED PARTS, AND OPENINGS

- A. Provide formed openings where required for items to be embedded in passing through concrete work.
- B. Locate and set in place items that will be cast directly into concrete.
- C. Coordinate with work of other sections in forming and placing openings, slots, reglets, recesses, sleeves, bolts, anchors, other inserts, and components of other work.
- D. Install accessories in accordance with manufacturer's instructions, so they are straight, level, and plumb. Ensure items are not disturbed during concrete placement.
- E. Install waterstops in accordance with manufacturer's instructions, so they are continuous without displacing reinforcement.

3.6 FORMWORK – CLEANING

- A. Clean forms as erection proceeds, to remove foreign matter within forms.
- B. Clean formed cavities of debris prior to placing concrete.
 1. Flush with water or use compressed air to remove remaining foreign matter. Ensure that water and debris drain to exterior through clean-out ports.
 2. During cold weather, remove ice and snow from within forms. Do not use de-icing salts. Do not use water to clean out forms, unless formwork and concrete construction proceed within heated enclosure. Use compressed air or other means to remove foreign matter.

3.7 FORMWORK – TOLERANCES

- A. Construct formwork to maintain tolerances required by ACI 301.

3.8 REINFORCEMENT – PLACEMENT

- A. Place, support and secure reinforcement against displacement. Do not deviate from required position.
- B. Accommodate placement of formed openings.
- C. Bend all tie wire back behind the line of rebar on weathering surfaces.
- D. Conform to applicable code for concrete cover over reinforcement.

3.9 CONCRETE – PREPARATION

- A. Verify that forms are clean and free of rust before applying release agent.
- B. Coordinate placement of joint devices with erection of concrete formwork and placement of form accessories.
- C. Prepare previously placed concrete by cleaning with steel brush and applying bonding agent in accordance with manufacturer's instructions.

3.10 CONCRETE – PLACEMENT

- A. Place concrete in accordance with ACI 304R, vibrate concrete thoroughly to eliminate voids, air pockets and rock pockets.
 - 1. Do not over-vibrate or use improper vibrations methods or equipment that result in "bug holes" on face of concrete exposed to view.
- B. Notify architect no less than 24 hours prior to commencement of placement operations.
- C. Ensure reinforcement, inserts, waterstops, embedded parts, and formed construction joint devices will not be disturbed during concrete placement.
- D. Maintain records of concrete placement. Record date, location, quantity, air temperature, and test samples taken.
- E. Do not interrupt successive placement; do not permit cold joints to occur.

3.11 CONCRETE – FINISHING

- A. Top of Footings & Foundation Walls: Float finish the top of concrete footings and foundation walls to a smooth, straight, level surface, free of vibrations of top elevation exceeding 1/4" in 10'-0".
- B. Repair surface defects, including tie holes, immediately after removing formwork.
- C. Unexposed Form Finish: Rub down or chip off fins or other raised areas 1/8 inch or more in height.
- D. Concrete finish where exposed to view:
 - 1. Rub down or chip off and smooth fins or other raised areas and grind smooth.
 - 2. Break open and expose shallow air pockets and "bug holes" that occur on face of concrete.
 - 3. Fill form tie holes, air pockets, "bug holes", voids, rock pockets and any uneven or irregular areas with cement grout matching concrete color.

3.12 CONCRETE - CURING AND PROTECTION

- A. Cure concrete in accordance with ACI 308; leave forms in place for as long as practicable after pouring concrete, apply spray applied non-staining curing compound compatible with grout cleaned surface finish and finish/coatings to be applied later (as applicable).
- B. Protect concrete for damage after forms are removed; do not damage surface of concrete during removal of forms.

3.13 FIELD QUALITY CONTROL

- A. Contractor Quality Control: Employ/assign quality control personnel to monitor the work of this section for conformance to the requirements of this section and to good construction practices.
 - 1. Contractor is solely responsible for managing and controlling the quality of the work and conformance with the requirements of this section.

3.14 RAILROAD TRACKS

- A. Railroad tracks are being used for deliveries of product to tenants. Contractor shall protect all tracks, ballast areas, walkways, etc. from damage through and during construction activities. All equipment and materials must be clear of tracks after daily shifts for BNSF deliveries in the evenings and early mornings.

END OF DIVISION 033000- CAST-IN-PLACE CONCRETE

DIVISION 033001 - CONCRETE FLOOR SLABS

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of contract, including general conditions and supplemental conditions to the general conditions and Division 1 Specification Sections, apply to work of this section.

1.2 SECTION INCLUDES

- A. Formwork, reinforcing, placement, finishing and curing for:
 - 1. Concrete slab on grade.

1.3 RELATED SECTIONS

- A. Coordinate the work of this section with all other sections of the project-specific Specifications and the Contract Drawings.

1.4 REFERENCES

- A. All references shall be the latest adopted edition unless noted otherwise.
- B. ACI 211.1 - Standard Practice for Selecting Proportions for Normal, Heavyweight, and Mass concrete; American Concrete Institute International.
- C. ACI 301 - Specifications for Structural Concrete for Buildings; American Concrete Institute International.
- D. ACI 302.1R - Guide for Concrete Floor and Slab Construction; American Concrete Institute International.
- E. ACI 304R - Guide for Measuring, Mixing, Transporting, and Placing Concrete; American Concrete Institute International.
- F. ACI 305R - Hot Weather Concreting; American Concrete Institute International.
- G. ACI 306R - Cold Weather Concreting; American Concrete Institute International.
- H. ACI 318 - Building Code Requirements for Reinforced Concrete and Commentary; American Concrete Institute International.

- I. ASTM C 33 - Standard Specification for Concrete Aggregates.
- J. ASTM C 94 - Standard Specification for Ready-mixed Concrete.
- K. ASTM C 150 -Standard Specification for Portland Cement.
- L. ASTM C 260 - Standard Specification for Air-entraining Admixtures for Concrete.
- M. ASTM C 1059 - Standard Specification for Latex Agents for Bonding Fresh to Hardened Concrete.
- N. ASTM C 1107 - Standard Specification for Packaged Dry, Hydraulic-cement Grout (non shrink).
- O. ASTM D 1751 - Standard Specification for Performed Expansion Joint Filler for Concrete Paving and Structural Construction (non-extruding and resilient bituminous types).

1.5 SUBMITTALS

- A. Product data: submit product data for the following:
 - 1. Concrete design mix(s) from concrete supplier for each different floor slab condition.
- B. Shop Drawings - Reinforcing Steel: Comply with requirements of ACI SP-66. Include bar schedules, shapes of bent bars, and location of splices.

1.6 QUALITY ASSURANCE

- A. Perform work of this section in accordance with ACI 301 and ACI 318.
- B. Acquire cement from same source and aggregate from same source for entire project.
- C. Follow recommendations of ACI 305R when concreting during hot weather.
- D. Follow recommendations of ACI 306R when concreting during cold weather.

1.7 CONTRACTOR RESPONSIBILITY

- A. Contractor is responsible for designing and engineering the formwork along with the associated bracing and shoring to withstand all imposed forces during construction.
- B. Contractor is responsible for coordinating and controlling the installation and protection of the entire concrete slab assembly including the capillary break, selection of concrete design mix conforming to design criteria, control of water added to concrete on the site, placement of concrete, slab finishing methods, slab curing methods and dry-out of the concrete slabs so as to achieve a crack-free slab with surface finish, vapor emission rate, moisture content and PH level required for and by the floor covering manufacturer(s) for successful application of their products.

1.8 PROJECT CONDITIONS

- A. Existing Improvements: Provide protection necessary to prevent damage to existing improvements not indicated for removal. Restore damaged improvements to their original condition.

PART 2 – PRODUCTS

2.1 FORWORK MATERIALS

- A. Form Materials (except at concrete exposed to view): Provide per ACI 347R at discretion of contractor.
- B. Form Material for Concrete Exposed to View: APA rated B-B high density concrete form overlay plywood, Class I, conforming to PS 1.
 - 1. Plywood shall be new, or used once with face free of defects and nail holes filled.
- C. Accessories:
 - 1. Form release agent: colorless, non-staining, will not adversely affect surface coatings or waterproofing.
 - 2. Nails, Spikes, Lag Bolts, Through Bolts, Anchorages: Sized as required, of sufficient strength and character to maintain formwork in place while placing concrete.

2.2 INSERTS & EMBEDS

- A. Inserts and Embeds: Steel or ductile iron, type and configuration suitable for intended load/connection and rated for intended load with generous margin of safety.

2.3 REINFORCEMENT

- A. Reinforcing Steel: As specified on general notes on drawings.
- B. Welded Wire Mesh: As specified on general notes on drawings.
- C. Reinforcement accessories:
 - 1. Tie Wire: Annealed, minimum 16 gage.
 - 2. Chairs, Bolsters, Bar Supports, Spacers: Sized and shaped for adequate support of reinforcement during concrete placement.
 - a. Provide stainless steel or plastic components for placement within 1-1/2 inches of weathering surface.
- D. Fabrication:
 - 1. Fabricate concrete reinforcing in accordance with CRSI (DA4) - manual of standard practice.
 - 2. Welding of reinforcement is permitted only with the specific approval of architect. Perform welding in accordance with AWS D1.4.
 - 3. Locate reinforcing splices not indicated on drawings at point of minimum stress.

2.4 CONCRETE MATERIALS

- A. Concrete: As specified in general notes on drawings. Provide High early strength concrete.

2.5 ADMIXTURES

- A. Admixtures: As specified in notes on drawings.
- B. Water-reducing Admixture: Provide water reducing, super-plasticizing admixture to concrete mix as required to maintain the water/cement ratio specified herein and allow for workability and slump required for proper placement and finishing of concrete slab.

2.6 CONCRETE MIX DESIGN

- A. Proportioning Normal Weight Concrete: Provide concrete mix design that will result in concrete as specified in the general notes on the structural drawings and this section. Comply with ACI 211.1 recommendations. Conform with the following special requirements:
 - 1. Special Requirements: In addition to the requirements of the general notes on the drawings, conform to the following:
 - a. Water/cement ratio: 0.40 or less
 - b. Concrete shall not contain high alkaline content aggregates that would prevent slab surface from achieving a PH of 9 or less after curing and dehydration.

2.7 MIXING

- A. Transit Mixers: Comply with ASTM C 94.

2.8 CONCRETE ACCESSORIES

- A. Control Joint: T-shaped vinyl control joint.
 - 1. W.R.Meadows Speed-E-Joint.
 - 2. Zip strip.
 - 3. Or similar
- B. Bonding Agent: ASTM C 1059, Type II acrylic non-redispersable type.
- C. Non-shrink Grout: As specified in general notes on drawings.

2.9 CURING MATERIALS

- A. General: Refer to curing schedule in Part 3 of this section.
- B. Type 1 Curing - Curing Sheet/Blanket: Select from the following as appropriate for conditions:
 - 1. Curing sheet consisting of white polyethylene sheet with water retaining polyester fabric or natural cellulose fiber backing.
 - a. PNA Hydracure S16.
 - b. MCTech Group Ultracure Sun, phone; (866) 913-8363.

2. Cold Weather Curing: Reinforced polyethylene sheet blanket filled with polypropylene foam insulation.
- C. Type 2 Curing: Liquid-type high solids, clear acrylic, copolymer curing compound, sealer, dustproofer and hardener conforming to ASTM C 1315; non water base v.o.c compliant:
1. EDOCO: Burke Spartan Cote 30% v.o.c. or approved.

2.10 REPAIR MATERIALS

- A. Repair Underlayment: Cement-based, polymer-modified, self-leveling product that can be applied in thicknesses from 1/8 inch and that can be feathered at edges to match adjacent floor elevations.
1. Cement Binder: ASTM C 150, Portland cement or hydraulic or blended hydraulic cement as defined in ASTM C 219.
 2. Primer: Product of underlayment manufacturer recommended for substrate, conditions, and application.
 3. Aggregate: Well-graded, washed gravel, 1/8 to 1/4 inch or coarse sand as recommended by underlayment manufacturer.
 4. Compressive Strength: Not less than 4100 psi at 28 days when tested according to ASTM C 109/C.

PART 3 – EXECUTION

3.1 COORDINATION

- A. Review, coordinate and accommodate work of other trades that interface with, affect or are affected by the work of this section so as to facilitate the execution of the overall work of this project in a coordinated and efficient manner.
- B. Coordinate and facilitate concrete slab construction to meet requirements of floor covering manufacturers.
- C. Coordinate and adjust concrete mix and additives to comply with requirements of manufacturers of coatings, sealants and adhesives applied to concrete.

3.2 EXAMINATION

- A. Verify lines, levels, and dimensions before proceeding with work of this section.

3.3 PREPARATION

- A. Verify that forms are clean and free of rust before applying release agent.
- B. Coordinate placement of joint devices with erection of concrete formwork and placement of form accessories.
- C. Prepare previously placed concrete by cleaning with steel brush and applying bonding agent in accordance with manufacturer's instructions.

- D. Utilize screed support system for slabs with underslab vapor retarder that does not penetrate or damage vapor retarder.

3.4 FORMWORK

- A. Edge forms:

1. Construct edge forms and bracing, for slabs on grade, metal floor decking and decks with waterproof membrane to achieve design requirements, in accordance with requirements of ACI 301.
2. Arrange and assemble forms to permit dismantling and stripping so as to avoid damage to concrete during stripping.
3. Apply form release agent on forms in accordance with manufacturer's recommendations.
 - a. Protect reinforcing steel, inserts and bonding surfaces from application of any form release agent.

- B. Screeds: Construct a rigid screed system to facilitate placement of concrete to a uniform flat plane; with uniform slope where shown or required for drainage.

1. Slabs with Underslab Vapor Retarder: Use screed support system that does not penetrate or damage the vapor retarder during concrete placement.

- C. Inserts, embedded part and openings

1. Provide formed openings where required for items to be embedded in passing through concrete work.
2. Locate and set in place items that will be cast directly into concrete.
3. Coordinate with work of other sections in forming and placing openings, slots, recesses, sleeves, bolts, anchors, other inserts, and components of other work.
4. Install accessories in accordance with manufacturer's instructions, so they are straight, level, and plumb. Ensure items are not disturbed during concrete placement.

- D. Install construction joint devices in coordination with floor slab pattern placement sequence. Set top to required elevations. Secure to resist movement by wet concrete.

3.5 REINFORCING STEEL PLACEMENT

- A. Place, support and secure reinforcement against displacement. Do not deviate from required position.
- B. Do not displace or damage underslab vapor retarder.
- C. Accommodate placement of formed openings.
- D. Conform to applicable code for concrete cover over reinforcement.

3.6 CONTROL OF CONCRETE SLAB CONSTRUCTION

- A. Coordinate and control the installation and protection of the entire concrete slab assembly (slabs on grade) including the capillary break, underslab vapor retarder, selection of concrete design mix, water added to concrete on the site, placement of concrete, slab finishing methods, slab curing methods and dry-out of the concrete slabs so as to achieve a crack-free slab and surface finish, vapor emission rate, moisture content and PH level required for and by the floor covering manufacturer(s) for successful application of their products.
- B. Select and provide the equipment and power/fuel required to dry out the floor slab to the required moisture content and vapor emission rate required for the successful installation of any floor covering or coating being applied.

3.7 TOLERANCES

- A. Floor Slab Surface Tolerances - Slabs scheduled to receive resilient flooring, carpeting or left bare and exposed to view: floor slabs shall be constructed to achieve the following tolerances when measured in accordance with ACI 302.1R:

- 1. Maximum variation of surface flatness for concrete floors: 3/16 inch in 10 feet.

3.8 CONSTRUCTION & CONTROL JOINTS

- A. Construction Joints: Construct full depth keyed form in configuration shown on drawings or as approved by architect.

- 1. Remove temporary forms carefully and protect exposed edge of concrete from damage.

- B. Tooled/scored Control Joints: Tooled joints made in wet concrete, with uniform appearance, straight and true, depth as follows:

- 2. Joints shall be straight and true.

- C. Sawcut Control Joints: Sawcut joints shall be made in concrete within 4 to 12 hours after concrete is finished, straight and true, depth and spacing in accordance with ACI Standards.

3.9 PLACING CONCRETE

- A. Place concrete in accordance with ACI 304R.
- B. Place concrete for floor slabs in accordance with ACI 302.1R.
- C. Notify architect not less than 24 hours or as agreed upon prior to commencement of placement operations.
- D. Ensure reinforcement, inserts, waterstops, embedded parts, and formed construction joint devices will not be disturbed during concrete placement.
- E. Maintain records of concrete placement. Record date, location, quantity, air temperature, and test samples taken.
- F. Place concrete continuously between predetermined expansion, control and construction joints.
- G. Do not interrupt successive placement; do not permit cold joints to occur.

- H. Place floor slabs with joint locations as shown on the drawings and approved by architect.
- I. Screed floors to a level flat plane, maintaining specified surface flatness.

3.10 FLOOR FINISHING

- A. General: Finish concrete floor surfaces with bull float, wood/magnesium hand floats and steel trowels in accordance with ACI 301 and ACI 302.1R.
 - 1. Do not sprinkle water on slab while finishing.
 - 2. Do not dust slab with cement powder while finishing.
- B. Rough Broom Finish – Floors not scheduled to receive floor coverings and interior concrete warehouse floors exposed to view: Rough broom finish, free of ripples or surface defects.

3.11 CURING SCHEDULE

- A. Curing schedule: cure floor slabs as noted:
 - 1. Slabs exposed to view: Type 2 curing.
- B. Cure concrete slabs in accordance with ACI 308 and the following to properly moisture cure the concrete and to reduce/eliminate uncontrolled shrinkage cracking.
- C. Type 2 liquid type curing/sealing compound:
 - a. Apply 2 separate coats of curing and sealing compound to concrete slabs as soon as final finishing operations are complete (immediately after surface water sheen has disappeared) in strict conformance with manufacturer's recommended installation instructions.
 - b. Apply uniformly at manufacturer's recommended application rate for uniform and complete coverage in continuous operation by power spray or roller.
 - c. Recoat areas subjected to heavy rainfall within 3 hours after initial application.
 - d. Maintain continuity of coating and repair damage during curing period.

3.12 FIELD QUALITY CONTROL

- A. Contractor Quality Control: Employ/assign quality control personnel to monitor the work of this section for conformance to the requirements of this section and to good construction practices.
 - 1. Contractor is solely responsible for managing and controlling the quality of the work and conformance with the requirements of this section.
 - 2. Contractor shall rely on his own testing, experience and skill in determining what means and methods to employ to achieve specified compacted density and other requirements of this section and not rely solely on test data from testing agency.

- B. Testing Agency: Owner will engage a qualified testing agency to inspect the work and perform field quality-control sampling/testing.
 - 1. Test data and reviews shall not be construed as acceptance of the work by the testing agency nor shall it relieve the contractor of his responsibility to replace no-conforming or failed work.
- C. Coordinate and schedule the work to accommodate inspections and tests of reinforcing steel and concrete construction as specified on the structural drawings.
- D. Provide testing agency free access to concrete operations at project site and cooperate with appointed firm.
 - 1. Submit proposed concrete mix design of each different type/class of concrete to testing agency for review prior to commencement of concrete operations.
 - 2. Provide testing agency with latest reviewed copies of reinforcing steel shop drawings.
- E. Tests of concrete and concrete materials may be performed at any time to ensure conformance with specified requirements.

3.13 RAILROAD TRACKS

- A. Railroad tracks are being used for deliveries of product to tenants. Contractor shall protect all tracks, ballast areas, walkways, etc. from damage through and during construction activities. All equipment and materials must be clear of tracks after daily shifts for BNSF deliveries in the evenings and early mornings.

END OF DIVISION 033001- CONCRETE FLOOR SLABS

DIVISION 036111 – NON-SHRINK GROUTS

PART 1 – GENERAL

1.1 SECTION INCLUDES

- A. Non-Shrink Grouts

1.2 RELATED WORK

- A. Coordinate the work of this section with all other sections of the project-specific Specifications and the Contract Drawings.

1.3 QUALITY ASSURANCE

- A. Inspection: The Engineer will inspect all materials before and/or after installation to ensure compliance with the Contract Documents.
- B. Containers: All non-shrink grouts and mortars shall be furnished and stored in the manufacturer's original containers.

PART 2 – PRODUCTS

2.1 MATERIALS

A. Non-Shrink Grouts and Mortars

1. Non-shrink grouts and mortars shall conform to the requirements of the Corps of Engineers specification CRD-C 588, Type 3.1, b or d. The grout or mortar shall have a minimum compressive strength of 3000 psi in 7 days when tested in accordance with AASHTO T 106 except that the cube molds shall remain intact with the top firmly attached throughout the curing period. The non-shrink grout or mortar shall have a minimum expansion of 0.0% after 7 days when tested in accordance with AASHTO T 160.

B. Contractor to come up with own mix design to accommodate project conditions to meet requirements for flowability for work conditions of design of project. Mix shall meet strength as per item A in previous paragraph.

PART 3 – EXECUTION

3.1 PREPARATION

A. All surfaces to receive non-shrink grout and mortar shall be cleaned of all oil, grease, dirt, and laitance down to sound concrete. Rust shall be removed from the underside of all plates and from all bolts or other embedment items by sanding or power brushing.

B. Where the concrete surface to receive the non-shrink grout or mortar is smooth, the surface shall be roughened with a small chipping hammer and then saturated with water prior to placing the grout or mortar.

3.2 FORMS

A. When required, forms shall be furnished and placed to confine the non-shrink grout. The forms shall be strong enough to resist buckling and tight enough to prevent leakage.

3.3 MIXING

A.. Mixing water shall be proportioned in accordance with the manufacturer's recommendations for the intended application. Use the stiffest mix possible consistent with placement methods.

B. Mixing shall be accomplished in water-tight containers following the manufacturer's recommendations.

3.4 POURING OR PUMPING GROUT

A. Grout shall be poured or pumped into position in such a manner as to avoid air pockets and to fill the entire void. When necessary, use rods or other tools to compact the grout and remove all voids.

3.5 PLACING MORTAR

A. Carefully place the mortar in such a manner to avoid air pockets and assure that the material is in complete contact with all surfaces. Unless otherwise specified, the finished surface shall be tooled smooth to match the adjacent area.

3.6 CURING

A. The non-shrink grout or mortar shall be cured for the time and in the manner recommended by the manufacturer.

END OF DIVISION 036111- NON-SHRINK GROUTS

DIVISION 312200- EXCAVATION

PART 1 – GENERAL

1.1 SECTION INCLUDES

- A. This section consists of furnishing all labor, materials and equipment necessary and incidental to excavation to complete site grading, site preparation, general and footing excavation as shown on the Contract Drawings. All associated excavation and miscellaneous items unless otherwise noted, is included in the work described in this section.

1.2 RELATED WORK

- A. Coordinate the work of this section with all other sections of the project-specific Specifications and the Contract Drawings.

1.3 REFERENCE STANDARDS

- A. Comply with provisions of all local, state and federal codes, specifications, standards and recommended practices, except as otherwise indicated and, in particular, of most recent English measurement edition and addenda thereto of the following:
- B. City of Pasco: Standard Specifications
- C. WSDOT Standard Specifications for Road, Bridge and Municipal Construction – 2014.
- D. WUTC Washington State Utilities and Transportation Commission.
- E. ASTM: American Society for Testing Materials
- F. Port of Pasco: Standard Specifications
- G. All references shall be the latest adopted edition unless noted otherwise.

1.4 SAFETY CONSIDERATIONS

- A. The Contractor is solely responsible for developing a safety plan to protect workers and the public from injury or harm conforming to all Local, State and Federal requirements and for executing and enforcing it on the Project site.
 - 1. It is not the intent of the Construction Documents to dictate any unsafe construction means or methods; Contractor shall determine means and methods of construction conforming to their safety plan as required to construct work shown on the Contract Documents.

PART 2 – PRODUCTS

2.1 MATERIALS

- A. General: Provide imported soil materials when suitable soil materials are not available from excavation.

PART 3 – EXECUTION

3.1 COORDINATION

- A. Review, coordinate and accommodate work of other Sections that interface with, affect or are affected by the work of this Section so as to facilitate the execution of the overall work of this project in a coordinated and efficient manner.

3.2 PREPARATION

- A. Locate and mark existing utilities as required.
- B. Schedule shutdown of existing utilities affected by earthwork operations as required.
- C. Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washout, and other hazards created by earthwork operations.
- D. Preparation of subgrade for earthwork operations including removal of vegetation, topsoil, debris, obstructions, and deleterious materials from ground surface.
- E. Protect and maintain erosion and sedimentation controls during earthwork operations and maintain dust control at all times.

3.3 EXCAVATION

- A. Excavate to elevations and dimensions required to accommodate the work.
- B. Protect subgrades from softening, undermining, washout, and damage by rain or water accumulation.
 1. Reroute surface water runoff away from excavated areas. Do not allow water to accumulate in excavations. Do not use excavated trenches as temporary drainage ditches.
 2. Install a dewatering system to keep subgrades dry and convey ground water away from excavations. Maintain until dewatering is no longer required.

3.4 GRADING

- A. General: Uniformly grade areas to a smooth surface free from irregular surface changes. Comply with compaction requirements and grade to cross sections, lines, and elevations indicated.
 1. Provide a smooth transition between adjacent existing grades and new grades.
 2. Cut out soft spots, as determined by the Engineer, fill low spots, and trim high spots to comply with required surface tolerances.
 3. Subgrade surface shall be graded smooth and free of low spots or ridges that would stop the flow of water or result in ponding.

3.5 BACKFILL

- B. Backfill: Fill areas with uniform thickness loose fill layers placed over the compacted subgrade or previous layer of fill and compact each layer to specified density.
1. Limit fill layer thickness to no more than the compaction equipment being utilized is capable of compacting to the specified density through the full depth of layer, but in no case shall fill layer exceed a maximum thickness of 6 inches.
 2. Utilize means and methods for compacting backfill that will not damage or displace the underlying utility or any structures while achieving specified density.
 3. Continuously monitor compaction effort to assure that specified density is being achieved over entire area of backfill area.
 4. Adjust fill layer thickness as required to achieve specified compacted density through the full depth or layer.
 5. Coordinate compaction monitoring with testing lab compaction test results.
 6. Take special precaution around utility and building structures to assure that compaction of backfill is achieved, adjust the type of compaction equipment and change type of backfill being placed to avoid areas that do not achieve the specified density and result in settlement.
 7. If wet weather or site conditions are anticipated or encountered, utilize backfill materials and means and methods that will permit placement and compaction of fill material to specified density.
- C. Coordinate backfilling to allow utilities testing and inspection.
- D. Fill voids with approved backfill materials while shoring and bracing, and as sheeting is removed.
- E. Place and compact final backfill material to final subgrade.

3.6 COMPACTION OF BACKFILL AND FILLS

- A. Preparation: Subgrade surface over which fill will be placed shall be free of any organic matter, vegetation, topsoil, debris, unsuitable soil materials, uncompactable soil, and deleterious materials from ground surface before placing fill.
1. Subgrade Approval: Do not place fill until Testing Agency has inspected and approved the subgrade.
- F. Place backfill materials to the following percentage of maximum density as determined by the ASTM D 1557 (Modified Proctor) test procedure.
1. Within the Bearing Plane* Under Building And Pavements: 95%
 - a. *The bearing plane is that area located directly beneath any building, structure or pavement or within a 1 to 1 slope away from the bottom outside edge of any foundation or pavement.
 2. Areas outside of building and pavement bearing plane: 90%

- G. Reduce the thickness of lifts as required to accommodate the limitations of the compaction equipment being used to achieve specified density.
- H. Protect utility line from damage during compaction.
- I. Failure to Achieve Compaction Density: Contractor shall remove and replace any backfill material that fails to meet the specified compaction density or that settles after project completion at their own expense.

3.7 DUST CONTROL

- A. Control and prevent the production of airborne dust due to wind or construction equipment traffic at all times during construction by watering the work area and site; comply with all local and State air quality regulations.
- B. Do not permit conditions on the site that would allow airborne dust resulting from the work of this project to drift onto adjacent properties.

3.8 BASE COURSES FOR PAVEMENTS

- A. Place base course on subgrades free of mud, frost, snow, or ice.
- B. On prepared subgrade, place base course under pavements as follows:
 1. Shape base course to required crown elevations and cross-slope grades.
 2. Place base course that exceeds 6 inches in compacted thickness in layers of equal thickness, with no compacted layer more than 6 inches thick or less than 3 inches thick.
 3. Compact base course at optimum moisture content to required grades, lines, cross sections, and thickness to not less than 95 percent of maximum dry unit weight according to ASTM D 1557.

3.9 FIELD QUALITY CONTROL

- A. Contractor Quality Control: Employ/assign quality control personnel to monitor the work of this section for conformance to the requirements of this section and to good construction practices.
 1. Contractor is solely responsible for managing and controlling the quality of the work and conformance with the requirements of this section.
 2. Contractor shall rely on his own testing, experience and skill in determining what means and methods to employ to achieve specified compacted density and other requirements of this section and not rely solely on test data from Testing Agency.

3.10 PROTECTION

- A. Protecting Subgrade and Graded Areas:
 1. Protect newly graded areas from damage due to traffic, freezing, and erosion.
 2. Protect newly exposed subgrade from damage due to water, traffic, freezing, and erosion. Plan work so that subgrade is not left open and exposed to wet weather and construction traffic.

3. Contractor is responsible for planning and overseeing the work so that exposed subgrade is protected from becoming soft, yielding or unsuitable after being exposed, requiring over-excavation and structural fill.
 4. Contractor is responsible for planning and overseeing the work so that excavated soil and stockpiles are protected from becoming wet and over optimum moisture content, requiring removal and replacement.
- B. Protect building and utility structures from damage or collapse due to operation of heavy compaction equipment in too close proximity. Use smaller lifts and hand operated compaction equipment around retaining walls and utility structures.
- C. Repair and reestablish grades to specified tolerances where completed or partially completed surfaces become eroded, rutted, settled, or where they lose compaction due to subsequent construction operations or weather conditions.
1. Scarify or remove and replace soil material to depth as required by Engineer; reshape and re-compact.
- D. Utilities: The Contractor shall protect private and public utilities from damage. Adequate provisions shall be made for maintaining all electrical, and other overhead or underground facilities encountered during construction. Structures which have been disturbed or damaged by the Contractor shall be satisfactorily restored, unless shown for demolition, upon completion of the work.
- E. Repair and/or replacement of damaged facilities shall be accomplished at the Contractor's expense.

3.11 CORRECTION OF SUBGRADE SETTLEMENT

- A. Where settlement of subgrade occurs at any time, remove and replace as follows:
1. Inform Port immediately of any settlement that appears on the site.
 2. Remove affected/failed pavement elements and underlying settled soil, as required until firm, dense and unyielding suitable soil is exposed, backfill with structural fill (or other material as required) and compact to specified density, and reconstruct removed pavement elements to match original construction.
 3. Restore appearances, quality, and condition of finished surfaces to match adjacent work, and eliminate evidence of restoration to the greatest extent possible.
 4. The cost for correction of settlement, including restoration of pavements, resulting from Contractor's failure to comply with the requirements of the Contract Documents or as required by Engineer shall be borne by the Contractor.

3.12 DISPOSAL OF SURPLUS AND WASTE MATERIALS

- A. Disposal: Remove surplus soil off site. Remove unsuitable waste material including soil, trash, and debris, and legally dispose of it off Port property.

3.13 RAILROAD TRACKS

- A. Railroad tracks are being used for deliveries of product to tenants. Contractor shall protect all tracks, ballast areas, walkways, etc. from damage through and during construction activities. All equipment and materials must be clear of tracks after daily shifts for BNSF deliveries in the evenings and early mornings.

END OF DIVISION 312200- EXCAVATION

Section 2:

Permits: The Port is not requiring permits for this project.

Section 3:

Disposal & Notification: Contractor shall be responsible for the disposal of all debris in a legal manner according to all applicable laws, codes and regulations. Notification of proper authorities for hazardous materials removal if required shall be the responsibility of the contractor. All fees associated with disposal of hazardous materials and general construction debris shall be included in Contractors scope of work.

Section 4:

Dust Control and Water: Contractor shall, at all times during the length of the contract, maintain proper dust control at the project sites. Non-potable water is available from the Port of Pasco at no charge to the Contractor from existing fire hydrants that are not painted blue.

Section 5:

Utilities: Contractor shall be responsible to coordinate with Port of Pasco and other local utility companies for the location of all utilities prior to construction.

Section 6:

Security: Contractor shall erect temporary construction fencing and barricades as determined by contractor to extent they determine necessary to secure the site during construction and maintain public safety. Materials shall be stored to protect nearby properties from wind-blown debris.

Section 7:

Health and Safety: The Contractor's attention is alerted to the strict enforcement and requirements of the "Occupational Safety and Health Act" (OSHA) and "The Washington Industrial Safety and Health Act of 1973" (WISHA), which apply to all operations within this contract. The Contractor shall comply with all provisions thereof and make such reports and maintain such records as the acts require. The Contractor shall prepare a project-specific health and safety plan in full compliance with OSHA and WISHA requirements. The Contractor shall be solely and completely responsible for conditions of the job site including safety of all persons and property during performance of the work. This requirement will apply continuously and not be limited to normal working hours.

Section 8:

Plans: The plans are for reference only. Dimensions are estimated and location details are general in nature.

Section 9:

Cleanup: Contractor shall leave the job site clean on a daily basis.

BID FORM

Small Works Contract

To: Port Of Pasco
1110 Osprey Pointe Blvd, Suite 201
P O Box 769
Pasco, WA 99301

Project: Big Pasco Industrial Center Concrete Dock & Ramp Repairs

Submitted By:

(Full Name)

(Address)

(City, State and Zip Code)

(Phone Number)

(Employment Security Dept. Number)

Offer: Furnish labor, equipment, and material, to complete "Big Pasco Industrial Center Concrete Dock & Ramp Repairs" according to the specifications and other descriptive documents, for the amount of (including Washington Sales Tax):

1	Base Bid	LS	\$
	WSST 8.9%	LS	\$
Total Base Bid Incl. WSST		(use numbers)	\$
		(use words)	dollars

Signature

Date

Print Name

(Contractor License Number)

Title: _____

If Corporation please affix Corporate Seal.

(Contractor UBI Number)

(Federal Employer ID Number)

CERTIFICATION OF COMPLIANCE WITH WAGE PAYMENT STATUS



Certification of Compliance with Wage Payment Statutes

The bidder hereby certifies that, within the three-year period immediately preceding the bid solicitation date (April 18, 2024), the bidder is not a “willful” violator, as defined in RCW 49.48.082, of any provision of chapters 49.46, 49.48, or 49.52 RCW, as determined by a final and binding citation and notice of assessment issued by the Department of Labor and Industries or through a civil judgment entered by a court of limited or general jurisdiction.

I certify under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct.

Bidder's Business Name

Signature of Authorized Official*

Printed Name

Title

Date

City

State

Check One:

Sole Proprietorship Partnership Joint Venture Corporation

State of Incorporation, or if not a corporation, State where business entity was formed:

If a co-partnership, give firm name under which business is transacted:

**** If a corporation, proposal must be executed in the corporate name by the president or vice-president (or any other corporate officer accompanied by evidence of authority to sign). If a co-partnership, proposal must be executed by a partner.***

Port of Pasco
BIDDERS'S CHECKLIST

The bidder's attention is especially called to the following forms which must be completed in full as required and submitted collectively as the bid proposal package:

- ___ 1. Proposal Form- The unit prices must be shown in the space provided. Show all unit prices in both words and figures when indicated.
- ___ 2. Bid Bond- Surety bond or Cashier's Check. The amount of the bid bond shall not be less than five percent (5%) of the total amount of the bid.
- ___ 3. Addenda- All Addenda shall be signed and included in sealed bid.
- ___ 4. Certification of Compliance with Wage Payment Status. Certification of Compliance with Wage Payment Status form shall be completed, signed and included in sealed bid.
- ___ 5. Sealed Envelope- Proposals shall be prepared on the standard proposal form attached. The proposal shall be placed in a sealed envelope marked in the lower left corner with "Proposal for *Job Name*". Please place name of company on front of envelope as well. See bidder instructions for further information.

The following forms shall be executed and submitted within ten (10) calendar days after Notice of Award.

- ___ 1. Contract- To be executed by the successful bidder.
- ___ 2. Payment and Performance Bonds- Separate performance and payment bonds shall be completed on Standard AIA bond forms by Contractor's Surety and submitted with Contractor executed Contracts.
- ___ 3. Certificate of Insurance- Contractor shall furnish Certificate of Insurance and all applicable Endorsements naming the Port of Pasco as additional insured on its Commercial General Liability and Automobile Liability Policies per General Instructions under Insurance in bid specifications Instructions to Bidders.
- ___ 4. Construction Schedule- To be submitted by Contractor prior to scheduled Pre-Construction meeting.
- ___ 5. Schedule of Values- To be submitted by Contractor with executed Contract.
- ___ 6. List of Subcontractors- To be submitted by Contractor with executed Contract.
- ___ 7. Contractor's W-9- To be submitted by Contractor with executed Contract.

The following shall be filed prior to Notice to Proceed.

- ___ 1. Statement of Intent to Pay Prevailing Wages- To be filed immediately by the Prime Contractor after Contract is awarded and before work begins and subsequently by all those providing labor on the project.

AGREEMENT

Agreement between Port of Pasco and Contractor

Small Works Contract

THIS AGREEMENT is made on the ____ day of ____, 2024 between the Port of Pasco (hereinafter “the Port”) and the contractor, XYZ, (hereinafter “the Contractor”), who in consideration of the mutual promises contained herein, agree as follows:

ARTICLE 1: The Work

1.1 The Contractor shall perform all the work required by the contract documents identified in Article 5 and by this reference incorporated herein, for the project entitled Big Pasco Industrial Center Concrete Dock & Ramp Repairs.

ARTICLE 2: Time of Commencement and Completion

2.1 The work to be performed under this contract shall commence not later than Notice to Proceed date and shall be completed not later than 75 calendar days following the date of commencement (hereinafter the “completion date”).

ARTICLE 3: Contract Sum

3.1 The Port will pay the Contractor, for the satisfactory performance of the work, a contract sum of _____ Dollars (\$_____), which includes applicable Washington State sales tax.

ARTICLE 4: Payment

4.1 Monthly progress payments will be made for invoices submitted by the first of the month. Invoices should reflect work completed to date and are subject to approval by the Engineer. Materials and equipment not incorporated in the Work, but delivered, suitably stored, and accompanied by documentation satisfactory to the Port will be paid at 75% of cost (with the balance being retainage until fully incorporated into the Work).

4.2 Upon final acceptance of the work by the Port, the Contractor shall submit a final invoice in the amount of 100% of the contract sum, plus 100% of the applicable Washington State sales tax.

4.3 The Port may withhold payment (or a portion thereof) otherwise due the Contractor on account of:

- A. defective work not remedied;
- B. claims filed;
- C. failure of the Contractor to make payment properly to subcontractors or for labor, materials or equipment;
- D. damages to another Contractor; or
- E. unsatisfactory performance of the work by the Contractor.

4.4 The acceptance of the final payment by the Contractor shall constitute a waiver of all claims, of whatever sort or nature, by the Contractor against the Port.

4.5 Unless withheld pursuant to paragraph 4.3, final payment to the Contractor shall be made upon occurrence of the following:

- A. The expiration of 45 days following the final acceptance of the project, and
- B. The receipt by the Port of the department of revenue certificate of payment of state excise taxes if contract is for a sum of \$35,000.00 or more, and
- C. Satisfaction of the Port that the claims of materialmen and laborers incurred in filing and processing such claims have been paid or provided for, and
- D. All requirements of RCW 39.12 relating to Prevailing Wage have been met.

4.6 Retainage of 5% will be withheld until the requirements in Section 4.5 hereinabove and RCW 60.28 are met when contractor elects to furnish a performance and payment bond for the project of \$150,000 or less. If contractor elects not to furnish a performance and payment bond on project of \$150,000 or less, retainage of 10% will be withheld until the requirements in Section 4.5 hereinabove and RCW 60.28 are met.

ARTICLE 5: The Contract Documents

5.1 The contract documents, which by this reference are incorporated herein, consist of those documents listed below specifically:

- A. This Agreement.
- B. Invitation for Bids, Addenda, Small Works Roster.
- C. General Conditions

- D. Specifications.
- E. Bid Form submitted by Bidder
- F. Drawings.
- G. Prevailing Wages Schedule.

5.2 The contract documents set forth above form the entire and integrated agreement between the Parties hereto, and supersede all prior negotiations, representation, or agreements, either written or oral. The contract may be amended or modified only by a written amendment to the contract signed by both parties or by a change order.

5.3 By his execution of the contract, the Contractor represents that he has visited the site of the work and familiarized himself with all conditions under which the work is to be performed.

5.4 The Contractor shall comply with all applicable Federal/State laws, City/County ordinances, and rules and regulations of all authorities having jurisdiction of project construction. Said laws will be deemed to be included the same as though written out in full.

ARTICLE 6: Owner

6.1 The Port of Pasco, as owner, shall issue all instructions to the Contractor through an authorized representative. The Port shall at all times have access to the work wherever it is in preparation or progress.

ARTICLE 7: Contractor

7.1 The Contractor shall be solely responsible for all construction means, methods, techniques, sequences and procedures, and for performing, scheduling and coordinating all portions of the work under the contract in a proper fashion and in strict compliance with all applicable codes, rules, regulations and laws.

7.2 Contractor shall carry on the Work in a safe manner, and shall comply with all applicable federal, state and local laws, regulations, standards, and recognized trade practices for the protection and safety of its employees and other persons about its Work, including without limitation those governing labor, safety, health, sanitation, and protection of the environment.

7.3 Contractor is solely responsible for protection and safety of its employees, for final selection of safety methods and means, and for

establishing, supervising, inspecting and enforcing its safety obligations in accord with this Agreement and applicable law.

7.4 Contractor shall defend, indemnify and hold the Port, its officers, officials, employees, engineer and volunteers harmless from any and all claims, injuries, damages, losses or suits including attorney fees, arising out of or resulting from the acts, errors or omissions of the Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them in performance of this Agreement, except for injuries and damages caused by the sole negligence of the Port. Should a court of competent jurisdiction determine that this Agreement is subject to RCW 4.24.115, then, in the event of liability for damages arising out of bodily injury to persons or damages to property caused by or resulting from the concurrent negligence of the Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them and the Port, its officers, officials, employees, engineer and volunteers, the Contractor's liability, including the duty and cost to defend, hereunder shall be only to the extent of the Contractor's negligence, or of any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them. It is further specifically and expressly understood that the indemnification provided herein constitutes the Contractor's waiver of immunity under Industrial Insurance, Title 51 RCW, solely for the purposes of this indemnification. This waiver has been mutually negotiated by the parties. The provisions of this section shall survive the expiration or termination of this Agreement.

7.5 Unless otherwise specifically noted, the Contractor shall provide and pay for all labor and materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services necessary for the proper execution and completion of the work.

7.6 The Contractor shall pay prevailing wages, all sales, consumer, use, and other similar taxes required by law, and shall secure and pay for all permits, fees, and licenses necessary for execution of the work.

7.7 The Contractor will warrant to the Port that all materials and equipment furnished under the contract will be new unless otherwise specified, and that all work will be of good quality, free from faults and defects and in conformance with the specifications. All work not so conforming to these standards may be considered defective. If required by the Port, the Contractor shall furnish satisfactory evidence as to the kind and

quality of materials and equipment. This warranty shall be in addition to and not in limitation of any other warranty or remedy afforded by law.

7.8 RCW 39.06.020 requires a public works contractor to verify responsibility criteria for each first tier subcontractor, and a subcontractor of any tier that hires other subcontractors must verify responsibility criteria for each of its subcontractors. Verification is to include that, at the time of subcontract execution, each subcontractor meets the responsibility criteria listed above and in RCW 39.04.350(1) and additionally – if applicable – possesses an electrical contractor license, plumbing contractor license or an elevator contractor license.

ARTICLE 8: Separate Contracts

8.1 The Port reserves the right to award other contracts in connection with other portions of the project.

ARTICLE 9: Time

9.1 All time limits stated in the contract documents are of the essence of the contract.

ARTICLE 10: Independent Contractor

10.1 Contractor represents, warrants and understands that it is an independent contractor and employing unit, duly licensed to perform the Work (including without limitation state contractor registration), subject to all applicable Social Security, Unemployment Compensation and Workers' Compensation statutes, and shall keep records and make reports and payments of all taxes or contributions required. Contractor agrees to indemnify, defend and hold Port harmless from any expenses or liability incurred under such statutes in connection with employees of Contractor.

10.2 If any Work hereunder is performed by principals of Contractor who are not covered by Workers' Compensation, the principals agree that they shall have no claim against Port or its insurers or its Workers' Compensation coverage in the event they are injured while performing such Work.

ARTICLE 11: Miscellaneous Provisions

11.1 This agreement is executed on the day first above written.

11.2 In the event of any dispute between Port and Contractor arising out of or relating to this Agreement, the prevailing party shall be entitled, whether or not a suit, action, or arbitration proceeding is instituted, to recover all costs incurred in connection with the dispute, including without limitation reasonable attorneys' and expert witness fees, whether at trial, on appeal or denial of any petition for review, or in connection with enforcement of any judgment.

11.3 This Agreement shall be interpreted in accordance with the laws and court rules of the State of Washington in effect on the date of execution of this Agreement. In the event any party deems it necessary to institute legal action or proceedings to ensure any right or obligation under this Agreement, the parties agree that such action shall be brought in a court of competent jurisdiction situated in Franklin County, Washington.

11.4 The Defend Trade Secrets Act provides that an individual may not be held criminally or civilly liable under any federal or state trade secret law for disclosure of a trade secret: (1) made in confidence to a government official, either directly or indirectly, or to an attorney, solely for the purpose of reporting or investigating a suspected violation of law; and/or (2) in a complaint or other document filed in a lawsuit or other proceeding, if such filing is made under seal. Additionally, an individual suing an employer for retaliation based on the reporting of a suspected violation of law may disclose a trade secret to his or her attorney and use the trade secret information in the court proceeding, so long as any document containing the trade secret is filed under seal and the individual does not disclose the trade secret except pursuant to court order.

PORT OF PASCO:

CONTRACTOR: XYZ

By: _____

By: _____

Title: _____

Title: _____

By: _____

By: _____

Title: _____

Title: _____

Washington State Contractors License No.:

PREVAILING WAGES

DRAWINGS

PORT OF PASCO

BIG PASCO INDUSTRIAL CENTER

CONCRETE DOCK & RAMP REPAIRS

VARIOUS LOCATIONS

PASCO, WA

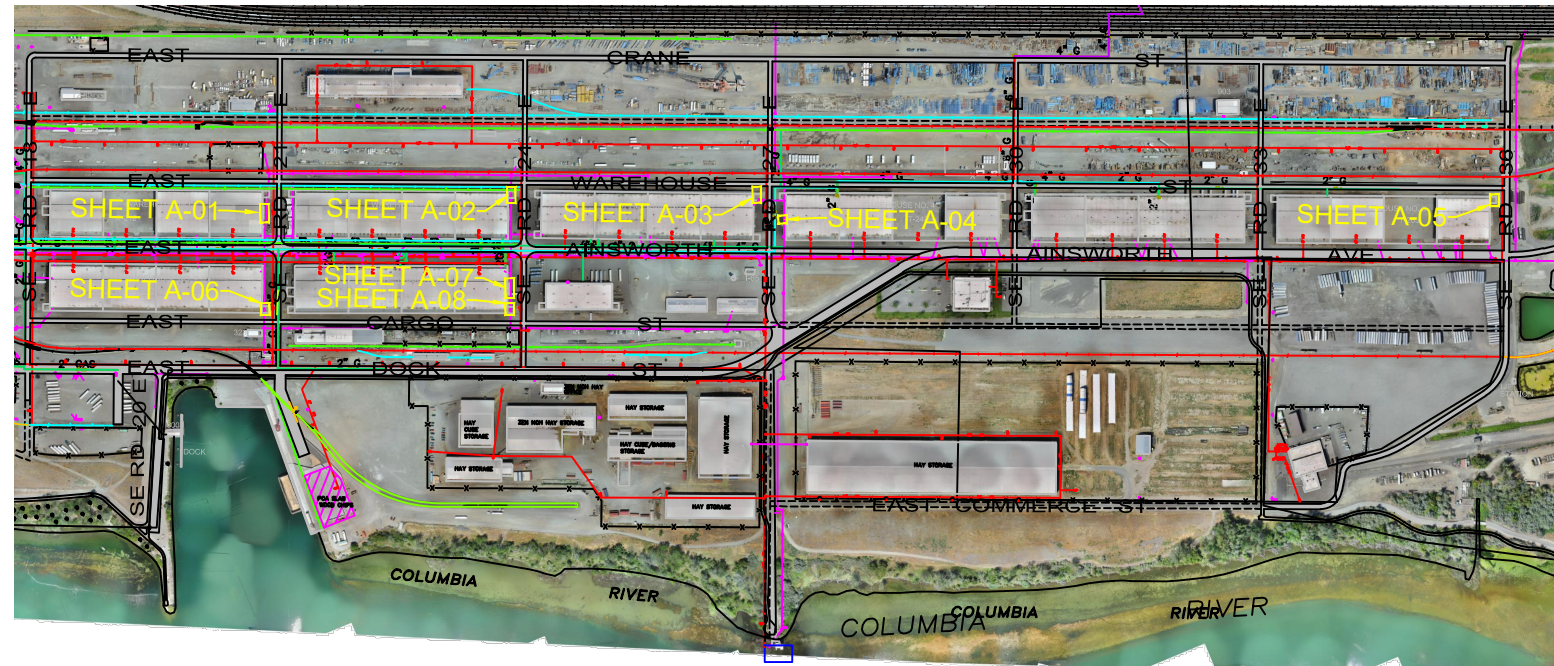
SHEET NO. TITLE

- G-01 PROJECT LOCATION & INDEX
- G-02 GENERAL NOTES
- G-03 LEGEND, ABBREVIATIONS, & GENERAL SYMBOLOGY
- PH-01 PHOTOGRAPHS
- PH-02 PHOTOGRAPHS

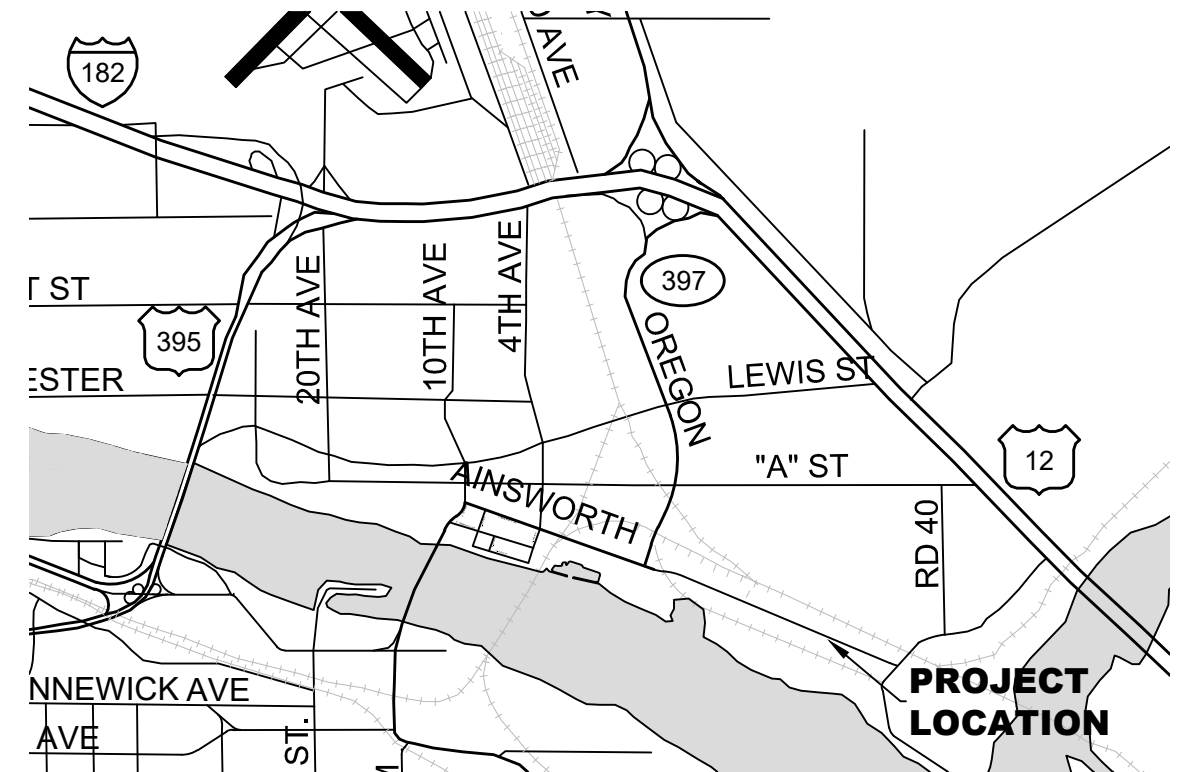
DRAWINGS

- A-01 PLAN VIEW, SECTION, ELEVATION, DETAILS WH1B4
- A-02 PLAN VIEW, SECTION, ELEVATION, DETAILS WH2B4
- A-03 PLAN VIEW, SECTION, ELEVATION, DETAILS WH3B4
- A-04 PLAN VIEW, SECTION, ELEVATION, DETAILS WH4B1
- A-05 PLAN VIEW, SECTION, ELEVATION, DETAILS WH6B4
- A-06 PLAN VIEW, SECTION, ELEVATION, DETAILS WH7B4
- A-07 PLAN VIEW, SECTION, ELEVATION, DETAILS WH8B4
- A-08 PLAN VIEW, SECTION, ELEVATION, DETAILS WH8B4
- S-01 STRUCTURAL DETAILS
- S-02 STRUCTURAL DETAILS
- S-03 STRUCTURAL DETAILS
- S-04 STRUCTURAL DETAILS
- S-05 STRUCTURAL DETAILS

SHEET INDEX



SITE PLAN

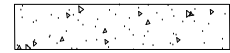

















PROJECT VICINITY MAP

<p>1110 Osprey Pointe Blvd Suite 201 Pasco, WA 99301</p> <p>P: 509.547.3378 F: 509.547.2547 www.portofpasco.org</p>	<p>PORT OF PASCO</p> <p>BPIC-CONCRETE DOCK AND RAMP REPAIRS VARIOUS LOCATIONS</p> <p>PASCO, WA</p>	<p>APPROVAL</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">DRAWN</td> <td style="font-size: 8px;">TF</td> <td style="font-size: 8px;">3/13/24</td> </tr> <tr> <td style="font-size: 8px;">DESIGN</td> <td></td> <td></td> </tr> <tr> <td style="font-size: 8px;">CHECKED</td> <td></td> <td></td> </tr> <tr> <td style="font-size: 8px;">APPROVED</td> <td></td> <td></td> </tr> </table>	DRAWN	TF	3/13/24	DESIGN			CHECKED			APPROVED			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="font-size: 8px;">No.</th> <th style="font-size: 8px;">REVISIONS</th> <th style="font-size: 8px;">DATE</th> <th style="font-size: 8px;">DRWN</th> <th style="font-size: 8px;">CHKD</th> <th style="font-size: 8px;">DESIGN</th> <th style="font-size: 8px;">APPD</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	No.	REVISIONS	DATE	DRWN	CHKD	DESIGN	APPD																						<p>DWG. No.</p> <h2 style="font-size: 24px; margin: 0;">G-01</h2>
	DRAWN	TF	3/13/24																																									
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No.	REVISIONS	DATE	DRWN	CHKD	DESIGN	APPD																																						
	<p>PROJECT LOCATION AND INDEX</p>			SCALE: AS NOTED	CADFILE: 24-02 G-01	JOB No. 24-02	REV. 0																																					

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LEGEND

-  EXISTING CONCRETE DOCK
-  GAS (SIZE WILL BE INDICATED ON DRAWINGS)
-  TELEPHONE
-  SANITARY SEWER
-  STORM DRAIN
-  OVERHEAD POWER
-  UNDERGROUND POWER
-  WATER LINE
-  FIRE WATER LINE
-  EXIST. POWER POLE W/ GUY WIRE
-  EXISTING TELEPHONE RISER
-  EXISTING UTILITY POLE
-  LIGHT POLE
- TR409 INDUSTRY TRACK NUMBERS
-  WATER VALVE
-  KEYNOTES
-  EXISTING SANITARY SEWER MANHOLE

- @ AT
- APPROX. APPROXIMATELY OR APPROXIMATE
- ASPH. ASPHALT
- AVE AVENUE
- BNSF BNSF RAILWAY
- BVC BEGINNING OF VERTICAL CURVE
- CSG. CASING
- CL CENTER LINE
- C- CURVE
- CO CLEAN OUT
- CP CLEAR POINT
- CONC. CONCRETE
- CONST. CONSTRUCTION
- CSBC CRUSHED SURFACING BASE COURSE
- CSTC CRUSHED SURFACING TOP COURSE
- DIA. DIAMETER
- DGFITP DESIGN GUIDELINES FOR INDUSTRIAL TRACK PROJECTS
- DWG DRAWING
- EL. ELEVATION
- EVC END OF VERTICAL CURVE
- ELEV. ELEVATION
- (E) EXISTING
- EXIST. EXISTING
- FH FIRE HYDRANT
- GND GROUND
- HP HIGH POINT
- HT HAND THROW
- IE INVERT ELEVATION
- L LENGTH
- L.A. LINEAR FEET
- LH LEFT HAND
- LP LOW POINT
- LT. LEFT
- MH MANHOLE
- MIN. MINIMUM
- N.T.S. NOT TO SCALE
- NO. NUMBER
- O.C. ON CENTER
- OHP OVERHEAD POWER
- O/S OFFSET FROM CENTERLINE
- P.I. POINT OF HORIZONTAL INTERSECTION
- P.S.W. POINT OF SWITCH
- PP POWER POLE (UTILITY POLE)
- PVI POINT OF VERTICAL INTERSECTION
- R RADIUS
- RD ROAD
- REQ'D REQUIRED
- RH RIGHT HAND
- ROW RIGHT OF WAY
- RT RIGHT
- SSMH SANITARY MANHOLE
- STA. STATION
- T TANGENT
- T.F. TRACK FEET
- T.O. TURNOUT
- T.O.A. TOP OF ASPHALT
- T/R TOP OF RAIL
- TRK. TRACK
- TYP. TYPICAL
- VC VERTICAL CURVE
- W/ WITH
- WV WATER VALVE
- XING GRADE CROSSING

LEGEND

ABBREVIATIONS



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PORT OF PASCO
BPIC-CONCRETE DOCK AND RAMP REPAIRS VARIOUS LOCATIONS
PASCO, WA

LEGEND, ABBREVIATIONS, AND GENERAL SYMBOLOGY

APPROVAL		
DRAWN	TF	3/13/24
DESIGNED		
CHECKED		
APPROVED		

No.	REVISIONS	DATE	DRWN	CHKD	DESIGN	APPD

DWG. No.
G-03

SCALE: AS NOTED

CADFILE: 24-02 G-03

JOB No. 24-02	REV. 0
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WH1B4 EXIST. CONDITION



WH1B4 EXIST. CONDITION.



WH1B4 EXIST. CONDITION OTHERSIDE OF DOCK.



WH2B4 EXIST. CONDITION



WH2B4 EXIST. EDGE



WH2B4 CONDITION UNDER RAMP EDGE



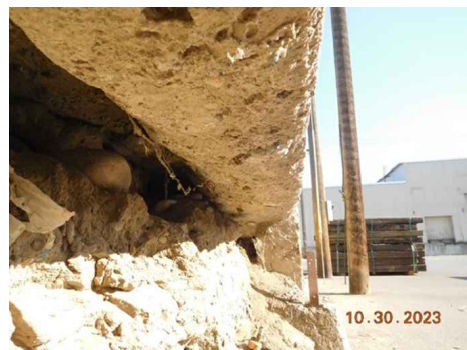
WH3B4



WH3B4



WH3B4 UNDERSIDE OF EDGE OF RAMP



WH3B4 UNDERSIDE OF EDGE OF RAMP



WH3B4 UNDERSIDE EDGE OF RAMP AT WH WALL.



WH4B1 END OF DOCK EXIST. CONDITIONS.



WH4B1 END OF DOCK EXIST. CONDITIONS.



WH4B1 RAMP SLAB UNDERSIDE CONDITIONS.



WH4B1 RAMP SLAB AT WH WALL.



WH4B1



WH6B4 SOUTH SIDE



WH6B4 LOOKING UNDER SLAB EDGE AT WALL



WH6B4 AT SLAB EDGE



WH7B4 SOUTH RAMP AT NORTH SIDE



WH7B4 EXIST. CONDITIONS



WH7B4 RAMP SLAB AT WH WALL.

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PHOTOGRAPHS-ALL BUILDING LOCATIONS

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APPROVED		

No.	REVISIONS	DATE	DRWN	CHKD	DESIGN	APPD

DWG. No.	PH-01
SCALE:	NOTED
CADFILE:	24-02 PH-01
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REV.	0



WH8B4 NORTH SIDE OF MIDDLE DOCK EXIST. CONDITION. STAIRS WILL BE REMOVED BY PORT.



WH8B4 EXIST. CONDITION. NORTH SIDE OF DOCK. STAIRS WILL BE REMOVED BY PORT.



WH8B4 EXIST. CONDITION NORTH SID UNDERSIDE OF DOCK SLAB.



WH8B4 EXIST. CONDITION NORTHSIDE UNDER DOCK SLAB.



WH8B4 EXIST. SLAB EDGE NORTHSIDE.



WH8B4 EXIST. CONDITION SOUTHSIDE.



WH8B4 EXIST. CONDITIONS SOUTHSIDE OF DOCK.



WH8B4 EXIST. SLAB EDGE AT SOUTHSIDE.



WH8B4 DOCK SLAB AT WH WALL SOUTHSIDE.



WH8B4 NORTHSIDE OF SOUTH RAMP EXIST. CONDITIONS.



WH8B4 UNDERSIDE EDGE OF RAMP.



WH8B4 UNDERSIDE EDGE OF RAMP.

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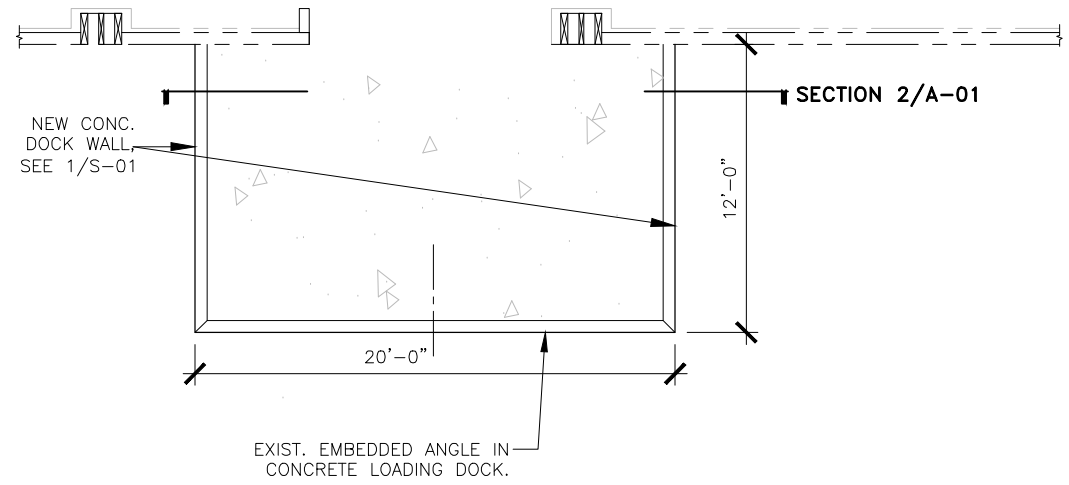
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BPIC-CONCRETE DOCK AND RAMP REPAIRS VARIOUS LOCATIONS
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PHOTOGRAPHS-ALL BUILDING LOCATIONS

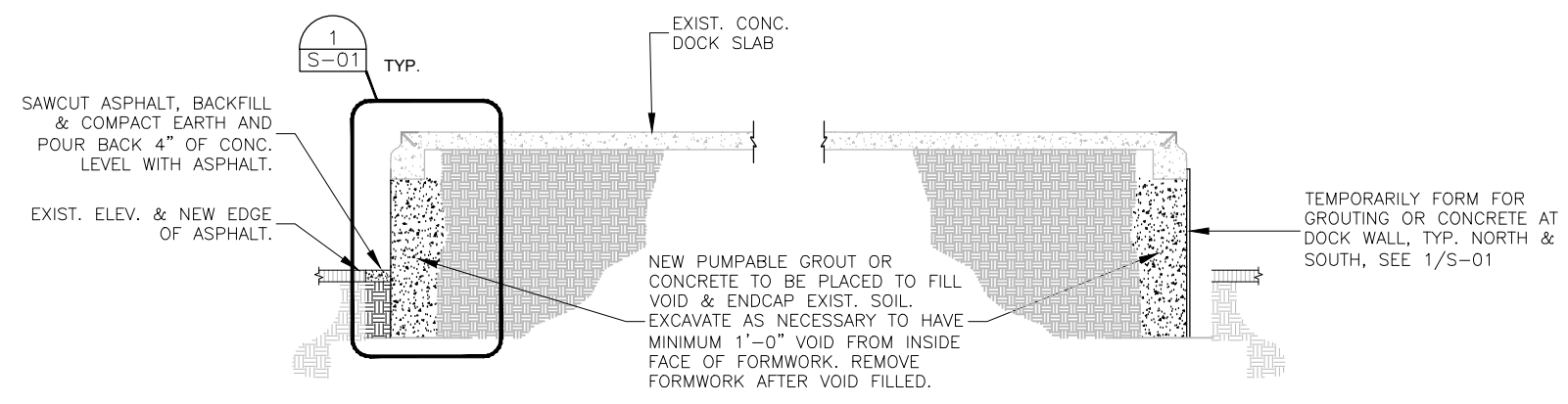
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No.	REVISIONS	DATE	DRWN	CHKD	DESIGN	APPD

DWG. No.	PH-02
SCALE:	NOTED
CADFILE:	24-02 PH-02
JOB No.	24-02
REV.	0



1 PLAN VIEW WH1B4
1/8"=1'-0"



2 SECTION WH1B4 DOCK WALLS
3/16"=1'-0"

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PORT OF PASCO
BPIC-CONCRETE DOCK AND RAMP REPAIRS VARIOUS LOCATIONS
PASCO, WA

WAREHOUSE 1 BAY 4 NORTH & SOUTH ENDS DOCK WALL REPAIRS

APPROVAL		
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DESIGN		
CHECKED		
APPROVED		

No.	REVISIONS	DATE	DRWN	CHKD	DESIGN	APPD

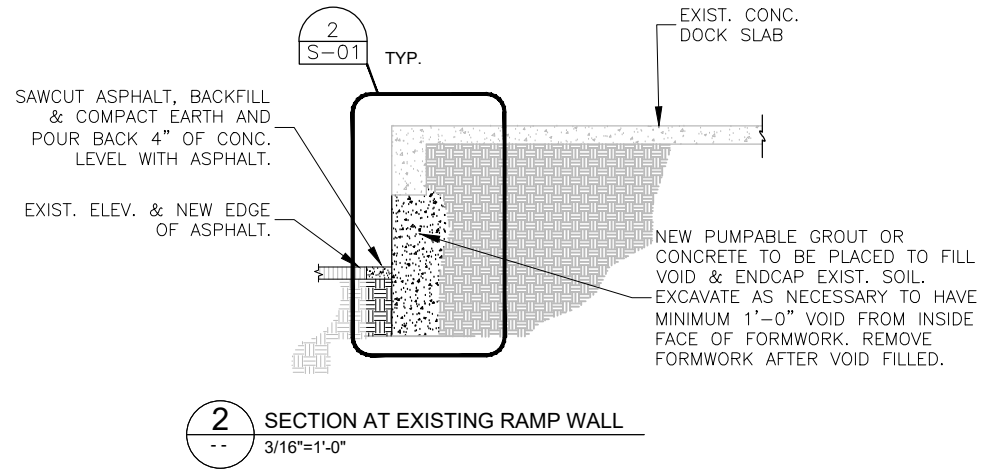
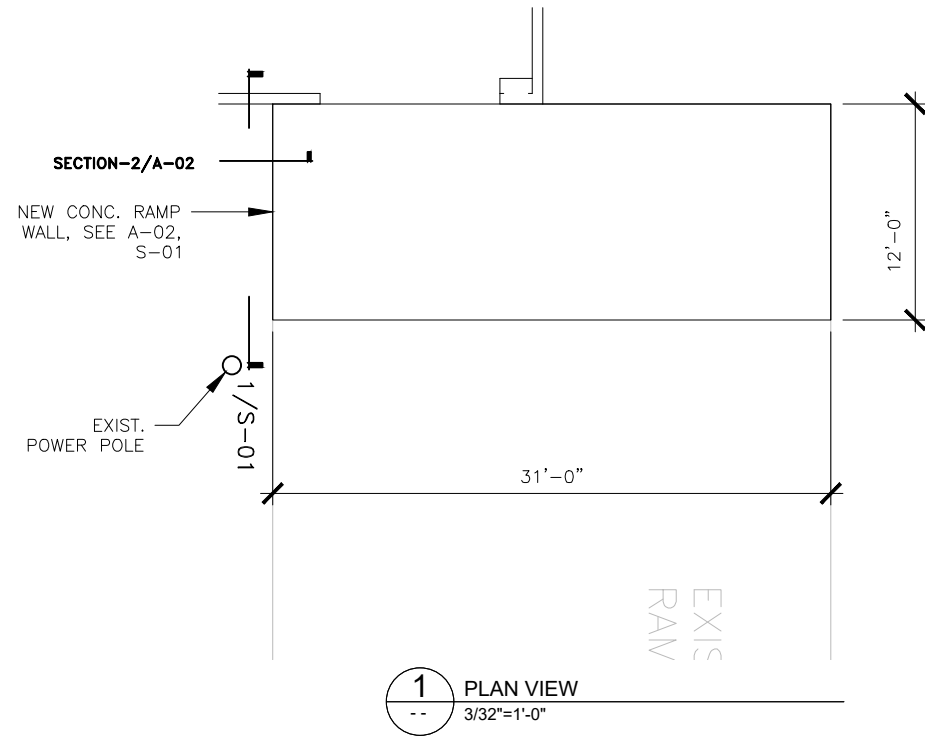
DWG. No.
A-01


SCALE: AS NOTED

CADFILE: 24-02 A-01

JOB No. 24-02	REV. 0
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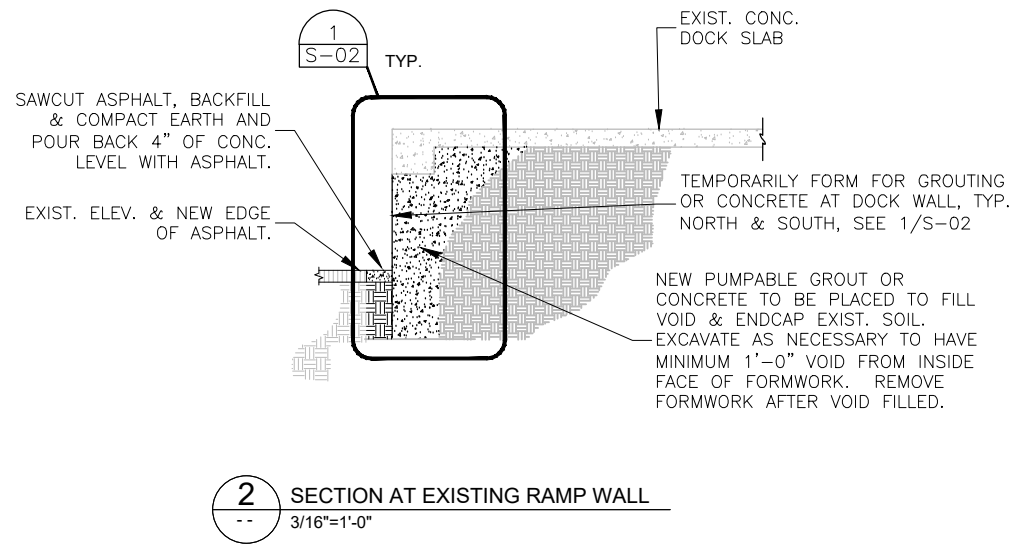
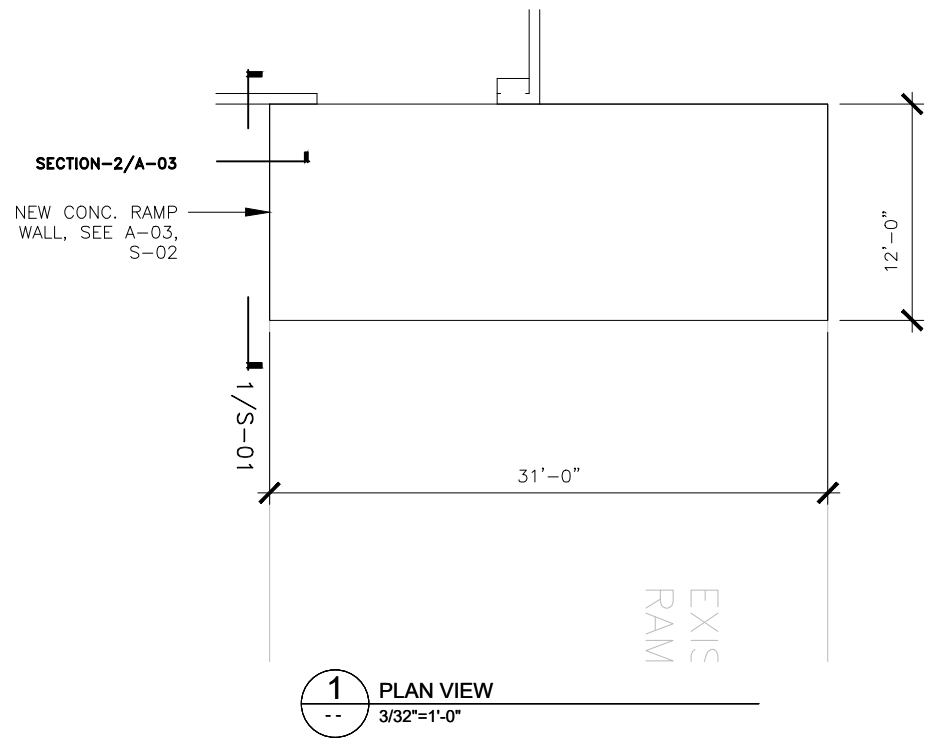
WAREHOUSE 2 BAY 4 NORTH SIDE RAMP REPAIRS

APPROVAL		
DRAWN	TF	3/13/24
DESIGN		
CHECKED		
APPROVED		

No.	REVISIONS	DATE	DRWN	CHKD	DESIGN	APPD

DWG. No.	A-02
SCALE:	AS NOTED
CADFILE:	24-02 A-02
JOB No.	24-02
REV.	0

F:\USERS\friss\Documents\All Files\Projects\Projects 2024\24-02 BPIC Concrete dock, ramp repairs\24-02 Dwg\24-02 A-03.dwg - Mar 15, 2024 2:09:20 pm - Tracy S. Frisz



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BPIC-CONCRETE DOCK AND RAMP REPAIRS VARIOUS LOCATIONS
PASCO, WA

WAREHOUSE 3 BAY 4 NORTH SIDE RAMP REPAIRS

APPROVAL		
DRAWN	TF	3/13/24
DESIGN		
CHECKED		
APPROVED		

No.	REVISIONS	DATE	DRWN	CHKD	DESIGN	APPD

DWG. No. **A-03**

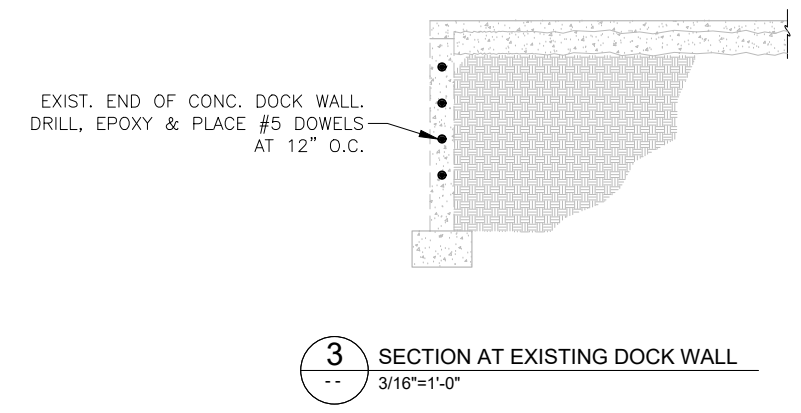
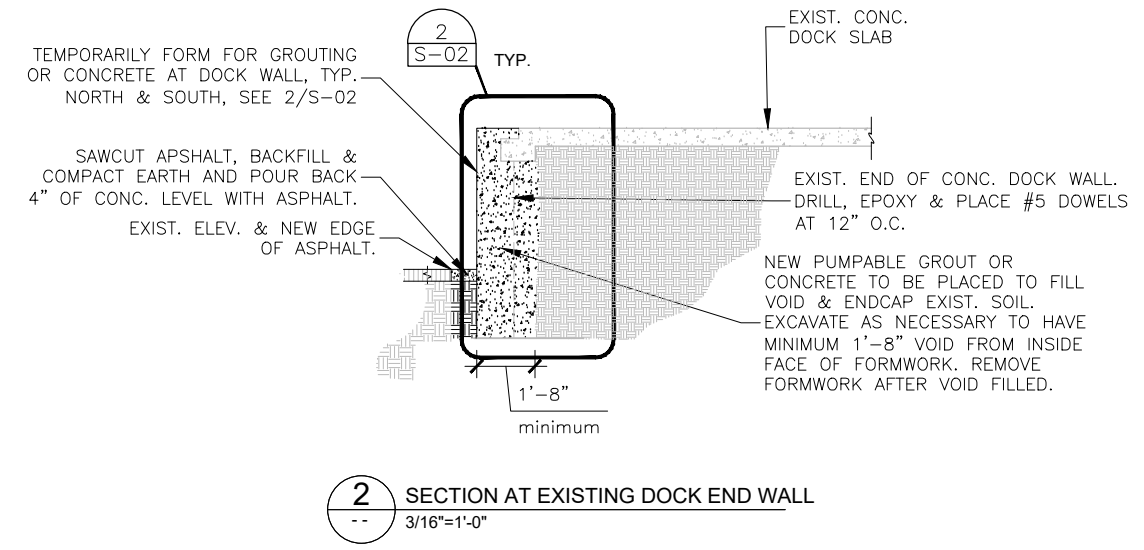
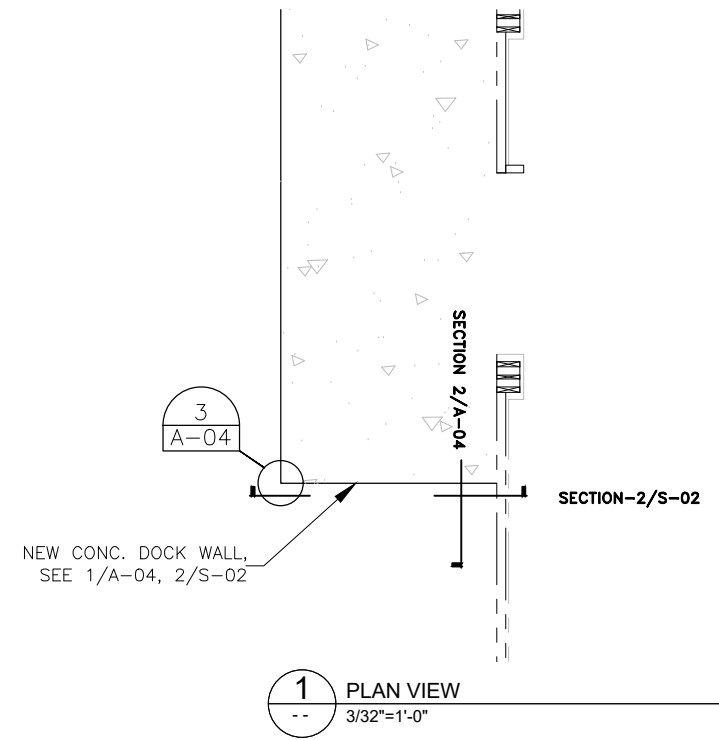
SCALE: AS NOTED

CADFILE: 24-02 A-03

JOB No. 24-02

REV. **0**

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PORT OF PASCO
BPC-CONCRETE DOCK AND RAMP REPAIRS VARIOUS LOCATIONS
PASCO, WA

WAREHOUSE 4 BAY 1 SOUTH SIDE DOCK REPAIRS

APPROVAL		
DRAWN	TF	3/13/24
DESIGN		
CHECKED		
APPROVED		

No.	REVISIONS	DATE	DRWN	CHKD	DESIGN	APPD

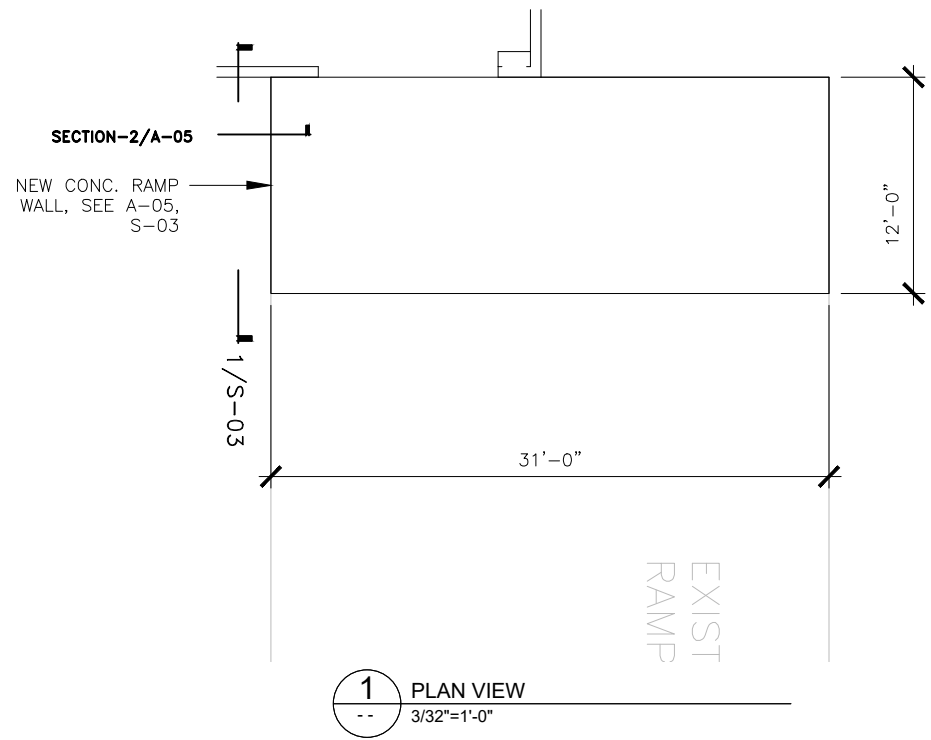
DWG. No.
A-04

SCALE: AS NOTED

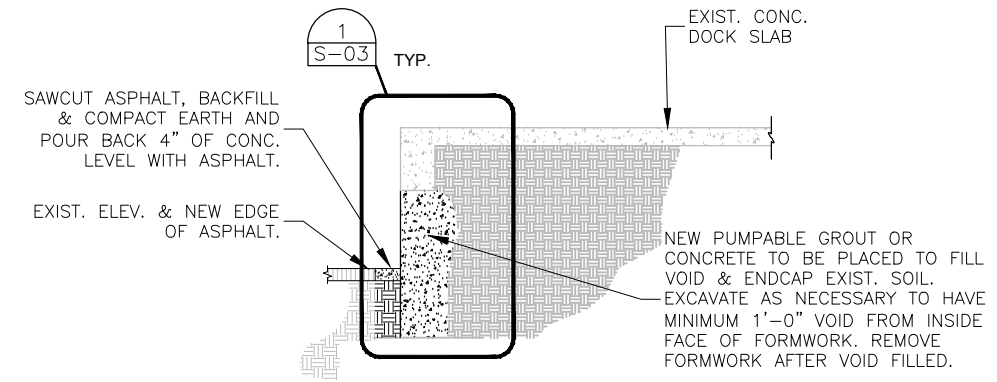
CADFILE: 24-02 A-04

JOB No. 24-02	REV. 0
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1 PLAN VIEW
3/32"=1'-0"



2 SECTION AT EXISTING RAMP WALL
3/16"=1'-0"

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PORT OF PASCO
BPIC-CONCRETE DOCK AND RAMP REPAIRS VARIOUS LOCATIONS
PASCO, WA

WAREHOUSE 6 BAY 4 SOUTH SIDE OF NORTH RAMP REPAIRS

APPROVAL		
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DESIGN		
CHECKED		
APPROVED		

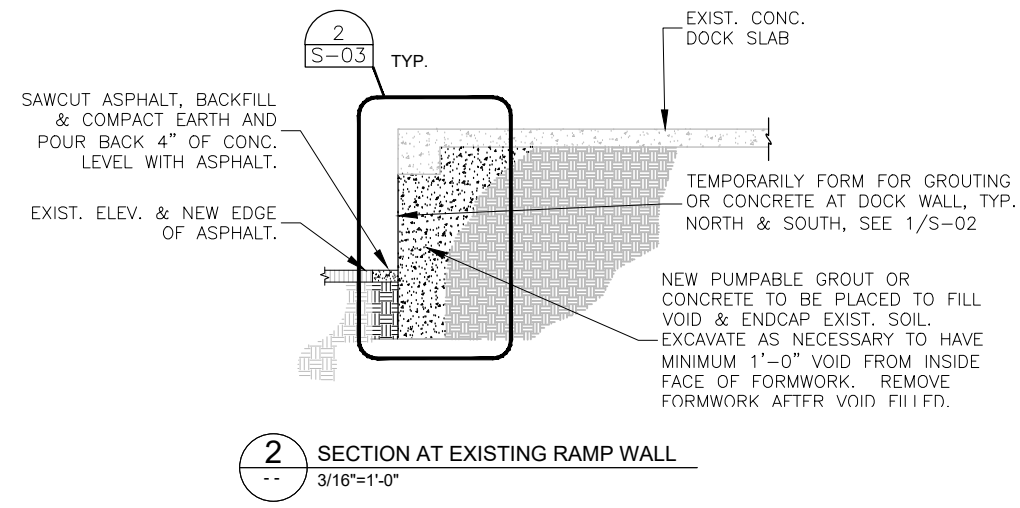
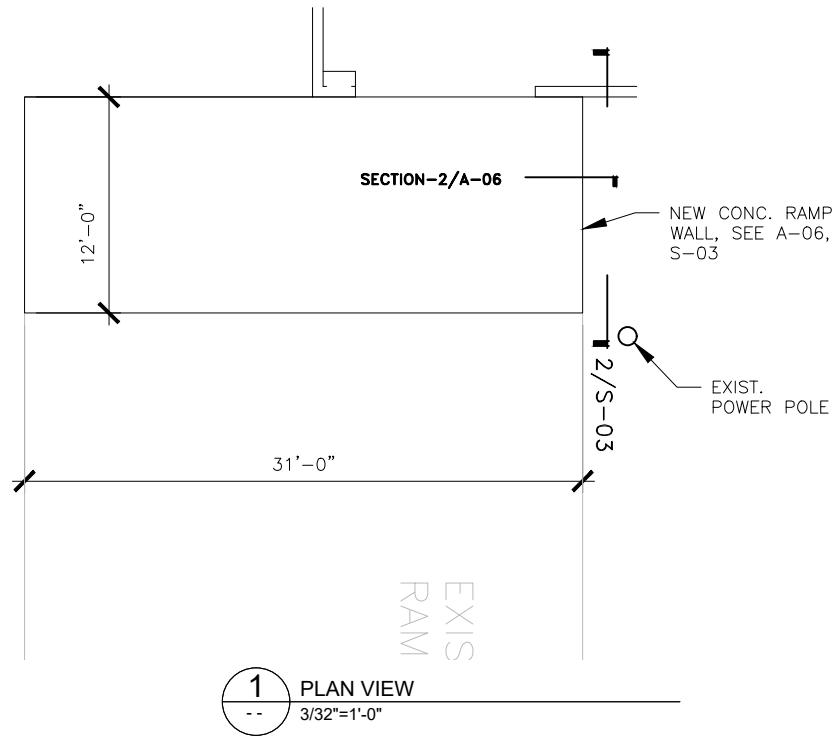
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DWG. No.
A-05

SCALE: AS NOTED
CADFILE: 24-02 A-05

JOB No. 24-02	REV. 0
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 PASCO, WA

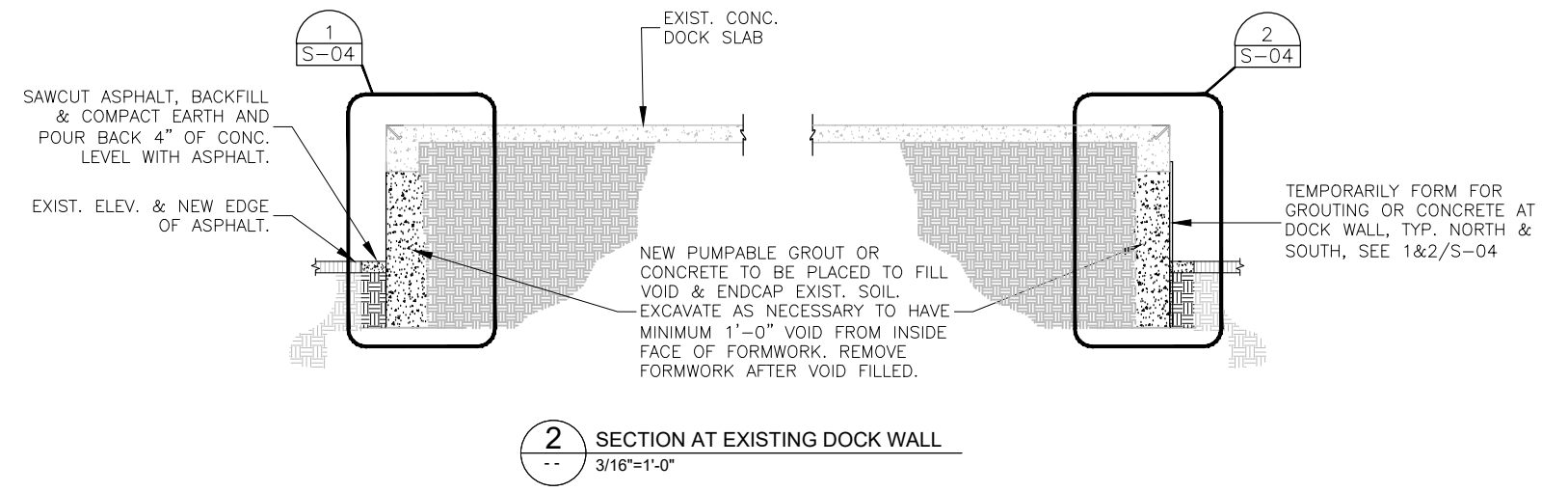
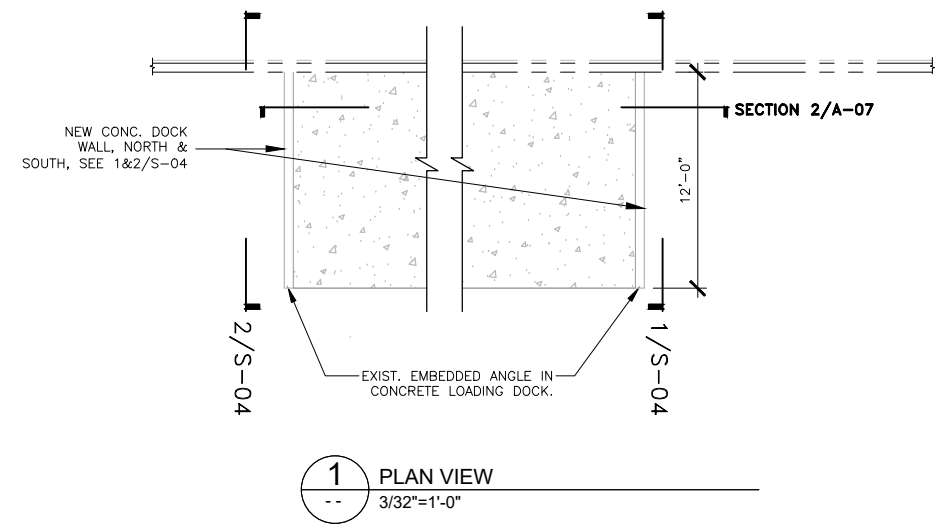
WAREHOUSE 7 BAY 4 NORTHTH SIDE OF SOUTH RAMP REPAIRS

APPROVAL		
DRAWN	TF	3/13/24
DESIGN		
CHECKED		
APPROVED		

No.	REVISIONS	DATE	DRWN	CHKD	DESIGN	APPD

DWG. No.	
A-06	
SCALE: AS NOTED	
CADFILE: 24-02 A-06	
JOB No.	REV.
24-02	0

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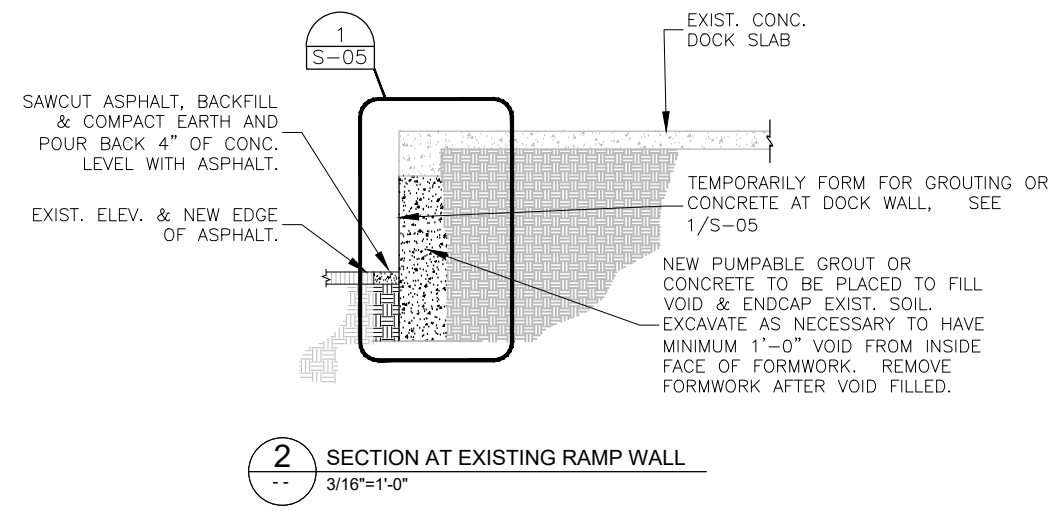
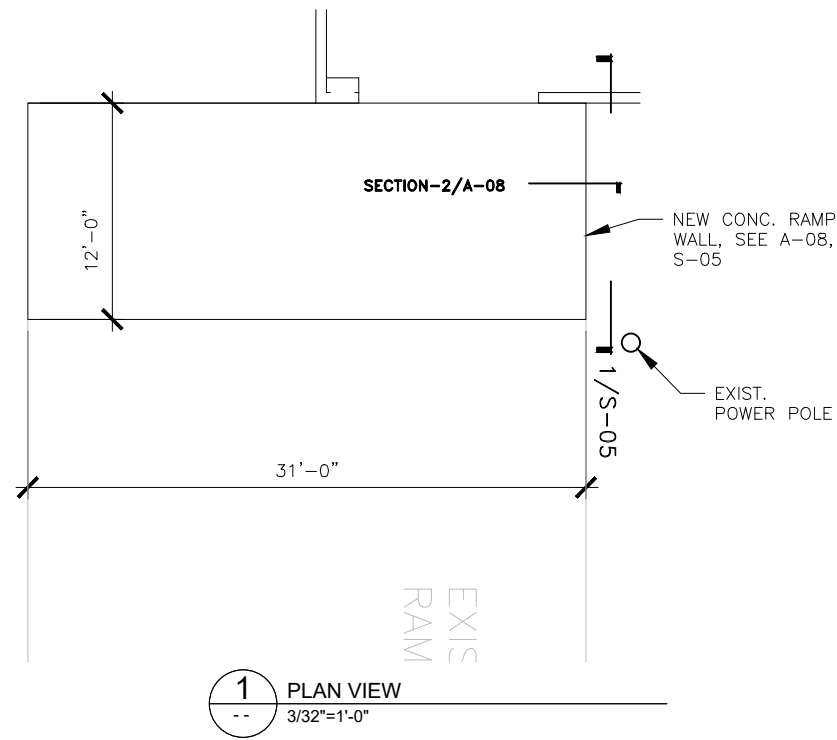
WAREHOUSE 8 BAY 4 NORTH & SOUTH SIDES OF CENTER DOCK REPAIRS

APPROVAL		
DRAWN	TF	3/13/24
DESIGN		
CHECKED		
APPROVED		

No.	REVISIONS	DATE	DRWN	CHKD	DESIGN	APPD

DWG. No.	A-07
SCALE:	AS NOTED
CADFILE:	24-02 A-07
JOB No.	24-02
REV.	0

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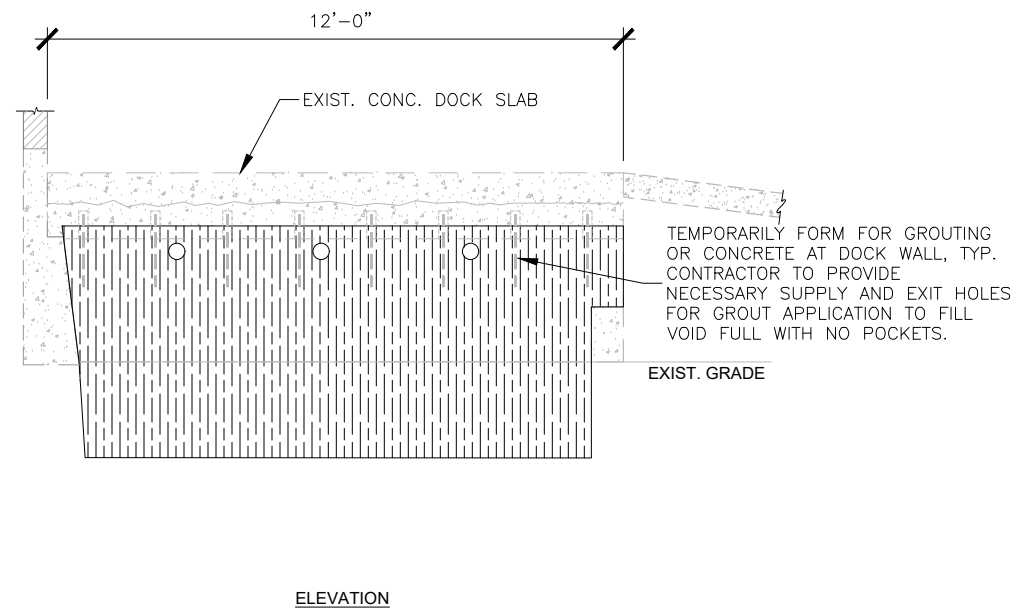
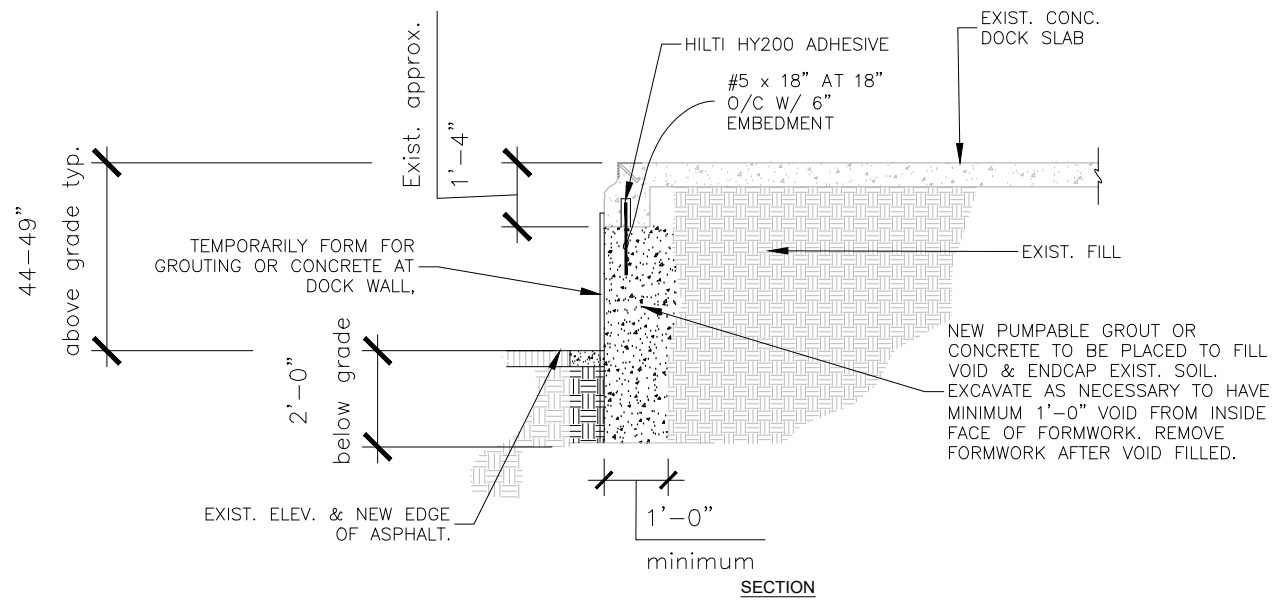
PORT OF PASCO
 BPIC-CONCRETE DOCK AND RAMP REPAIRS VARIOUS LOCATIONS
 PASCO, WA

WAREHOUSE 8 BAY 4 NORTH SIDE OF CONCRETE RAMP REPAIRS

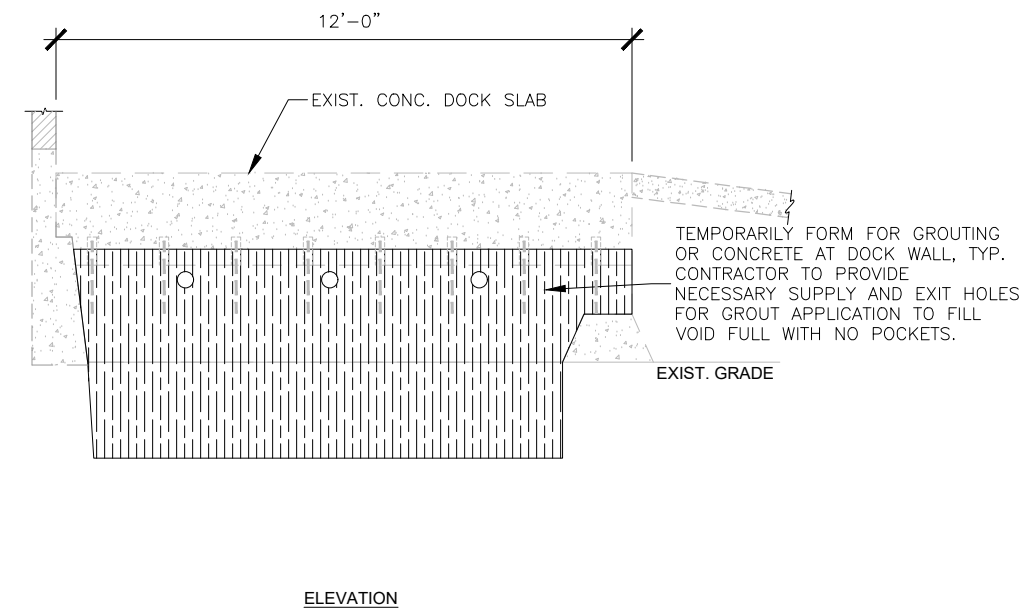
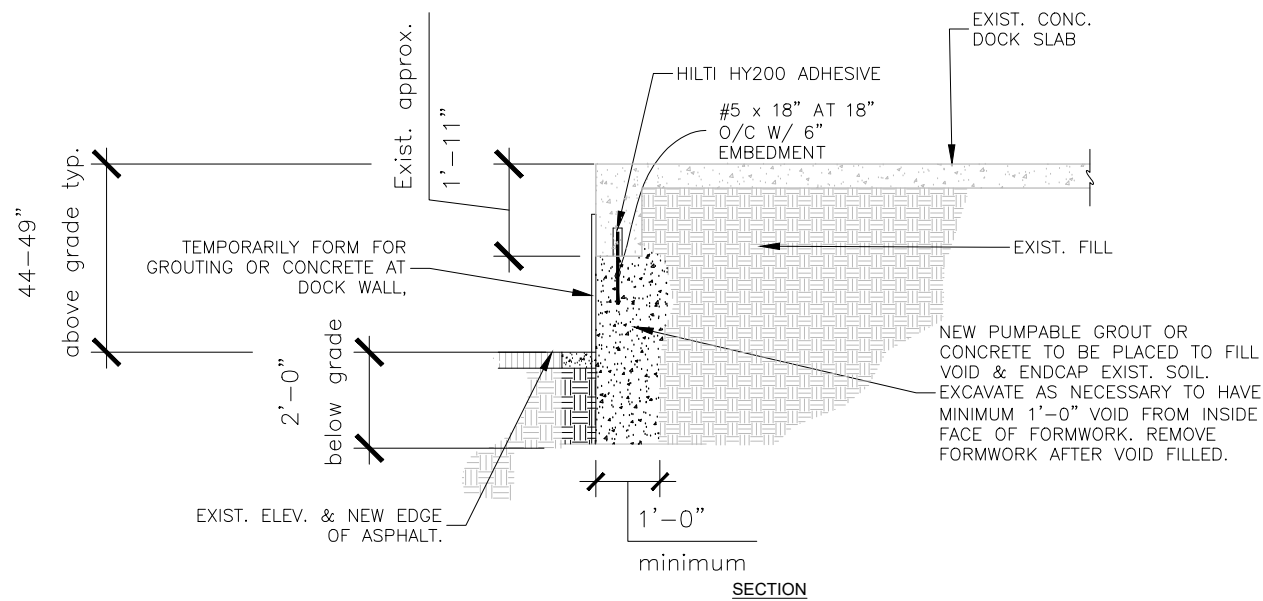
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No.	REVISIONS	DATE	DRWN	CHKD	DESIGN	APPD

DWG. No.	
A-08	
SCALE: AS NOTED	
CADFILE: 24-02 A-08	
JOB No.	REV.
24-02	0



1 WALL INFILL SECTION & ELEVATION AT RAMP-WH1B4
 -- 1/4"=1'-0"



2 WALL INFILL SECTION & ELEVATION AT RAMP-WH2B4
 -- 1/4"=1'-0"

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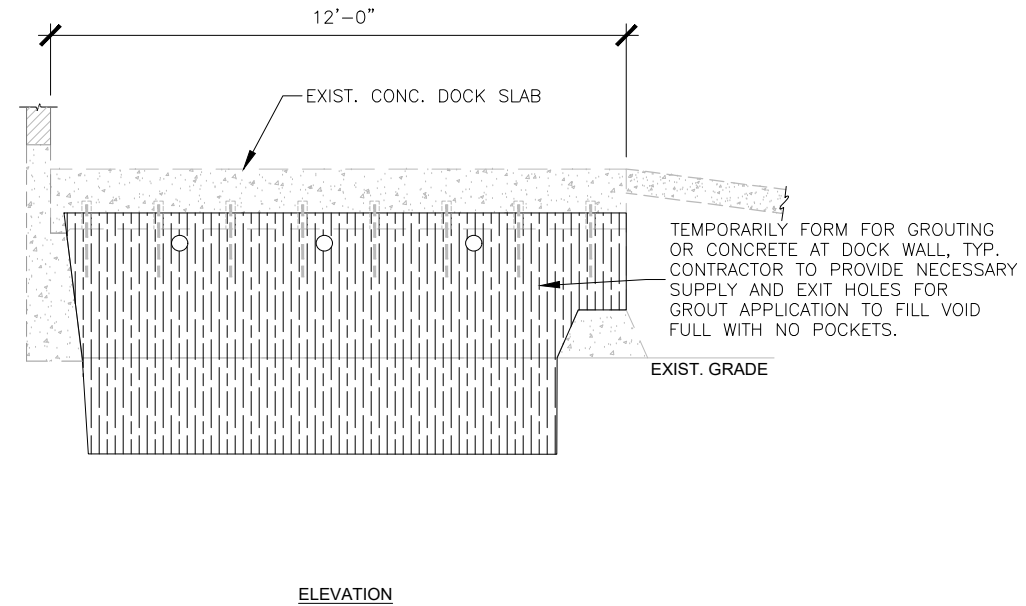
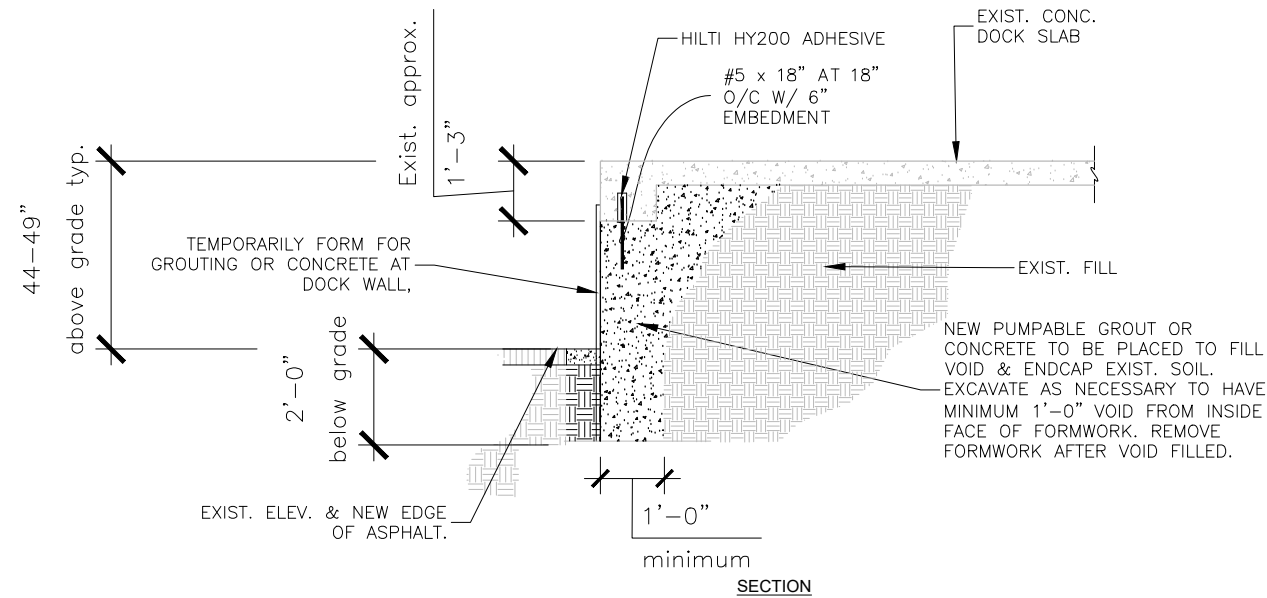
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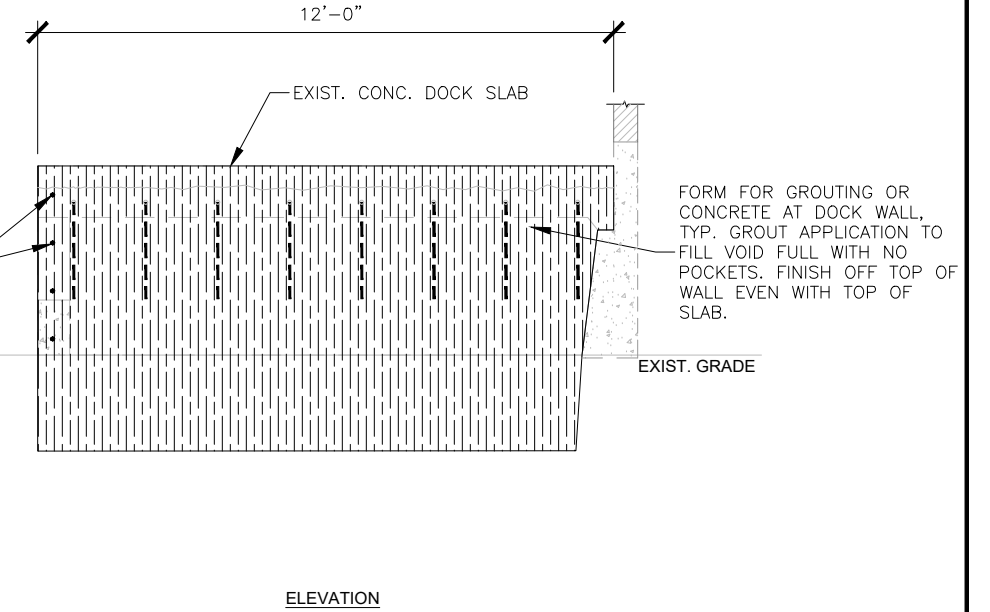
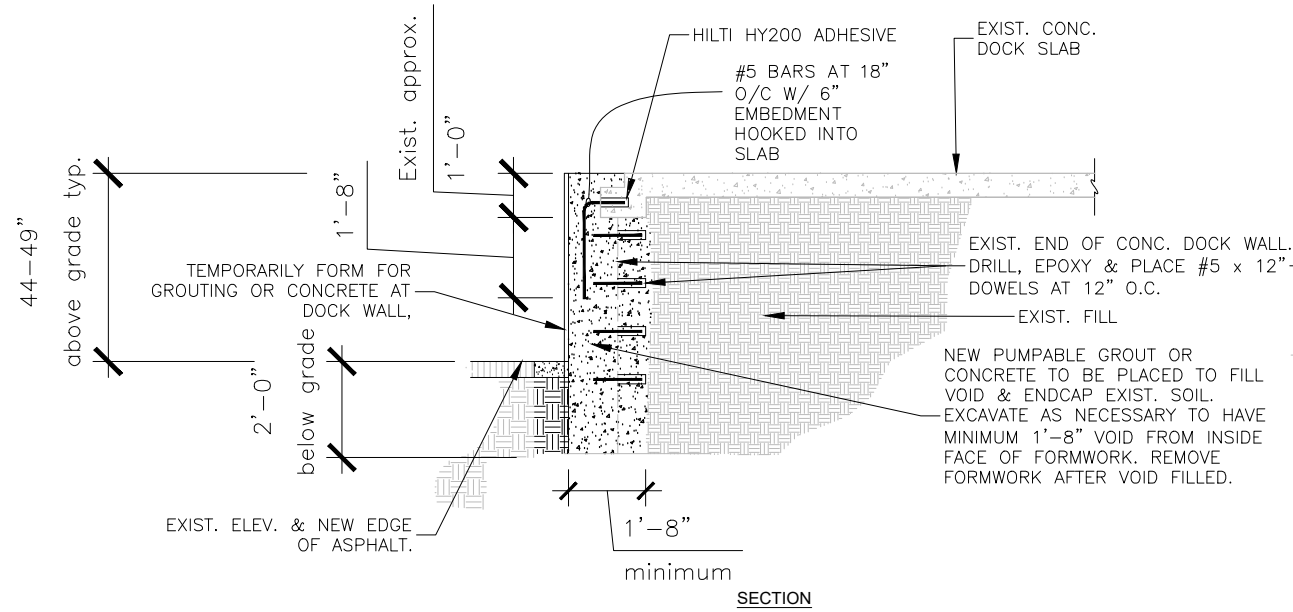
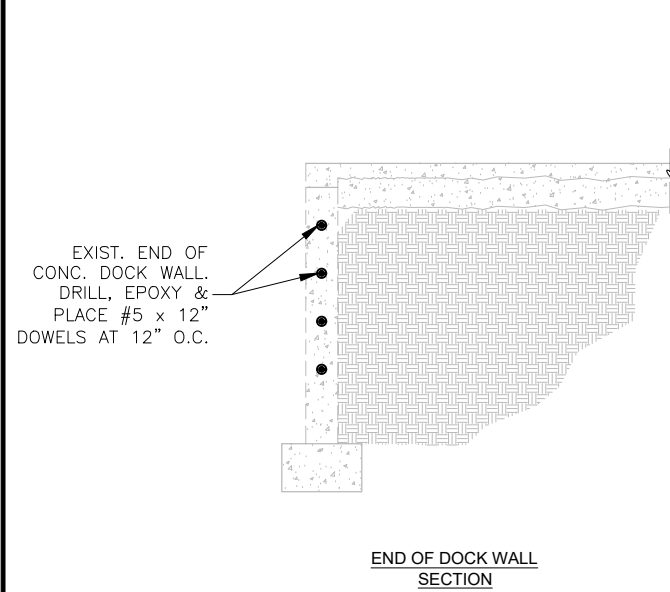
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24-02							0

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1 WALL INFILL SECTION & ELEVATION AT RAMP-WH3B4
1/4"=1'-0"



2 WALL INFILL SECTION & ELEVATION AT RAMP-WH4B1
1/4"=1'-0"

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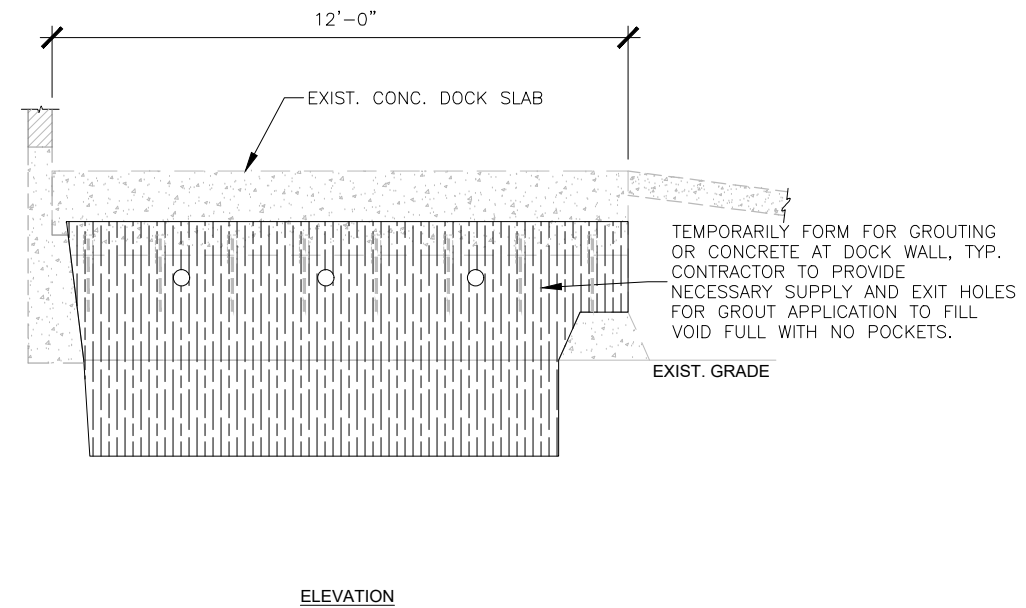
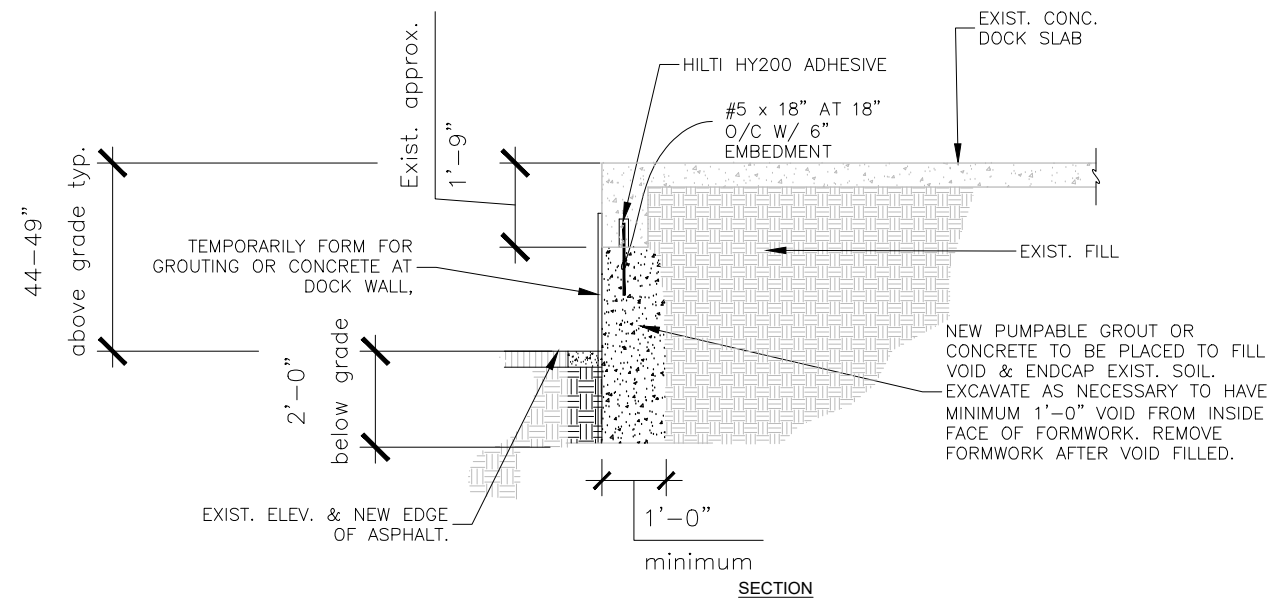
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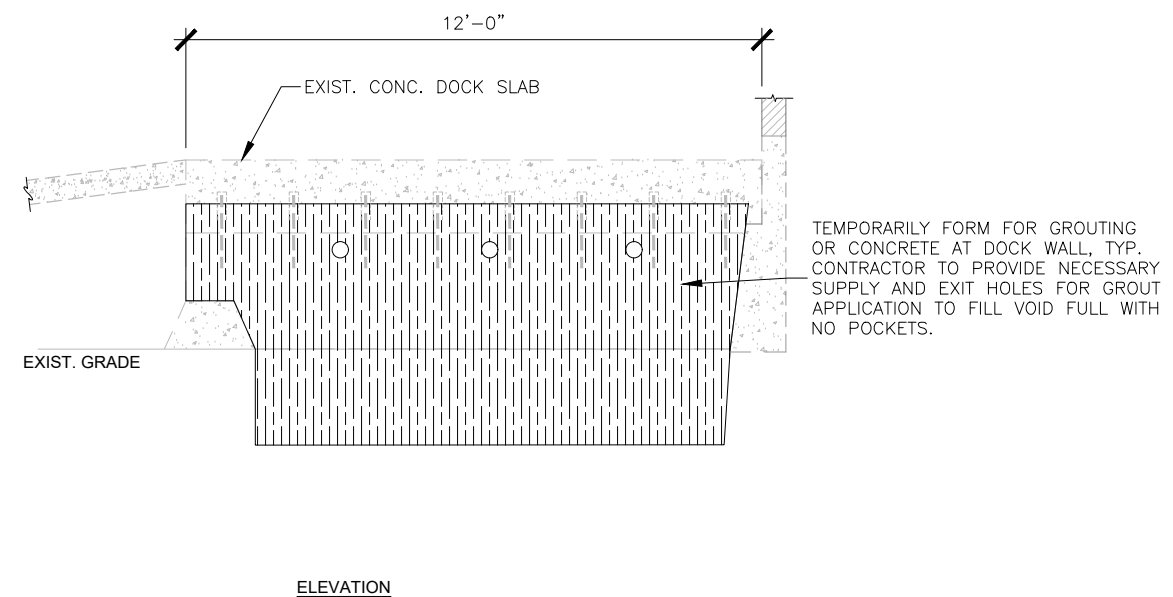
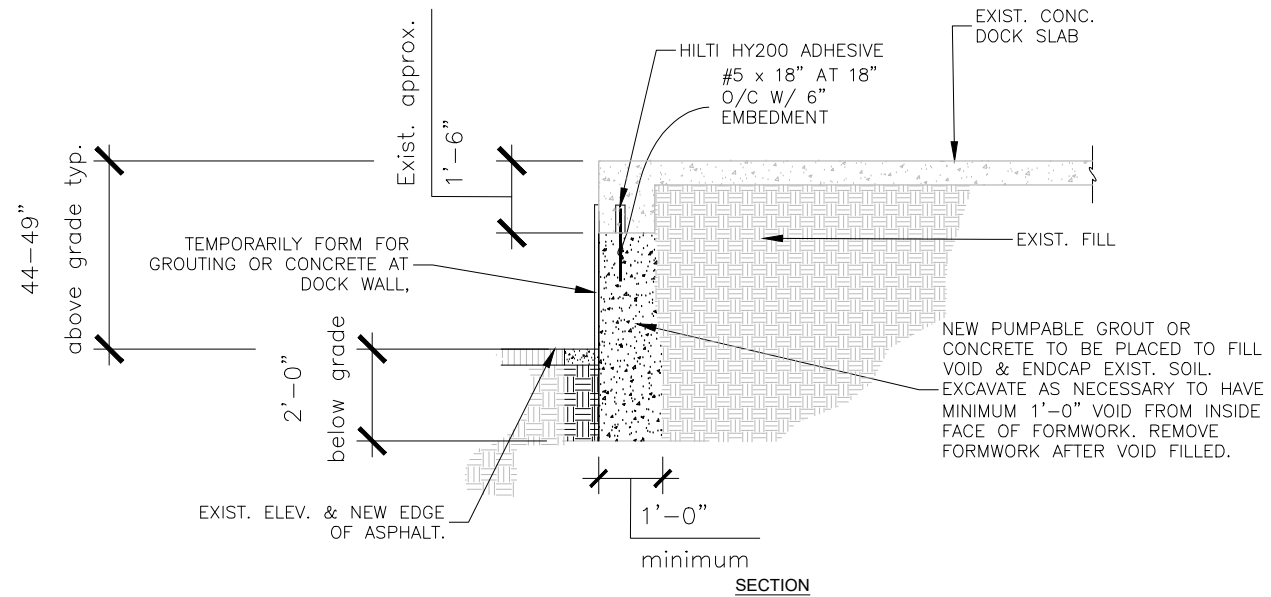
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1 WALL INFILL SECTION & ELEVATION AT RAMP-WH6B4
 -- 1/4"=1'-0"



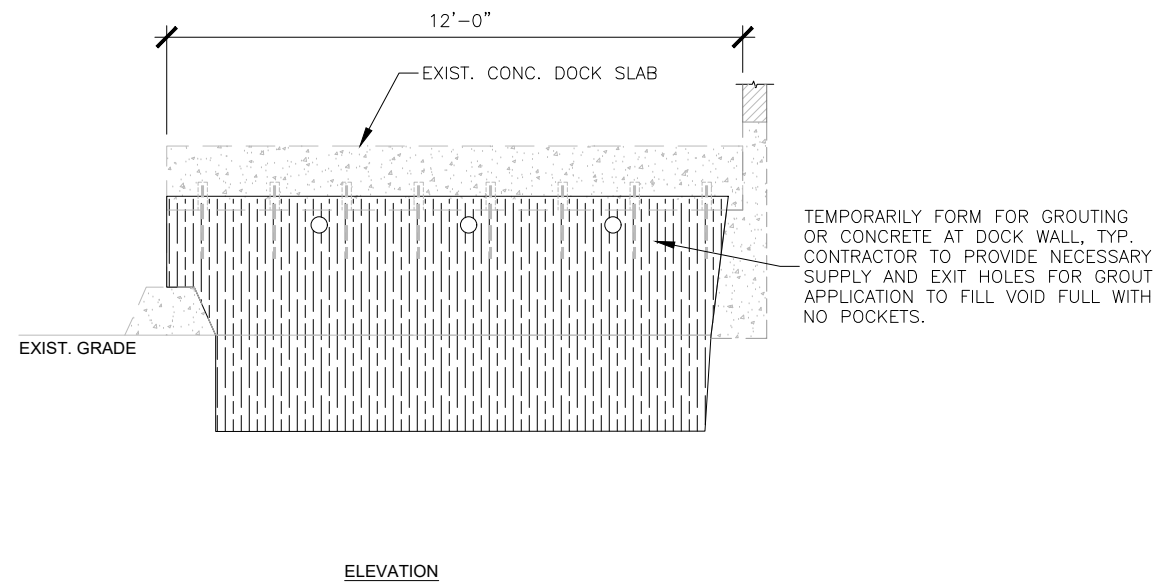
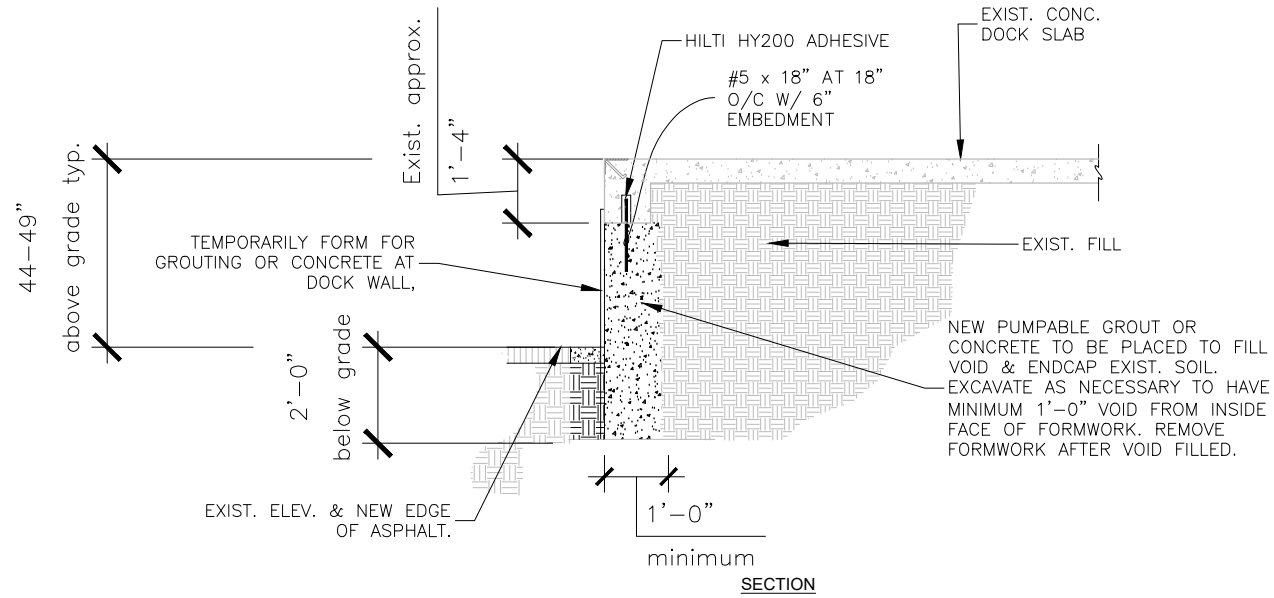
2 WALL INFILL SECTION & ELEVATION AT RAMP-WH7B4
 -- 1/4"=1'-0"

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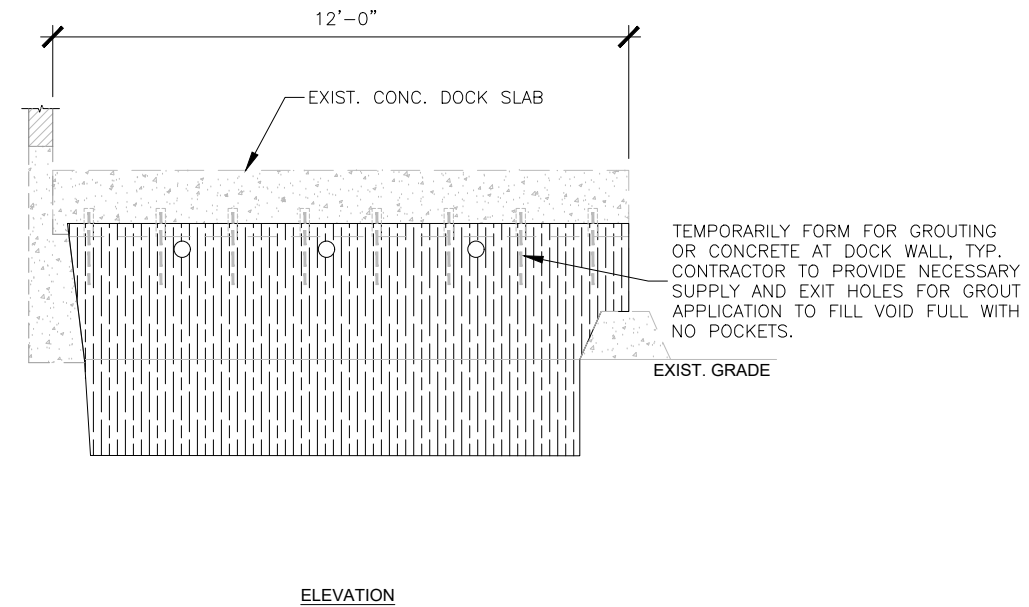
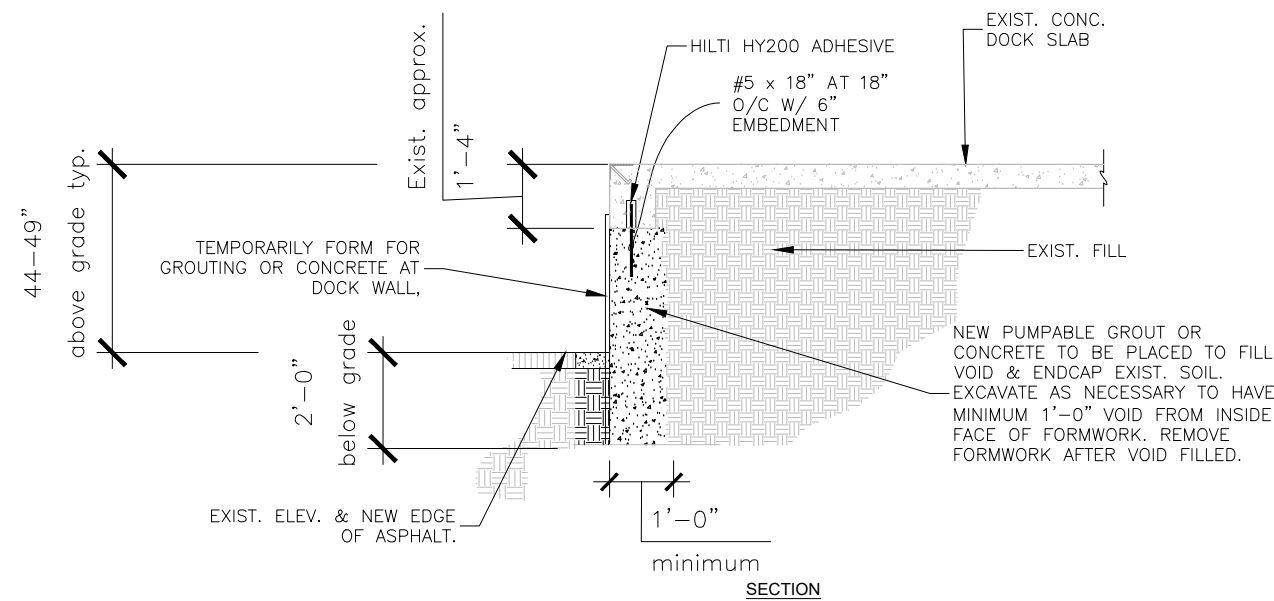
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DWG. No.	S-03
SCALE:	AS NOTED
CADFILE:	24-02 S-03
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REV.	0



1 WALL INFILL SECTION & ELEVATION AT NORTH DOCK WALL-WH8B4
 -- 1/4"=1'-0"



2 WALL INFILL SECTION & ELEVATION AT SOUTH DOCK WALL-WH8B4
 -- 1/4"=1'-0"

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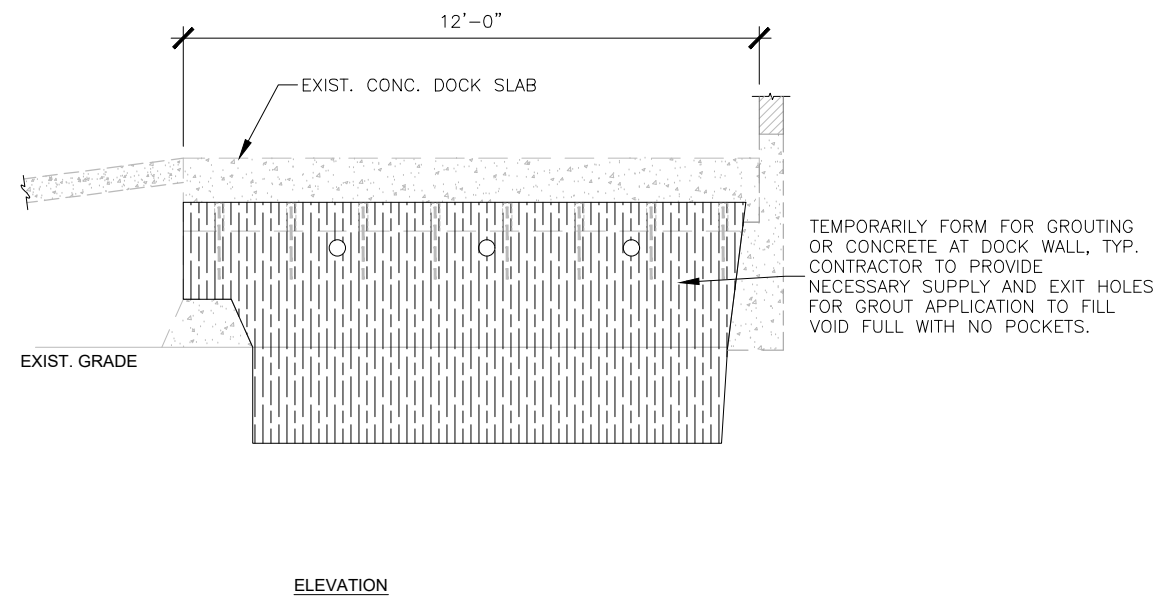
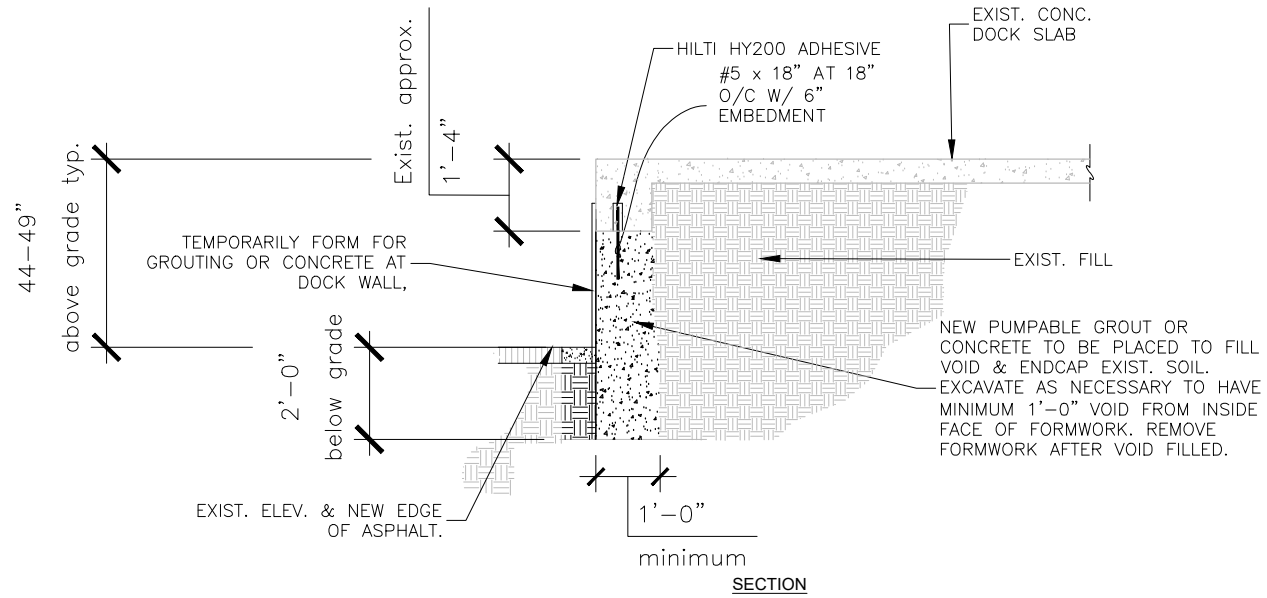
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S-04
 SCALE: AS NOTED
 CADFILE: 24-02 S-04
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 24-02
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1 WALL INFILL SECTION & ELEVATION AT RAMP WALL-WH8B4
 -- 1/4"=1'-0"

FS1\USERS\friss\Documents\All Files\Projects\Projects 2024\24-02 BPIC Concrete dock, ramp repairs\24-02 Dwg\24-02 S-05.dwg - Mar 15, 2024 2:20:11 pm - Tracy S. Friss

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No.	REVISIONS	DATE	DRWN	CHKD	DESIGN	APPD	DWG. No.
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