

## **CITY OF TACOMA**

### **Tacoma Public Utilities – Tacoma Power**

**ADDENDUM NO. 1**

**DATE:** February 14, 2022

#### **REVISIONS TO:**

**Request for Bids Specification No. PG21-0758F**

**Mayfield Water System Replacement and Road Realignment (Rebid)**

This addendum is issued to clarify, revise, add or delete from, the original specification documents for the above project. This addendum, as integrated with the original specification documents, shall form the specification documents. The noted revisions shall take precedence over previously issued specification documents and addenda and shall become part of this contract. Bidders are hereby notified that they shall make necessary adjustments in their estimates as a result this addendum.

#### **CLARIFICATIONS:**

Tacoma Power has a scheduled project for Mayfield Powerhouse Transformer Bank Replacement that will begin in early August. The need to prioritize the installation and testing of new utilities and subsequent road patching in the specified sections is to mitigate the congestion of multiple contractors' and Tacoma Power's heavy equipment, machinery and personnel that will all be on-site beginning in August 2022. Bidders shall plan their schedule and estimates accordingly for such phasing of construction. Tacoma Power will obligingly keep Construction Superintendent updated of schedules and activities of Mayfield Bank Replacement that may impact their work to help them plan accordingly.

To allow optimum amount of time to the Contractor that can be afforded, Tacoma Power's Environmental Compliance Group is currently obtaining the necessary Construction Stormwater General Permit (CSWGP) from the Washington Dept. of Ecology. The CSWGP and inherent responsibilities will be 'transferred' as soon as possible after contract award to facilitate the start of construction as soon as possible. The contractor shall be responsible for maintaining compliance with the CSWGP throughout the construction period.

All inquiries and requests for clarification and/or verification regarding this project and specification need to be directed to Purchasing Division at 253-502-8139 or [dklaaskate@cityoftacoma.org](mailto:dklaaskate@cityoftacoma.org).

#### **REVISIONS TO SPECIAL PROVISIONS:**

Replace Section 01010 pages 3-9 with new pages marked Addendum No. 1.

Replace Section 01040 pages 6-8 with new pages marked Addendum No. 1.

Add "2022 Tacoma Power Prequalified Electrical Contractors List" to Special Provisions.

Add "Downstream Prioritization Exhibit Map" to Reference Drawings.

## **QUESTIONS AND ANSWERS:**

**Question 1: Would you send me the bid tabulation for the prior bid? What was the reason for the rejection? If the rejection was for budgetary reasons, has the scope or allotment changed?**

**Answer 1:** The bid tabulation is included in this addendum. The decision to reject all bids was not budget related.

**NOTE:** Acknowledgement receipt of this addendum by initialing the correspondence space as indicated on the signature page. Vendors who have already submitted their bid/proposal may contact the Purchasing Division at 253-502-8139 and request return of their bid/proposal for acknowledgement and re-submittal. Or, a letter acknowledging receipt of this addendum may be submitted in an envelope marked Requests for Bids Specification No. PG21-0758F Addendum No. 1. The City reserves the right to reject any and all bids, including, in certain circumstances, the failure to appropriately acknowledge this addendum.

## 1.4 COMMENCEMENT, PROSECUTION AND COMPLETION

The contractor will be required to complete the contract documents and to provide surety and payment bonds within ten (10) business days after the award of the contract. The contractor shall begin the work to be performed in the contract within ten (10) calendar days after the date of notification to commence work. Notification to commence work may either be by letter or, if no letter is issued, by agreement at the preconstruction conference (or if no letter is issued, by the date the contract is executed by the City).

The contractor shall be required to complete all work within **one hundred fifty five (155) calendar days** after the date of notification to commence work. If the contractor fails to complete all work within **one hundred fifty five (155) calendar days**, the City will assess liquidated damages in accordance with Section 3.14 of the General Provisions.

**Tacoma Power has scheduled projects for the Mayfield Powerhouse. Mayfield Penstock Repair beginning in July 2022, and Powerhouse Transformer Bank Replacement that will begin in August 2022. Installation, testing and approval of utilities and subsequent trench backfilling and patching from Main Distribution stationing ~26+00 as shown sheet MP4575 and onward downstream near Points of Connection to the Powerhouse and Office shall be prioritized and shall be completed no later than August 5, 2022. Contractor shall keep domestic water in service to the Powerhouse and Office throughout construction. After final connection to the Office and Powerhouse domestic water may be supplied through the newly installed section of HDPE water main via an unspecified temporary connection near the Point of Connection between garages as shown on MP4575. Materials for the unspecified temporary connection shall be provided by the City. The Mayfield Bank Replacement will require the mobilization of several pieces of heavy equipment and the completion of construction of this prioritized downstream portion of work before the scheduled Powerhouse Transformer Bank Replacement will mitigate the congestion of contractors' and Tacoma Power's construction equipment, personnel and activities that will happening in this vicinity.**

**Tacoma Power shall keep the Water System/Road Realignment construction Superintendent updated with any scheduled Powerhouse construction activities that may impact construction of the Water System and Road Realignment.**

## 1.5 SPECIFICATION FORMAT

This specification is written and formatted for use with Public Works specifications and is numbered to be consistent with other specifications, including Construction Specifications Institute (CSI) format, as modified by the City. It is not intended to indicate what work is to be accomplished by various subcontractors on the project. In all cases, the City's contract is with one (1) general contractor and it is the general contractor's responsibility to insure all work required to provide a complete and operational facility is included in their bid.

When possible, the City has tried to reference work which should be included with various trades, but it is the contractor's responsibility to ensure all work is properly coordinated. The numbering system in the Special Provisions Section reflects standard provisions written by the City and assigned constant numbers. Thus, gaps will appear when specific sections are not used.

## 1.6 CONTRACT WORK TIMES

Contract work times shall be Monday through Friday, 7:00 a.m. to 3:30 p.m., excluding holidays, described in Section 2.14 of the General Provisions or as otherwise approved by the City.

If the contractor elects to work on a Saturday, Sunday, holiday or longer than the designated contract work times, such work shall be considered overtime work. On all such overtime work, a City engineer or their inspector may be present. It shall be the engineer's decision as to when an inspector is required.

However, if the City orders work to be performed on overtime, all City employees' overtime costs will be at no expense to the contractor. The City will not require reimbursement for overtime hours worked by the City for inspection as detailed in the General Provisions if the conditions of this paragraph are met to the satisfaction of the engineer.

It is possible that other contractors or the City will be working in the project area during the time of construction. It shall be the responsibility of this contractor to coordinate its work with all other agencies and/or contractors within the project area.

The contractor shall also be responsible to minimize disruptions to access roads at the Mayfield Hydro Project. Directions of the engineer and/or inspector shall be followed at all times.

## **1.7 QUALIFICATION OF CONTRACTORS**

### **A. QUALIFIED CONTRACTORS**

Only contractors with management, employees, and staff experienced in the type of work required by this specification, and with a record of successful completion of projects of similar scope, complexity, and overall cost will be considered. The bidder must complete the Contractor's Record of Prior Contracts form attached to this specification at the time of submitting their bid. The City will be the sole judge of the bidder's ability to meet the requirements of this paragraph. Bidders past work will be judged in complexity of job, time of completion, organization, and other factors that may indicate the abilities of the contractor.

Submit to the engineer within ten (10) calendar days following execution of the contract documents, a list of all subcontractors, including each subcontractor's address, telephone number, and contact person to be used on this project.

After completion of the project, an evaluation prepared on the form titled "Generation Contractor Performance Review" which is attached will be completed for the general and all subcontractors on this project. This form will be used to determine the adequacy of the work performed on this project including supervisor, quality of work, and adequate manpower and equipment, and the ability for the general or subcontractor to perform work for Tacoma Power in the future.

Any exception taken by any contractor to the comments on the form should be directed to the engineer within thirty (30) days of receipt. Failure to adequately respond to a poor evaluation within this time frame will be cause for rejection of future bids. The completed evaluation form will be shared with the contractor and subcontractors, but will be kept on file by the City for evaluating bids from those respective contractors in the future.

### **B. QUALIFIED SUPERINTENDENT**

The contractor shall employ a competent superintendent as referenced in Section 01040 – Project Coordination, Paragraph 1.12 – Superintendent.

### **C. PREQUALIFICATION OF ELECTRICAL CONTRACTORS**

As required in the Revised Code of Washington (RCW) 35.92.350 and in General Provisions section 1.08B, electrical construction or improvement work for this project shall be performed by an electrical contractor pre-qualified by Tacoma Power. It shall be the duty of every bidder to comply with the provisions of this Washington State Law and Tacoma Power requirements for the use of pre-qualified electrical contractors.



Proposal Items 19-23 shall be performed by an electrical contractor identified on the **"2022 Tacoma Power Prequalified Electrical Contractors List"**. Bidders must name on the included "List of Subcontractor Categories of Work" form a qualified firm or firms for the identified work elements. A prequalified electrical contractor may be the bidder itself or a subcontractor. Bids submitted without the named prequalified electrical contractor(s) shall be deemed non-responsive. Per RCW 39.30.060 only one electrical contractor can be listed.

Additional information on the Pre-qualified Electrical Contractor Program may be viewed on the following website:

<http://www.mytpu.org/contact/bids-contracts/prequalification-electrical-contractors.htm>

## 1.8 SPECIFICATIONS AND DRAWINGS

All construction and reference drawings attached to this Specification, and listed on Drawing MP4561 are part of this contract.

### Drawings for Reference

<u>Drawing No.</u>	<u>Title</u>
MH-1652	GENERAL LAYOUT, POWERHOUSE TO SWITCHYARD, DUCT BANK
MH-1672	POTABLE WATER SYSTEM, ELECTRICAL INSTALLATION
MN-200	SWITCHYARD, CONTROL HOUSE PLUMBING AND FIRE HYDRANT
MN-201	POTABLE WATER, RELOCATION OF WATER STORAGE TANKS AND PIPES TO, STATION 14+00
MN-203	POTABLE WATER, PROFILE, STORAGE TO, STATION 14+00
MN-204	POTABLE WATER PLAN AND PROFILE, STATION 14+00, TO POWERHOUSE ANNEX AND DETAILS
MN-205	POTABLE WATER, PLAN AND PROFILE – PUMP, TO WATER STORAGE TANKS
MN-206	POTABLE WATER PUMP AND HYPOCHLORINATOR AND HOUSE, ARRANGEMENT AND DETAILS
MN-208	MAYFIELD PROJECT (MECH), POTABLE WATER SYSTEM, PIPING AND TRENCHING
MN-220	MAINTENANCE GARAGE, PLUMBING AND PIPING, PLAN AND SCHEDULE
MP1551	MAYFIELD SUPERVISOR'S RESIDENCE, SITE PLAN
MP1553	MAYFIELD OFFICE BUILDING, SITE PLAN AND UTILITIES TRENCH
MP1563-1	MAYFIELD OFFICE BUILDING, PLUMBING AND HVAC, UNDERGROUND FLOOR PLAN
MP4339	MAYFIELD POWER PLANT, DOMESTIC WATER SYSTEM, KEY MAP

MP4340	MAYFIELD POWER PLANT, DOMESTIC WATER SYSTEM, SITE PLAN
MP4341	MAYFIELD POWER PLANT, DOMESTIC WATER SYSTEM, SITE PLAN

**MAYFIELD PROJECT. WATER SYSTEM REPLACEMENT.  
DOWNSTREAM PRIORITIZATION. EXHIBIT MAP**

Drawings for Construction

<u>Drawing No.</u>	<u>Title</u>
MP4560	COVER SHEET & VICINITY MAP
MP4561	SHEET INDEX
MP4562	KEY MAP
MP4563	SURVEY & STATIONING CTRL, (SHEET 1 OF 3)
MP4564	SURVEY & STATIONING CTRL, (SHEET 2 OF 3)
MP4565	SURVEY & STATIONING CTRL, (SHEET 3 OF 3)
MP4566	PLAN & PROFILE - GERSHICK RD, STA. 0+00 - 9+00
MP4567	PLAN & PROFILE - GERSHICK RD, STA. 9+00 - 16+50
MP4568	PLAN & PROFILE - GERSHICK RD, STA. 16+50-18+50, PLAN & PROFILE - COVE LN, STA. 3+50-9+00
MP4569	PLAN & PROFILE - COVE LN, STA. 9+00 – 12+50
MP4570	PLAN & PROFILE - NORTH FIELD, STA. 0+00 - 8+00
MP4571	PLAN & PROFILE - NORTH FIELD, STA. 8+00 - 14+50
MP4572	PLAN & PROFILE - DIST. MAIN, STA. 0+00 - 6+00
MP4573	PLAN & PROFILE - DIST. MAIN, STA. 5+50 - 14+50
MP4574	PLAN & PROFILE - DIST. MAIN, STA. 14+50 - 20+00
MP4575	PLAN & PROFILE - DIST. MAIN, STA. 20+00 - 31+00
MP4576	PLAN & PROFILE - DIST. MAIN, STA. 31+00 - 39+50
MP4577	PLAN & PROFILE - DIST. MAIN, STA. 39+50 - 48+50
MP4578	PLAN - DIST. MAIN, STA. 48+50 - 54+00
MP4579	PLAN & PROFILE, PROJECT OFFICE SUPPLY LINE
MP4580	TEMPORARY PIPING CONNECTION & CONFIGURATION FOR CHLORINATION TREATMENT
MP4581	STANDARD DETAILS
MP4583	TEMP. EROSION & SEDIMENT, CONTROL (T.E.S.C.) PLAN
MP4584	STANDARD NOTES
MP4585	STANDARD DETAILS
MP4586	EXISTING LAYOUT, TEST PIT LOCATIONS
MP4587	CROSS-SECTIONS
MP4588	PROPOSED LAYOUT, STA. 8+00 - 13+50

MP4589	UTILITIES PLAN, STA. 8+00 - 13+50
MP4590	PROPOSED LAYOUT, STA. 14+00 - 18+00
MP4591	UTILITIES PLAN, STA. 14+00 - 18+00

All contract drawings are reduced to approximately half-size. Typical full-size prints are available and may be inspected by prospective bidders in the office of the Assistant Generation Manager - Generation Section, Tacoma Power, Third Floor, Tacoma Public Utilities Building, 3628 South 35th Street, Tacoma, Washington. Copies of original drawings may be obtained through the engineer during the bidding period. The contractor will be required to pay for all City-made full-size prints.

A maximum of two (2) sets of specifications and one (1) set of full-size reproducible drawings will be furnished to the successful bidder for construction purposes. It shall be the contractor's responsibility to provide sufficient sets of drawings for building purposes.

The contractor shall keep on the job site a full-size copy of the drawings and the specifications, and shall, at all times, give the engineer access thereto.

## 1.9 EVALUATION OF BIDS

The award of this contract will not be based on cost alone as other factors and features are equally important. The contract will be awarded to the lowest responsive and responsible bidder complying with the specifications; provided such bid is reasonable and it is in the best interests of the City to accept.

The City, however, reserves the right to reject any and all bids and to waive any informalities in bids received. The City reserves the right to let the contract to the lowest responsive and responsible bidder whose bid will be most advantageous to the City, price and any other factors considered.

All other elements or factors, whether or not specifically provided for in this contract, 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. In addition, the bid evaluation factors set forth in Tacoma Municipal Code Section 1.08 may be considered by the City. The conclusive award decision will be based on the best interests of the City. The engineer's decision as to which contractor best meets the City's need will be final.

In addition to General Provisions Section 1.08, the following factors will be used in bid evaluation:

- A. Experience and success of both company and superintendent completing at least three (3) projects of similar scope, complexity and overall cost.
- B. Proposal prices and base bid.
- C. Review of all required submittals.
- D. Past record with the City (including satisfying safety requirements).
- E. Bidder's responsibility based on, but not limited to:
  1. Ability, capacity, organization, technical qualifications and skill to perform the contract or produce the services required.
  2. Contractor's construction record including references, judgment, stability, adequacy of equipment proposed to be furnished.
  3. Whether the contract can be performed within the time specified.
  4. Quality of performance of previous contracts or services

During the term of this contract, other City of Tacoma Departments/Divisions shall have the right to enter into additional service contracts or issue purchase orders based on the unit prices and/or service rates stated in this contract. An exception taken specifically to this provision at time of submittal shall not constitute a material deviation in the bidding process.

#### **1.10 LIST OF SUBCONTRACTORS' AND CONTRACTOR'S CATEGORIES OF WORK**

Every invitation to bid on a prime contract that is expected to cost one million dollars or more for the construction, alteration, or repair of any public building or public work of the state or a state agency or municipality as defined under RCW 39.04.010 or an institution of higher education as defined under RCW 28B.10.016 shall require each prime contract bidder to submit:

- A. Within one hour after the published bid submittal time, the names of the subcontractors with whom the bidder, if awarded the contract, will subcontract for performance of the work of: HVAC (heating, ventilation, and air conditioning); plumbing as described in Chapter 18.106 RCW; and electrical as described in Chapter 19.28 RCW, or to name itself for the work; AND
- B. Within forty-eight hours after the published bid submittal time, the names of the subcontractors with whom the bidder, if awarded the contract, will subcontract for performance of the work of structural steel installation and rebar installation.

#### **1.11 LOCAL EMPLOYMENT AND APPRENTICESHIP TRAINING PROGRAM (LEAP)**

LEAP is a mandatory City of Tacoma program that requires the prime contractor or service provider performing a qualifying public works project or service contract to ensure that 15-percent of the total labor hours worked on the project are performed by apprentices approved by the Washington State Apprenticeship Council (SAC) and/or residents of Tacoma. Compliance may be met through any combination of utilizing residents of Tacoma or SAC apprentices. The accompanying LEAP Regulations and forms are included in these specifications.

If the project is located within the Tacoma Power hydro project areas, then 25-percent of the LEAP requirement may be satisfied utilizing a resident of the project area.

The project engineer will estimate the required LEAP labor hours to be performed for each qualifying contract. The engineer's estimated LEAP hours are reflected in the enclosed form titled, "*Prime Contractor LEAP Utilization Plan*," under the LEAP Section. **This form is to be completed and presented at the pre-construction meeting.**

LEAP can assist contractors in the recruitment, screening and selection of qualified City of Tacoma applicants interested in a career in the building & construction trades. Residents can be screened and provided with education, training and support services that lead to employment with your company.

Contractors/vendors may obtain further information by contacting the City's LEAP Office at 253-502-8875 or e-mail Malika Godo at [MGodo@cityoftacoma.org](mailto:MGodo@cityoftacoma.org). The LEAP Office is located in the City's Community & Economic Development Department, Tacoma Municipal Building, 747 Market Street, Room 808, Tacoma, Washington 98402.

## 1.12 EQUITY IN CONTRACTING PROGRAM (EIC)

**Participation in the EIC is required for this project.** EIC is a mandatory City of Tacoma program that requires prime contractors performing a qualifying public works project or service contract to ensure that a percentage of the base bid will be performed or fulfilled by EIC-eligible Minority Business Enterprise, Woman Business Enterprise and/or Small Business Enterprise. The EIC Utilization Form must be **completely and accurately** filled out by the contractor. Contractors are strongly encouraged to review the *Instructions for Completing EIC Utilization*. Contractors/vendors may obtain further information by contacting the City's Equity in Contracting Office at (253) 591-5075 or email Malika Godo at [MGodo@cityoftacoma.org](mailto:MGodo@cityoftacoma.org).

The EIC Office is located in the City's Community & Economic Development Department, Tacoma Municipal Building, 747 Market Street, Room 900, Tacoma, WA 98402

## 1.13 PREVAILING WAGES

In addition to the requirements of Section 3.08(B) of the General Provisions, the contractor shall be required to post on the job site a copy of the intent form to pay prevailing wages.

As identified in the General Provisions, the contractor shall comply with the law regarding prevailing wages. These rules apply to any contractor who does business with the City, including owner/operators.

A Statement of Intent to Pay Prevailing Wages **MUST** be filed with the Washington Department of Labor & Industries upon award of contract. An Affidavit of Wages Paid **MUST** be filed with the Washington Department of Labor & Industries upon job completion.

Payments cannot be released by the City until certification of these filings are received by the engineer. Additional information regarding these submittals can be obtained by calling the Department of Labor & Industries, Prevailing Wage at 360-902-5335, or by visiting their MY L&I account.

## 1.14 PERFORMANCE (SURETY), PAYMENT AND RETAINAGE BONDS

### A. PERFORMANCE (SURETY) AND PAYMENT BONDS

The Contractor shall provide both a Performance and Payment Bond for 100-percent of the total contract award within ten (10) business days after award of the contract in accordance with the General Provisions. These bonds shall be required for each contract awarded under this specification.

### B. RETAINAGE BOND

A 5-percent retainage bond may be provided in lieu of the City withholding five-percent retainage. If a retainage bond is not obtained, the City will withhold 5-percent retainage until the end of the contract. If a retainage bond is provided, the City form must be used.

<b>END OF SECTION</b>
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## 1.9 CONSTRUCTION PROGRESS SCHEDULES

### A. FORMAT

The contractor shall prepare schedules as a horizontal bar chart with separate bar for each major portion of work or operation, identifying the first work day of each week and include holidays and times when facility will not be available to contractor for City installed work.

### B. CONTENT

This schedule shall be activity-oriented showing as nearly as can be determined the starting and completion dates of each event. The schedule shall show the materials delivery, structure erection, and installation. It will include the start and completion of each major civil, structural, mechanical, communications and electrical item of work critical to the general contractor's operation.

Show complete sequence of construction, by activity, with dates for beginning and completion of each element of construction.

Identify each task by the appropriate proposal bid item number and subcontractor responsible.

As a minimum, the following tasks shall be included on the schedule:

1. **Installation, connection and approval of ~2600 lineal feet of 8-inch distribution line and utilities between sta. 26+00 near garages and powerhouse point of connection by August 12, 2022.**
2. Installation, connection and approval of 3-inch supply line between well-head and storage tanks.
3. Installation, connection and approval of 8-inch distribution system and fire hydrants.
4. Installation and approval of electrical and communication conduits and vaults.
5. Road improvements to Gershick Rd. (Hydro Ln.) Sta. 8+00 – 13+50
6. Road improvements to Gershick Rd. (Hydro Ln.) Sta. 14+00 – 18+00
7. New Distribution System in Service

### C. SEQUENCE SCHEDULING

It shall be the contractor's responsibility to coordinate all scheduling of work specified herein including all work done by subcontractors with the field inspector.

Progress schedules are required to be coordinated with Tacoma Power and updated monthly or when changes occur. Acceptance or approval of the progress schedule does not release the contractor from the responsibility to provide the necessary resources to meet the schedule.

### D. SUBMITTALS

The contractor shall submit initial schedules at the preconstruction meeting or at a minimum of within ten (10) working days after the contract award. After review, if changes are required by the engineer, resubmit required revised data within ten (10) working days.

The contractor shall use the attached Submittal Transmittal form (electronic version is available from the engineer) for all submittals.

Within twenty (20) days of the date of the contract, the contractor and the engineer will reach an agreement on any and all adjustments and all modifications to the submitted schedule which are warranted. The schedule, thus modified, will become part of the contract.

The failure of the contractor to submit a schedule(s), or the inability of the contractor and the City to reach an agreement as to modifications to a schedule, shall not excuse the contractor's obligation to perform the work required by the specifications in the number of days required by the specification.

Once a month, the City's and the contractor's site representatives will meet and perform a "Line-to-Line" review of items on the schedule, illustrating their plan for meeting the completion dates specified in this contract and the associated construction costs for each subcontractor.

## **1.10 PROTECTION OF EXISTING UTILITIES AND IMPROVEMENTS**

In addition to Section 3.03 "Notification of Other Governmental Agencies and Utilities When Underground Work is Involved" and Section 3.06 "Protection of Workers and Property" of the General Provisions:

The contractor shall protect from damage the utilities and all other existing improvements not provided for in the proposal or special provisions. The cost of labor, equipment and materials required to protect or replace said items shall be incorporated into the bid for this project.

The City has attempted to locate and show on the contract drawings the locations of the existing underground utilities which may conflict with portions of this work, but cannot guarantee the accuracy or the completeness of the data shown.

## **1.11 CITY OCCUPANCY**

The contractor will cooperate with the City to minimize conflict and to facilitate the City's operations.

The contractor will schedule the work to accommodate this requirement.

## **1.12 SUPERINTENDENT**

The contractor shall employ a competent superintendent (foreman) who shall be present at the project site at all times during the entire progress of the work, except those times when the contractor is demobilized. The superintendent shall be on site even when only a subcontractor is working, unless otherwise approved by the engineer. The foreman shall be satisfactory to the contractor, and shall have full authority to act on their behalf.

It will be the foreman's responsibility to have a set of plans and specifications on the project site during the progress of the work. The foreman shall mark or record on the plans all changes made during construction. Such redline "AS-BUILT" plans shall be available to the engineer at all times and shall be delivered to the engineer upon completion of the work.

The superintendent initially assigned to the project by the general contractor shall remain superintendent for the duration of the contract. If the superintendent is replaced, all work shall stop until an additional preconstruction meeting with the City is held. This work stoppage will be at the contractor's expense. The completion date shall remain unchanged, regardless of any work stoppage.

NOTE: The final retained portion of this contract shall not be released for any reasons until complete redline "AS-BUILT" plans are received and approved by the engineer. Redline "AS-BUILT" plans shall have all necessary information including make/model numbers, dimensions, and layout information necessary to properly draft changes in AutoCAD.



### 1.13 CLEAN UP

In addition to Section 3.11 - Cleaning Up of the General Provisions

#### A. DAILY

The contractor and the City inspector will walk the site daily and as required to determine the clean up and restoration required.

Temporary patches will be installed immediately following the road crossing to accommodate traffic. When a sufficient length of utility trench is ready for permanent patching, permanent patching will be completed.

All areas shall be left safe, clean and free of debris.

Surplus excavation, conduit material, tools, temporary structures, dirt and rubbish shall be removed and disposed of by the contractor, and the construction site shall be left clean to the satisfaction of the engineer.

Clean up is considered incidental to the project and no payment will be allowed.

Collect waste daily and when containers are full, legally dispose of waste off site.

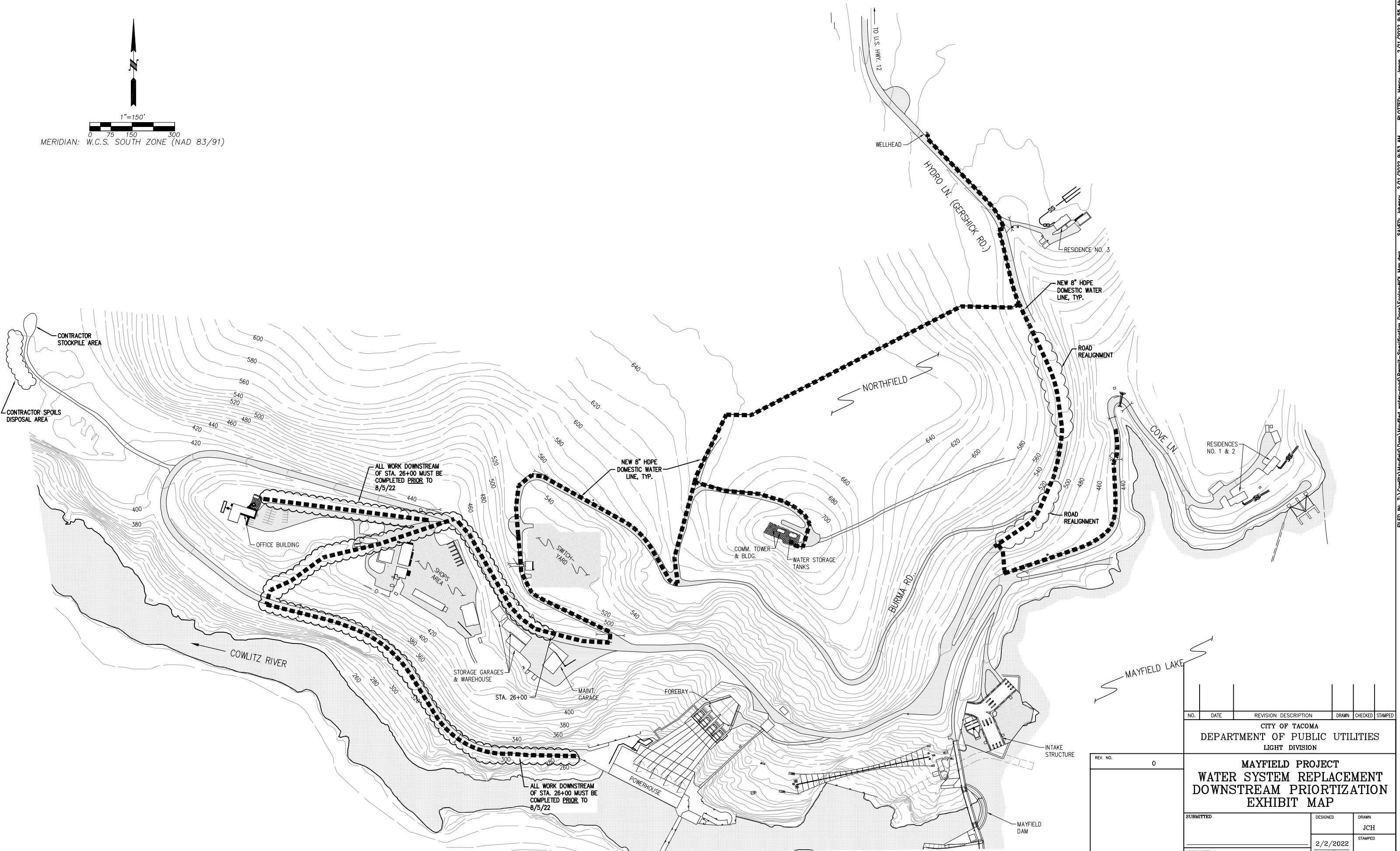
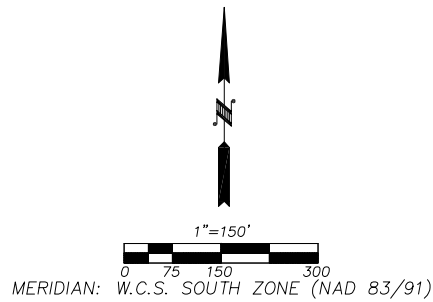
Clean-up of any area impacted by the construction shall be done weekly or as directed/instructed by the engineer.

#### B. CONTRACTOR STOCKPILE AREA

A "Contractor Stockpile Area" is shown on plans for contractor to stockpile excavated materials and imported backfill, foundation, and bedding materials. No asphalt debris will be permitted in this area.

Restoration and clean-up of this area at the end of the project is incidental to contract. The contractor shall level stockpile and shall hydroseed all areas of the stockpile and disturbed areas as required in the Pollution and Erosion Control Plan. Clean-up of any area impacted by the construction shall be done as directed/instructed by the engineer.

<b>END OF SECTION</b>
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NO.	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	STAMPED
CITY OF TACOMA					
DEPARTMENT OF PUBLIC UTILITIES					
LIGHT DIVISION					
MAYFIELD PROJECT					
WATER SYSTEM REPLACEMENT					
DOWNSTREAM PRIORTIZATION					
EXHIBIT MAP					
SUBMITTED			DESIGNED	DRAWN	
				JCH	
APPROVED			2/2/2022	STAMPED	
			DATE		
			DRAWING NO.		
			EcologyNOI-MAP		

Mayfield Water System Replacement & Road Realignment  
PG21-0045F

Rank Bid Value Contractor Submitted Base Bid			2 Active Construction, Inc. \$ 2,319,573.28	4 Boettcher & Sons, Inc. \$ 2,368,368.00	5 Northwest Cascade, Inc. \$ 2,777,021.00	1 Nova Contracting, Inc. \$ 2,004,090.00	4 Quigg Bros, Inc. \$ 2,515,630.00
Item No.	Bid Items	Quantity	Unit Price	Unit Price	Unit Price	Unit Price	Unit Price
1	Mob/Demob		\$ 160,810.78	\$ 140,000.00	\$ 136,000.00	\$ 169,000.00	\$ 120,000.00
2	PECP/TESC		\$ 26,257.00	\$ 8,000.00	\$ 50,000.00	\$ 10,000.00	\$ 30,000.00
3	3" HDPE Pipe	2670	23 \$ 61,410.00	30 \$ 80,100.00	18.5 \$ 49,395.00	20 \$ 53,400.00	33 \$ 88,110.00
4	8" HDPE Pipe	10200	31.5 \$ 321,300.00	60 \$ 612,000.00	37 \$ 377,400.00	36 \$ 367,200.00	40 \$ 408,000.00
5	8" Ductile Iron Pipe	40	102 \$ 4,080.00	84 \$ 3,360.00	58 \$ 2,320.00	100 \$ 4,000.00	75 \$ 3,000.00
6a	3" HDPE 90° Elbow	5	166 \$ 830.00	120 \$ 600.00	138 \$ 690.00	300 \$ 1,500.00	50 \$ 250.00
6b	3" HDPE 45° Elbow	6	171 \$ 1,026.00	120 \$ 720.00	142 \$ 852.00	300 \$ 1,800.00	50 \$ 300.00
6c	3" HDPE 22.5" or 11.25"	3	232 \$ 696.00	131 \$ 393.00	200 \$ 600.00	300 \$ 900.00	50 \$ 150.00
7a	8" HDPE 90° Elbow	2	299 \$ 598.00	330 \$ 660.00	263 \$ 526.00	300 \$ 600.00	200 \$ 400.00
7b	8" HDPE 45° Elbow	16	299 \$ 4,784.00	330 \$ 5,280.00	263 \$ 4,208.00	300 \$ 4,800.00	200 \$ 3,200.00
7c	8" HDPE 22.5" or 11.25"	7	306 \$ 2,142.00	290 \$ 2,030.00	270 \$ 1,890.00	300 \$ 2,100.00	200 \$ 1,400.00
7d	8" HDPE Tee	8	347 \$ 2,776.00	290 \$ 2,320.00	307 \$ 2,456.00	300 \$ 2,400.00	200 \$ 1,600.00
7e	8" HDPE 8x4 Reducer	7	262 \$ 1,834.00	320 \$ 2,240.00	229 \$ 1,603.00	300 \$ 2,100.00	200 \$ 1,400.00
7f	8" HDPE Cap	5	233 \$ 1,165.00	240 \$ 1,200.00	200 \$ 1,000.00	300 \$ 1,500.00	150 \$ 750.00
8a	8" M.J. Elbow	4	197 \$ 788.00	420 \$ 1,680.00	389 \$ 1,556.00	300 \$ 1,200.00	300 \$ 1,200.00
8b	8" M.J. 8x6 Tee	7	262 \$ 1,834.00	550 \$ 3,850.00	565 \$ 3,955.00	300 \$ 2,100.00	300 \$ 2,100.00
8c	8" M.J. 8x4 Reducer	3	158 \$ 474.00	420 \$ 1,260.00	198 \$ 594.00	300 \$ 900.00	300 \$ 900.00
8d	8" M.J. 8x6 Reducer	1	162 \$ 162.00	420 \$ 420.00	204 \$ 204.00	300 \$ 300.00	300 \$ 300.00
8e	M.J. 2x3 Reducer	2	256 \$ 512.00	270 \$ 540.00	465 \$ 930.00	300 \$ 600.00	300 \$ 600.00
9a	M.J. Gate Valve 3"	6	994 \$ 5,964.00	2500 \$ 15,000.00	1350 \$ 8,100.00	1000 \$ 6,000.00	1000 \$ 6,000.00
9b	M.J. Gate Valve 4"	4	1055 \$ 4,220.00	2500 \$ 10,000.00	1400 \$ 5,600.00	1200 \$ 4,800.00	1200 \$ 4,800.00
9c	M.J. Gate Valve 6"	7	850 \$ 5,950.00	2500 \$ 17,500.00	1550 \$ 10,850.00	1500 \$ 10,500.00	1400 \$ 9,800.00
9d	M.J. Gate Valve 8"	23	2274 \$ 52,302.00	2700 \$ 62,100.00	1975 \$ 45,425.00	1500 \$ 34,500.00	1600 \$ 36,800.00
10	HDPE 8x2 Tapping Tee	2	385 \$ 770.00	450 \$ 900.00	326 \$ 652.00	300 \$ 600.00	300 \$ 600.00
11	1.5" Sch40 PVC Pipe (LF)	60	23.5 \$ 1,410.00	42 \$ 2,520.00	53 \$ 3,180.00	50 \$ 3,000.00	50 \$ 3,000.00
12	1.5" Brass Stop w/ Box	5	763 \$ 3,815.00	2100 \$ 10,500.00	700 \$ 3,500.00	1200 \$ 6,000.00	750 \$ 3,750.00
13	6" Fire Hydrant	7	5720 \$ 40,040.00	4350 \$ 30,450.00	3400 \$ 23,800.00	4000 \$ 28,000.00	6000 \$ 42,000.00
14	6" D.I. Pipe Laterals	170	43 \$ 7,310.00	52 \$ 8,840.00	43 \$ 7,310.00	50 \$ 8,500.00	50 \$ 8,500.00
15	3" HDPEX M.J. Adapter	12	262 \$ 3,144.00	320 \$ 3,840.00	293 \$ 3,516.00	300 \$ 3,600.00	300 \$ 3,600.00
16	8" HDPEX M.J. Adapter	60	340 \$ 20,400.00	610 \$ 36,600.00	370 \$ 22,200.00	200 \$ 12,000.00	300 \$ 18,000.00
17	Temp. Sample Station	4	2895 \$ 11,580.00	3940 \$ 15,760.00	971 \$ 3,884.00	1000 \$ 4,000.00	1000 \$ 4,000.00
18	Temp. Blow Off	6	3725 \$ 22,350.00	2500 \$ 15,000.00	1625 \$ 9,750.00	1000 \$ 6,000.00	1500 \$ 9,000.00
19	2" PVC Conduit (LF)	5400	8.5 \$ 45,900.00	7.1 \$ 38,340.00	19 \$ 102,600.00	4 \$ 21,600.00	11 \$ 59,400.00
20	4" PVC Conduit (LF)	22860	12.5 \$ 285,750.00	11 \$ 251,460.00	26.25 \$ 600,075.00	9 \$ 205,740.00	15 \$ 342,900.00
21	554 Comm. Vault	9	5000 \$ 45,000.00	4000 \$ 36,000.00	7800 \$ 70,200.00	5000 \$ 45,000.00	6000 \$ 54,000.00
22	264-TA Comm. Vault	13	4535 \$ 58,955.00	3200 \$ 41,600.00	9115 \$ 118,495.00	5000 \$ 65,000.00	5000 \$ 65,000.00
23	233 Elec. Vault	13	2985 \$ 38,805.00	1650 \$ 21,450.00	5360 \$ 69,680.00	4000 \$ 52,000.00	4000 \$ 52,000.00
24	Hydraulic Hammer (HR)	160	575 \$ 92,000.00	185 \$ 29,600.00	187 \$ 29,920.00	200 \$ 32,000.00	275 \$ 44,000.00
25	Trench Excavation (LF)	11000	0.01 \$ 110.00	14 \$ 154,000.00	1 \$ 11,000.00	9 \$ 99,000.00	15 \$ 165,000.00
26	Trench Exc. Safety Sys. (LF)	450	0.01 \$ 4.50	10 \$ 4,500.00	2.5 \$ 1,125.00	2 \$ 900.00	15 \$ 6,750.00
27	CDF (CY)	10	481 \$ 4,810.00	220 \$ 2,200.00	270 \$ 2,700.00	400 \$ 4,000.00	250 \$ 2,500.00
28	CARV valve		\$ 5,970.00	\$ 6,000.00	\$ 4,925.00	\$ 5,000.00	\$ 5,000.00
29	Intertie or Conn. to Ex.	5	4117 \$ 20,585.00	1800 \$ 9,000.00	3750 \$ 18,750.00	3000 \$ 15,000.00	4000 \$ 20,000.00
30	Thrustblock	37	510 \$ 18,870.00	125 \$ 4,625.00	300 \$ 11,100.00	500 \$ 18,500.00	600 \$ 22,200.00
31	Vertical Bend	3	675 \$ 2,025.00	1500 \$ 4,500.00	735 \$ 2,205.00	500 \$ 1,500.00	1200 \$ 3,600.00
32	Concrete Anchor	5	732 \$ 3,660.00	750 \$ 3,750.00	385 \$ 1,925.00	500 \$ 2,500.00	1200 \$ 6,000.00
33	Marker Tape (LF)	11500	0.25 \$ 2,875.00	1 \$ 11,500.00	1.1 \$ 12,650.00	0.1 \$ 1,150.00	0.5 \$ 5,750.00
34	Bollard	24	1080 \$ 25,920.00	320 \$ 7,680.00	900 \$ 21,600.00	600 \$ 14,400.00	1200 \$ 28,800.00
35	Clearing & Grubbing		\$ 89,550.00	\$ 6,000.00	\$ 80,000.00	\$ 12,000.00	\$ 60,000.00
36	Common Exc. & Haul (CY)	400	37.5 \$ 15,000.00	12 \$ 4,800.00	25 \$ 10,000.00	20 \$ 8,000.00	5 \$ 2,000.00
37a	Asphalt Demo (SY)	1920	8.5 \$ 16,320.00	6 \$ 11,520.00	6.5 \$ 12,480.00	10 \$ 19,200.00	8 \$ 15,360.00
37b	Road/trench Exc. (SY)	1340	12.5 \$ 16,750.00	6 \$ 8,040.00	8.75 \$ 11,725.00	10 \$ 13,400.00	9 \$ 12,060.00
38	Quarry Spalls (TON)	200	77 \$ 15,400.00	40 \$ 8,000.00	38 \$ 7,600.00	40 \$ 8,000.00	50 \$ 10,000.00
39	Pipe Zone Bedding (TON)	10300	27.5 \$ 283,250.00	20 \$ 206,000.00	32 \$ 329,600.00	20 \$ 206,000.00	23 \$ 236,900.00
40	Trench Backfill (TON)	3400	37.75 \$ 128,350.00	24 \$ 81,600.00	32 \$ 108,800.00	20 \$ 68,000.00	23 \$ 78,200.00
41	CSBC (TON)	400	36 \$ 14,400.00	62 \$ 12,800.00	62 \$ 24,800.00	50 \$ 20,000.00	43 \$ 17,200.00
42	CSTC (TON)	400	29.5 \$ 11,800.00	34 \$ 13,600.00	62 \$ 24,800.00	50 \$ 20,000.00	45 \$ 18,000.00
43	Secondary Sawcut (LF)	2000	4 \$ 8,000.00	6 \$ 12,000.00	2.75 \$ 5,500.00	2.5 \$ 5,000.00	3 \$ 6,000.00
44	HMA 3" thick (TON)	350	130 \$ 45,500.00	110 \$ 38,500.00	125 \$ 43,750.00	120 \$ 42,000.00	220 \$ 77,000.00
45	HMA Patch (TON)	250	189 \$ 47,250.00	160 \$ 40,000.00	200 \$ 50,000.00	150 \$ 37,500.00	320 \$ 80,000.00
46	Culvert (LF)	130	31 \$ 4,030.00	28 \$ 3,640.00	39 \$ 5,070.00	60 \$ 7,800.00	50 \$ 6,500.00
47	Force Account		200000 \$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00
	Subtotal (Base Bid)		\$ 2,319,573.28	\$ 2,368,368.00	\$ 2,777,021.00	\$ 2,004,090.00	\$ 2,515,630.00
	Sales Tax		7.80% \$ 180,926.72	\$ 184,732.70	\$ 216,607.64	\$ 156,319.02	\$ 196,219.14
	Total w/tax		\$ 2,500,500.00	\$ 2,553,100.70	\$ 2,993,628.64	\$ 2,160,409.02	\$ 2,711,849.14