

## **Scope of Work**

### **1. Saint Paul Regional Water Services (SPRWS) Water Main Infrastructure**

#### **1.1. Project Management, Meetings, Design Coordination**

1.1.1. Schedule and lead water main design coordination meetings with MnDOT, SPRWS, St. Paul Public Works, and other utility owners (e.g. Xcel, LUMEN, Comcast, MCES, District Energy, Met Transit, etc.)

1.1.2. Prepare and send out meeting minutes.

1.1.3. The following items are not required:

- a. Public meetings or board meetings
- b. Public outreach
- c. Additional agency review of the water main beyond DOT review requirements.

#### **1.2. Water Main Design and Plan Preparation**

1.2.1. Any required survey limits should fall within the project area.

1.2.2. Services will be replaced to the curb stop at the right of way line.

1.2.3. Prepare 30%, 60%, 90% and 100% plans to remove, replace, and modify water main. Plan sheets will be incorporated in the SP 6217-50 plan set.

1.2.4. Removal drawings

- d. Show water main to be removed.
- e. Show existing utilities.

1.2.5. Plan and profile drawings (\*)

- a. Show existing and proposed water main infrastructure.
- b. Show existing utilities.

#### **1.3. Specifications**

1.3.1. Specifications will be provided by Saint Paul Regional Water Services. The provided specifications will be combined with the project specifications.

#### **1.4. Construction Cost Estimates**

1.4.1. Prepare preliminary and final construction cost estimates.

#### **1.5. Saint Paul Regional Water Services Responsibilities**

1.5.1. Attend all design coordination meetings.

1.5.2. Review and comment on engineering consultant work products, including plans and specifications, within 2 weeks of receipt. No additional agency review is required.

1.5.3. Provide record plans and specifications.

1.5.4. Advise regarding new watermain pipe sizes.

1.5.5. Inspection of water main.

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**KJ**

No.	Work Tasks	KJ										Totals
		Senior Project Manager	Senior Engineer	Engineer	Senior Project Manager	Associate Project Manager	Engineer	Engineer in Training II	Engineer in Training I	Associate Planner	Project Assistant II	
1	Saint Paul Regional Water Services (SPRWS) Water Main Infrastructure	40	100	120				240	240		8	740
	<b>Total Hours</b>	<b>40</b>	<b>100</b>	<b>120</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>240</b>	<b>240</b>	<b>0</b>	<b>8</b>	<b>740</b>
	Hourly Rate	\$84.47	\$62.53	\$53.72	\$70.00	\$60.10	\$50.00	\$37.00	\$32.00	\$34.00	\$27.00	
	<b>Direct Labor Costs</b>	<b>\$3,378.80</b>	<b>\$6,253.00</b>	<b>\$6,446.40</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$8,880.00</b>	<b>\$7,680.00</b>	<b>\$0.00</b>	<b>\$216.00</b>	<b>\$32,854.20</b>
	<b>Overhead Costs @ 170.0% of Direct Labor Costs</b>											<b>\$55,852.14</b>
	<b>Fixed Fee @ 14.5% of (Direct Labor Costs + Overhead Costs)</b>											<b>\$12,862.42</b>
	<b>Direct Expenses</b>											<b>\$0.00</b>
	<b>Total</b>											<b>\$101,568.76</b>