METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI

Project ID 10142910 Ludlow Run Sustainable Source Control Contract 95x12762

Progress Report for Professional Services provided January 31, 2022 through June 26, 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.
- Coordination with MSDGC on monitoring completion, discussions of schedule, discussions of
 modeling methodology based on updated modeling guidelines and processes since contract
 initiation. Internal meetings to discuss modeling process and impacts to scope and schedule as
 well as meetings with MSDGC PM and Modeling group to discuss plan to move forward with
 model calibration.
- Schedule to be updated based on discussions and changes to modeling.

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

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10 23-49-20. 0 10-14-20.	1.010	Notice to Proceed for PM Task 1	0 29 Apr 20 A		
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The and Baseline Schedule	1.030	Prepare Task 1 Deliverables	26 29-Apr-20.A	03-Jun-20 A	Prepare Task 1 Deliverables
10 10 10 10 10 10 10 10	1.040	Submit Draft Project Management Plan and Baseline Schedule for MSD3C Review	0	03-Jun-20 A	◆ Submit Draft Project Management Plan, and Baselfind Schedule for MSDGC Review
10 14-10-20 10 14-10-2	1.050	Submit Draft OA/OC Plan for MSDGC Review	0	03-Jun-20 A	◆ Submit Draft CANCC Plan for MSDGC Peview
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Part	1.080	Resolve MSDGC Comments and Update Task 1 Deliverables	10 18 Jun-20 A	20-Jul-20 A	Resolve MSDGC Comments and Update Task 1 Deliverables
Page	1.085	Submit Revised Draft Task 1 Deliverables	0	01-Jul-20 A	◆ Supmit-Revised Draft Task 1 Deliverbles
A	1.090	Submit Final Project Management Plan	0	21-Jul-20 A	◆ Submit Final Project Management Plan
Mareting 1	1.100	Submit Final QA/QC Plan	0	21-Jul-20 A	◆ Subritit Final QA/QC Plan
0.30-bury20 A 0.04-bur201 0.04-bur202	1.110	Submit Final Risk Management Plan and Update Risk Register	0	21-Jul-20 A	◆ Submit Final Risk Management Plan and Update Risk Register
10 10 10 10 10 10 10 10	1.140	Community Meeting	0 30 Jun 20 A		◆ Community Meeting
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15 20-Aug-20 A 16-Sep-20 A	2.040	Initial Site Visit with MSDGC	0 08-Sep-20.A		◆ Initial Site Visit with MSD/SC
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10 16-Sep-20 A 06-Oct-20 A 11-Dec-20 A	2.060	Submit Draft Data Review Tech Memo for MSDGC Review	0	16-Sep-20 A	◆ Subrint Drata Review Tech Memp for MSDGC Review
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Actual Work Critical Remaining Work Actual WBS Summary Page 1 of 2	3.080	Perform system survey as recommended in Model Review Tech Memo (with MSDGC Approval)	10 18-Mar-22	31-Mar-22	Pefrom system survey as recommended in Model Review Tech Memo (with MSDC)
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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	
	/lode	60 07 Jan 22	31 Mar 22		Update Hydraulic Model	
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	
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	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
	Submit Draft Alternatives Analysis Report for MSDGC Review	0	23-Jan-23		dus ◆	 Submit Draft Alternatives Analysis Re
	MSDGC Review of Draft Alternatives Analysis Report	10 24 Jan-23	06-Feb-23			■ MSDGC Review of Draft Alternative
	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
5 080 Submit Final Attems	Submit Final Attematives Analysis Report	c	27 Feb 23			Submit Final Alternatives Analys
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