METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI

Project ID 10142910 Ludlow Run Sustainable Source Control Contract 95x12762

Progress Report for Professional Services provided September 26, 2022 through October 30, 2022

Arcadis U.S., Inc.

At the request of the Metropolitan Sewer District of Greater Cincinnati, Arcadis worked on the following items as summarized below.

Task 1 Project Administration - Planning

- Performed project administration and resource management; communicated updates to MSDGC project manager.
- Draft schedule is has received comments from MSDGC and will be update accordingly to actual submittals for steps 4 and 5. This will be included with next invoice.

Task 2 Data Review and Collection

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Task 3 Collection System Model Review

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Task 4 Model Update and Calibration

- Performed data review and event development for 12 meters.
- Performed review of monitoring site maintenance logs and complete table.
- Performed event exclusion tables for 12 meters.
- Performed Flowfinity Submittal for Event File app for 12 meters.
- Meetings and coordination with MSDGC on schedule updates.
- Performed initial review of Hazen Delineation and discovered need for update (model couldn't run)

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	Review Flow Monitor Data during Collection	156 29-Mar-21A	31-Mar-22		Review Flow Monitor Data during Collection	
	itoring Data	10 01 Apr 22	14-Apr-22		Receive Flow Monitoring Data	
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4.060 Prepare Draft Task	Prepare Draft Task 4 Deliverables based on MSDGC Modeling	15 15-Apr-22	05-May-22		Pepare Draft Task 4 Deliverables based on MSDGC Modeling guidelines	MSDGC Modeling guidelines
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	Resolve MSDGC Comments and Update Modeling Report	15 30-Sep-22	20-Oct-22		Resolve MSDGC O	Resolve MSDGC Comments and Update Modeling
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4.150 Develop Baseline Project Model	Project Model	10 06 Sep 22	19-Sep-22		□ Develop Baseline Project Mode	
Task 5 Planning and BCE		160 20-Sep-22	01-May-23			▼ 01-May-23, Task 5 PI
	Perform Conditions and Capacity Analysis	20 20-Sep-22	17-Oct 22		Perform Conditions	Perform Conditions and Capacity Analysis
	Perform Alternatives Analysis and Modeling	50 18-Oct-22	26-Dec-22		Perform	Perform Alternatives Analysis and Modeli
	s Analysis Report	20 27-Dec-22	23 Jan-23			Prepare Alternatives Analysis Report
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	Conduct Altematives Analysis Review Meeting	0 10-Feb-23				 ◆ Conduct Alternatives Analysis Rev
5.070 Resolve MSDGC CX	Resolve MSDGC Comments and Update Alternatives Analysis Report	15 07-Feb-23	27-Feb-23			Resolve MSDGC Comments an
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