

**PROFESSIONAL SERVICES AGREEMENT BETWEEN
FISHBECK, THOMPSON, CARR & HUBER, INCORPORATED
AND THE CITY OF ANN ARBOR
FOR THE
THE NICHOLS ARBORETUM SIPHON AND SANITARY SEWER REHABILITATION
PROJECT**

The City of Ann Arbor, a Michigan municipal corporation, having its offices at 301 E. Huron St. Ann Arbor, Michigan 48104 ("City"), and the Fishbeck, Thompson, Carr, & Huber, Incorporated, ("Consultant" or "Contractor") a Michigan corporation with its address at 39500 MacKenzie Drive, Suite 100, Novi, Michigan 48377 agree as follows on this _____ day of June, 2016.

The Contractor agrees to provide services to the City under the following terms and conditions:

I. DEFINITIONS

Administering Service Area/Unit means the Public Services Area.

Contract Administrator means Nicholas S. Hutchinson, P.E. acting personally or through any assistants authorized by the Administrator/Manager of the Administering Service Area/Unit.

Deliverables means all Plans, Specifications, Reports, Recommendations, and other materials developed for and delivered to City by Contractor under this Agreement

Project means the Nichols Arboretum Siphon and Sanitary Sewer Rehabilitation Project; City File No. 2016-026.

II. DURATION

This agreement shall become effective on the date that all parties have signed, and shall remain in effect until satisfactory completion of the Services specified below unless terminated as provided for in Section XI.

III. SERVICES

- A. The Contractor agrees to provide professional engineering services ("Services") in connection with the Project as described in Exhibit A. The City retains the right to make changes to the quantities of service within the general scope of the Agreement at any time by a written order. If the changes add to or deduct from the extent of the services, the contract sum shall be adjusted accordingly. All such changes shall be executed under the conditions of the original Agreement.

- B. Quality of Services under this Agreement shall be of the level of quality performed by persons regularly rendering this type of service. Determination of acceptable quality shall be made solely by the Contract Administrator.
- C. The Contractor shall perform its Services for the Project in compliance with all statutory, regulatory and contractual requirements now or hereafter in effect as may be applicable to the rights and obligations set forth in the Agreement.
- D. The Contractor may rely upon the accuracy of reports and surveys provided to it by the City (if any) except when defects should have been apparent to a reasonably competent professional or when it has actual notice of any defects in the reports and surveys.

IV. INDEPENDENT CONTRACTOR

The Parties agree that at all times and for all purposes under the terms of this Agreement each Party's relationship to any other Party shall be that of an independent contractor. Each Party will be solely responsible for the acts of its own employees, agents, and servants. No liability, right, or benefit arising out of any employer/employee relationship, either express or implied, shall arise or accrue to any Party as a result of this Agreement.

V. COMPENSATION OF CONTRACTOR

- A. The Contractor shall be paid in the manner set forth in Exhibit B. Payment shall be made monthly, unless another payment term is specified in Exhibit B, following receipt of invoices submitted by the Contractor, and approved by the Contract Administrator.
- B. The Contractor will be compensated for Services performed in addition to the Services described in Section III, only when the scope of and compensation for those additional Services have received prior written approval of the Contract Administrator.
- C. The Contractor shall keep complete records of work performed (e.g. tasks performed/hours allocated) so that the City may verify invoices submitted by the Contractor. Such records shall be made available to the City upon request and submitted in summary form with each invoice.

VI. INSURANCE/INDEMNIFICATION

- A. The Contractor shall procure and maintain during the life of this contract such insurance policies, including those set forth in Exhibit C, as will protect itself and the City from all claims for bodily injuries, death or property damage which may arise under this contract; whether the act(s) or omission(s) giving rise to the claim were made by the Contractor, any subcontractor or anyone employed by them directly or indirectly. In the case of all contracts involving on-site work, the

Contractor shall provide to the City, before the commencement of any work under this contract, documentation satisfactory to the City demonstrating it has obtained the policies and endorsements required by Exhibit C.

- B. Any insurance provider of Contractor shall be admitted and authorized to do business in the State of Michigan and shall carry and maintain a minimum rating assigned by A.M. Best & Company's Key Rating Guide of "A-" Overall and a minimum Financial Size Category of "V". Insurance policies and certificates issued by non-admitted insurance companies are not acceptable unless approved in writing by the City.
- C. To the fullest extent permitted by law, Contractor shall indemnify, defend and hold the City, its officers, employees and agents harmless from all suits, claims, judgments and expenses, including attorney's fees, resulting or alleged to result, from any acts or omissions by Contractor or its employees and agents occurring in the performance of or breach in this Agreement, except to the extent that any suit, claim, judgment or expense are finally judicially determined to have resulted from the City's negligence or willful misconduct or its failure to comply with any of its material obligations set forth in this Agreement.

VII. COMPLIANCE REQUIREMENTS

- A. Nondiscrimination. The Contractor agrees to comply, and to require its subcontractor(s) to comply, with the nondiscrimination provisions of MCL 37.2209. The Contractor further agrees to comply with the provisions of Section 9:158 of Chapter 112 of the Ann Arbor City Code and to assure that applicants are employed and that employees are treated during employment in a manner which provides equal employment opportunity.
- B. Living Wage. If the Contractor is a "covered employer" as defined in Chapter 23 of the Ann Arbor City Code, the Contractor agrees to comply with the living wage provisions of Chapter 23 of the Ann Arbor City Code. The Contractor agrees to pay those employees providing Services to the City under this Agreement a "living wage," as defined in Section 1:815 of the Ann Arbor City Code, as adjusted in accordance with Section 1:815(3); to post a notice approved by the City of the applicability of Chapter 23 in every location in which regular or contract employees providing services under this Agreement are working; to maintain records of compliance; if requested by the City, to provide documentation to verify compliance; to take no action that would reduce the compensation, wages, fringe benefits, or leave available to any employee or person contracted for employment in order to pay the living wage required by Section 1:815; and otherwise to comply with the requirements of Chapter 23.

VIII. WARRANTIES BY THE CONTRACTOR

- A. The Contractor warrants that the quality of its Services under this Agreement shall conform to the level of quality performed by persons regularly rendering this type of service.
- B. The Contractor warrants that it has all the skills, experience, and professional licenses necessary to perform the Services specified in this Agreement.
- C. The Contractor warrants that it has available, or will engage, at its own expense, sufficient trained employees to provide the Services specified in this Agreement.
- D. The Contractor warrants that it is not, and shall not become overdue or in default to the City for any contract, debt, or any other obligation to the City including real and personal property taxes.
- E. The Contractor warrants that its proposal for services was made in good faith, it arrived at the costs of its proposal independently, without consultation, communication or agreement, for the purpose of restricting completion as to any matter relating to such fees with any competitor for these Services; and no attempt has been made or shall be made by the Contractor to induce any other perform or firm to submit or not to submit a proposal for the purpose of restricting competition.

IX. OBLIGATIONS OF THE CITY

- A. The City agrees to give the Contractor access to the Project area and other City-owned properties as required to perform the necessary Services under this Agreement.
- B. The City shall notify the Contractor of any defects in the Services of which the Contract Administrator has actual notice.

X. ASSIGNMENT

- A. The Contractor shall not subcontract or assign any portion of any right or obligation under this Agreement without prior written consent from the City. Notwithstanding any consent by the City to any assignment, Contractor shall at all times remain bound to all warranties, certifications, indemnifications, promises and performances, however described, as are required of it under the Agreement unless specifically released from the requirement, in writing, by the City.
- B. The Contractor shall retain the right to pledge payment(s) due and payable under this Agreement to third parties.

XI. TERMINATION OF AGREEMENT

- A. If either party is in breach of this Agreement for a period of fifteen (15) days following receipt of notice from the non-breaching party with respect to a breach, the non-breaching party may pursue any remedies available to it against the breaching party under applicable law, including but not limited to, the right to terminate this Agreement without further notice. The waiver of any breach by any party to this Agreement shall not waive any subsequent breach by any party.
- B. The City may terminate this Agreement, on at least thirty (30) days advance notice, for any reason, including convenience, without incurring any penalty, expense or liability to Contractor, except the obligation to pay for Services actually performed under the Agreement before the termination date.
- C. Contractor acknowledges that, if this Agreement extends for several fiscal years, continuation of this Agreement is subject to appropriation of funds for this Project. If funds to enable the City to effect continued payment under this Agreement are not appropriated or otherwise made available, the City shall have the right to terminate this Agreement without penalty at the end of the last period for which funds have been appropriated or otherwise made available by giving written notice of termination to Contractor. The Contract Administrator shall give Contractor written notice of such non-appropriation within thirty (30) days after it receives notice of such non-appropriation.
- D. The provisions of Articles VI and VIII shall survive the expiration or earlier termination of this Agreement for any reason. The expiration or termination of this Agreement, for any reason, shall not release either party from any obligation or liability to the other party, including any payment obligation that has already accrued and Contractor's obligation to deliver all Deliverables due as of the date of termination of the Agreement.

XII. REMEDIES

- A. This Agreement does not, and is not intended to, impair, divest, delegate or contravene any constitutional, statutory and/or other legal right, privilege, power, obligation, duty or immunity of the Parties.
- B. All rights and remedies provided in this Agreement are cumulative and not exclusive, and the exercise by either party of any right or remedy does not preclude the exercise of any other rights or remedies that may now or subsequently be available at law, in equity, by statute, in any agreement between the parties or otherwise.
- C. Absent a written waiver, no act, failure, or delay by a Party to pursue or enforce any rights or remedies under this Agreement shall constitute a waiver of those rights with regard to any existing or subsequent breach of this Agreement. No waiver of any term, condition, or provision of this Agreement, whether by conduct or otherwise, in one or more instances, shall be deemed or construed as a

continuing waiver of any term, condition, or provision of this Agreement. No waiver by either Party shall subsequently effect its right to require strict performance of this Agreement.

XIII. NOTICE

All notices and submissions required under this Agreement shall be delivered to the respective party in the manner described herein to the address stated in this Agreement or such other address as either party may designate by prior written notice to the other. Notices given under this Agreement shall be in writing and shall be personally delivered, sent by next day express delivery service, certified mail, or first class U.S. mail postage prepaid, and addressed to the person listed below. Notice will be deemed given on the date when one of the following first occur: (1) the date of actual receipt; (2) the next business day when notice is sent next day express delivery service or personal delivery; or (3) three days after mailing first class or certified U.S. mail.

If Notice is sent to the CONTRACTOR, it shall be addressed and sent to:

Fishbeck, Thompson, Carr & Huber, Incorporated
39500 MacKenzie Drive, Suite 100
Novi, Michigan 48377
Attention: Stephen C. Nichols, P.E.
Senior Vice-president

If Notice is sent to the CITY, it shall be addressed and sent to:

City of Ann Arbor
Public Services Area
c/o Craig A. Hupy, P.E., Public Services Area Administrator
P.O. Box 8647
Ann Arbor, Michigan 48107

XIV. CHOICE OF LAW AND FORUM

This Agreement will be governed and controlled in all respects by the laws of the State of Michigan, including interpretation, enforceability, validity and construction, excepting the principles of conflicts of law. The parties submit to the jurisdiction and venue of the Circuit Court for Washtenaw County, State of Michigan, or, if original jurisdiction can be established, the United States District Court for the Eastern District of Michigan, Southern Division, with respect to any action arising, directly or indirectly, out of this Agreement or the performance or breach of this Agreement. The parties stipulate that the venues referenced in this Agreement are convenient and waive any claim of non-convenience.

XV. OWNERSHIP OF DOCUMENTS

Upon completion or termination of this Agreement, all documents (i.e., Deliverables) prepared by or obtained by the Contractor as provided under the terms of this Agreement shall be delivered to and become the property of the City. Original basic survey notes, sketches, charts, drawings, partially completed drawings, computations, quantities and other data shall remain in the possession of the Contractor as instruments of service unless specifically incorporated in a deliverable, but shall be made available, upon request, to the City without restriction or limitation on their use. The City acknowledges that the documents are prepared only for the Project. Prior to completion of the contracted Services the City shall have a recognized proprietary interest in the work product of the Contractor.

Unless otherwise stated in this Agreement, any intellectual property owned by Contractor prior to the effective date of this Agreement (i.e., Preexisting Information) shall remain the exclusive property of Contractor even if such Preexisting Information is embedded or otherwise incorporated in materials or products first produced as a result of this Agreement or used to develop Deliverables. The City's right under this provision shall not apply to any Preexisting Information or any component thereof regardless of form or media.

XVI. CONFLICTS OF INTEREST OR REPRESENTATION

Contractor certifies it has no financial interest in the Services to be provided under this Agreement other than the compensation specified herein. Contractor further certifies that it presently has no personal or financial interest, and shall not acquire any such interest, direct or indirect, which would conflict in any manner with its performance of the Services under this Agreement.

Contractor agrees to advise the City if Contractor has been or is retained to handle any matter in which its representation is adverse to the City. The City's prospective consent to the Contractor's representation of a client in matters adverse to the City, as identified above, will not apply in any instance where, as the result of Contractor's representation, the Contractor has obtained sensitive, proprietary or otherwise confidential information of a non-public nature that, if known to another client of the Contractor, could be used in any such other matter by the other client to the material disadvantage of the City. Each matter will be reviewed on a case by case basis.

XVII. SEVERABILITY OF PROVISIONS

Whenever possible, each provision of this Agreement will be interpreted in a manner as to be effective and valid under applicable law. However, if any provision of this Agreement or the application of any provision to any party or circumstance will be prohibited by or invalid under applicable law, that provision will be ineffective to the extent of the prohibition or invalidity without invalidating the remainder of the provisions of this Agreement or the application of the provision to other parties and circumstances.

XVIII. EXTENT OF AGREEMENT

This Agreement, together with any affixed exhibits, schedules or other documentation, constitutes the entire understanding between the City and the Contractor with respect to the subject matter of the Agreement and it supersedes, unless otherwise incorporated by reference herein, all prior representations, negotiations, agreements or understandings whether written or oral. Neither party has relied on any prior representations, of any kind or nature, in entering into this Agreement. No terms or conditions of either party's invoice, purchase order or other administrative document shall modify the terms and conditions of this Agreement, regardless of the other party's failure to object to such form. This Agreement shall be binding on and shall inure to the benefit of the parties to this Agreement and their permitted successors and permitted assigns and nothing in this Agreement, express or implied, is intended to or shall confer on any other person or entity any legal or equitable right, benefit, or remedy of any nature whatsoever under or by reason of this Agreement. This Agreement may only be altered, amended or modified by written amendment signed by the Contractor and the City. This Agreement may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed to be one and the same agreement.

FOR CONTRACTOR

By _____
Stephen C. Nichols, P.E.
Its: Senior Vice-president

FOR THE CITY OF ANN ARBOR

By _____
Christopher Taylor, Mayor

By _____
Jacqueline Beaudry, City Clerk

Approved as to substance

Tom Crawford, Interim City Administrator

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

Approved as to form and content

Stephen K. Postema, City Attorney

EXHIBIT A SCOPE OF SERVICES

The following services shall be provided by Fishbeck, Thompson, Carr, and Huber, Inc. ("Consultant") in conjunction with the delivery of the Nichols Arboretum Sewer and Siphon Rehabilitation Project.

The Consultant shall perform all needed project tasks in conformance with the requirements of the City of Ann Arbor and the Michigan Department of Environmental Quality.

Project Understanding

The City is interested in lining approximately 1,925 lineal feet of 36-inch sanitary sewer between Manhole 71-69254 and Chamber 71-69893, located adjacent to Nichols Drive in the Nichols Arboretum, as well as possibly lining approximately 1,200 lineal feet of double 24-inch cast iron siphon pipes between Chambers 71-69893 and 71-69895. One of the two 24-inch siphon pipes is completely full of debris and sediment and is clogged. The other siphon pipe appears operational.

There are no record drawings available for the two chambers on either side of the siphon pipes (71-69893 and 71-69895). The chambers appear to have been exposed to hydrogen sulfide and the concrete walls are severely corroded. The existing valve structures on the discharge pipes of Chamber 71-69893 have been partially removed and are no longer in use. The 18-inch overflow pipe from Chamber 71-69893 to the river appears to have been abandoned, but the condition of the abandonment is unknown.

At the deepest point of the siphon pipes, between the two chambers, are manholes (71-69892 and 71-70062) designed to be used for accessing and cleaning each siphon pipe. A tee fitting with a vertical blind flange is used for cleaning the siphon pipe. It is our understanding that the tee fittings have not been used in decades and therefore, it is likely the blind flanges are corroded and cannot be opened. Also, the 12-inch overflow pipe from Manhole 71-70062 to the river appears to have been abandoned, but the condition of this abandonment is unknown.

The sanitary sewer is located on a steep ridge surrounded by trees with limited access. It is also partially located on City property and partially located on University of Michigan (U of M) property.

Due to the complicated site conditions and limited knowledge currently available on the condition of the chambers and siphon pipes, the City has determined that the project should be divided into two phases.

Phase I of this project includes preparing construction bid documents for the bypass pumping of sanitary sewer flows, and cleaning, televising, and lining of the existing 36-inch sanitary sewer. Also included in the bid documents would be the bypass pumping of sanitary sewer flows; heavy cleaning of the two chambers; heavy cleaning and removal of the debris in the one plugged siphon pipe and heavy cleaning of the operational siphon pipe; and, televising of both siphon pipes, the two chambers, and the siphon manholes to determine their condition. As part of Phase I, the Contractor would work with the Consultant to allow access into the chambers to perform detailed measurement inside the chambers and evaluation of their condition as well as the condition of the overflow to the river.

Phase II of this project includes bypass pumping of flows; the rehabilitation of the two siphon pipes and associated manholes; the rehabilitation/upgrade of the two chambers; and the proper abandonment of the two overflow pipes to the river based on the findings of Phase I.

Phase I - Scope of Services

The following is the scope of services to be performed by the Consultant for Phase I of this project:

1. Define limits of intended work.
2. Research and obtain all existing private utility information.
3. Create base drawing(s) that will include:
 - a. Aerial photography supplied by the City with 2-foot contours.
 - b. Topographical survey for a radius of 50 feet around each manhole, including manhole rim and invert elevations, plus a 100-foot path from the road to each manhole.
 - c. Topographical survey of the two chambers and a 100-foot radius around them, including the steps leading up to the upper chamber.
 - d. Topographical survey to include natural features and tree size, species identification, diameter at breast height, and condition for trees equal to or greater than 6 inches in diameter.
 - e. Location of existing public and private underground utilities.
4. Identify if wetlands are present within or near the worksite, then delineate the wetlands and depict them on plan sheets.
5. Creation of Site Maintenance of Traffic Plan.
6. Creation of Natural Features Protection Plan – including an estimate of the number and location of trees to be removed.
7. Creation of Soil Erosion and Sedimentation Control Plans.
8. Work with the City to implement a test diversion of flow. The City is to provide sanitary flow volumes for the 36-inch pipe prior to and during diversion. The Consultant shall review the flow data provided by the City and compare to the calculated manning's flow and inform the City if they believe any significant discrepancies exist.
9. Define intended duration of bypass pumping.
10. Meet with bypass pumping contractor(s) and prepare an estimated cost of bypass pumping for use in evaluating project alternatives.
11. Determine an acceptable proposed routing of bypass pumping lines and the criteria for evaluating alternative routes.
12. Perform a Level 1 Manhole Assessment Certification Program (MACP) manhole inspection of the existing manholes and tabulate rehabilitation requirements.
13. Prepare requirements for cleaning and inspection of the two chambers while bypass pumping is in place.
14. Identify proposed timeline for sanitary sewer lining.
15. Determine if river water can be used in the sewer lining operation. If not, work with the City to develop a preliminary water alternative for the Contractor to use.
16. Prepare requirements for the proper abandonment of the existing 18-inch overflow at the upstream chamber and the 12-inch pressure/blow-off line in the siphon manhole.
17. Meet with project stakeholders to determine project issues and acceptable resolutions. Prepare written meeting minutes to document meeting content and agreed upon outcomes (this scope of services assumes three meetings).
18. Coordinate with the U of M and other stakeholders and agencies including review of project site and site access coordination.

19. Prepare a Joint Permit Application (JPA) for work within the floodplain/wetlands on behalf of the City.
20. Prepare complete, detailed, and thorough specifications for sewer lining and all related project work meeting the complete approval of the City.
21. Prepare complete Contract Documents using City of Ann Arbor standard forms and procedures.
22. Prepare written cost estimate in MERL Format.
23. Research lining contractors capable of performing the work and provide a list of at least three (3) to the City for an invitation to bid.
24. Attend project pre-bid meeting/site walkthroughs with invited bidders.
25. Provide technical assistance to the City (as needed) during the project bidding process to answer questions from prospective bidders.
26. Provide technical assistance to the City (as needed) during the construction process.
27. Hands-on inspection of the inverted siphon chambers while sanitary flow is re-routed. Prepare detailed photolog of conditions, provide all detailed internal measurements, and sound interior walls (if possible).
28. Prepare written recommendations for rehabilitation of the existing siphons, siphon manholes, and chambers upon completion of cleaning of siphon pipes and inspection of diversion chambers. Submit written recommendations to the City in report form.
29. Meet with City representatives to review and discuss recommendations. Based upon meeting, finalize recommendations for rehabilitation/replacement of inverted siphons tubes and diversion chambers (assume two meetings).
30. Attend regular meetings with City staff during the project to resolve design issues (assume four meetings).

Not included in this scope of services will be the design of any permanent site access to the chambers or manholes.

Schedule

The Consultant shall perform the work in accordance with the schedule shown elsewhere in this professional services agreement. The City desires to have Phase I construction started by December 2016 as shown in the schedule.

**EXHIBIT B
COMPENSATION**

Contractor shall be paid for those Services performed pursuant to this Agreement inclusive of all reimbursable expenses (if applicable) in accordance with the terms and conditions herein. The Compensation Schedule below states the nature and amount of compensation the Contractor may charge the City:

EXHIBT "B" - COMPENSATION SCHEDULE

City of Ann Arbor

Nicholas Arboretum Sewer and Siphon Rehabilitation - Phase I

Hourly Fee Breakdown

Description of Work			Staff Classification & Average Billing Rate														Equipment	Total Hours	Total Costs				
			Project Manager	Asst Project Manager	Sr. Engineer	Engineer	GIS Specialist	Cad Technician	Structural Engineer	Traffic Engineer	Env. Scientist	Survey Specialist	Surveyor	Survey Technician	Civil Technician	Civil Technician				Production Support			
			MES	CEW	JS5	KRO	CDA	CHP	VDG	KP	EHT	MLN	CSV	MAM						NAC			
Scope Task																							
A	1,2,3	Develop Base Drawings (topo, natural features, utilities, etc.)	4		4	10	10	24					48	16	48	48			4	\$2,000.00	216	\$22,182.50	
B.1	4.a	Wetland Delineation - Phase I	1			2							15						2	\$250.00	20	\$2,295.95	
B.2	4.b	Wetland Delineation - Phase II	1			4							15						4	\$150.00	24	\$2,506.79	
C	5	Maintenance of Traffic Plan	1	4		4		16		16											41	\$4,157.79	
D	6	Natural Feature Protection Plan	4	4	10	12							40						8		78	\$8,446.94	
E	7	SESC Plan	2		4	8		12													26	\$2,502.78	
F	8,9,10, 11	Flow Estimation & Bypass Pumping Plan	6	4	12	24		6	2	2	2						8	8			74	\$7,978.22	
G	12	Manhole Inspection & Rehab Recommendations	2			12											16	16		\$250.00	46	\$4,219.10	
H	13	Chamber Cleaning & Inspection Plan & Specifications	4	2		12			4												22	\$2,857.32	
I	14, 15, 16	Sewer Lining Plan & Specifications	4			16															20	\$2,209.40	
J	17	Overflow Pipe Inspection Plan & Specifications	2			8			4												14	\$1,776.06	
K	18	Meet with Stakeholders (3 mtgs)	12	12		12														6	42	\$5,709.00	
L	19	Project Coordination with Stakeholders & other Agencies	20	32	20	24		10												10	116	\$15,289.94	
M	20	Prepare Joint Permit Application	6	4	8	20		10												6	54	\$5,759.56	
N	21, 22	Prepare Bid documents & Cost Estimate	8	6	32	40		10	8	6										40	150	\$15,400.72	
O	23	Research Lining Contractors	10			24															34	\$4,002.54	
P	24, 25	Bidding Assistance	16	4		20			4	4									4		52	\$6,705.40	
Q	26	Construction Assistance	8	8		20			4	4										4	48	\$6,042.12	
R	27	Chamber Inspection (During lining)	8			16			16				8	8	16	16					\$250.00	88	\$9,679.92
S	28	Phase II Report Recommendation	8	6	20	40			8											8	90	\$10,581.88	
T	29	Phase II Report Meetings (2 mtgs)	8	8		8			8												32	\$4,907.28	
U	30	Meetings with City (4 mtgs)	16	16		16														8	56	\$7,612.00	
Total Hours			151	110	110	352	10	88	58	32	120	16	56	56	40	40	104	\$2,900.00	1,343				
Total																					\$152,823.21		

EXHIBIT "B" - SCHEDULE

City of Ann Arbor
Nicholas Arboretum Sewer and Siphon Rehabilitation - Phase I
Schedule

Last Updated: 4/29/2016

<p>FTCH Active Completed</p>	<p>City Active Completed</p>
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	2016												2017					
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
A Notice to Proceed																		
B.1 Develop Base Drawings (topo, natural features, utilities, etc.)																		
B.2 Wetland Delineation - Phase I																		
C Wetland Delineation - Phase II																		
D Maintenance of Traffic Plan																		
E Natural Feature Protection Plan																		
F SESC Plan																		
G Flow Estimation & Bypass Pumping Plan																		
H Manhole Inspection & Rehab Recommendations																		
I Chamber Cleaning & Inspection Plan & Specifications																		
J Sewer Lining Plan & Specifications																		
K Overflow Pipe Inspection Plan & Specifications																		
L Meet with Stakeholders (3 mtgs)																		
M Project Coordination with Stakeholders & other Agencies																		
N Prepare Joint Permit Application																		
O Prepare Bid documents & Cost Estimate																		
P Research Lining Contractors																		
Q Bidding Assistance																		
R Construction Assistance																		
S Chamber Inspection (During lining)																		
T Phase II Report Recommendation																		
U Phase II Report Meetings (2 mtgs)																		
0 Meetings with City (4 mtgs)																		

Assumptions

Bidding Phase: November 2016
 Construction Phase: December 2016 through February 2017

Design | Construction

**EXHIBIT C
INSURANCE REQUIREMENTS**

Effective the date of this Agreement, and continuing without interruption during the term of this Agreement, Contractor shall have, at a minimum, the following insurance, including all endorsements necessary for Contractor to have or provide the required coverage.

A. The Contractor shall have insurance that meets the following minimum requirements:

1. Professional Liability Insurance or Errors and Omissions Insurance protecting the Contractor and its employees in an amount not less than \$1,000,000.
2. Worker's Compensation Insurance in accordance with all applicable state and federal statutes. Further, Employers Liability Coverage shall be obtained in the following minimum amounts:

Bodily Injury by Accident - \$500,000 each accident
Bodily Injury by Disease - \$500,000 each employee
Bodily Injury by Disease - \$500,000 each policy limit

3. Commercial General Liability Insurance equivalent to, as a minimum, Insurance Services Office form CG 00 01 07 98 or current equivalent. The City of Ann Arbor shall be an additional insured. There shall be no added exclusions or limiting endorsements which diminish the City's protections as an additional insured under the policy. Further, the following minimum limits of liability are required:

\$1,000,000 Each occurrence as respect Bodily Injury Liability or
Property Damage Liability, or both combined
\$2,000,000 Per Job General Aggregate
\$1,000,000 Personal and Advertising Injury

4. Motor Vehicle Liability Insurance, including Michigan No-Fault Coverages, equivalent to, as a minimum, Insurance Services Office form CA 00 01 07 97 or current equivalent. Coverage shall include all owned vehicles, all non-owned vehicles and all hired vehicles. Further, the limits of liability shall be \$1,000,000 for each occurrence as respects Bodily Injury Liability or Property Damage Liability, or both combined.
5. Umbrella/Excess Liability Insurance shall be provided to apply in excess of the Commercial General Liability, Employers Liability and the Motor Vehicle coverage enumerated above, for each occurrence and for aggregate in the amount of \$1,000,000.

B. Insurance required under A.3 above shall be considered primary as respects any other valid or collectible insurance that the City may possess, including any self-insured retentions the City may have; and any other insurance the City does possess shall be considered excess insurance only and shall not be required to

contribute with this insurance. Further, the Contractor agrees to waive any right of recovery by its insurer against the City.

- C. Insurance companies and policy forms are subject to approval of the City Attorney, which approval shall not be unreasonably withheld. Documentation must provide and demonstrate an unconditional 30 day written notice of cancellation in favor of the City of Ann Arbor. Further, the documentation must explicitly state the following: (a) the policy number; name of insurance company; name and address of the agent or authorized representative; name and address of insured; project name; policy expiration date; and specific coverage amounts; (b) any deductibles or self-insured retentions which shall be approved by the City, in its sole discretion; (c) that the policy conforms to the requirements specified. Contractor shall furnish the City with satisfactory certificates of insurance and endorsements prior to commencement of any work. Upon request, the Contractor shall provide within 30 days a copy of the policy(ies) to the City. If any of the above coverages expire by their terms during the term of this contract, the Contractor shall deliver proof of renewal and/or new policies and endorsements to the Administering Service Area/Unit at least ten days prior to the expiration date.