# METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI

# Project ID 10142910 Ludlow Run Sustainable Source Control Contract 95x12762

Progress Report for Professional Services provided May 1, 2023 through May 28, 2023

# 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.
- Updated Schedule

## 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

- Development of Submodels, Boundary Conditions and Inflows for Model Calibration
  - Submodels:
    - Ludlow 007/008/010
    - Ludlow 009
    - Ludlow 074/075/075
    - Ludlow 017
    - Ludlow 011/012
- Schedule delay, calibration work had to be transitioned to new staff for medical reasons. The
  transition of work to new staff took some time to complete. The schedule has been updated to
  reflect this transition.

Activity Name   Project Administration - Planning   Dominion   Dominion   Project Administration - Planning   Control   Cacherol Name   Notes to Proceed for Mil Task 1   Cacherol Name   Notes to Proceed for Mil Task 1   Cacherol Name   Notes to Proceed for Mil Task 1   Cacherol Name   Notes to Proceed for Mil Task 1   Cacherol Name   Reveals	
10   25-20-00 A   10   25-40-00 A   10   25-40	2-3/4ar-24
762 29-kgr-20 A  chedule for MSDGC	22-Mar-24  Notice to Proceed for PM, Task 1  22-Mar-20  Co-Lun-20 A  Submit Dark Project Management Plan and Bessins Echelde for MEDGG Review  Co-Lun-20 A  Submit Dark Cheley of Uput Deleviables  Co-Lun-20 A  Submit Dark Cheley of Uput Deleviables  Co-Lun-20 A  Submit Dark Cheley of Uput Deleviables  Co-Lun-20 A  Submit Revised Drint Tesk (Deleviables  Co-Lun-20 A  Submit Revised Drint Tesk (Management Rain  Co-Lun-20 A  Submit Revised Drint Tesk Management Rain  Co-Lun-20 A  Submit Revised Drint Revised Drint Tesk (Management Rain  Co-Lun-20 A  Submit Revised Drint Revised Drint Tesk (Management Rain and Upute Risk Register  Co-Lun-20 A  Submit Revised Drint Revised Drint Revised Revised Drint Drint Weeting 2  Project Meeting 2  Project Meeting 3
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4.042 Full Data Review and Flow Event Development 50 22-Aug-22 A 10-Nov-2	100vice2A The Tabus Fevier and Fbus Fevier and Fbus Fever to Dejelopojenni
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4.060	Valdate and Calibrate Hydraulic Model	85 22-Feb-23.A	Ī		Validate and Calbrate Hydraulic Model
	Prepare Draft Task 4 Deliverables based on MSDGC Modeling guidelines	105 10-Nov-22A	28-Aug-23		Prepare Draft Task 4 Deliverables based on MSDGC I
4.070	Submit Event File (Step 4) for Review	0	10 Nov 22 A		Submit Event File (Step 4) for Review
4.075	MSDGC Reviewand Approval of Event File	10 10-Nov-22A	22-teb-23 A		Substitution of the Control of the Position of Event File
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4.080	Misulate Review and Approval or Data Review File Submit Model Collection Medal to Months Committee (Con 6) for Boulous	W 77-400-/1 01	72-460-23 W		Wood of November and College Williams (St. Model to Monitor Commonency)
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4.095	MSDGC Review of Calibration. Revisions and Approval	20 18-Jul-23	14-Aug-23		MSDGC Review of Calibration. Revisions and Approval
4 100	Submit Model for Devlour (Ston 7)		14-Aug 23		Submit Model for Review (Step 7)
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4.105	MSDGC Review of Model, Revisions and Approval	10 15-Aug-23	28 Aug 23		MSDGC Review of Model, Revisions and Approval
4.110	Prepare Draft Modeling Report	10 29-Aug-23	11-Sep-23		Prepare Draft Modeling Report
4.115	Submit Draff Modeling Report (Step 8)	0	11-Sep-23		◆ Submit Draff Modeling Report (Step 8)
4.120	MSDGC Review of Draft Modeling Report	10 12 Sep 23	25 Sep 23		MSDGC Review of Draff Modeling Report
4,130	Resolve MSDGC Comments and Update Modeling Report	10 25-Sep-23	06-Oct-23		Resolve MSDGC Comments and Update Mode
4.140	Submit Final Modeling Report and Model Files	0	06-Oct-23		◆ Submit Final Modeling Report and Model Files
4.150	Develop Baseline Project Model	10 29-Aug-23	11-Sep-23		
		160 15 Aug 23	25 Mar 24		A HOST NC-20MAC
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5.010	Perform Conditions and Capacity Analysis	20 15-Aug-23	11-Sep-23		Perform Conditions and Capacity Analysis
5.020	Perform Alternatives Analysis and Modeling	50 12-Sep-23	20-Nov-23		Perform Alternatives Analysis and Mode
5.030	Prepare Alternatives Analysis Report	20 21-Nov-23	18-Dec-23		Prepare Alternatives Analysis Repo
5.040	Submit Draff Alternatives Analysis Report for MSDGC Review	0	18-Dec-23		Submit Draft Alternatives Analysis F
5.050	MSDGC Review of Draft Alternatives Analysis Report	10 19-Deo-23	01-Jan-24		■ MSDGC Review of Draft Alternat
2.080	Conduct Alternatives Analysis Review Meeting	0 05-Jan-24			◆ Conduct Alternatives Analysis R.
5.070	Resolve MSDGC Comments and Update Alternatives Analysis Report	15 02 Jan-24	22-Jan-24		Resolve MSDGC Comments
5.080	Submit Final Alternatives Analysis Report	0	22 Jan 24		◆ Submit Final Alternatives Ana
5,090	Prepare Draft BCE	20 23 Jan 24	19 Feb 24		Prepare Draft BCE
5,100	Submit Draff BCE for MSDGC Review	0	19 Feb 24		◆ Submit Diaft BCE for M
5,110	MSDGC Review of Draft BCE	10 20-Feb-24	04-Mar-24		M\$DG¢ Review of Dr
5.120	Conduct BCE Review Meeting	0 08-Mar-24			◆ Conduit BCE Reviev
5.130	Resolve MSDGC Comments and Update BCE	15 05-Mar-24	25-Mar-24		Resolve MSDGC
5,140	Submit Final BCE Report	0	25-Mar-24		◆ Submit Final BCE
5,999	End of Planning Phase	0	25 Mar 24*		◆ End of Planning P
Rem:	Remaining Level of Effort Actual Work Critical Re-Actual Level of Effort Remaining Work OF OFFIOR	Critical Remaining Work	<del></del>	Page 2 of 2	
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