

AMENDMENT NUMBER 02 TO
AGREEMENT FOR PROFESSIONAL SERVICES
BETWEEN
HDR MICHIGAN, INC. (HDR),
AND
THE CITY OF ANN ARBOR

The City of Ann Arbor, a Michigan municipal corporation, with offices at 301 E. Huron St., Ann Arbor, Michigan 48103 ("City") and HDR Michigan, Inc, a Michigan Corporation with its office at 5405 Data Court, Ann Arbor, Michigan 48108 ("Consultant") agree to amend the professional services agreement for engineering services for the WWTP Area Odor Study executed by the parties dated December 20, 2018, as follows:

- 1) **EXHIBIT A, SCOPE OF SERVICES**, is amended to add additional services as specified in the attached **EXHIBIT A-2**.

- 2) **Article IV.A., COMPENSATION OF CONSULTANT** is amended to add the following:

The Consultant shall be paid for providing the additional services specified in attached **EXHIBIT A-2** on the basis of time spent and materials used at the rates and prices specified in attached **EXHIBIT B-2** for the professional service agreement for engineering services for the WWTP Area Odor Study Project executed by the parties dated December 20, 2018. The additional fee to be paid the Consultant for the additional services specified in **EXHIBIT A-2** shall not exceed \$34,349.00. Payment shall be made monthly following receipt of invoices submitted by the Consultant, and approved by the Contract Administrator.

All terms, conditions, and provisions of the original agreement between the parties executed December 20, 2018, unless specifically amended above, are to apply to this amendment and are made a part of this amendment as though expressly rewritten, incorporated, and included herein.

This amendment to the agreement between the parties shall be binding on the heirs, successors and assigns of the parties.

Dated this _____, 2019

For Consultant

By _____
Khaled Soubra, Vice President

For City of Ann Arbor

By _____
Christopher Taylor, Mayor

By _____
Jacqueline Beaudry, City Clerk

Approved as to form and content

Stephen K. Postema, City Attorney

Approved as to substance

Howard S. Lazarus, City Administrator

Craig A. Hupy, P.E., Public Services
Administrator

EXHIBIT A-2

Scope of Services

EXHIBIT A-2

Task 1 – Arborview Blvd. Odor Sampling – Phase I

- Review available collection system drawings and hydraulic profiles to determine which manholes (MH) on Arborview Blvd. should be tested.
- Field walk of collection system from the Scio Twp. force main discharge on Dexter Ave through Arborview. This includes determining if hydrogen sulfide (H₂S) and pressure monitors can be installed in each manhole (MH) identified. It was determined that 7 MH's would be tested.
- Perform H₂S and pressure field monitoring in MH's along Dexter Ave. and Arborview Blvd. The monitors will be placed in the MHs for one week at the following locations:
 - o 21" MH directly downstream of force main MH on Dexter Ave (H₂S and pressure)
 - o 15" MH at intersection of Revena Pl and Arborview (H₂S and pressure)
 - o 12" MH just east of N Revena Blvd and Arborview (H₂S and pressure)
 - o 15" MH at intersection of Linda Vista Ave and Arborview (H₂S and pressure)
 - o 12" MH at intersection of Linda Vista Ave and Arborview (H₂S and pressure)
 - o 15" MH at intersection of Wesley St and Arborview (H₂S and pressure)
 - o 12" MH at intersection of Wesley St and Arborview (H₂S and pressure)
- Equipment rental and project management planning, equipment installation and removal.
- Deliverable = Technical memo will identify the manholes tested and field results for H₂S and pressure for each location.

Task 2 – Arborview Blvd. Odor Sampling – Phase II

- Perform additional H₂S and pressure field monitoring in MH's along Dexter Ave. and Arborview Blvd. The monitors will be placed in the MHs for one week at the following locations:
 1. 21" MH 71-67269 on Dexter Ave. (H₂S and pressure monitoring)
 2. 15" MH 71-67537 on Arborview Blvd. east of Wildwood Ave. (H₂S monitoring)
 3. 12" MH 71-67717 on Revena Place north of Arborview (H₂S monitoring)
 4. 15" MH 71-67528 on Arborview east of Revena Place (H₂S and if possible, pressure)
 5. 12" MH 71-67538 on Arborview, east of Revena (H₂S and if possible, pressure)
 6. 15" MH 71-67539 at intersection of Wesley St. & Arborview (H₂S monitoring)
 7. 12" MH 71-67529 at intersection of Wesley St. & Arborview (H₂S monitoring)
 8. 15" MH 71-67533 on Arborview at Paul St. (H₂S monitoring and if possible, pressure)
 9. 12" MH 71-67544 on Arborview at Paul St. (H₂S monitoring and if possible, pressure)
- HDR to review TV inspection video from Arborview when it becomes available.
- Equipment rental and project management planning, equipment installation and removal.
- Deliverable = Update the previously submitted Arborview Odor Source Sampling Summary Technical memo. Updates include identifying the additional manholes tested and field results for H₂S and pressure for each location. Updates also include analysis of the data collected and provide recommendations for potential odor mitigation options.

EXHIBIT B-2

Fee Schedule

**EXHIBIT B-2
AMENDMENT No. 2**

Staff	Josh Prusakiewicz	Chris Easter	Charles Schmidt	TBD	Expenses	Grand Total
Title	Project Manager/Engineer	Odor Lead Engineer	Odor Sample Testing	Junior Engineer		
Billable Rate/Hour	\$166.95	\$283.28	-	\$119.70	-	-
Phase 1 Arborview Testing	64 hours \$10,685	24 hours \$6,799			Detection Instruments/Misc. \$2,881	88 hours \$20,365
Phase 2 Arborview Testing	40 hours \$6,678	12 hours \$3,399		8 hours \$958	Detection Instruments/Misc. \$2,949	60 hours \$13,984
TOTAL:						\$34,349.00