



City of Tacoma, WA

**CITY OF TACOMA - ENVIRONMENTAL SERVICES  
DEPARTMENT**

**REQUEST FOR BIDS**

**SOUTH TACOMA PUMP STATION REHABILITATION PHASE 1  
MATERIAL PROCUREMENT  
SPECIFICATION NO. ES22-0123N**



City of Tacoma  
Environmental Services

REQUEST FOR BIDS ES22-0123N  
SOUTH TACOMA PUMP STATION REHABILITATION PHASE I  
MATERIAL PROCUREMENT

**Submittal Deadline:** 11:00 a.m., Pacific Time, Friday, April 22, 2022

**Submittal Delivery:**

**By Email:**

[sendbid@cityoftacoma.org](mailto:sendbid@cityoftacoma.org)

Maximum file size: 35 MB. Multiple emails may be sent for each submittal

**Until further notice, public Bid Opening meetings have been cancelled.**

Submittals in response to a RFB will be recorded as received. As soon as possible on the day of submittal deadline, preliminary results will be posted to [www.TacomaPurchasing.org](http://www.TacomaPurchasing.org).

**Solicitation Documents:** An electronic copy of the complete solicitation documents may be viewed and obtained by accessing the City of Tacoma Purchasing website at [www.TacomaPurchasing.org](http://www.TacomaPurchasing.org).

- [Register for the Bid Holders List](#) to receive notices of addenda, questions and answers and related updates.
- Click here to see a [list of vendors registered for this solicitation](#).

**Pre-Proposal Meeting:** A pre-proposal meeting will not be held.

**Project Scope:** Material procurement for the South Tacoma Pump Station Rehabilitation Project Phase 1, **see Section 28** for material list.

**Estimate:** \$375,000

**Paid Leave and Minimum Wage:** Effective February 1, 2016, the City of Tacoma requires all employers to provide paid leave and minimum wages, as set forth in Title 18 of the Tacoma Municipal Code. For more information visit [www.cityoftacoma.org/employmentstandards](http://www.cityoftacoma.org/employmentstandards).

**Americans with Disabilities Act (ADA Information:** The City of Tacoma, in accordance with Section 504 of the Rehabilitation Act (Section 504) and the Americans with Disabilities Act (ADA), commits to nondiscrimination on the basis of disability, in all of its programs and activities. Specification materials can be made available in an alternate format by emailing Gail Himes at [ghimes@cityoftacoma.org](mailto:ghimes@cityoftacoma.org), or by calling her collect at 253-591-5785.

**Federal Title VI Information:**

"The City of Tacoma" in accordance with provisions of Title VI of the Civil Rights Act of 1964, (78 Stat. 252, 42 U.S.C. sections 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin in consideration of award.

**Additional Information:** Requests for information regarding the specifications may be obtained by contacting Debbie Seibert, Buyer by email to [dseibert@cityoftacoma.org](mailto:dseibert@cityoftacoma.org).

**Protest Policy:** City of Tacoma [protest policy](#), located at [www.tacomapurchasing.org](http://www.tacomapurchasing.org), specifies procedures for protests submitted prior to and after submittal deadline.



Meeting sites are accessible to persons with disabilities. Reasonable accommodations for persons with disabilities can be arranged with 48 hours advance notice by calling 253-502-8468.


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## SUBMITTAL CHECK LIST

This checklist identifies items to be included with your submittal. Any submittal received without these required items may be deemed non-responsive and not be considered for award.

Submittals must be received by the City of Tacoma Purchasing Division by the date and time specified in the Request for Bids page.

<b>The following items make up your submittal package:</b>	
One electronic copy of your complete submittal package (with original and copies clearly identified).	
Price Proposal Form (Section 28)	
Signature Page (Appendix A)	
<b>After award, the following documents will be executed:</b>	
Purchase Order	

## 1. BACKGROUND

The City of Tacoma (City) / Environmental Services Departments soliciting bids with qualified vendors to fulfill the City's needs for material procurement and fabrication to be used on a separate Environmental Services construction project. Contract(s) will be awarded to the lowest responsive and responsible bidder(s) based on price, product quality and availability.

This material will be used by Contractors at the South Tacoma Pump Station located at 3628 S 35th St, Tacoma, WA 98409.

Products that fail to meet City standards or any of the specifications herein may be rejected. Should a contracted vendor fail to meet quality and/or availability requirements contained in these specifications, the City may move to terminate the contract with 10 days written notice.

- 1.1 Material must be delivered to the above address on August 1, 2022.

## 2. CALENDAR OF EVENTS

This is a tentative schedule only and may be altered at the sole discretion of the City.

The anticipated schedule of events concerning this RFB is as follows:

Bid Posting:	<b>4/8/2022</b>
Question and Substitution Deadline:	<b>4/15/2022</b>
City response to Questions:	<b>4/18/2022</b>
Submittal Due Date:	<b>4/22/2022</b>
Anticipated Award Date:	<b>4/25/2022</b>

## 3. INQUIRIES

- 3.1 Please submit questions in writing to Dawn DeJarlais, Sr. Buyer via email to [ddejarlais@cityoftacoma.org](mailto:ddejarlais@cityoftacoma.org)

Make subject line read:

ES22-0123N - South Tacoma Pump Station Rehabilitation Phase 1 Material  
Procurement – VENDOR NAME

- 3.2 The City reserves the discretion to group similar questions to provide a single answer or not to respond when the requested information is confidential.
- 3.3 The answers are not typically considered an addendum.

- 3.4 The City will not be responsible for unsuccessful submittal of questions.

- 3.5** Written answers to questions will be posted in the event approximately one week after the question deadline.

#### **4. PRE-BID MEETING**

- 4.1** No pre-proposal meeting will be held; however, questions and request for clarifications of the specifications may be submitted as stated in the **inquires** section.

#### **5. DISCLAIMER**

The City is not liable for any costs incurred by the Respondent for the preparation of materials or a proposal submitted in response to this RFB, for conducting any presentations to the City, or any other activities related to responding to this RFB, or to any subsequent requirements of the contract negotiation process.

#### **6. DELIVERY**

- 6.1** Vendor shall store purchased material until August 1, 2022 and delivered to the City of Tacoma, 3628 S 35th St, Tacoma, WA 98409. Each vendor will be required to submit a delivery timeline they can commit to. Purchase order delivery dates will reflect this timeline. In the event a purchase order deliver date is not met, the City reserves the right to purchase these products elsewhere if they are in a time constraint. If constant late deliveries occur, the City may terminate the contract.
- 6.2** Hours of operation shall be Monday through Friday, 7:00 a.m. to 3:30 p.m., excluding legal holidays, as referred to in the Standard Terms and Conditions or as otherwise approved by the City.

#### **7. CONTRACT TERM**

The City reserves the right to cancel the contract for any reason, by written notice, as stipulated in the contract.

#### **8. RESPONSIVENESS**

Bid submittals must provide ten (10) days for acceptance by City from the due date for receipt of submittals. All submittals will be reviewed by the City to determine compliance with the requirements and instructions specified in this RFB. The Respondent is specifically notified that failure to comply with any part of this RFB may result in rejection of the submittal as non-responsive. The City reserves the right, in its sole discretion, to waive irregularities deemed immaterial. The City also reserves the right to not award a contract or to issue subsequent RFB's

#### **9. AWARD**

Award will be made to the lowest responsive, responsible bidder. All bidders shall provide unit or lump sum pricing for each line item. Each line item will be added up for a subtotal price. The

subtotal price will be compared amongst each bidder, including any payment discount terms offered twenty (20) days or more. The City may also take into consideration all other criteria for determining award, including evaluation factors set forth in Municipal Code Section 1.06.262.

All other elements or factors, whether or not specifically provided for in this specification, which would affect the final cost to and the benefits to be derived by the City will be considered in determining the award of the contract. The final award decision will be based on the best interests of the City.

The City reserves the right to let the contract to the lowest responsible bidder whose bid will be the most advantageous to the City, price and any other factors considered. In evaluating the proposals, the City may also consider any or all of the following:

1. Compliance with specification.
2. Proposal prices, listed separately if requested, as well as a lump sum total
3. Time of completion/delivery.
4. Warranty terms.
5. Bidder's responsibility based on, but not limited to:
  - a) Ability, capacity, organization, technical qualifications and skill to perform the contract or provide the services required.
  - b) References, judgment, experience, efficiency and stability.
  - c) Whether the contract can be performed within the time specified.
  - d) Quality of performance of previous contracts or services

## **10. PRICE ADJUSTMENTS**

Bid submittal prices will establish a base against which Contractors may request price adjustments per the following terms:

1. Contractor shall submit proposed price changes in writing to the contract administrator (contract information provided after award) 45 days prior to the effective date
2. The city reserves the right to accept or reject all such price adjustments
3. Price increases will be adjusted only to the amount of cost increase to Contractor. No adjustment will be made for Contractor profit margin
4. Any proposed price increase to Contract line items must be beyond the control of the contractor and supported by written documentation from the manufacturer or wholesale distributor, indicating new higher cost adjustments in effect
5. Increase requests may be evaluated against various market conditions, including but not limited to:
  - a) Consumer Price Index for Seattle - Tacoma - Bremerton, All Items 1982-84+100, for comparable period
  - b) Consumer Price Index for All Urban Consumers (CPI-U) for the U.S. City Average Index for All Items, 1982-84=100, unadjusted for the comparable period
  - c) State/federal regulations affecting production costs of the materials
  - d) Volatile commodity market conditions
  - e) Various producer price or commodity indices

- f) Minimum wage adjustments

## **11. STANDARD TERMS AND CONDITIONS**

City of Tacoma [Standard Terms and Conditions](#) apply.

## **12. INSURANCE REQUIREMENTS**

Successful proposer will provide proof and maintain the insurance coverage in the amounts and in the manner specified in the City of Tacoma Insurance Requirements document applicable to the services, products, and deliverables provided under the solicitation. The City of Tacoma Insurance Requirements document is fully incorporated into the solicitation by reference, see Appendix C.

## **13. WARRANTY Material and Equipment: Manufacturer's warranty or minimum one-year warranty whichever is greater.**

Contractor shall arrive on-site at the 3628 S 35th St, Tacoma, WA 98409 within 48 hours of notification for all warranty repairs during normal work hours of 8:00 a.m. to 5:00 p.m. Monday through Friday. Repairs shall include free pick-up and delivery. Repairs must be completed and vehicle returned within 48 hours of pick-up.

Contractor agrees to allow City to make minor warranty repairs where that is most cost effective and, if requested, contractor will credit City for cost of parts, but not labor.

Vendor will warrant goods according to the manufacturer's warranty guidelines. The start of the warranty commences once the goods are delivered and accepted by the City.

## **14. INSPECTION**

All goods are subject to final inspection and acceptance by the City. If any inspection fails, the vendor shall be required to make arrangements to exchange the goods at their own expense and replace it in a timely manner acceptable to the City.

Material failing to meet the requirements of this contract will be held at Vendor's risk and may be returned to Vendor. If so returned, the cost of transportation, unpacking, inspection, repackaging, reshipping, or other like expenses are the responsibility of the Vendor.

## **15. REPORTS**

After the conclusion of the contract, upon request from the City to facilitate a new bid process, contractor shall furnish a list that cross references the manufacturer model numbers specified in this bid to the current model numbers.

## **16. APPROVED ITEM EQUIVALENT**

A specific manufacturer for almost all line items has been listed in the Technical Specifications because this is the current manufacturer accepted. For those line items, which do not list a



specific manufacturer, bidders shall provide the technical specifications for the manufacturer they are offering. The City may request, after the bid due date, a sample of that product for review and approval by the City. The City reserves all rights to be the sole judge as to whether any other manufacturer can meet or exceed the current specifications they use. Unless an item is indicated "No Substitute", approved equivalents shall be submitted by the date listed in the Calendar of Events section. Please submit any substitutions for approval using the form attached in Appendix B. Equivalents will be approved by Addendum to the solicitation.

## **17. COMPLIANCE WITH SPECIFICATIONS**

All products shall be new and unused. Any product that does not comply with any part of these technical specifications shall be rejected and the vendor shall, at its own expense, including shipping, replace the item.

## **18. MATERIALS AND WORKMANSHIP**

The successful bidder shall be required to furnish all materials necessary to perform contractual requirements. Materials and workmanship for this contract shall conform to all codes, regulations and requirements for such specifications contained herein and the normal uses for which intended. Material shall be manufactured in accordance with the best commercial practices and standards for this type of goods. All literature and products must be packaged and labeled to sell in the United States.

## **19. DAMAGED GOODS**

The vendor shall replace any orders that are damaged in transit. They will be notified by the City and they must arrange to have damaged orders picked up within 48 hours' notice (excluding weekends and holidays). Vendor will pay all expenses incurred to ship damaged goods back to manufacturer or their own warehouse.

## **20. UPDATED PRODUCTS**

During the contract term, if items on the contract are being replaced and updated by the manufacturer, the supplier may submit the manufacturer information, technical specifications and pricing to the City for consideration. The supplier shall provide this updated product information to the City as soon as it becomes available by the manufacturer. The City will work with Purchasing Division to review the information submitted and either accept or reject the product. If the replacement product is not approved, the vendor will be notified and the current item on the contract will be removed. Because of fixed pricing, the replacement item must be offered at the same price.

## **21. PRODUCT DISCONTINUED**

During the contract term, if the supplier discontinues carrying any of the contracted items, they must notify the City and the Purchasing office within 30 calendar days. The City reserves the right to seek other suppliers to supply those items or purchase directly from the manufacturer or their designated distributor until the contract term ends.

## **22. QUANTITIES AND PURCHASE ORDERS**

The quantities listed are from the attachments listed in **Section 28**. Delivery will be according to purchase order of the contract.

## **23. CONTENT TO BE SUBMITTED – This section represents 100% of the possible scoring criteria.**

- 23.1** The City cannot legally accept a substantial deviation from the Specification. Bids/Proposals containing any substantial deviation may be rejected as non-responsive. It is agreed that you will perform according to the highest standard indicated.
- 23.2** Prices shall be quoted F.O.B. Destination, freight prepaid and allowed.
- 23.3** Vendor shall purchase material and store for delivery until August 1, 2022 (95 Calendar Days following receipt of a purchase order and all subsequent purchase orders during the term of the Contract ) and deliver to the City of Tacoma, 3628 S 35th St, Tacoma, WA 98409.
- 23.4** Provide manufacturer's standard warranty (minimum 1-year) for each product supplied starting from date of delivery to Owner/Installing Contractor assumed to be August 1, 2022.
- 23.5** Submit proposed guarantee and/or warranty information
- 23.6** Provide a copy of your Contractor's State Safety Violations Record for the last three years. Contact the Department of Labor and Industries, Public Records Unit at 360-902-5532. They require your request in writing; please allow a minimum of three days for them to submit the information to you.
- 23.7** See Submittal Check List for all required content.

## **24. ENVIRONMENTALLY PREFERABLE PROCUREMENT**

In accordance with the City of Tacoma's [Sustainable Procurement Policy](#), it is the policy of the City of Tacoma to encourage the use of products or services that help to minimize the environmental and human health impacts of City Operations. Respondents are encouraged to incorporate environmentally preferable products or services that have a lesser or reduced effect on human health and the environment when compared with competing products or services that serve the same purpose. This comparison may consider raw materials acquisition, products, manufacturing, packaging, distribution reuse, operation, maintenance or disposal of the product or service.

The City of Tacoma encourages the use of sustainability practices and desires any awarded contractor(s) to assist in efforts to address such factors when feasible for:

- Reduction of pollutant releases
- Toxicity of materials used
- Waste generation
- Greenhouse gas emissions, including transportation of materials and services
- Recycle content
- Comprehensive energy conservation measures
- Waste management reduction plans
- Potential impact on human health and the environment

## **25. EQUITY IN CONTRACTING**

The City of Tacoma is committed to encouraging firms certified through the [Washington State Office of Minority and Women's Business Enterprise](#) to participate in City contracting opportunities. See the **TMC 1.07 Equity in Contracting Policy** at the City's [Equity in Contracting Program website](#).

## **26. PROPRIETARY OR CONFIDENTIAL INFORMATION**

The Washington State Public Disclosure Act ([RCW 42.56 et seq.](#)) requires public agencies in Washington make public records available for inspection and copying unless they fall within the specified exemptions contained in the Act, or are otherwise privileged. Documents submitted under this RFB shall be considered public records and, with limited exceptions, will be made available for inspection and copying by the public.

Information that is confidential or proprietary must be clearly marked. Further, an index must be provided indicating the affected page number(s) and location(s) of all such identified material. Information not included in said index will not be reviewed for confidentiality or as proprietary before release.

## 27. PRICING

Name	Description	Price	Quantity	Unit of Measure	Mfr. Name (Optional)	Mfr. Part Id (Optional)
Promag W 400 flowmeter 30" dia	5W4C7F, DN750 30" Order Code: 5W4C7F-45D0/0 with remote transmitter		1	EACH	ENDRESS HAUSER	5W4C7F-45D0/0
ProMag Grounding Disc	grounding disc/protection disc Model no.: DK5GD-7FAHP. Nominal Diameter: DN750 30"		2	EACH	ENDRESS HAUSER	DK5GD-7FAHP
Wall Sleeve 20" dia	3 feet 9 inches long, 20" diameter 316L stainless steel pipe wall sleeve, Plain End X Flanged End, with annular ring. (per attachment 4)		1	EACH		
Wall Sleeve 30" dia	3 feet 9 inches long, 30" diameter 316L stainless steel pipe wall sleeve, Plain End X Flanged End, with annular ring. (per attachment 4)		1	EACH		
Wall Sleeve 48" inside dia	3 feet long, 48" inside diameter 316L stainless steel pipe wall sleeve, Plain End X Plain End, with annular ring. (per attachment 5)		1	EACH		
Flanged Coupling Adapter	14" diameter Romac FC400 steel flanged coupling adapter with manufacturer standard fusion bonded epoxy lining and coating. (per attachment 2)		8	EACH	ROMAC INDUSTRIES, INC	
Spool 14" dia	4 feet long, 14" diameter Plan End X Plain End Steel Spool. Poly lined. (per attachment 2)		4	EACH		
Fitting 24" dia with 14" dia outlets	24" diameter Flange End X Grooved End fabricated steel fitting with two 14" diameter Flange End outlets. Poly lined. (per attachment 2)		1	EACH		
Blind Flange 24" dia	24" diameter steel Blind Flange with 1" thread tap and plug centered. Poly lined. (per attachment 2)		1	EACH		
Tie Rod & Lugs	Romac Style 490 Alloy Steel Tie Rods and Harness Lugs. (per attachment 2)		8	EACH	ROMAC INDUSTRIES, INC	
Fitting	30" diameter Grooved End X 24" diameter Grooved End fabricated steel fitting		1	EACH		

30" dia with 14" and 24" dia outlets	with 14" diameter Flange End outlet. Poly lined. (per attachment 2)					
Fitting 30" dia with 14" dia outlet	30" diameter Grooved End X Grooved End fabricated steel fitting with 14" diameter Flange End outlet. Poly lined. (per attachment 2)		1	EACH		
Spool 30" dia	3 feet long, 30" diameter Plain End X Flanged End steel Spool. Poly lined. (per attachment 2)		1	EACH		
Coupling 30" dia	30" diameter Victaulic Style W77 with flushseal nitrile gasket and standard bolts, nuts, and gaskets. (per attachment 2)		2	EACH	VICTAULIC	
Coupling 24" dia	24" diameter Victaulic Style W77 with flushseal nitrile gasket and standard bolts, nuts, and gaskets. (per attachment 2)		1	EACH	VICTAULIC	
Spool 30" dia	5 feet long, 30" diameter Flange End X Groove End steel Spool with annular ring. Poly lined X tape wrap coated (buried portion only). (per attachments 2 and 3)		1	EACH		
Coupling 30" dia	30" diameter Victaulic Style W77 with flushseal nitrile gaskets and 316 Stainless Steel bolts and nuts. Epoxy coat per AWWA C210. (per attachment 3)		6	EACH	VICTAULIC	
Coupling 20" dia	20" diameter Victaulic Style W77 with flushseal nitrile gaskets and 316 Stainless Steel bolts and nuts. Epoxy coat per AWWA C210. (per attachment 3)		6	EACH	VICTAULIC	
45 deg long radius bend 30" dia	30" diameter 45 degree long radius steel bend, Grooved End X Grooved End, in accordance with ASME B16.9 and ASTM A234 WPB. Poly lined X tape wrap coated. (per attachment 3)		2	EACH		
45 deg long radius bend 20" dia	20" diameter 45 degree long radius steel bend, Grooved End X Grooved End, in accordance with ASME B16.9 and ASTM A234 WPB. Poly lined X tape wrap coated. (per attachment 3)		1	EACH		
90 deg long radius bend 20" dia	20" diameter 90 degree long radius steel bend, Grooved End X Grooved		1	EACH		

	End, in accordance with ASME B16.9 and ASTM A234 WPB. Poly lined X tape wrap coated. (per attachment 3)					
Spool 20" dia	12 feet long, 20" diameter Plain End X Grooved End steel Spool. Poly lined X tape wrap coated. (per attachment 3)		1	EACH		
Spool 20" dia	8 feet long, 20" diameter Plain End X Grooved End steel Spool. Poly lined X tape wrap coated. (per attachment 3)		1	EACH		
Spool 20" dia	25 feet long, 20" diameter Plain End X Grooved End steel Spool. Poly lined X tape wrap coated. (per attachment 3)		1	EACH		
Spool 20" dia	7 feet long, 20" diameter Grooved End X Grooved End steel Spool. Poly lined X tape wrap coated (buried portion only). (per attachment 3)		1	EACH		
Spool 30" dia	10 feet long, 30" diameter Plain End X Grooved End steel Spool. Poly lined X tape wrap coated. (per attachment 3)		1	EACH		
Spool 30" dia	20 feet long, 30" diameter Plain End X Grooved End steel Spool. Poly lined X tape wrap coated. (per attachment 3)		1	EACH		
Spool 30" dia	7 feet long, 30" diameter Grooved End X Grooved End steel Spool. Poly lined X tape wrap coated. (per attachment 3)		1	EACH		
Coupling 20" dia	20" diameter Victaulic Style W741 AGS VIC-FLANGE Adapter with nitrile gasket. (per attachment 3)		1	EACH	VICTAULIC	
Spare Tape Wrap	Spare tape wrap to field wrap 10 feet of 20" diameter steel pipe. (per attachment 1)		1	EACH	POLYKEN	
Spare Tape Wrap	Spare tape wrap to field wrap 10 feet of 30" diameter steel pipe. (per attachment 1)		1	EACH	POLYKEN	
Spare Polyurethane Lining	Spare polyurethane lining to field coat four (4) field cut ends of 14" dia, three (3) field cut ends of 20" dia, and three (3) field cut ends of 30" diameter steel pipe. (per attachment 1)		1	EACH	POLYKEN	

	<b>Subtotal</b>	<b>\$</b>				
	<b>Sales Tax</b>	<b>\$</b>				
	<b>Grand Total</b>	<b>\$</b>				

**28. SECTION 2 – MATERIAL FABRICATION DETAILS (ATTACHMENTS)**

*The following details are required in order to meet material specifications and required to have a 100% approved submittal.*



GENERAL NOTES:

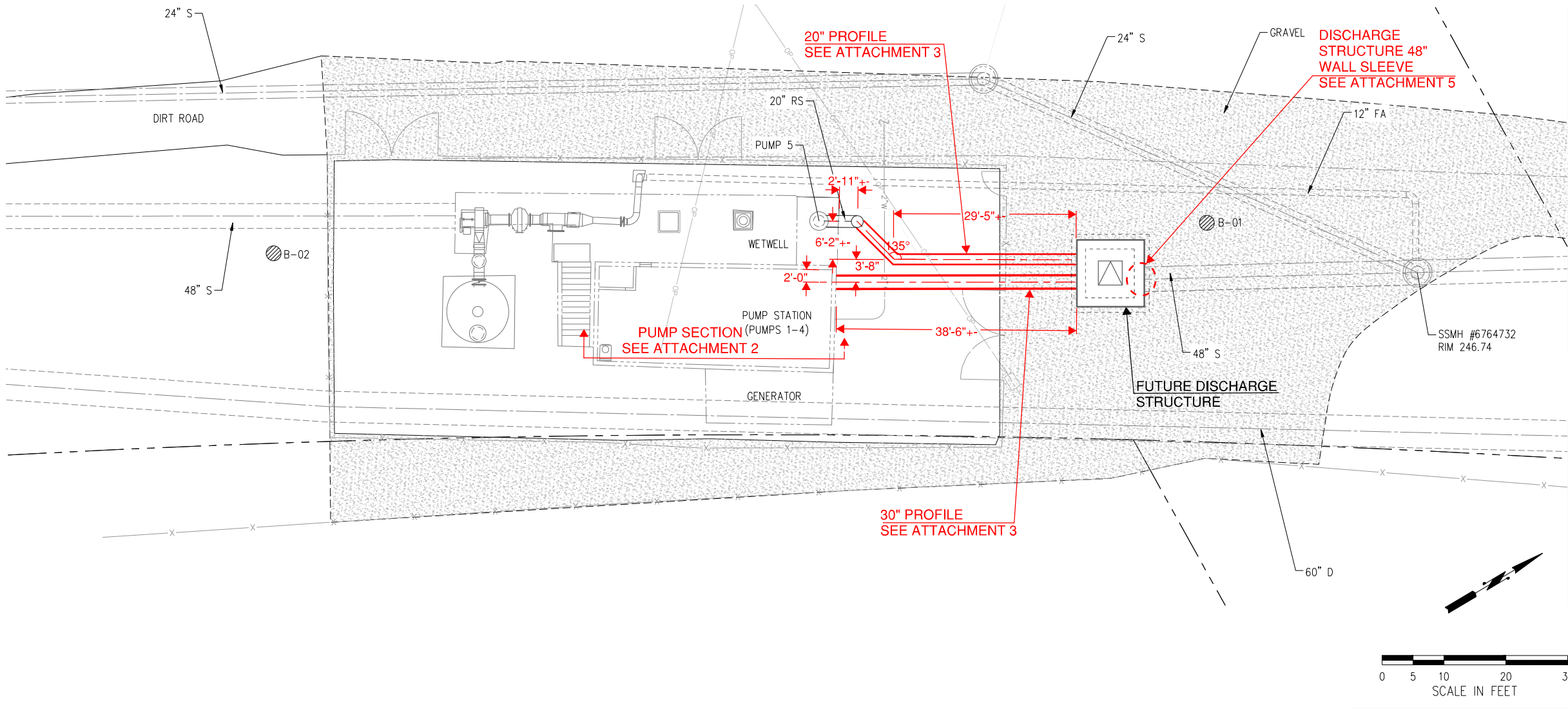
- 1. THIS DRAWING IS ANNOTATED IN BLUEBEAM USING EXISTING BACKGROUND IMAGES. MATERIAL PROCUREMENT IS DEPICTED IN RED. ALL DIMENSIONS PROVIDED ARE APPROXIMATE, AS MEASURED BY HAND IN THE FIELD. AS SUCH, LENGTHS OF SPECIFIC PIPE SEGMENTS ARE DEFINED TO ALLOW THE INSTALLING CONTRACTOR TO FIELD CUT TO LENGTH BASED ON ACTUAL CONDITIONS.
- 2. ALL REFERENCES TO "CONTRACTOR" REFER TO THE INSTALLING CONTRACTOR AND ARE INCLUDED HEREIN FOR INFORMATIONAL PURPOSES.

STEEL PIPE SPECIFICATIONS:

- 1. PROVIDE 3/8" THICK WELDED STEEL PIPE PER ASTM A53 GRADE B ELECTRIC RESISTANCE WELDED (FOR 14") AND ANSI/API 5L GRADE B (FOR >14"). BUTTWELD FITTINGS PER ASTM A234. PERFORM WELDING IN ACCORDANCE WITH ASME SECTION IX BY QUALIFIED WELDERS. SHOP LINE EXPOSED AND BURIED STEEL PIPE WITH 60 MILS LIFELAST DURASHIELD 310 PER AWWA C222. SHOP COAT BURIED STEEL PIPE WITH 80 MILS MIN TAPE WRAP PER AWWA C214, POLYKEN YGIII SYSTEM OR EQUIVALENT POLYKEN SYSTEM FOR FITTINGS. EXPOSED STEEL PIPE WILL BE FIELD COATED BY INSTALLING CONTRACTOR. SHOP LINE AND COAT PIPE PER PRODUCT MANUFACTURER'S INSTRUCTIONS, BY APPLICATORS APPROVED BY THE PRODUCT MANUFACTURER. PROVIDE FLANGED CONNECTIONS WHERE DEPICTED TO MATCH ANSI CL 125/150 BOLT HOLE PATTERNS AND ADVANCED GROOVE SYSTEM (AGS) ROLL GROOVE PER VICTAULIC SPECIFICATIONS FOR GROOVED CONNECTIONS.
- 2. PROVIDE SPARE TAPE WRAP COATING TO ALLOW THE INSTALLING CONTRACTOR TO FIELD WRAP APPROXIMATELY 10 FEET OF 20-INCH DIAMETER STEEL PIPE AND 10 FEET OF 30-INCH DIAMETER STEEL PIPE. PROVIDE SPARE POLYURETHANE LINING TO ALLOW THE INSTALLING CONTRACTOR TO FIELD COAT FOUR (4) FIELD CUT ENDS OF 14-INCH DIAMETER STEEL PIPE, THREE (3) FIELD CUT ENDS OF 20-INCH DIAMETER STEEL PIPE, AND THREE (3) FIELD CUT ENDS OF 30-INCH DIAMETER STEEL PIPE.

SUBMITTAL REQUIREMENTS:

- 1. PROVIDE SUBMITTALS WITHIN 10 DAYS OF NOTICE TO PROCEED.
- 2. SUBMIT PRODUCT DATA FOR ALL PIPING, COUPLINGS, AND APPURTENANCES SUPPLIED.
- 3. PROVIDE MANUFACTURER'S STANDARD WARRANTY (MINIMUM 1-YEAR) FOR EACH PRODUCT SUPPLIED STARTING FROM DATE OF DELIVERY TO THE OWNER/INSTALLING CONTRACTOR ASSUMED TO BE AUGUST 1, 2022.
- 4. SUBMIT STEEL PIPE MATERIAL CERTIFICATIONS AND WELDER QUALIFICATIONS AND PROCEDURES.
- 5. SUBMIT STEEL PIPE LINING AND COATING APPLICATOR CERTIFICATIONS AND QUALIFICATIONS.
- 6. SUBMIT SHOP/FABRICATION DRAWINGS IN AUTOCAD AND PDF FORMAT DIMENSIONING ALL PIPE AND APPURTENANCES SUPPLIED.
- 7. SUBMIT A BILL OF MATERIAL LISTING DESCRIPTIONS AND QUANTITIES OF ALL PRODUCTS SUPPLIED.
- 8. EQUIVALENT (OR EQUAL) PRODUCTS WILL BE SUBJECT TO REVIEW AND APPROVAL BY THE OWNER.

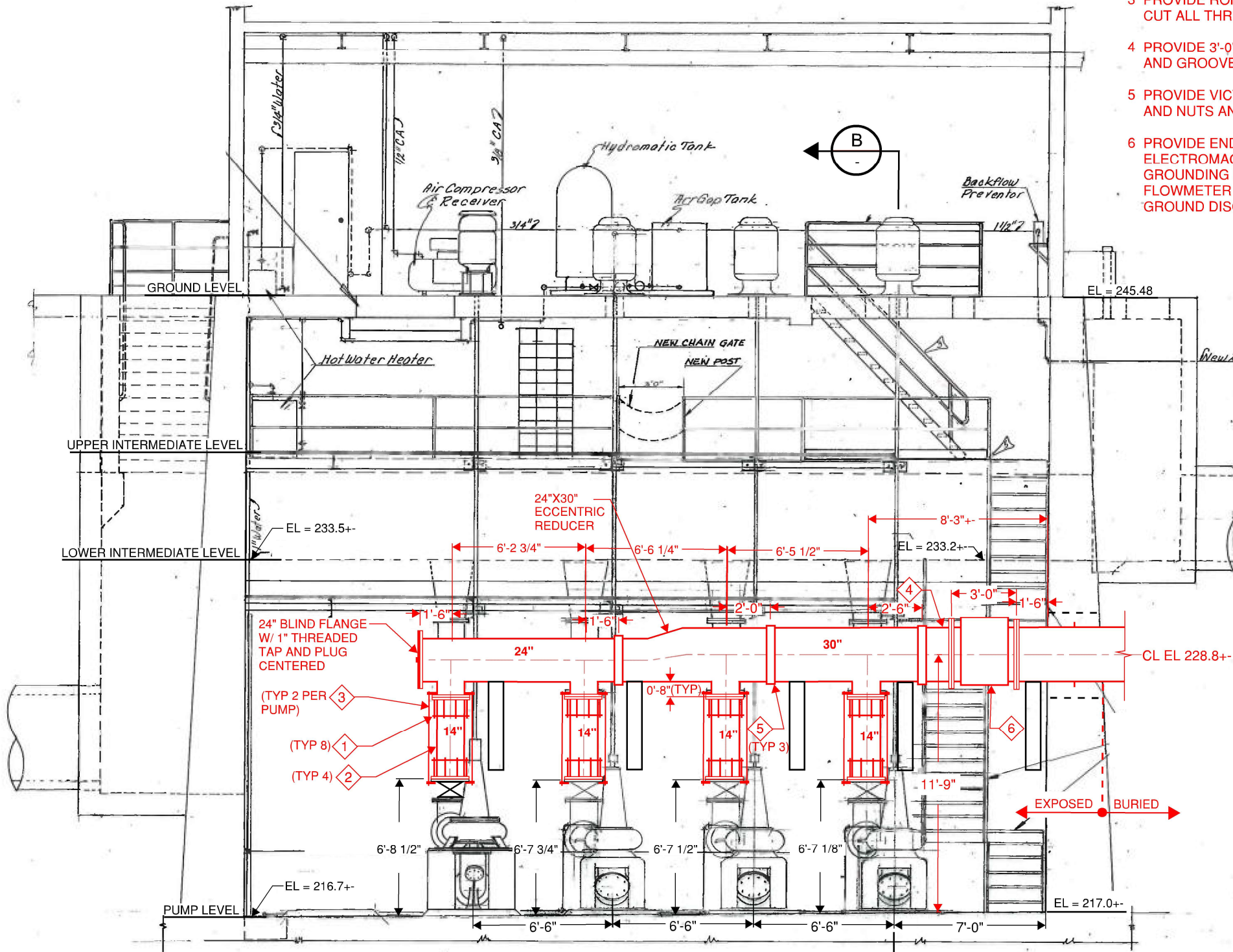


GENERAL NOTES:

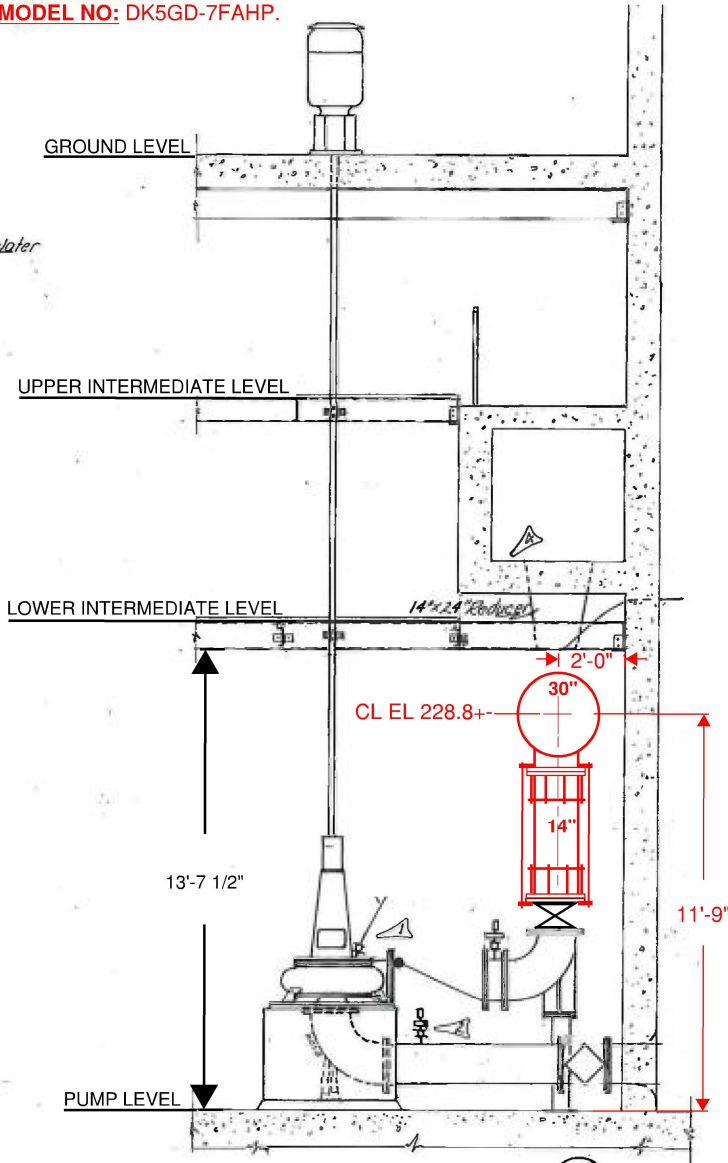
- 1. THIS DRAWING IS ANNOTATED IN BLUEBEAM USING EXISTING BACKGROUND IMAGES. MATERIAL PROCUREMENT IS DEPICTED IN RED. ALL DIMENSIONS PROVIDED ARE APPROXIMATE, AS MEASURED BY HAND IN THE FIELD. AS SUCH, LENGTHS OF SPECIFIC PIPE SEGMENTS ARE DEFINED TO ALLOW THE INSTALLING CONTRACTOR TO FIELD CUT TO LENGTH BASED ON ACTUAL CONDITIONS.
- 2. ALL REFERENCES TO "CONTRACTOR" REFER TO THE INSTALLING CONTRACTOR AND ARE INCLUDED HEREIN FOR INFORMATIONAL PURPOSES.

KEY NOTES: #

- 1 PROVIDE ROMAC FC400 STEEL FLANGED COUPLING ADAPTER WITH MFR STD FUSION BONDED EPOXY LINING AND COATING.
- 2 PROVIDE 4'-0" LONG PLAIN END X PLAIN END STEEL SPOOL. CONTRACTOR TO FIELD CUT TO MATCH FINAL PIPING LAYOUT.
- 3 PROVIDE ROMAC STYLE 490 ALLOY STEEL TIE RODS AND HARNESS LUGS. CONTRACTOR TO CUT ALL THREAD TIE RODS TO REQUIRED LENGTH DURING INSTALLATION.
- 4 PROVIDE 3'-0" LONG PLAIN END X FLANGED END STEEL SPOOL. CONTRACTOR TO FIELD CUT AND GROOVE TO MATCH FINAL PIPING LAYOUT.
- 5 PROVIDE VICTAULIC STYLE W77 WITH FLUSHSEAL NITRILE GASKET AND STANDARD BOLTS AND NUTS AND COATING.
- 6 PROVIDE ENDRESS AND HAUSER PROLINE PROMAG W 400, 5W4C7F, DN750 30" ELECTROMAGNETIC FLOWMETER WITH REMOTE MOUNT TRANSMITTER AND TWO GROUNDING DISCS. FLOWMETER **ORDER CODE:** 5W4CF-45D0/0. GROUND DISC **MODEL NO:** DK5GD-7FAHP.



PUMP SECTION  
NOT TO SCALE



SECTION  
NOT TO SCALE

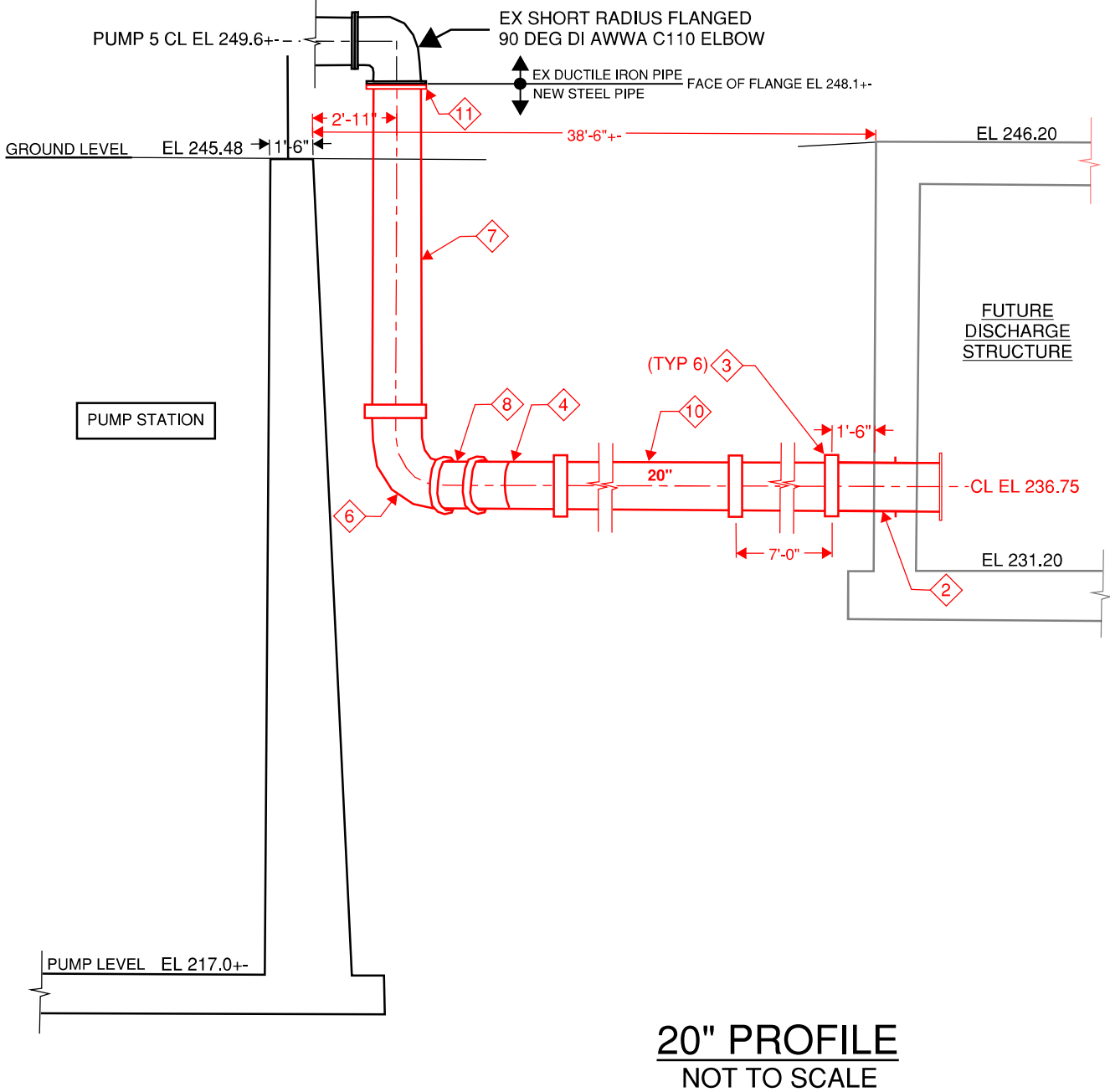
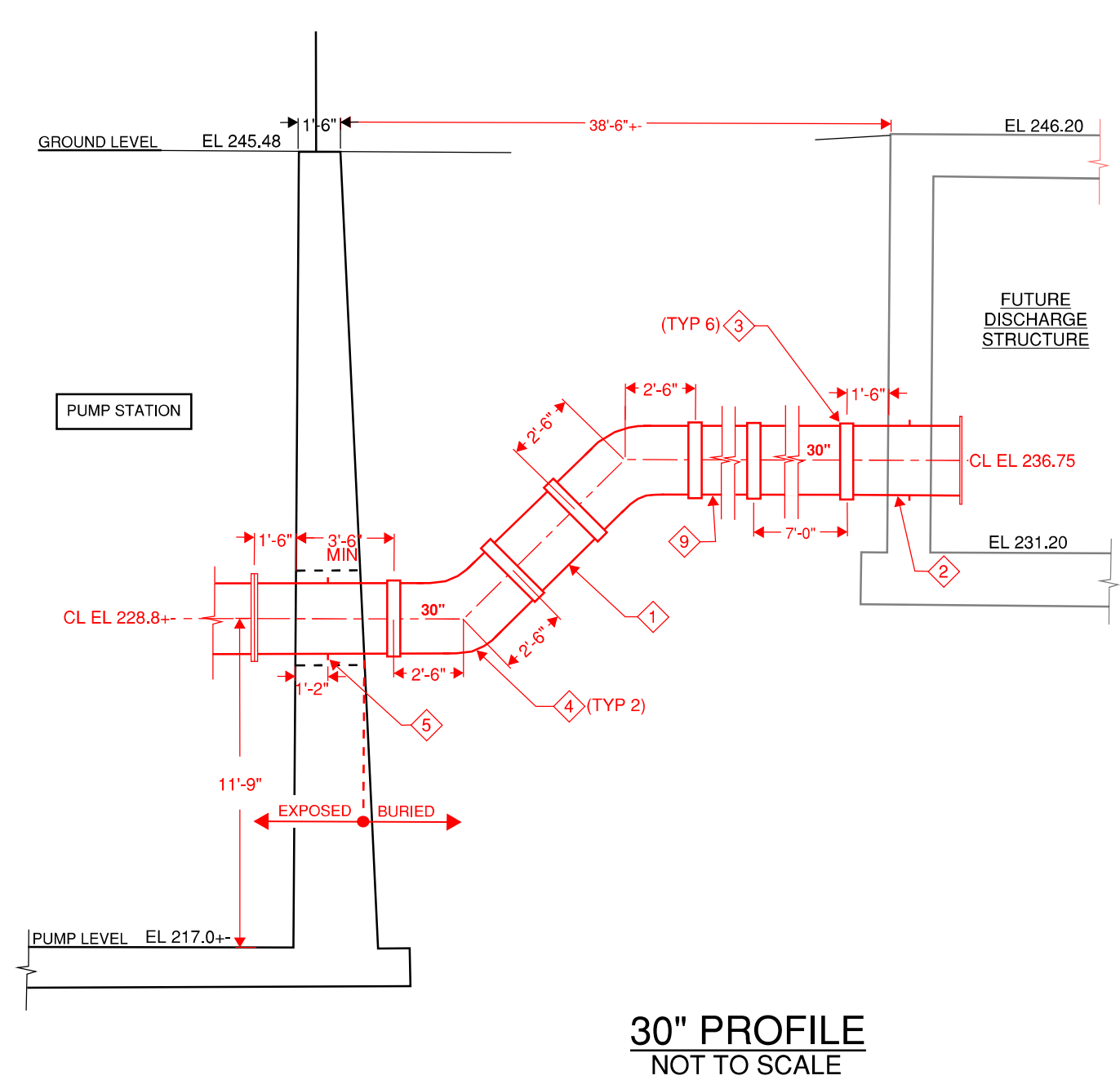


GENERAL NOTES:

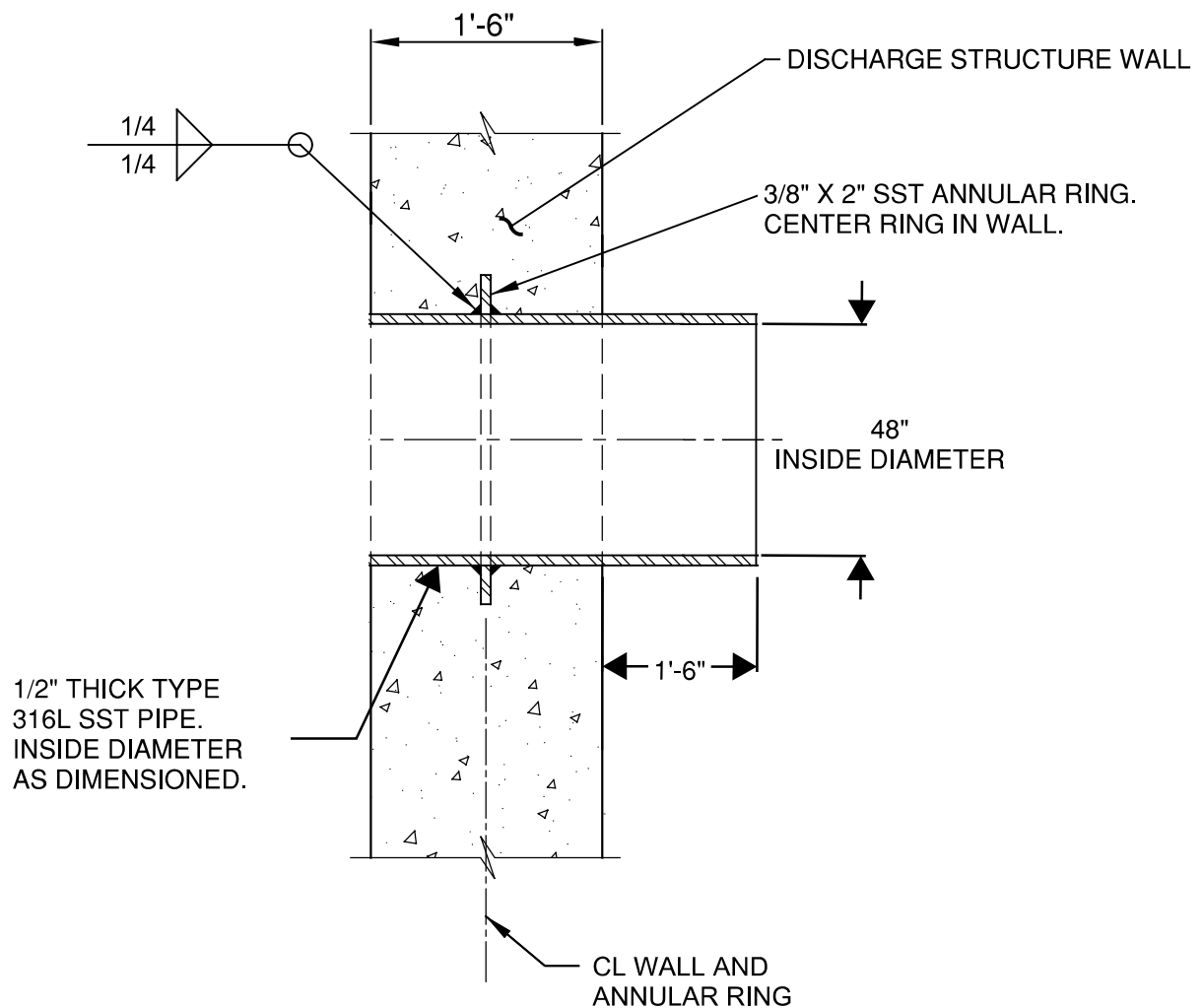
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2. ALL REFERENCES TO "CONTRACTOR" REFER TO THE INSTALLING CONTRACTOR AND ARE INCLUDED HEREIN FOR INFORMATIONAL PURPOSES.

KEY NOTES: #

- 1 PROVIDE 10'-0" LONG PLAIN END X GROOVED END SPOOL. CONTRACTOR TO FIELD CUT AND GROOVE PLAIN END TO MATCH FINAL PIPING LAYOUT.
- 2 PROVIDE TYPE 316L STAINLESS STEEL WALL SLEEVE PER ATTACHMENT 4.
- 3 PROVIDE VICTAULIC STYLE W77 WITH FLUSHSEAL NITRILE GASKET, TYPE 316 STAINLESS STEEL BOLTS AND NUTS, AND EPOXY COATED PER AWWA C210.
- 4 PROVIDE 45 DEGREE LONG RADIUS BEND IN ACCORDANCE WITH ASME B16.9 AND ASTM A234 WPB.
- 5 PROVIDE 3/8" X 2" ANNULAR RING. WELD TO PIPE WITH 1/4" FILLET WELD, BOTH SIDES, ALL AROUND PIPE CIRCUMFERENCE.
- 6 PROVIDE 90 DEGREE LONG RADIUS BEND IN ACCORDANCE WITH ASME B16.9 AND ASTM A234 WPB. ROLL AT 45 DEGREE ANGLE TO MATCH PLAN LAYOUT OF PIPING.
- 7 PROVIDE 12'-0" LONG PLAIN END X GROOVED END SPOOL. CONTRACTOR TO FIELD CUT AND GROOVE PLAIN END PER FLANGE ADAPTER TO MATCH FINAL PIPING LAYOUT.
- 8 PROVIDE 8'-0" LONG PLAIN END X GROOVED END SPOOL. CONTRACTOR TO FIELD CUT AND GROOVE PLAIN END TO MATCH FINAL PIPING LAYOUT.
- 9 PROVIDE 20'-0" LONG PLAIN END X GROOVED END SPOOL. CONTRACTOR TO FIELD CUT AND GROOVE PLAIN END TO MATCH FINAL PIPING LAYOUT.
- 10 PROVIDE 25'-0" LONG PLAIN END X GROOVED END SPOOL. CONTRACTOR TO FIELD CUT AND GROOVE PLAIN END TO MATCH FINAL PIPING LAYOUT.
- 11 PROVIDE VICTAULIC STYLE W741 AGS VIC-FLANGE ADAPTER WITH NITRILE GASKET.







**NOTES:**

1. PICKLE AND PASSIVATE STAINLESS STEEL WALL SLEEVE AT POINT OF MANUFACTURE PER ASTM A380.

**DISCHARGE STRUCTURE 48" WALL SLEEVE**  
NOT TO SCALE

**ATTACHMENT 5**

## **APPENDIX A**

### **BID FORMS**

## SIGNATURE PAGE

### **CITY OF TACOMA ENVIRONMENTAL SERVICES DEPARTMENT**

All submittals must be in ink or typewritten, executed by a duly authorized officer or representative of the bidding/proposing entity, and received and time stamped as directed in the **Request for Bids page near the beginning of the specification**. If the bidder/proposer is a subsidiary or doing business on behalf of another entity, so state, and provide the firm name under which business is hereby transacted.

#### **REQUEST FOR BIDS SPECIFICATION NO. ES22-0123N South Tacoma Pump Station Rehabilitation Phase 1 Material Procurement**

The undersigned bidder/proposer hereby agrees to execute the proposed contract and furnish all materials, labor, tools, equipment and all other facilities and services in accordance with these specifications.

The bidder/proposer agrees, by submitting a bid/proposal under these specifications, that in the event any litigation should arise concerning the submission of bids/proposals or the award of contract under this specification, Request for Bids, Request for Proposals or Request for Qualifications, the venue of such action or litigation shall be in the Superior Court of the State of Washington, in and for the County of Pierce.

#### **Non-Collusion Declaration**

*The undersigned bidder/proposer hereby certifies under penalty of perjury that this bid/proposal is genuine and not a sham or collusive bid/proposal, or made in the interests or on behalf of any person or entity not herein named; and that said bidder/proposer has not directly or indirectly induced or solicited any contractor or supplier on the above work to put in a sham bid/proposal or any person or entity to refrain from submitting a bid/proposal; and that said bidder/proposer has not, in any manner, sought by collusion to secure to itself an advantage over any other contractor(s) or person(s).*

\_\_\_\_\_  
Bidder/Proposer's Registered Name

\_\_\_\_\_  
Signature of Person Authorized to Enter      Date  
into Contracts for Bidder/Proposer

\_\_\_\_\_  
Address

\_\_\_\_\_  
Printed Name and Title

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

\_\_\_\_\_  
(Area Code) Telephone Number / Fax Number

\_\_\_\_\_  
E-Mail Address

\_\_\_\_\_  
State Business License Number  
in WA, also known as UBI (Unified Business Identifier) Number

\_\_\_\_\_  
E.I.No. / Federal Social Security Number Used on Quarterly  
Federal Tax Return, U.S. Treasury Dept. Form 941

\_\_\_\_\_  
State Contractor's License Number  
(See Ch. 18.27, R.C.W.)

\_\_\_\_\_  
E-Mail Address for Communications

Addendum acknowledgement #1 \_\_\_\_\_ #2 \_\_\_\_\_ #3 \_\_\_\_\_ #4 \_\_\_\_\_ #5 \_\_\_\_\_

***THIS PAGE MUST BE SIGNED AND RETURNED WITH SUBMITTAL.***

**APPENDIX B**  
**SUBSTITUTION FORM**





City of Tacoma  
Environmental Services Department  
Science and Engineering Division

# Substitution Request Form

Project: \_\_\_\_\_ Substitution Request Number: \_\_\_\_\_  
\_\_\_\_\_  
From: \_\_\_\_\_  
To: \_\_\_\_\_ Date: \_\_\_\_\_  
\_\_\_\_\_  
Owner Project Number: \_\_\_\_\_  
Re: \_\_\_\_\_ Contract For: \_\_\_\_\_

Specification Title: \_\_\_\_\_ Description: \_\_\_\_\_  
Section: \_\_\_\_\_ Page: \_\_\_\_\_ Article/Paragraph: \_\_\_\_\_

Proposed Substitution: \_\_\_\_\_

Manufacturer: \_\_\_\_\_ Address: \_\_\_\_\_ Phone: \_\_\_\_\_

Trade Name: \_\_\_\_\_ Model No.: \_\_\_\_\_

Installer: \_\_\_\_\_ Address: \_\_\_\_\_ Phone: \_\_\_\_\_

History: ☐ New product ☐ 2-5 years old ☐ 5-10 yrs old ☐ More than 10 years old

Complies with American Iron and Steel (AIS) Requirements: ☐ Yes ☐ No ☐ N/A

Differences between proposed substitution and specified product: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

☐ Point-by-point comparative data attached - REQUIRED BY OWNER

Reason for not providing specified item: \_\_\_\_\_  
\_\_\_\_\_

Similar Installation:

Project: \_\_\_\_\_ Architect: \_\_\_\_\_

Address: \_\_\_\_\_ Owner: \_\_\_\_\_

\_\_\_\_\_ Date Installed: \_\_\_\_\_

Proposed substitution affects other parts of Work: ☐ No ☐ Yes; explain \_\_\_\_\_

Savings to Owner for accepting substitution: \_\_\_\_\_ (\$ \_\_\_\_\_).

Proposed substitution changes Contract Time: ☐ No ☐ Yes [Add] [Deduct] \_\_\_\_\_ days.

When is material required to be on site?: \_\_\_\_\_

Product Requirements

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Supporting Data Attached: ☐ Drawings ☐ Product Data ☐ Samples ☐ Tests ☐ Reports ☐ \_\_\_\_\_

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The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Cost and schedule data as stated above is complete. Claims for additional costs or time related to accepted substitution which may subsequently become apparent are to be waived.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including Engineer design, detailing, and construction costs caused by the substitution.
- Coordination, installation, and changes in the Work as necessary for accepted substitution will be complete in all respects.

---

Submitted by: \_\_\_\_\_

Signed by: \_\_\_\_\_

Firm: \_\_\_\_\_

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

Telephone: \_\_\_\_\_

Attachments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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#### OWNER'S REVIEW AND ACTION

- ☐ Substitution accepted - Make submittals in accordance with Specification Section 01\_33\_00.  
☐ Substitution accepted as noted - Make submittals in accordance with Specification Section 01\_33\_00  
☐ Substitution rejected - Use specified materials.  
☐ Substitution Request received too late - Use specified materials.

Signed by:

Date:

Additional Comments: ☐ Contractor ☐ Subcontractor ☐ Supplier ☐ Manufacturer ☐ Owner ☐ \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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Product Requirements

## **APPENDIX C**

### **INSURANCE REQUIREMENTS**



# CITY OF TACOMA INSURANCE REQUIREMENTS FOR CONTRACTS

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The Contractor (Contractor) shall maintain at least the minimum insurance set forth below. By requiring such minimum insurance, the City of Tacoma shall not be deemed or construed to have assessed the risk that may be applicable to Contractor under this Contract. Contractor shall assess its own risks and, if it deems appropriate and/or prudent, maintain greater limits and/or broader coverage.

## 1. GENERAL REQUIREMENTS

The following General Requirements apply to Contractor and to Subcontractor(s) of every tier performing services and/or activities pursuant to the terms of this Contract. Contractor acknowledges and agrees to the following insurance requirements applicable to Contractor and Contractor's Subcontractor(s):

- 1.1. City of Tacoma reserves the right to approve or reject the insurance provided based upon the insurer, terms and coverage, the Certificate of Insurance, and/or endorsements.
- 1.2. Contractor shall not begin work under the Contract until the required insurance has been obtained and approved by City of Tacoma.
- 1.3. Contractor shall keep this insurance in force during the entire term of the Contract and for Thirty (30) calendar days after completion of all work required by the Contract, unless otherwise provided herein.
- 1.4. Insurance policies required under this Contract that name "City of Tacoma" as Additional Insured shall:
  - 1.4.1. Be considered primary and non-contributory for all claims.
  - 1.4.2. Contain a "Separation of Insured provision and a "Waiver of Subrogation" clause in favor of City of Tacoma.
- 1.5. Section 1.4 above does not apply to contracts for purchasing supplies only.
- 1.6. Verification of coverage shall include:
  - 1.6.1. An ACORD certificate or equivalent.
  - 1.6.2. Copies of all endorsements naming the City of Tacoma as additional insured and showing the policy number.
  - 1.6.3. A notation of coverage enhancements on the Certificate of Insurance shall not satisfy these requirements – actual endorsements must be submitted.
- 1.7. Liability insurance policies, with the exception of Professional Liability and Workers' Compensation, shall name the City of Tacoma and its officers, elected officials, employees, agents, and authorized volunteers as additional insured.
  - 1.7.1. No specific person or department should be identified as the additional insured.
  - 1.7.2. All references on certificates of insurance and endorsements shall be listed as "City of Tacoma".
  - 1.7.3. The City of Tacoma shall be additional insured for both ongoing and completed operations using Insurance Services Office (ISO) form CG 20 10 04 13 and CG 20



# CITY OF TACOMA

## INSURANCE REQUIREMENTS FOR CONTRACTS

---

37 04 13 or the equivalent for the full available limits of liability maintained by the Contractor irrespective of whether such limits maintained by the Contractor are greater than those required by this Contract and irrespective of whether the Certificate of Insurance describes limits lower than those maintained by the Contractor.

- 1.8. Contractor shall provide a Certificate of Insurance for each policy of insurance meeting the requirements set forth herein when Contractor provides the signed Contract for the work to City of Tacoma. Contractor shall provide copies of any applicable Additional Insured, Waiver of Subrogation, and Primary and Non-contributory endorsements. Contract or Permit number and the City Department must be shown on the Certificate of Insurance.
- 1.9. Insurance limits shown below may be written with an excess policy that follows the form of an underlying primary liability policy or an excess policy providing the required limit.
- 1.10. Liability insurance policies shall be written on an "occurrence" form, except for Professional Liability/Errors and Omissions, Pollution Liability, and Cyber/Privacy and Security
- 1.11. If coverage is approved and purchased on a "Claims-Made" basis, Contractor warrants continuation of coverage, either through policy renewals or by the purchase of an extended reporting period endorsement as set forth below.
- 1.12. The insurance must be written by companies licensed or authorized in the State of Washington pursuant to RCW 48 with an (A-) VII or higher in the A.M. Best's Key Rating Guide [www.ambest.com](http://www.ambest.com).
- 1.13. Contractor shall provide City of Tacoma notice of any cancellation or non-renewal of this required insurance within Thirty (30) calendar days.
- 1.14. Contractor shall not allow any insurance to be cancelled or lapse during any term of this Contract, otherwise it shall constitute a material breach of the Contract, upon which City of Tacoma may, after giving Five (5) business day notice to Contractor to correct the breach, immediately terminate the Contract or, at its discretion, procure or renew such insurance and pay any and all premiums in connection therewith; with any sums so expended to be repaid to City of Tacoma by Contractor upon demand, or at the sole discretion of City of Tacoma, offset against funds due Contractor from City of Tacoma.
- 1.15. Contractor shall be responsible for the payment of all premiums, deductibles and self-insured retentions, and shall indemnify and hold the City of Tacoma harmless to the extent such a deductible or self-insured retained limit may apply to the City of Tacoma as an additional insured. Any deductible or self-insured retained limits in excess of Twenty Five Thousand Dollars (\$25,000) must be disclosed and approved by City of Tacoma Risk Manager and shown on the Certificate of Insurance.
- 1.16. City of Tacoma reserves the right to review insurance requirements during any term of the Contract and to require that Contractor make reasonable adjustments when the scope of services has changed.



# CITY OF TACOMA INSURANCE REQUIREMENTS FOR CONTRACTS

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- 1.17. All costs for insurance shall be incidental to and included in the unit or lump sum prices of the Contract and no additional payment will be made by City of Tacoma to Contractor.
- 1.18. Insurance coverages specified in this Contract are not intended and will not be interpreted to limit the responsibility or liability of Contractor or Subcontractor(s).
- 1.19. Failure by City of Tacoma to identify a deficiency in the insurance documentation provided by Contractor or failure of City of Tacoma to demand verification of coverage or compliance by Contractor with these insurance requirements shall not be construed as a waiver of Contractor's obligation to maintain such insurance.
- 1.20. If Contractor is a State of Washington or local government and is self-insured for any of the above insurance requirements, a certification of self-insurance shall be attached hereto and be incorporated by reference and shall constitute compliance with this Section.

## **2. CONTRACTOR**

As used herein, "Contractor" shall be the Supplier(s) entering a Contract with City of Tacoma, whether designated as a Supplier, Contractor, Vendor, Proposer, Bidder, Respondent, Seller, Merchant, Service Provider, or otherwise.

## **3. SUBCONTRACTORS**

It is Contractor's responsibility to ensure that each subcontractor obtain and maintain adequate liability insurance coverage. Contractor shall provide evidence of such insurance upon City of Tacoma's request.

## **4. REQUIRED INSURANCE AND LIMITS**

The insurance policies shall provide the minimum coverages and limits set forth below. Providing coverage in these stated minimum limits shall not be construed to relieve Contractor from liability in excess of such limits.

### **4.1 Commercial General Liability Insurance**

Contractor shall maintain Commercial General Liability Insurance policy with limits not less than One Million Dollars (\$1,000,000) each occurrence and Two Million Dollars (\$2,000,000) annual aggregate. The Commercial General Liability Insurance policy shall be written on an Insurance Services Office form CG 00 01 04 13 or its equivalent. Products and Completed Operations shall be maintained for a period of three years following Substantial Completion of the Work related to performing construction services.

This policy shall include product liability especially when a Contract solely is for purchasing supplies. The Commercial General Liability policy shall be endorsed to include:

### **4.2 A per project aggregate policy limit, using ISO form CG 25 03 05 09 or an equivalent endorsement.**

### **4.3 Commercial (Business) Automobile Liability Insurance**

Contractor shall maintain Commercial Automobile Liability policy with limits not less than One Million Dollars (\$1,000,000) each accident for bodily injury and property damage and bodily injury and property damage coverage for owned (if any), non-owned, hired, or leased vehicles.



# CITY OF TACOMA

## INSURANCE REQUIREMENTS FOR CONTRACTS

---

Commercial Automobile Liability Insurance shall be written using ISO form CA 00 01 or equivalent. Contractor must also maintain an MCS 90 endorsement or equivalent and a CA 99 48 endorsement or equivalent if "Pollutants" are to be transported.

#### 4.4 Workers' Compensation

Contractor shall comply with Workers' Compensation coverage as required by the Industrial Insurance laws of the State of Washington, as well as any other similar coverage required for this work by applicable federal laws of other states. The Contractor must comply with their domicile State Industrial Insurance laws if it is outside the State of Washington.

#### 4.5 Employers' Liability Insurance

Contractor shall maintain Employers' Liability coverage with limits not less than One Million Dollars (\$1,000,000) each employee, One Million Dollars (\$1,000,000) each accident, and One Million Dollars (\$1,000,000) policy limit.

#### 4.6 Other Insurance

Other insurance may be deemed appropriate to cover risks and exposures related to the scope of work or changes to the scope of work required by City of Tacoma. The costs of such necessary and appropriate Insurance coverage shall be borne by Contractor.