



South Kitsap Water Reclamation Facility Storage Building CMU Wall

Project Location: 1165 Beach Drive East, Port Orchard, WA 98366



8/25/2017

SKWRF Storage Building CMU Wall

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NOTICE TO BIDDERS

Notice is hereby given that bids will be received by the West Sound Utility District, 2924 SE Lund Avenue, Port Orchard, Washington, 98366, until the hour of 11:00 a.m.,9/13/2017. The contract provides for supply of materials and labor (Prevailing Wage) for completion of the CMU wall per plans and specifications. The plans, specifications, and proposal forms are attached. Contact Mr. Randy Screws, SKWRF Plant Manager, with questions on this project at (360) 895-6926. West Sound Utility District reserves the right to reject any and all bids or the bidding.

Bids are due to the District by 9/13/2017 11:00 AM.

VIA MAIL OR HAND DELIVERY TO THE FRONT DESK ONLY TO:

**West Sound Utility District
SKWRF Storage Building
ATTN: Michael Wilson
2924 SE Lund Ave
Port Orchard, WA 98366**

Contractors are encouraged to make a site visit prior to bidding. Contractors will be accommodated for site visits from 8:00 am – 3:00 pm Monday through Friday. Please call 360-895-6926 for accommodation.

Bids must be received at West Sound Utility District 2924 SE Lund Ave. Port Orchard WA no later than 11:00 a.m.,9/13/2017 . All prices quoted shall be for complete job.

West Sound Utility District reserves the right to reject any and all bids or the bidding. Instructions to bidders and specifications are depicted on attached sheets.

The firm awarded the contract must be enrolled as a member of the Washington State Shared Small Works/ Consultant Roster prior to issuance of a contract with the District. A link for membership is <http://www.mrscrosters.org>.

Additionally, a business license with the City of Port Orchard is required as work will be within the city limits. A link for information and application is <http://bls.dor.wa.gov/cities/portorchard.aspx>.

INSTRUCTIONS TO BIDDERS

EXAMINATION OF SITE AND CONDITIONS: Before making this bid, the bidder should examine the site of the work and ascertain for themselves all the physical conditions in relation thereto. Failure to take this precaution will not release the successful bidder from entering into contracts nor excuse him from performing the work in strict accordance with the terms of the contract.

No statement made by any office, agent, or employee of the District in relation to the physical conditions pertaining to the site or the work will be binding on the District.

FORM OF BID: Proposals shall be made upon the form provided therefore. They shall contain no recapitulation of the work to be done and no exceptions to the requirements of the plans and specifications. All blank spaces in the form shall be filled except those not needed for a complete listing of the partners or principals of the bidding firm and except those spaces provided for alternate bids may be left blank if the bidder does not wish to bid the alternate. Erasure, interlineation, or other corrections must be initialed by the person or persons signing the bid.

SIGNATURE: Each bid must be signed in long hand by the bidder with their usual signature. Bids by partnerships must be signed with the partnership name by one of the partners, followed by the signature and designation of the partner signing. Bids by corporations must be signed with the legal name of the corporation, followed by the name of the state of incorporation and the signature of the president, secretary, or other person authorized to bind it in the matter.

SUBMISSION OF BID: Bid shall be enclosed in an opaque sealed envelope, addressed to the official named in the NOTICE TO BIDDERS, and delivered as required by the NOTICE TO BIDDERS.

MODIFICATION OF PROPOSALS: Modification of proposals already received will be considered only if the request and modification are made prior to the scheduled closing time for the receipt of the proposals. All modifications must be made in writing over the signature of the bidder.

WITHDRAWAL OF PROPOSAL: At any time prior to the scheduled closing time for receipt of proposals, any bidder may withdraw their proposal, either personally, or by written request. After the scheduled closing time for receipt of proposals or before award of contract, no bidder will be permitted to withdraw his proposal unless said award is delayed for a period exceeding thirty (30) days.

EVIDENCE OF QUALIFICATIONS: Upon request of the District, a bidder whose bid is under consideration for the award of the contract shall submit promptly to the District satisfactory evidence of the bidder's financial resources, his experience, and the organization and equipment he has available for the performance of the contract.

PAYMENTS TO CONTRACTOR: All payments to the contractor for construction performed on this project will be by CASH WARRANTS.

EXECUTION OF CONTRACT: Within ten (10) days after receiving contract documents from District, the successful bidder will be required to execute said contract.

Attachment "A"

SCHEDULE OF BID PRICES

CONTRACTOR _____

DATE _____

	DESCRIPTION	QTY.	ITEM PRICE	UNITS	BID PRICE
1.	Mobilization (Not to exceed 15% of total cost proposal)	1	LS	Each	
2.	Item 3. Cement Masonry Units & Associated as per plans and specifications.	1	LS	Each	
3.	Demobilization	1	LS	Each	
4.					
5.					
6.					
7.					
8.					

Estimated Start Date _____

Bid Total _____

Estimated Completion Date _____

Signature _____

Bids are due to the District by 9/13/2017 11:00 AM.

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 SKWRF Storage Building
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 Port Orchard, WA 98366**

The Bid Price Does Not Include State Sales Tax

PAYMENTS: The Contractor shall submit an invoice to the District at completion of the project. Payments will be made no later than thirty (30) calendar days upon acceptance and District approval of the Contractor's invoice.

The first payment cannot be made until the Contractor submits the Intent to Pay Prevailing Wages, as approved by the State Department of Labor and Industries, to the District.

a. Retention of Public Works Contracts: Five percent (5%) of all monies earned by the Contractor on estimates during the progress of the work shall be retained by the District. Said funds shall not be released until the expiration date of thirty (30) days after the acceptance of the completed contract and the receipt of a certificate from the proper authorities. The Contractor shall certify that there are no unsatisfied liens against the fund. Certificates shall be obtained from the State Tax Commission, and any suppliers of labor, material, or equipment as requested by the District.

Prior to release of retainage, the Contractor shall provide the following:

1. Affidavit of Wages Paid from Department of Labor
2. Certificate from the Department of Revenue that all taxes and penalties are paid.
3. Certificate from Contractor that all suppliers and subcontractors have been paid and that there are no liens against the project.

INTERPRETATIONS OF DOCUMENTS: The documents forming the contract are complementary, and what is called for in one shall be binding as if it were called for by all. They are intended to include all detail of labor and material reasonably necessary for the proper execution of the work. Should there be any discrepancy between the specifications and plans, the specifications shall have precedence.

LABOR AND MATERIALS:

The intent of the plans and specifications is to provide for the construction and completion of every detail of the work described therein. It is understood that the Contractor for all and any part will furnish all labor and materials, tools, equipment, transportation, and necessary supplies, such as may be reasonably required to execute the contract in a satisfactory and workmanlike manner in accordance with the plans, specifications, and terms of the contract.

a. Unless otherwise specified, all materials shall be new. All materials shall be one of the several kinds called for; as it is intended that only the best methods and materials, as recognized by usage in first-class work, shall be used. All workmanship shall be of the highest quality.

PROTECTION OF LIFE AND PROPERTY, AND INDEMNITY AGREEMENT:

a. Responsibility for the protection of the work, the workers, all public utilities, the public at large, and traffic in general against damage and injury chargeable to the construction or any circumstances, conditions, or negligence in connection therewith, shall rest with the Contractor and he shall be liable therefore. The Contractor shall erect and maintain good and sufficient guards, barricades, signs, lights, and signals at all unsafe places at or near the work, and shall do all other things necessary to prevent accident or loss of any kind as a result of his operations.

b. The Contractor covenants that he will indemnify the District from any loss, damage, cost, charge, or expense whether to persons or property to which the District may have been put by reason of any act, action, neglect, omission, or default on the part of the Contractor. The Contractor hereby covenants to assume the defense thereof and to pay any and all judgments that may be incurred by or obtained against the District.

SITE PREPARATION: All preparations necessary to expedite completion of the work are the responsibility of the Contractor.

SUPERINTENDENCE: The Contractor, during the progress of work, shall keep a competent representative on the work site at all times. Said representative shall be designated in writing to the District and shall be fully responsible for decisions. Should such representative have cause to be absent from the job for a period greater than four (4) hours, he shall designate an assistant and so inform the District. The Contractor's representative shall have full authority to make all decisions on behalf of the Contractor and bind the Contractor to all said decisions as the work progresses; and that the representative's designee, in his absence, shall have the same authority.

CHANGES IN WORK AND EXTRA WORK: The right is reserved without impairing the contract, to order the performance of such extra work of a class not contemplated in the proposal, as may be considered necessary to complete fully and satisfactorily the work included in the contract. Such changes and extra work shall be done in accordance with the Contract Documents insofar as the contract documents are applicable and shall be paid for as provided for herein. Payments for extra work will be made at unit price bid, if applicable, or at cost plus fifteen percent (15%). The Contractor shall not commence or perform any extra work for which he expects extra compensation until such work has been ordered in writing by the Purchaser. All claims for extra work must be approved by the District in writing at the completion of such work.

CONTRACTOR RESPONSIBILITY FOR WORK DONE: The Contractor shall furnish for the price bid all skill, labor, and materials required for the complete performance of the contract, and shall fully complete the work in accordance with the plans and specifications. He shall be responsible for the entire contract and shall maintain the same during construction and until final acceptance of the entire improvement by the District. He shall also replace and make good any and all defective materials or workmanship in any part of the work or equipment covered by this contract if discovered within one (1) year following acceptance of the work. The performance bond furnished shall guarantee such replacement and repair and shall save harmless and indemnify the District from such defective materials or workmanship for a period of one (1) year following the acceptance of the work.

ASSIGNMENT OF CONTRACT AND SUBLETTING:

- a. The Contractor shall not assign this contract or any part thereof, or monies due or to become due thereunder without the prior written approval of the District. The Contractor shall not sublet any part of this contract without having first obtained the written consent of the District to do so. In case such consent is given, it shall in no way release the Contractor from any responsibility, but he shall be held in all respects accountable for the same as if no consent had been given. The Contractor will be required to give his personal attention to the work which is sublet.
- b. The approval by the District of the award of a subcontract shall not create any contractual relations between the subcontractor and the District. The Contractor shall bind

the subcontractors to the terms and conditions of the contract documents insofar as the terms thereof may control the work included in the subcontract. No award of a subcontract to any subcontractor who, in the judgment of the District, is incompetent or unfit, will be approved by the District.

PREVAILING WAGES: The Contractor agrees that the hourly minimum rate of wage which may be paid to laborers, workmen, or mechanics in each trade or occupation required by the Contractor, subcontractor, or other person doing or contracting to do the whole or any part of said work, shall not be less than the prevailing rate of wage.

The District retains the right to audit the Contractor's records.

GENERAL SPECIFICATIONS

PERMIT SCOPE OF PLANS AND SPECIFICATIONS: It is the intent of these specifications to describe the project complete in every respect. Any work that may have been accidentally implied shall be furnished by the Contractor the same as if it had been specifically stated. In accepting this contract, he shall assume responsibility for methods of performing and installing the work.

PERMITS: Owner has obtained all necessary permits and will coordinate with contractor for scheduling inspections.

MATERIALS: All materials called for shall be erected or applied in accordance with the manufacturer's instructions.

TYPICAL DETAILS: Where details are shown covering "special conditions", these details also apply to all "similar conditions" not specifically detailed.

EXPEDITING OF WORK: The Contractor shall be responsible for expediting all phases of the work. Maintenance of all construction schedules as submitted by the Contractor is most important for completion of the job on time.

SPECIFICATIONS

These specifications provide for supply and installation of materials and labor for a CMU wall for a Storage Building at the South Kitsap Water Reclamation Facility (SKWRF), Port Orchard, WA.

SPECIFICATION CEMENT MASONRY UNITS

This includes all materials and labor necessary to complete installation of CMU walls as defined by plans and specifications. Inclusive of but not limited to:

1. Setting of CMU
2. Rebar
3. Anchor bolts

4. Grout Fill
5. Insulation
6. Waterproofing

CMU

Concrete Masonry Units shall be hollow load-bearing type, conforming to ASTM C-90, Grade N, Type 1. All units, unless otherwise noted, shall have normal weight aggregate having a uniform quality, texture, and color. All blocks shall be covered and protected against wetting prior to use. Unit sizes and shapes shall be 8 inches high by 16 inches long by 8 inches wide (nominal). Masonry bond shall be a running bond, unless otherwise shown on the construction drawings or noted in the specifications.

The Contractor shall not place concrete masonry units when the work area air temperature is below 40 degrees F. In addition, the Contractor shall protect his work from freezing for a period of 48 hours following the time the blocks have been laid. The masonry construction shall be protected from direct exposure to sun when erected in an ambient air temperature of 90 degrees F as measured in the shade with the relative humidity less than 50 percent. All ungrouted concrete masonry units with an exterior face shall be insulated.

All concrete masonry units exposed to weather shall have an integral water repellant added to the block and mortar. Repellant admixture equal to Dry-Block as manufactured by W.R. Grace and Co.

In lieu of water repellant admixture, coat exterior walls as specified:

- Surface preparation – Clean and dry free of contaminants
- One coat DuraPell 40 – 100 square feet/ gallon
- Saturate Vertical surfaces with a 6” rundown

The Contractor shall lay only dry masonry units. When masonry needs to be sawed, only masonry saws shall be used to cut and fit masonry units. All units shall be set plumb, true to line, and with level courses accurately spaced. The masonry unit shall be adjusted to final position while the mortar is soft and plastic. If the units are displaced after the mortar has stiffened, the Contractor shall remove the units, clean the joints or mortar, and relay with fresh and clean units. When joining fresh masonry to set or partially set masonry construction, the Contractor shall clean the exposed surface of set masonry and remove loose mortar prior to laying fresh masonry. CMU units shall be laid with full mortar coverage on horizontal and vertical face shells and webs. All joints shall have a nominal thickness of 3/8-inch and shall be uniform in nature. Lay at least 50 percent of the units at intersection in masonry bond. All joints shall be tooled and concave. The Contractor shall remove mortar protruding into cells of cavities to be reinforced.

Grout-fill all vertical and horizontal cells that contain reinforcing and as detailed on the construction drawings. Grouted Masonry shall meet the requirements of the latest edition of the IBC as a minimum. Cells shall have an unobstructed vertical alignment. The Contractor shall provide grouted bond beams where required. Provide lintels made up of reinforced, grouted lintel sections over all wall openings 12 inches or wider. The Contractor shall install horizontal and vertical reinforcing and hold in position as the work progresses to maintain the following clearance between the reinforcing and the block surface: 1 ½ exterior, ¾-inch interior.

The maximum lift for grout pours shall be 4 feet. Grout placed shall be vibrated in accordance with the requirements of the latest edition of the IBC and these specifications. The Contractor shall make sure that the grout is consolidated with a vibrator immediately after pouring and re-consolidate after excess moisture has been absorbed; but before plasticity is lost. Provide clean-outs at the bottom of all grouted courses. Contractor may eliminate clean-outs at the Owner's discretion if the bottom of all cells are free of knocked-off mortar fins and dirt.

The top course of any masonry wall shall consist of a bond beam of solid masonry. The Contractor shall grout full-space-around door frames and other built-in items. Build in all work with the masonry including anchor bolts. Build in doors as erection progresses. The Contractor shall hold grout 1-1/2 inches below the top of the upper most unit when work stops for over one hour, and thoroughly clean and roughen the joint before proceeding with the work.

Provide vertical reinforcement at all corners, on each side of openings larger than 8-inches and at the intervals shown. Provide horizontal reinforcing at bond beams as shown on the drawings, and above and below all openings larger than 8-inches. All reinforcing shall be lap spliced 24-inches minimum to provide continuous reinforcement.

The Contractor shall protect the adjoining work from mortar droppings, and newly-laid masonry from damage and from rain until the mortar has set. At the stoppage of work at any time, the work shall be covered with tarpaulins or boards to prevent rain or snow from entering the cores of the block. The walls shall be adequately braced to support masonry.

The Contractor shall protect sills, ledges, and offsets from mortar drippings or other damage during construction. If mortar or grout has been misplaced, the Contractor shall have it immediately removed. Shore reinforced lintels a minimum of 14 days after grout placement or until a 28-day strength is achieved.

Prior to completion, fill all holes in joints. All defective joints shall be cut out and repointed. At the end of each day's work and after final pointing, dry-brush the masonry surface.

TOLERANCES:

Variations from plumb, specified grade, conspicuous lines, and walls shall be plus or minus ¼ inch in any 10-foot length, not to exceed plus or minus 1 inch overall.

Variations from dimension shall not exceed plus or minus ½ inch.

MASONRY PATTERNS AND COLORS:

Masonry construction shall match the existing masonry in color and pattern.

Exterior face of CMU shall be smooth face with single 3/8" X 3/8" vertical score.

Interior masonry surfaces shall be smooth face. Mortar color shall match existing mortar.

MASONRY MORTAR:

Masonry mortar shall be used to properly level, position, bond together, seal irregularities, and provide a weather-tight joint between the concrete masonry units.

Stockpile and handle aggregates to prevent contamination from foreign materials; store admixtures to prevent contamination or damage from excessive temperature changes; and keep water free from all foreign materials.

The Contractor shall heat the mixing water when air temperature is below 40 degrees Fahrenheit (F) and heat aggregates when air temperature is below 32 degrees F to assure mortar temperature between 40 degrees F and 120 degrees F until used. The Contractor shall produce subsequent mortar batches within plus or minus 10 degrees F of the first batch. The water or sand shall not be heated above 120 degrees F.

Mortar shall be type "S", minimum compressive strength of 1800 psi at 28 days. Cement shall be ASTM C-150 and lime shall be ASTM C-207.

Proportion mortar by volume and mix in a standard mortar mixer operated in accordance with manufacturer's recommendations. Mix ingredients thoroughly in dry form and add water to bring the mixture to the proper consistency for use. Do not hand-mix mortar. The initial bed joint thickness shall not be less than ¼ inch or more than 1 inch. Provide mortar pigment to match color of concrete masonry units.

MASONRY GROUT:

Masonry grout shall be used to fill all CMU cells that contain reinforcing steel. Masonry grout shall comply with the following specifications:

1. ASTM C-150, Portland Cement
2. ASTM C-476, Mortar and Grout for Reinforced Masonry.
3. ASTM C-404, Aggregate for Masonry Grout.
4. Slump: 8" min to 12" max.

Grout shall be stockpiled to prevent contamination from foreign materials and the admixtures shall be stored to prevent contamination or damage from excess temperature change. Water to be used in mixing the grout shall be free from foreign materials.

The masonry grout shall consist of one part Portland Cement to three parts masonry sand and one-tenth part lime per ASTM C-476 Fine Grout Standards. It shall have a minimum compressive strength of 2000 psi.

MASONRY ACCESSORIES:

The Contractor shall provide shop drawings showing all attached or embedded accessories. Reinforcing steel bars to be used for masonry work shall be ASTM A-615, Grade 60. Provide bar lengths and sizes as shown on the construction drawings. Rebar placed shall meet the general conditions for tolerance as required by the latest edition of the IBC.

All masonry accessories shall be installed as shown on the construction drawings and submitted details. The Contractor shall not splice reinforcing except as shown on the construction drawings. The minimum splice, where not indicated, shall be 32 bar diameters or 24 inches, whichever is greater. All accessories shall be cleaned of all dirt, grease, oil, loose mill scale, excessive rust, or other foreign matter which may reduce bond with grout or mortar.

CMU INSULATION

The contractor may opt to fill all voids in lieu of insulation. Please identify with estimate that intent is to grout fill in lieu of insulation.

Else:

All non-grouted exterior exposed CMU walls shall be insulated with KORFIL block insulation inserts or approved equal, or a foamed-in-place insulation that meets or exceeds both thermal and sound insulation requirements as stated below. Foamed-in-place insulation shall be PolyMaster R-501 Foam Insulation as Manufactured by PolyMaster, Inc. or approved equal.

Performance Requirements:

The insulation shall be noncorrosive; contain no asbestos or glass fibers; produce no offgassing or odors; be formaldehyde and CFC free; and be biodegradable.

Installation: Insulation shall be installed by methods and personnel approved by the block manufacturer and in accordance with insulation manufacturer's recommendations. If using foam in place, install foam in CMU cores using pressure fill or top fill method to a uniform density. Completely fill all spaces, crevices, and voids. If pressure fill method is used, fill and point drill holes in exposed or concealed masonry units with mortar after installation, shaping and texturing to match existing materials.

PAYMENTS

Item 1. MOBILIZATION

This Item shall include purchase of Contract bonds; transportation of personnel, equipment, and operating supplies to the site; and other preparatory work necessary to conduct required operations. Bid Item 1 will include mobilization for work on the SKWRF Storage Building.

This Item includes cleaning during construction. During execution of the work, the Contractor will avoid contamination of the project area; daily clean the site and dispose of waste materials, debris, and rubbish to assure the area is maintained free from accumulation of these items. The Contractor shall conduct operations and activities in such a manner as to prevent excessive interference of daily activities of the facility.

Payment for Item 1 shall be made at the lump sum price bid upon initiation of work pursuant to the requirements of the State of Washington Department of Labor and Industries (Approval of intent to pay prevailing wage).

ITEM 2. CEMENT MASONRY UNITS

This includes all materials and labor necessary to complete installation of CMU walls as defined by plans and specifications. Inclusive of but not limited to:

7. Setting of CMU
8. Rebar
9. Anchor bolts
10. Grout Fill
11. Insulation
12. Waterproofing

Payment for Item 2 shall be made at the lump sum price bid upon completion of CMU as defined by the plans and specifications.

ITEM 3. DEMOBILIZATION

This Item shall include removal of all equipment, materials, and temporary equipment installed during

mobilization. Demobilization and site restoration shall include but not limited to complete site cleanup after construction.

Payment for Item 3 will be paid according to the lump sum bid price. Payment will not be made until the site restoration has been approved by the owner.