

METROPOLITAN SEWER DISTRICT OF GREATER CINCINNATI

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

Progress Report for
Professional Services provided September 28, 2020 through November 1, 2020

Arcadis U.S., Inc.

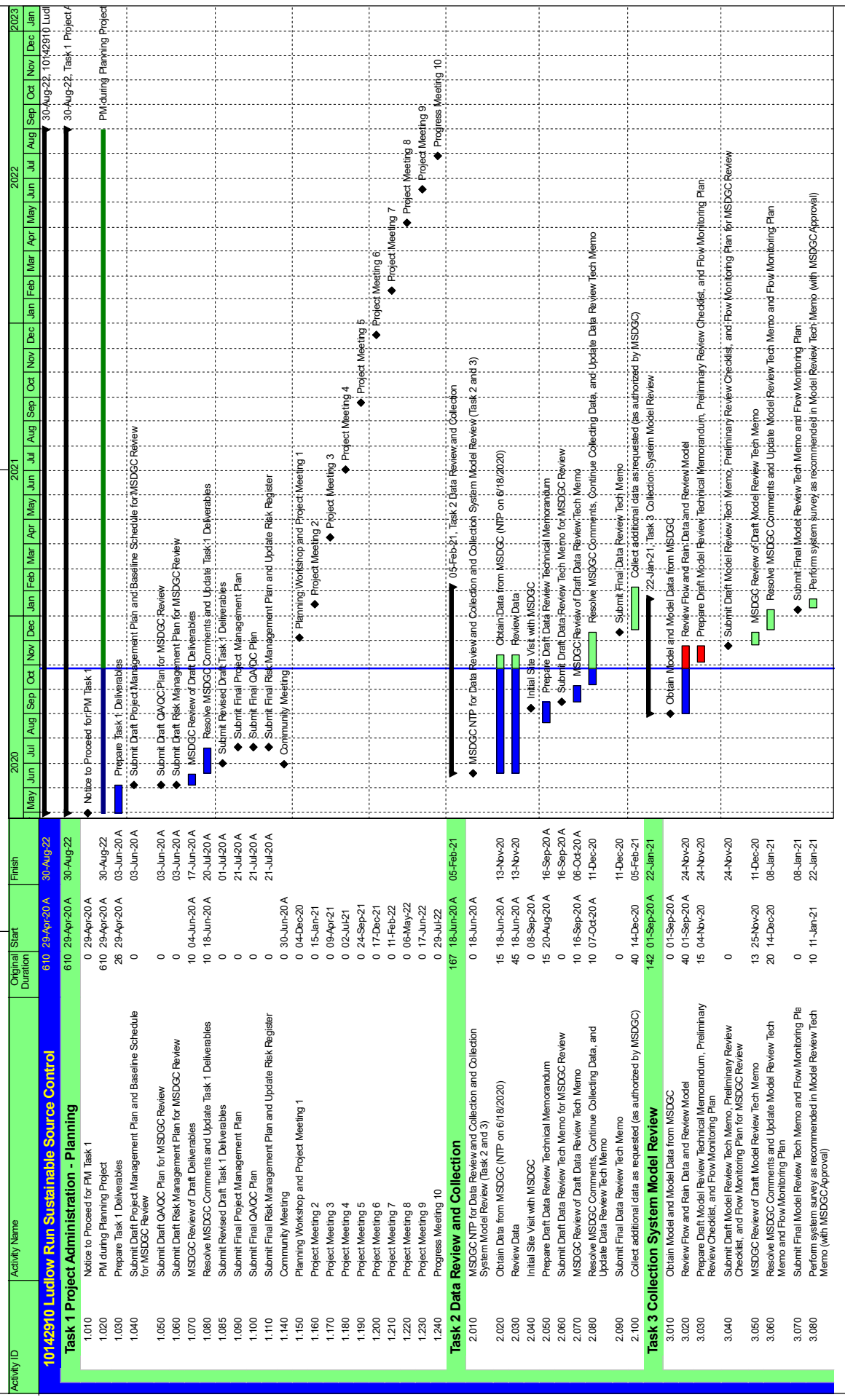
At the request of the Metropolitan Sewer District of Greater Cincinnati, Arcadis worked on the following items as summarized below.

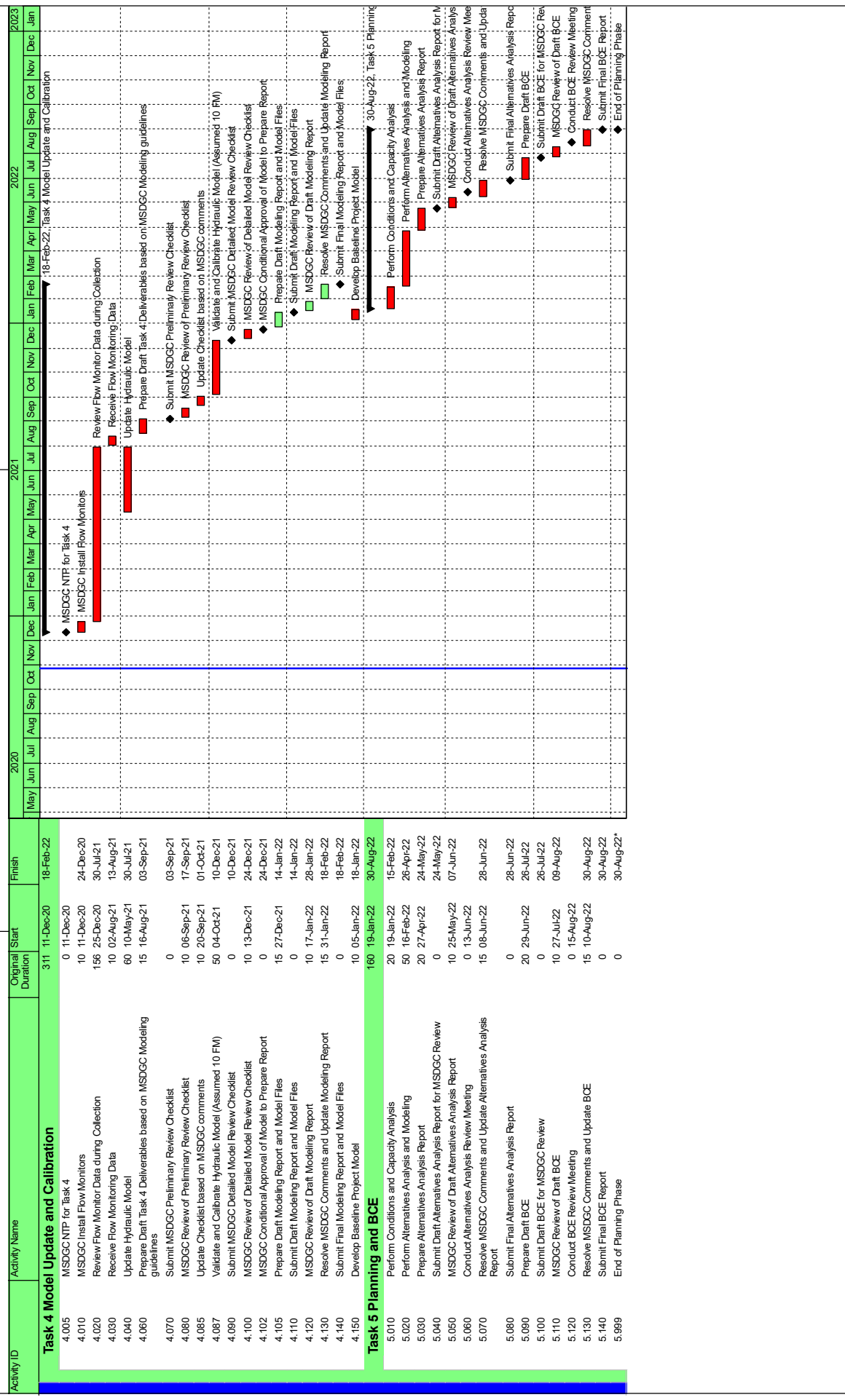
Task 1 Project Administration - Planning

- Performed project administration and resource management; communicated updates to MSDGC project manager.
- Communicated Project Schedule updates and met with client to discuss updated schedule.

Task 2 Data Review and Collection

- Developed Site Visit Summary and distributed for internal review before submittal to MSDGC.
- Began Hydraulic Model review with comparison of current model received to GIS data.
 - Flagging areas where project boundaries need corrected/updated.
 - Flagging areas where GIS data has gaps.
- Began review of flow monitoring and development of preliminary checklist items
- Identification of rainfall data to be utilized during model review.
- Continued update of data inventory as data items were received and communicated with Project Manager on items yet to be received.





Activity ID	Activity Name	Original Start	Finish
4.005	MSDGC NTP for Task 4	11-Dec-20	18-Feb-22
4.010	MSDGC Install Flow Monitors	11-Dec-20	30-Jul-21
4.020	Review Flow Monitor Data during Collection	25-Dec-20	24-Dec-20
4.030	Receive Flow Monitoring Data	02-Aug-21	13-Aug-21
4.040	Update Hydraulic Model	10-May-21	30-Jul-21
4.060	Prepare Draft Task 4 Deliverables based on MSDGC Modeling guidelines	16-Aug-21	03-Sep-21
4.070	Submit MSDGC Preliminary Review Checklist	06-Sep-21	03-Sep-21
4.080	MSDGC Review of Preliminary Review Checklist	20-Sep-21	17-Sep-21
4.085	Update Checklist based on MSDGC comments	04-Oct-21	01-Oct-21
4.087	Validate and Calibrate Hydraulic Model (Assumed 10 FM)	13-Dec-21	10-Dec-21
4.090	Submit MSDGC Detailed Model Review Checklist	13-Dec-21	24-Dec-21
4.100	MSDGC Review of Detailed Model Review Checklist	27-Dec-21	24-Dec-21
4.102	MSDGC Conditional Approval of Model to Prepare Report	17-Jan-22	24-Dec-21
4.105	Prepare Draft Modeling Report and Model Files	31-Jan-22	14-Jan-22
4.110	Submit Draft Modeling Report and Model Files	05-Jan-22	14-Jan-22
4.120	MSDGC Review of Draft Modeling Report	19-Jan-22	28-Jan-22
4.130	Resolve MSDGC Comments and Update Modeling Report	19-Jan-22	18-Feb-22
4.140	Submit Final Modeling Report and Model Files	05-Jan-22	18-Feb-22
4.150	Develop Baseline Project Model	19-Jan-22	30-Aug-22
5.010	Perform Conditions and Capacity Analysis	19-Jan-22	15-Feb-22
5.020	Perform Alternatives Analysis and Modeling	16-Feb-22	26-Apr-22
5.030	Prepare Alternatives Analysis Report	27-Apr-22	24-May-22
5.040	Submit Draft Alternatives Analysis Report for MSDGC Review	25-May-22	24-May-22
5.050	MSDGC Review of Draft Alternatives Analysis Report	13-Jun-22	07-Jun-22
5.060	Conduct Alternatives Analysis Review Meeting	08-Jun-22	28-Jun-22
5.070	Resolve MSDGC Comments and Update Alternatives Analysis Report	29-Jun-22	28-Jun-22
5.080	Submit Final Alternatives Analysis Report	29-Jun-22	26-Jul-22
5.090	Prepare Draft BCE	27-Jul-22	26-Jul-22
5.100	Submit Draft BCE for MSDGC Review	15-Aug-22	09-Aug-22
5.110	MSDGC Review of Draft BCE	10-Aug-22	26-Jul-22
5.120	Conduct BCE Review Meeting	10-Aug-22	09-Aug-22
5.130	Resolve MSDGC Comments and Update BCE	30-Aug-22	30-Aug-22
5.140	Submit Final BCE Report	30-Aug-22	30-Aug-22
5.999	End of Planning Phase	0	30-Aug-22*