

**RESOLUTION NO. 2947**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BONNEY LAKE, PIERCE COUNTY, WASHINGTON, AUTHORIZING THE MAYOR TO SIGN THE SUPPLEMENT 12 AGREEMENT WITH PARAMETRIX FOR CONSTRUCTION SERVICES DURING THE CONSTRUCTION OF THE FENNEL CREEK TRAIL SEGMENT 2A.**

**WHEREAS**, City Council has approved the construction of the Fennel Creek Trail in the 2021-2022 Biennial budget; and

**WHEREAS**, In January of 2015 the Council approved a Local Programs Agreement with Parametrix for the design of Fennel Creek Segment 2 per Resolution 2431; and

**WHEREAS**, WSDOT in 2016 awarded a Pedestrian Safety program grant to assist the City with constructing Segment 2A of the Fennel Creek Trail; and

**WHEREAS**, Public Services staff opened 5 bids on the 19<sup>th</sup> of May 2021 for the Fennel Creek Trail- Segment 2A project; and

**WHEREAS**, the City has determined W.S. Contractors to be the apparent low bidder to be “responsive” in their bid submittal in the amount of \$2,359,890.00; and

**WHEREAS**, Public Services staff requires construction services assistance provided and has chosen Parametrix as the firm to provide that effort; and

**NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF BONNEY LAKE, WASHINGTON HEREBY RESOLVES AS FOLLOWS:**

That the City Council of the City of Bonney Lake does hereby authorize the Mayor to sign the attached Supplement 12 Agreement with Parametrix for construction services for the Fennel Creek Trail Segment 2A in the amount of \$368,256.21 which includes tax.

**PASSED BY THE CITY COUNCIL this 8<sup>th</sup> day of June, 2021.**

AUTHENTICATED:

DocuSigned by:  
*Harwood T. Edvalson*  
F46A10AD29884A1...  
Harwood T. Edvalson, City Clerk

DocuSigned by:  
*Neil Johnson, Jr.*  
20583FB9C281400...  
NEIL JOHNSON, JR., Mayor

City of Bonney Lake, Washington  
**City Council Agenda Bill (AB)**

<b>Department/Staff Contact:</b> PS / John Woodcock	<b>Meeting/Workshop Date:</b> 8 June 2021	<b>Agenda Bill Number:</b> AB21-79
<b>Agenda Item Type:</b> Resolution	<b>Ordinance/Resolution Number:</b> 2947	<b>Sponsor:</b>

**Agenda Subject:** Approve Supplement 12 Agreement to Parametrix for construction services during the construction of the Fennel Creek Trail Segment 2A.

**Full Title/Motion:** A Resolution Of The City Council Of The City Of Bonney Lake, Pierce County, Washington, Approve Supplement 12 Agreement To Parametrix For Construction Services During The Construction Of The Fennel Creek Trail Segment 2a..

**Administrative Recommendation:** Approve

**Background Summary:** In January of 2015 the Council approved the design of Fennel Creek Segment 2. In 2016 the City was awarded a Pedestrian Safety program grant from WSDOT to assist the City with constructing Segment 2A of the Fennel Creek Trail.

The Public Services Department advertised and opened bids for this project. W.S. Contractors was the low bidder that has been deemed responsive and responsible with a bid of \$2,359,890.00. The needs to obtain professional construction management services to construct this project. The Public Services Department has chosen Parametrix to be the firm that would best serve the City of Bonney Lake for this service since they designed and surveyed the project.

**Attachments:** Resolution, Supplement 12 Agreement Contract, Map

**BUDGET INFORMATION**

<b>Budget Amount</b>	<b>Current Balance</b>	<b>Required Expenditure</b>	<b>Budget Balance</b>	<b>Fund Source</b>
\$5,219,474	\$2,180,706	\$368,256.21	\$1,812,449.79	<input type="checkbox"/> General
				<input type="checkbox"/> Utilities
				<input checked="" type="checkbox"/> Other

**Budget Explanation:** Park CIP: Eden - 302.035.076.594.76.65.01 - Fennel Creek Trail- Segment 2  
 Revenue Source: Park Fund: REET and Park Impact Fees

**COMMITTEE, BOARD & COMMISSION REVIEW**

<b>Council Committee Review:</b>	Community Development	<i>Approvals:</i>	<b>Yes</b>	<b>No</b>
	Date: 1 June 2021	Chair/Councilmember	Dan Swatman	<input checked="" type="checkbox"/> <input type="checkbox"/>
		Councilmember	Tom Watson	<input checked="" type="checkbox"/> <input type="checkbox"/>
		Councilmember	Kelly McClimans Sr	<input checked="" type="checkbox"/> <input type="checkbox"/>
	Forward to:	<b>Consent Agenda:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

**Commission/Board Review:**

**Hearing Examiner Review:**

**COUNCIL ACTION**

Workshop Date(s):	Public Hearing Date(s):
Meeting Date(s):	Tabled to Date:

**APPROVALS**

<b>Director:</b> <i>Ryan Johnstone</i>	<b>Mayor:</b> <i>Neil Johnson Jr.</i>	<b>Date Reviewed by City Attorney:</b> (if applicable)
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<b>Supplemental Agreement Number</b> <u>12</u>		Organization and Address Parametrix, Inc. 1019 39th Avenue SE, Suite 100 Puyallup, WA 98374	
Original Agreement Number LA 8394		Phone: 253-604-6600	
Project Number 214-1611-065	Execution Date 1/27/2015	Completion Date 3/31/2022	
Project Title Fennel Creek Trail - Segment 2	New Maximum Amount Payable <b>\$ 1,427,676.77</b>		
Description of Work Segment 2 will continue the Fennel Creek Trail north from Willowbrook neighborhood to Veterans Memorial Drive. It will provide a pedestrian and bicycle corridor connecting the residential neighborhoods along Angeline Road to the City's Midtown Center.			

The Local Agency of City of Bonney Lake  
desires to supplement the agreement entered into with Parametrix, Inc.  
and executed on 1/27/2015 and identified as Agreement No. LA 8394

All provisions in the basic agreement remain in effect except as expressly modified by this supplement.

The changes to the agreement are described as follows:

**I**

Section 1, SCOPE OF WORK, is hereby changed to read:

See attached Scope of Work.

**II**

Section IV, TIME FOR BEGINNING AND COMPLETION, is amended to change the number of calendar days for completion of the work to read: March 31, 2022

**III**

Section V, PAYMENT, shall be amended as follows:

Previous Maximum Amount Payable - \$1,059,420.56 plus Supplement No. 12 - \$368,256.21 = New Maximum Payable Amount of \$1,427,676.77

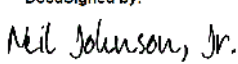
as set forth in the attached Exhibit A, and by this reference made a part of this supplement.

If you concur with this supplement and agree to the changes as stated above, please sign in the appropriate spaces below and return to this office for final action.

By: Parametrix, Inc.

By: City of Bonney Lake

  
\_\_\_\_\_  
Consultant Signature

DocuSigned by:  
  
\_\_\_\_\_  
20583FB9C281400...  
Approving Authority Signature

Roger W. Flint, Chief Operating Officer

6/8/2021

Date

## SCOPE OF WORK

### City of Bonney Lake Fennel Creek Trail Segment 2A Supplemental Services

The City of Bonney Lake (City) has requested that Parametrix provide additional right-of-way services by Universal Field Services, additional permitting to comply with current City permits for critical areas, and construction support services for construction of the Fennel Creek Trail Segment 2A project.

A detailed scope for the Contract follows:

#### GENERAL ASSUMPTIONS FOR CONSTRUCTION SUPPORT SERVICES

- The proposed project team will include one part-time project manager, one full-time resident engineer during construction activities, and one part-time documentation specialist. Parametrix will provide services for supporting tasks as deemed necessary but not specifically included in this scope of services.
- The level of service is based on project duration as expressed in the Construction Contract in working days (see below).
- It is anticipated that the City will review and execute the insurance, bonds, and the Construction Contract.
- It is anticipated that all community outreach, if required, will be completed by the City.
- The City will contract for materials testing and geotechnical inspections on the project.
- Engineers from Parametrix will be available to answer questions during construction and review requests for approval of materials (RAMs), review submittals and shop drawings, and answer requests for information (RFIs).
- Services will be performed in accordance with the Construction Contract and City standards.
- Franchise utilities will provide field inspection for all work surrounding the construction or relocation of those utility systems not constructed by the City's Contractor, if necessary.
- City/Field Office: There are no provisions for a field office for this project. All project files shall be kept in digital format and all necessary physical copies will be held at the City office. Parametrix staff shall work from vehicle as much as practical.
- All deliverables will be in electronic format unless specifically stated otherwise in this scope of services.

The objective and purpose of this Construction Support Services Agreement is for Parametrix to assist the City in successfully completing the construction of the proposed improvements.

## CONSTRUCTION SUPPORT SERVICES

### Task 0401 – Project Administration

Parametrix will provide the tools for continuous tracking of the project schedule and budget, coordination with subconsultants, and status of deliverables to ensure that the project is executed as expected by the City.

#### Assumptions

- A 6-month project schedule is assumed.

#### Deliverables

- Routine correspondence to document project management issues.
- Monthly progress reports and invoices.

### Task 0402 – Construction Engineering

Parametrix engineering staff will attend the preconstruction conference and provide support during construction. Parametrix will work with City staff to prepare an agenda for, distribute notices of, and conduct a preconstruction conference in the City's offices. Parametrix will prepare a written record of the meeting and distribute copies of the minutes to all attendees and affected agencies, staff, etc.

Following the preconstruction conference, other construction engineering services will be provided. Specific activities are undefined but will be completed up to the specified budget amount and may include:

- Responses to RFIs.
- Prepare and maintain a record of materials (ROM).
- Prepare and issue the weekly statement of working days.
- Materials submittal reviews.
- Design clarifications.
- Shop drawing reviews.
- Support/review/preparation of change orders.
- Support/review for preparation of monthly progress payments to Contractor.
- Support/assistance for preparation of periodic cost to complete analysis.

#### Assumptions

- The budget estimate includes 4 hours each for the project manager and resident engineer to assist the City in preparation for the preconstruction conference.
- The budget estimate includes 4 hours each for the project manager, engineer of record, and resident engineer to attend the preconstruction conference.

## Deliverables

- Record of materials.
- Materials RAM form responses.
- Weekly statement of working days.
- Shop drawing reviews.
- Responses to RFIs.
- Change Orders (budget includes two).

## Task 0403 – Construction Documentation Services

Parametrix will implement its system and set of procedures for managing, tracking, and storing documents between the Contractor, Parametrix, and the City produced during the construction and closeout phases of the project that are compliant with the requirements set forth by the funding agency. Parametrix will, in coordination with the City, maintain a digital copy, suitably organized, of construction documentation that will be turned over to the City at the completion and final closeout of the project. Parametrix and the City will agree on what documentation will be provided to the City during construction.

Parametrix will implement its procedures for logging and tracking of correspondence and documents. Parametrix will assist the City in monitoring outstanding decisions, approvals, or responses required from the City.

The documentation specialist's responsibilities are:

- Preparing preconstruction conference agenda.
- Receiving and logging Contractor submittals, including RAMs and RFIs.
- Transmitting Contractor submittals for review to the appropriate reviewer.
- Obtaining review responses to Contractor submittals regarding design details.
- Returning submittals to the Contractor upon completion of the review process.
- Maintaining electronic project files according to established filing index, modified as necessary for the project.
- Preparing meeting minutes and distributing minutes in a PDF file to attendees within two working days.
- Reviewing and logging weekly certified payroll data in accordance with state law and the Washington State Department of Transportation (WSDOT) *Construction Manual*.
- Receiving and logging inspectors' daily reports, force account sheets, and material tickets.
- Maintaining electronic and paper files including inspectors' daily reports, updated contract documents, test reports, material records, correspondence, statement of working days, Contractor payment requests, prevailing wage certifications, contract change order records, force account documents, field note records, submittal records, requests for information, project photographs, and meeting records.

### Deliverables

- Preconstruction agenda as well as draft and final meeting minutes.
- Up to (24) twenty-four weekly meeting agendas as well as draft and final meeting minutes.
- Construction documentation electronic files.

### Assumptions

- Parametrix will attend weekly meetings.
- Construction documentation records will be kept electronically.

### Task 0404 – Construction Observation

Parametrix will provide a full-time resident engineer during construction activities to monitor the progress of the work. The resident engineer will observe the technical progress of the construction, including providing day-to-day contact with the Contractor and the City.

The resident engineer will perform the following duties as a matter of daily activities (if applicable):

- Observe technical conduct of the construction, including providing day-to-day contact with construction Contractor, City, and other stakeholders, and monitor for adherence to the Contract Documents. The Parametrix personnel will act in accordance with Sections 1-05.1 and 1-05.2 of the WSDOT and American Public Works Association (APWA) *Standard Specifications for Road, Bridge, and Municipal Construction*.
- Observe material, workmanship, and construction areas for compliance with the Contract Documents and applicable codes and notify construction Contractor of noncompliance. Advise the City of any non-conforming work observed during site visits.
- Document all material delivered to the job site in accordance with the Construction Contract.
- Prepare daily inspection reports, recording the construction Contractor's operations as actually observed by Parametrix including quantities of work placed that day, Contractor's equipment and crews, and other pertinent information. All daily inspection reports will adhere to WSDOT *Local Agency Guidelines* or as directed by the City.
- Interpret Contract Documents in coordination with the City and the City's Contractor.
- Resolve questions which may arise as to the quality and acceptability of material furnished, work performed, and rate of progress of work performed by the construction Contractor.
- Establish communications with adjacent property owners. Respond to questions from property owners and the general public.
- Coordinate with permit holders on the project to monitor compliance with approved permits, if applicable.
- Prepare field records and documents to help ensure the project is administered in accordance with funding agency requirements.
- Collect and calculate delivery tickets and scaleman's daily reports of aggregate.
- Attend and actively participate in regular on-site weekly construction meetings.

- Take periodic digital photographs during construction and record locations.
- Coordinate with the City's traffic operations and maintenance personnel.
- Punch List: Upon substantial completion of work, Parametrix will coordinate with the City and other affected agencies to perform a project inspection and develop a comprehensive list of deficiencies or 'punch list' of items to be completed. A punch list and certificate of substantial completion will be prepared by the Parametrix and issued by the City.
- Parametrix will coordinate with the Contractor and the material testing firm which will be provided by the City under separate agreement.

### Assumptions

- Parametrix will provide observation services, up to the agreed budget amount, for the entire time that the Contractor's personnel are on-site.
- The budget estimate for this task assumes that the Contractor will be on-site for 120 working days from notice to proceed to substantial; an additional 5 days has been included for project closeout. Additional working days will require a supplement to this agreement.
- The Parametrix monitoring of the construction Contractor's activities is to ascertain whether work is being performed in accordance with the Contract Documents. In case of noncompliance, Parametrix will reject non-conforming work and pursue other remedies in the interests of the City, as detailed in the Contract Documents. Parametrix cannot guarantee the construction Contractor's performance, and it is understood that Parametrix shall assume no responsibility for: proper construction means, methods, techniques; project site safety; safety precautions or programs; or for the failure of any other entity to perform work in accordance with laws, contracts, regulations, or the City's expectations.

### Deliverables

- Daily construction reports with project photos submitted on a weekly basis.
- Punch list; certificate of substantial completion.

### Task 0405 – Record Drawings

Parametrix will prepare record drawings based on the as-built records provided by the Contractor.

### Assumptions

- Record drawings will be based solely on the as-built records and plan markups as provided by the Contractor. The scope of services does not include survey or other means of independently collecting record of the as-built condition.

### Deliverables

- Record drawings in electronic format (PDF and native CAD files).



### Task 0406 – Additional Right-of-Way Coordination

Universal Field Services completed additional right-of-way coordination for final certification of right-of-way for the Fennel Creek Trail Segment 2A project.

#### Assumptions

- Right-of-way acquisition is complete; no further activity is included.

### Task 0407 – Additional Permitting Support

Parametrix prepared additional permit documents, reports, studies, and submittals as required by current City ordinances that took effect after the previous scope of services was finalized and approved. The additional support included:

- A formal engineering analysis of the pin piles that will be installed in the floodplain of Fennel Creek to ensure that the water surface elevation of Fennel Creek will not rise during a 100-year flood event.
- A formal engineering review and preparation of exhibits documenting that no additional fill material will be placed within the 100-year floodplain of Fennel Creek Trail by the Segment 2A project.
- Additional permit documents, support, and coordination to meet the City's updated critical areas permit. The work included preparation of submittals through the new City online system.
- Additional permit documents, plans, specifications, and estimates to meet mitigation requirements for impacts to riparian areas adjacent to Segment 2A. This additional effort included evaluation of tree removal and appropriate restoration along with a mitigation plan.

#### Deliverables

- Critical Areas Permit (CAP): submitted and issued.
- Zero Rise Analysis and Floodplain Development Exhibits: submitted and accepted.
- Mitigation Plan: submitted and accepted.

### ADDITIONAL SERVICES

Additional services requested by the City will be performed only when authorized by the City. Authorization to perform additional services will be in writing specifying the work to be performed and the basis of payment.

Exhibit A - Phase 4, Fennel Creek Trail Segment 2A Supplemental Services

Detailed Project Fee

Task / Subtask	Hours	Burdened Rate	Direct Salary Cost	Overhead 179.16%	DSC + OH	Fee Amount 30.00%	Total Including Fee	Subconsultants	Expenses	Total
Task 04: Phase 4 - Construction Services										
Subtask 01: Project Administration										
Amanda B. Lucas	6.00	115.38	223.92	401.18	625.10	67.18	692.28	0.00	0.00	692.28
Austin Fisher	32.00	308.94	3,197.76	5,729.11	8,926.87	959.33	9,886.20	0.00	0.00	9,886.20
Christy Pope	24.00	137.14	1,064.64	1,907.41	2,972.05	319.39	3,291.44	0.00	0.00	3,291.44
Kassie N. Winters	8.00	107.62	278.48	498.92	777.40	83.54	860.94	0.00	0.00	860.94
<b>Subtask 01: Project Administration Total</b>	<b>70.00</b>		<b>\$4,764.80</b>	<b>\$8,536.62</b>	<b>\$13,301.42</b>	<b>\$1,429.44</b>	<b>\$14,730.86</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$14,730.86</b>
Subtask 02: Construction Engineering										
Andrew J. Joyce	100.00	108.48	3,509.00	6,286.72	9,795.72	1,052.70	10,848.42	0.00	0.00	10,848.42
Benjamin J. Schlachter	40.00	143.88	1,861.60	3,335.24	5,196.84	558.48	5,755.32	0.00	0.00	5,755.32
Cameron J. Woodcock	240.00	145.27	11,277.60	20,204.95	31,482.55	3,383.28	34,865.83	0.00	0.00	34,865.83
Jared M. Kernnitz	8.00	195.76	506.56	907.55	1,414.11	151.97	1,566.08	0.00	0.00	1,566.08
Joshua M. Kelly	32.00	98.03	1,014.72	1,817.97	2,832.69	304.42	3,137.11	0.00	0.00	3,137.11
Matthew J. Kastberg	200.00	295.87	19,140.00	34,291.22	53,431.22	5,742.00	59,173.22	0.00	0.00	59,173.22
<b>Subtask 02: Construction Engineering Total</b>	<b>620.00</b>		<b>\$37,309.48</b>	<b>\$66,843.65</b>	<b>\$104,153.13</b>	<b>\$11,192.85</b>	<b>\$115,345.98</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$115,345.98</b>
Subtask 03: Construction Documentation Services										
Andrew J. Joyce	100.00	108.48	3,509.00	6,286.72	9,795.72	1,052.70	10,848.42	0.00	0.00	10,848.42
Matthew J. Kastberg	80.00	295.87	7,656.00	13,716.49	21,372.49	2,296.80	23,669.29	0.00	0.00	23,669.29
Savanna J. Hasegawa	540.00	92.13	16,092.00	28,830.43	44,922.43	4,827.60	49,750.03	0.00	0.00	49,750.03
<b>Subtask 03: Construction Documentation Services Total</b>	<b>720.00</b>		<b>\$27,257.00</b>	<b>\$48,833.64</b>	<b>\$76,090.64</b>	<b>\$8,177.10</b>	<b>\$84,267.74</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$84,267.74</b>
Subtask 04: Construction Observation										
Andrew J. Joyce	1,040.00	108.48	36,493.60	65,381.93	101,875.53	10,948.08	112,823.61	0.00	0.00	112,823.61
<b>Subtask 04: Construction Observation Total</b>	<b>1,040.00</b>		<b>\$36,493.60</b>	<b>\$65,381.93</b>	<b>\$101,875.53</b>	<b>\$10,948.08</b>	<b>\$112,823.61</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$112,823.61</b>
Subtask 05: Record Drawings										
Benjamin J. Schlachter	20.00	143.88	930.80	1,667.62	2,598.42	279.24	2,877.66	0.00	0.00	2,877.66
Cameron J. Woodcock	20.00	145.27	939.80	1,683.75	2,623.55	281.94	2,905.49	0.00	0.00	2,905.49
Emily A. Ensrud	40.00	71.91	930.40	1,666.90	2,597.30	279.12	2,876.42	0.00	0.00	2,876.42
<b>Subtask 05: Record Drawings Total</b>	<b>80.00</b>		<b>\$2,801.00</b>	<b>\$5,018.27</b>	<b>\$7,819.27</b>	<b>\$840.30</b>	<b>\$8,659.57</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$8,659.57</b>
Subtask 06: Additional ROW Coordination										
Universal Field Services Inc								3,500.00		3,500.00
<b>Subtask 06: Additional ROW Coordination Total</b>								<b>\$3,500.00</b>		<b>\$3,500.00</b>
Subtask 07: Additional Permitting Support										
Austin Fisher	2.00	308.94	199.86	358.07	557.93	59.96	617.89	0.00	0.00	617.89
Cameron J. Woodcock	16.00	145.27	751.84	1,347.00	2,098.84	225.55	2,324.39	0.00	0.00	2,324.39
Jens R. Swenson	16.00	176.38	912.80	1,635.37	2,548.17	273.84	2,822.01	0.00	0.00	2,822.01
Michael L. Hall	32.00	170.04	1,760.00	3,153.22	4,913.22	528.00	5,441.22	0.00	0.00	5,441.22
Michael S. Phelps	8.00	199.78	516.96	926.19	1,443.15	155.09	1,598.24	0.00	0.00	1,598.24
Nicole C. Nagao	64.00	118.04	2,443.52	4,377.81	6,821.33	733.06	7,554.39	0.00	0.00	7,554.39
Paul S. Fendt	4.00	267.58	346.20	620.25	966.45	103.86	1,070.31	0.00	0.00	1,070.31
<b>Subtask 07: Additional Permitting Support Total</b>	<b>142.00</b>		<b>\$6,931.18</b>	<b>\$12,417.91</b>	<b>\$19,349.09</b>	<b>\$2,079.36</b>	<b>\$21,428.45</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$21,428.45</b>
Subtask EXP: Expenses										
Other Direct Costs									7,500.00	7,500.00
<b>Subtask EXP: Expenses Total</b>								<b>\$7,500.00</b>		<b>\$7,500.00</b>
<b>Task 04: Phase 4 - Construction Services Total</b>	<b>2,672.00</b>		<b>\$115,557.06</b>	<b>\$207,032.02</b>	<b>\$322,589.08</b>	<b>\$34,667.13</b>	<b>\$357,256.21</b>	<b>\$3,500.00</b>	<b>\$7,500.00</b>	<b>\$368,256.21</b>

A PORTION OF THE SW 1/4 & SE 1/4 OF SECTION 33, T. 20 N., R. 5 E., W.M.  
 A PORTION OF THE NW 1/4 & SW 1/4 OF SECTION 4, T. 19 N., R. 5 E., W.M.  
 CITY OF BONNEY LAKE, PIERCE COUNTY, WASHINGTON



**RIGHT-OF-WAY LEGEND:**

- PROPOSED RIGHT-OF-WAY LINE
- EXISTING RIGHT-OF-WAY LINE
- DATING PROPERTY LINE
- EXISTING LOT LINE
- CENTERLINE
- SECTION LINE
- QUARTER SECTION LINE
- 1/4 SECTION LINE
- PORTION OF TRAIL LINE WITH RIGHT-OF-WAY
- EXISTING 15' PLACEDOWN (NO GRADIENT) (SEE PARADIGM 1020000)

**SURVEY NOTES:**

**BASES OF BEARINGS:**  
 N85°57'44"W ALONG THE SOUTH LINE OF THE QUADRICENT  
 1/4 SECTION 33, T. 20 N., R. 5 E., W.M. PER RECORD  
 OF SURVEY FILED UNDER A/N 20170275000

**HORIZONTAL DATUM:**  
 FOR THIS SURVEY IS NAD 83 (NAD 83),  
 WASHINGTON STATE PLANE SOUTH ZONE, U.S. SURVEY FEET,  
 BASED ON PUBLISHED INFORMATION FROM WOODS, POINT  
 DESIGNATION "SM 48 RESET"

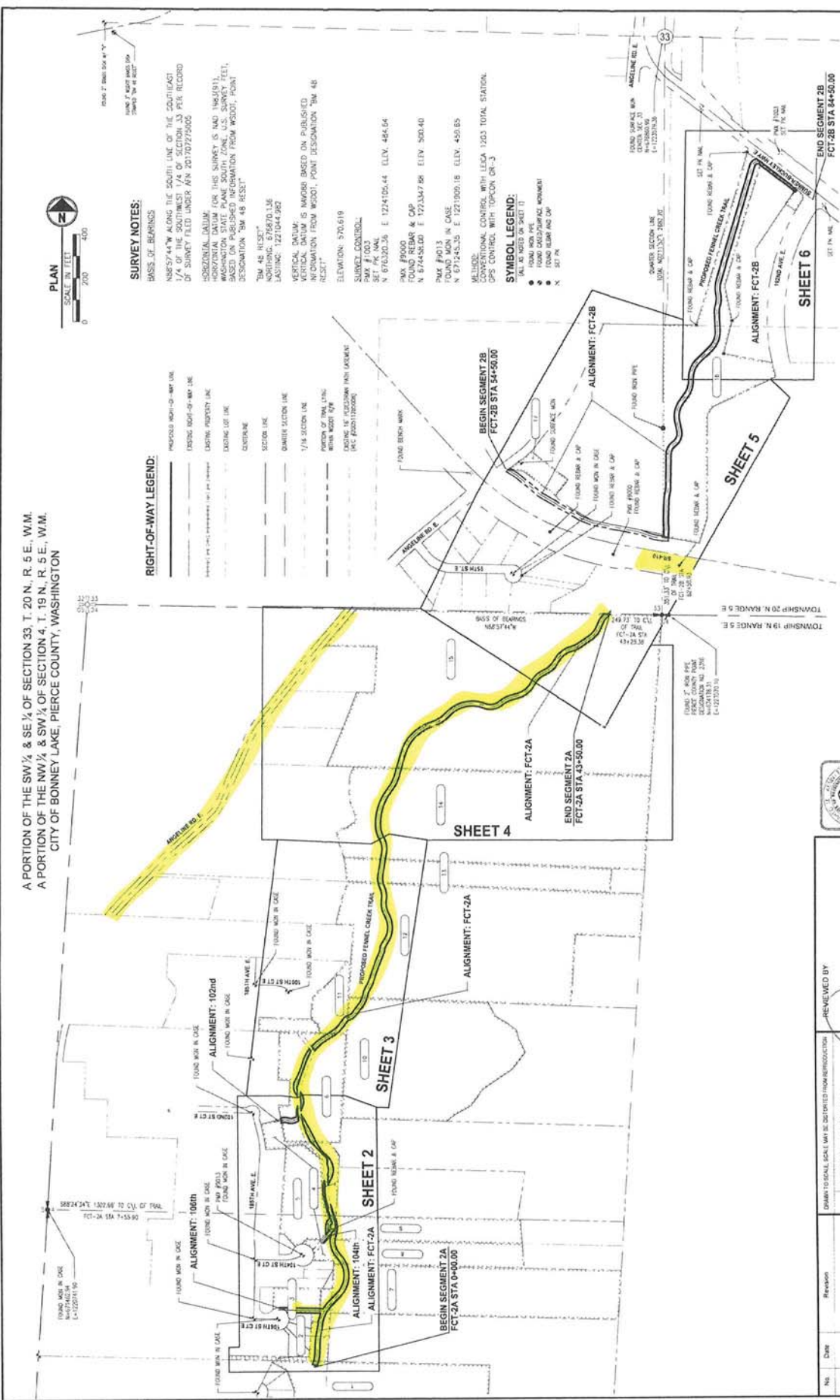
**BM 48 RESET:**  
 NORTHING: 676870.136  
 EASTING: 1221044.962

**VERTICAL DATUM:**  
 INFORMATION IS PROVIDED BASED ON PUBLISHED  
 INFORMATION FROM WOODS, POINT DESIGNATION "BM 48  
 RESET"

**SURVEY CONTROL:**  
 PBM # 1003  
 N 87°02'02.36 E 1224105.44 ELEV. 484.64  
 PBM # 1000  
 FOUND REBAR & CAP  
 N 81°45'35.00 E 1223347.98 ELEV. 508.40  
 PBM # 1013  
 FOUND MON IN CASE  
 N 87°24'35.35 E 1221000.16 ELEV. 439.85

**METHOD:**  
 TOTAL STATION CONTROL WITH LEICA 1203 TOTAL STATION.  
 GPS CONTROL WITH TOPCON CR-3

**SYMBOL LEGEND:**  
 (ALL AS NOTED ON SHEET 1)  
 ● FOUND SURFACE MONUMENT  
 ● FOUND CANTONMENT MONUMENT  
 ● FOUND REBAR AND CAP  
 ● SET PIN



**FENNEL CREEK TRAIL - SEGMENT 2**  
**CITY OF BONNEY LAKE**  
**RIGHT-OF-WAY PLANS**

DATE: 08/04/2020  
 SHEET NO: 1 OF 7

DESIGNED BY	SS
CHECKED BY	SSS
APPROVED BY	K
DATE	AUGUST 2020

**Parametrix**  
 3100 142nd Avenue, Suite 100, Bonney Lake, WA 98002  
 (206) 835-7000  
 www.parametrix.com



REVIEWED BY	DATE
Project Manager	DATE
Approved City Engineer	DATE
APPROVED BY	DATE
City Engineer	DATE

No.	Date	Revision
RECORD DRAWING CONTRIBUTION		
These drawings contain the Contractor's construction records.		
Drawn By	Date	
Contributor's Signature		