

STATUTORY DRAINAGE BOARD AGENDA
Washtenaw County
705 N. Zeeb Rd, Ann Arbor, Michigan
Monday, July 19, 2021, 4:30 p.m.
VIA ZOOM

(Due to COVID-19 Restrictions, this meeting is being held virtually)

I. CALL TO ORDER

II. VARIOUS CHAPTER TWENTY DRAINS

A. Public Participation

B. Approval of Minutes of the Regular meeting of June 21, 2021 -
Attachment A - Page 1 (ACTION REQUIRED)

C. Monthly Financial Summary – June 2021
Attachment B—Page 4 (NO ACTION REQUIRED)

III. CLAIMS

A. Claims \$2500.00 and Under – June 2021
Attachment C-1—Page 5 (RECEIVE AND FILE)

B. Claims \$2500.00 and Over – June 2021
Attachment C-2—Page 5 (RECEIVE AND FILE)

IV. ACTION AND DISCUSSION ITEMS

A. Resolution to enter into a service contract between Tetra Tech and Allen Creek and Branches Drainage District for monitoring wells to sample groundwater contamination. **Attachment D**—
Page 6 (ACTION REQUIRED)

B. Resolution to amend a service contract between various Chapter 20 drains and Griffin Pest Control. **Attachment E**—
Page 15 (ACTION REQUIRED)

D. Update: Various Chapter 20 Drains (NO ACTION REQUIRED)

1. Allen Creek and Branches Drain (Gelman)

2. Pest control in Ypsilanti Township

IV. ADJOURNMENT

Next Month's Meeting
June 21, 2021; 4:30 p.m.
Remote Via Zoom

**COUNTY OF WASHTENAW
STATUTORY DRAINAGE BOARD FOR
THE VARIOUS CHAPTER TWENTY DRAINS**

Minutes of a Meeting Held on June 21, 2021
Held via Zoom due to Covid-19 Restrictions

A regular meeting of the Statutory Drainage Board for the various Chapter 20 Drainage Districts was held via Zoom at 4:30 pm.

MEMBERS PRESENT: Harry Sheehan, Chief Deputy Water Resources Commissioner, Acting Chair, participating from City of Ann Arbor, MI
Sue Shink, County Commissioner, participating from Centerville Township, MI
Justin Hodge, County Commissioner, participating from Ypsilanti Township, MI

MEMBERS ABSENT:

OTHERS PRESENT: Mallory Walczesky, GIS & Special Assessment Supervisor, participating from the City of Ann Arbor, MI

CALL TO ORDER:

Chief Deputy Water Resources Commissioner Harry Sheehan called the meeting to order at 4:33 p.m.

PUBLIC PARTICIPATION:

No members of the public were present.

APPROVAL OF MINUTES:

Hodge, supported by Shink, moved to approve the minutes of the regular meeting of May 17, 2021.

Vote: Yeas –3; Nays – 0; Absent – 0
Hodge, yes; Shink, yes; Sheehan, yes.
Motion carried.

MONTHLY FINANCIAL SUMMARY:

The Board received the financial summaries for May 2021.

CLAIMS:

The Board received and filed the claims under \$2,500 from May 2021.
The Board received and filed the claims over \$2,500 from May 2021.

ACTION AND DISCUSSION ITEMS:

Shink, supported by Hodge, motioned to approve the authorize a lease agreement for vector storage with the City of Ann Arbor with funds from the Equipment Revolving Fund.

Vote: Yeas –3; Nays – 0; Absent – 0
Shink, yes; Hodge, yes; Sheehan, yes.
Motion carried.

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Hodge, supported by Shink, motioned to approve the resolution to enter into a service contract with Materials Testing Consultants for infiltration testing for stormwater management design at the Western Service Center with funds from the Equipment Revolving Fund

Vote: Yeas –3; Nays – 0; Absent – 0

Hodge, yes; Shink, yes; Pratt, yes.

Motion carried

Hodge, supported by Shink, motioned to approve the consent agenda regarding annual service contracts for various Chapter 20 drains maintenance and repair.

Discussion: Shink asked if contractors were selected based on any criteria such as the County's responsible contractor policy. Sheehan replied that any vendor contracts that involved state or federal funding are subject to Davis-Bacon rules.

Vote: Yeas –3; Nays – 0; Absent – 0

Hodge, yes; Shink, yes; Sheehan, yes.

Motion carried

- Resolution to Enter into a Service Contract for Various Chapter 20 Drain Drainage Districts with Kempf Construction & Landscaping LLC for Maintenance
- Resolution to Enter into a Service Contract for Various Chapter 20 Drain Drainage Districts with Roto Rooter Sewer & Drain Cleaning SVC for Maintenance
- Resolution to Enter into a Service Contract for Various Chapter 20 Drain Drainage Districts with Saladino Construction Co Inc for Maintenance
- Resolution to Enter into a Service Contract for Various Chapter 20 Drain Drainage Districts with J Sebastian Trucking & Excavating Inc for Maintenance
- Resolution to Enter into a Service Contract for Various Chapter 20 Drain Drainage Districts with Corby Energy Services Inc for Maintenance
- Resolution to Enter into a Service Contract for Various Chapter 20 Drain Drainage Districts with Bostwick Company for Maintenance
- Resolution to Enter into a Service Contract for Various Chapter 20 Drain Drainage Districts with PPM Landscape Contractors Inc for Maintenance
- Resolution to Enter into a Service Contract for Various Chapter 20 Drain Drainage Districts with Arbor Valley Tree Service for Maintenance

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- Resolution to Enter into a Service Contract for Various Chapter 20 Drain Drainage Districts with Michigan Power Rodding Inc for Maintenance
- Resolution to Enter into a Service Contract for Various Chapter 20 Drain Drainage Districts with Metro Environmental Services Inc. for Maintenance
- Resolution to Enter into a Service Contract for Various Chapter 20 Drain Drainage Districts with Plantwise LLC for Maintenance
- Resolution to Enter into a Service Contract for Various Chapter 20 Drain Drainage Districts with John's Urban Timber Inc. for Maintenance
- Resolution to Enter into a Service Contract for Various Chapter 20 Drain Drainage Districts with Appel Environmental Design for Maintenance
- Resolution to Enter into a Service Contract for Various Chapter 20 Drain Drainage Districts with Creating Sustainable Landscapes LLC for Maintenance

UPDATES ON VARIOUS CHAPTER 20 DRAINS

Sheehan updated the Board on the pest control program in Ypsilanti Township.

Sheehan updated the Board on current communications between the Water Resources Commissioner's office, EGLE and Gelman representatives. Shink requested that Pratt or Sheehan attend the next Coalition for Action on Remediation of Dioxane (CARD) meeting to give some specifics to that group, if possible.

ADJOURNMENT:

There, being no further business, on motion duly made, seconded, and unanimously adopted, the meeting was adjourned at 4:55 p.m.

Harry Sheehan, Acting Chair

Upon motion by _____ supported by _____, the minutes of the above meeting were approved at a meeting held on July 29, 2021.

Harry Sheehan, Acting Chair

JUNE 2021 FINANCIALS FOR CHAPTER 20 DRAINS
2021 FISCAL YEAR END

ATTACHMENT B

DRAIN	JUNE 2021 ONLY	FY 2021 FINAL	FIVE YEAR AVERAGE
Allen Creek and Branches	\$ 841.57	\$ 79,336.54	\$ 47,661.00
Beyer Relief	\$ 25,977.57	\$ 122,944.09	\$ 110,861.65
Carpenter Road	\$ 150.00	\$ 2,777.39	\$ 9,085.38
County Farm	\$ -	\$ 2,025.38	\$ 6,044.91
East Branch of Big Marsh 20	\$ -	\$ -	\$ 1,175.64
Ellsworth Road	\$ -	\$ 1,320.59	\$ 599.33
Garden Homes	\$ -	\$ 28,535.18	\$ 10,455.83
Gault Village	\$ -	\$ -	\$ 49.97
Hamilton Tile	\$ -	\$ 794.38	\$ 2,168.08
Jewell Road	\$ -	\$ -	\$ 23.00
N Branch of Stoney Crk Ext	\$ -	\$ 1,018.64	\$ 416.11
North Ford Lake CONSOL	\$ 10,085.17	\$ 72,160.07	\$ 51,153.28
North Whittaker Road #1	\$ -	\$ -	\$ 1,902.20
Malletts Creek	\$ 9,730.56	\$ 207,847.21	\$ 92,622.53
Rawsonville Road	\$ -	\$ -	\$ 785.48
Swift Run	\$ 6,284.33	\$ 34,168.70	\$ 18,722.37
Swift Run Extension	\$ -	\$ -	\$ 119.06
Traver Creek	\$ 613.41	\$ 8,522.10	\$ 5,060.71
Upper Paint Creek	\$ 5,865.39	\$ 21,300.64	\$ 34,124.73
Westlawn	\$ 141.56	\$ 141.56	\$ 1,156.55
Whittaker Road	\$ -	\$ 3,929.56	\$ 1,351.95
Whittaker-Textile	\$ -	\$ 2,857.22	\$ 5,387.97
Willow Run	\$ 779.07	\$ 5,098.54	\$ 4,164.41
Willow Run Ext 1 & Brnchs	\$ 1,502.04	\$ 5,357.75	\$ 4,384.64
Ypsilanti Township #01	\$ 146.89	\$ 1,342.12	\$ 5,230.38
Ypsilanti Township #02	\$ -	\$ 4,334.94	\$ 2,516.46
Ypsilanti Township #03	\$ 377.48	\$ 1,011.58	\$ 2,447.35
Ypsilanti Township #04	\$ -	\$ 3,016.07	\$ 10,836.19
Ypsilanti Township #05	\$ 235.93	\$ 235.93	\$ 649.32
Ypsilanti Township #06	\$ 193.14	\$ 1,764.24	\$ 2,132.11
Ypsilanti Township #07	\$ 3,547.92	\$ 15,020.07	\$ 14,313.31
Ypsilanti Township #07 Ext	\$ -	\$ 188.74	\$ 98.30
Ypsilanti Township #08	\$ -	\$ 4,044.53	\$ 5,017.55
Ypsilanti Township #09	\$ 613.41	\$ 1,653.58	\$ 1,504.42
Ypsilanti Township #09 Ext	\$ 128.52	\$ 128.52	\$ 373.87
Ypsilanti Township #10	\$ -	\$ 267.41	\$ 1,940.96
Ypsilanti Township #11	\$ -	\$ 9,741.03	\$ 2,017.41
Ypsilanti Township #12	\$ -	\$ -	\$ 1,267.10
Ypsilanti Township #13	\$ -	\$ 4,569.47	\$ 4,896.07
Ypsilanti Township #13 Ext	\$ -	\$ 1,614.05	\$ 3,089.49
Ypsilanti Township #14	\$ -	\$ 699.93	\$ 2,160.94
Ypsilanti Twp #01 Consolidated	\$ 283.11	\$ 1,149.47	\$ 7,884.98
Ypsilanti Twp #02 Consolidated	\$ -	\$ 3,271.05	\$ 4,036.25
Michigan Ave East Central	\$ -	\$ 1,943.51	\$ 1,943.51
Millers Creek Ann Arbor	\$ -	\$ -	\$ -
Benz Creek	\$ -	\$ -	\$ -
TOTALS	\$ 67,497.07	\$ 656,131.78	\$ 483,832.76

CLAIMS UNDER \$2,500							
FUND	DRAIN	CHAPTER	COST	INV_DATE	GL_DATE	VENDOR	DESCRIPTION
8801	Beyer Relief	M20	\$ 869.25	4/21/2021	6/18/2021	Griffin Pest Solutions	Rodent Control
8801	Beyer Relief	M20	\$ 872.73	5/19/2021	6/18/2021	Griffin Pest Solutions	Rodent Control
8801	Beyer Relief	M20	\$ 881.31	6/2/2021	6/18/2021	Griffin Pest Solutions	Rodent control
8801	Beyer Relief	M20	\$ 916.36	5/6/2021	6/18/2021	Griffin Pest Solutions	Rodent Control
8801	Beyer Relief	M20	\$ 1,052.12	4/8/2021	6/18/2021	Griffin Pest Solutions	Rodent Control
8802	Carpenter Road	M20	\$ 150.00	6/8/2021	6/18/2021	PlantWise	RG Maint 6/1/21
8814	North Ford Lake CONSOL	M20	\$ 66.87	4/21/2021	6/18/2021	Griffin Pest Solutions	Rodent Control
8814	North Ford Lake CONSOL	M20	\$ 68.30	6/3/2021	6/14/2021	ypsilanti community utilities	May 2021 - Water Use
8814	North Ford Lake CONSOL	M20	\$ 87.27	5/19/2021	6/18/2021	Griffin Pest Solutions	Rodent Control
8814	North Ford Lake CONSOL	M20	\$ 101.82	4/8/2021	6/18/2021	Griffin Pest Solutions	Rodent Control
8814	North Ford Lake CONSOL	M20	\$ 101.82	5/6/2021	6/18/2021	Griffin Pest Solutions	Rodent Control
8814	North Ford Lake CONSOL	M20	\$ 110.16	6/2/2021	6/18/2021	Griffin Pest Solutions	Rodent Control
8816	Malletts Creek	M20	\$ 300.00	6/8/2021	6/18/2021	PlantWise	RG Maint 6/1/2021
8816	Malletts Creek	M20	\$ 552.00	6/10/2021	6/29/2021	Kempf	Services
8816	Malletts Creek	M20	\$ 804.00	6/21/2021	6/30/2021	Kempf	services
8822	Swift Run	M20	\$ 103.50	6/25/2021	6/30/2021	Feral Flora	plants
8832	Ypsilanti Township #01	M20	\$ 67.88	4/8/2021	6/18/2021	Griffin Pest Solutions	Rodent Control
8832	Ypsilanti Township #01	M20	\$ 133.73	4/21/2021	6/18/2021	Griffin Pest Solutions	Rodent Control
8832	Ypsilanti Township #01	M20	\$ 135.76	5/6/2021	6/18/2021	Griffin Pest Solutions	Rodent Control
8832	Ypsilanti Township #01	M20	\$ 146.89	6/2/2021	6/18/2021	Griffin Pest Solutions	Rodent Control
8832	Ypsilanti Township #01	M20	\$ 174.55	5/19/2021	6/18/2021	Griffin Pest Solutions	Rodent Control
8838	Ypsilanti Township #07	M20	\$ 650.00	6/1/2021	6/14/2021	PlantWise	install gators/water trees - 5/24
8838	Ypsilanti Township #07	M20	\$ 800.00	6/9/2021	6/18/2021	Creating Sustainable Landscapes LLC	Weed Clear Out- 50%
8838	Ypsilanti Township #07	M20	\$ 1,900.00	6/17/2021	6/30/2021	Saladino Construction Co	Deposit for Grates
8844	Ypsilanti Township #11	M20	\$ 419.74	5/13/2021	6/3/2021	East Jordan Iron Works, Inc.	grates/covers
8860	Equipment Revolving Fund	REQ	\$ 2.99	6/16/2021	6/22/2021	Weingartz	supplies
8860	Equipment Revolving Fund	REQ	\$ 5.69	6/28/2021	6/30/2021	Lowes Home Centers, Inc.	supplies
8860	Equipment Revolving Fund	REQ	\$ 21.99	5/28/2021	6/14/2021	Tractor supply	supplies
8860	Equipment Revolving Fund	REQ	\$ 27.98	6/16/2021	6/22/2021	Tractor supply	supplies
8860	Equipment Revolving Fund	REQ	\$ 49.32	5/27/2021	6/14/2021	Lowes Home Centers, Inc.	supplies
8860	Equipment Revolving Fund	REQ	\$ 55.96	6/18/2021	6/29/2021	Tractor supply	supplies
8860	Equipment Revolving Fund	REQ	\$ 59.10	5/27/2021	6/14/2021	Tractor supply	supplies
8860	Equipment Revolving Fund	REQ	\$ 96.96	6/3/2021	6/14/2021	Weingartz	supplies
8860	Equipment Revolving Fund	REQ	\$ 115.46	6/18/2021	6/22/2021	Weingartz	supplies
8860	Equipment Revolving Fund	REQ	\$ 148.95	6/16/2021	6/22/2021	Weingartz	supplies
8860	Equipment Revolving Fund	REQ	\$ 154.00	6/18/2021	6/30/2021	Jack Doheny, Inc	supplies
8860	Equipment Revolving Fund	REQ	\$ 181.92	6/1/2021	6/4/2021	Boullion Sales, Inc	supplies
8860	Equipment Revolving Fund	REQ	\$ 815.95	6/18/2021	6/22/2021	Weingartz	supplies
8860	Equipment Revolving Fund	REQ	\$ 1,065.00	6/1/2021	6/14/2021	City of Ann Arbor Treasurer	2nd Qtr Storage (2021)
8860	Equipment Revolving Fund	REQ	\$ 1,900.00	6/18/2021	6/29/2021	Materials Testing Consultants, Inc	Services: May 1 - June 3, 2021
8860	Equipment Revolving Fund	REQ	\$ 2,109.68	5/24/2021	6/29/2021	Burnips Equipment Co	Tractor Repairs
		SUBTOTAL	\$ 18,277.01				
CLAIMS OVER \$2,500							
FUND	DRAIN	CHAPTER	COST	INV_DATE	GL_DATE	VENDOR	DESCRIPTION
8801	Beyer Relief	M20	\$ 9,880.00	6/11/2021	6/22/2021	Blue Ribbon Contracting, Inc	Repair at 979 Ecorse Rd
8801	Beyer Relief	M20	\$ 5,000.00	6/28/2021	6/29/2021	J. Sebastian Trucking and Exca	Services
8801	Beyer Relief	M20	\$ 4,500.00	6/29/2021	6/30/2021	J. Sebastian Trucking and Exca	remove trees/debris
		SUBTOTAL	\$ 19,380.00				
		GRAND TOTAL	\$ 37,657.01				

A RESOLUTION TO ENTER INTO A SERVICE CONTRACT BETWEEN ALLEN CREEK AND BRANCHES
DRAINAGE DISTRICTS AND TETRA TECH FOR GROUNDWATER SAMPLING

WASHTENAW COUNTY STATUTORY DRAINAGE BOARD
JULY 19, 2021

WHEREAS the Drainage Board (the "Board") for the Allen Creek and Branches Drainage District (the "District") has designated the area to be served by the drain (the "Project") and has issued its Final Orders of Determination; and

WHEREAS despite several decades of litigation and remediation efforts the plume continues to move east towards and into the City of Ann Arbor, and has been detected in the Allen Creek and Branches enclosed storm system in three separate sampling efforts by EGLE in 2017, 2018, and 2019; and,

WHEREAS the Water Resources Commissioner and this Board have a statutory obligation and authority to investigate certain levels and sources of pollution as described under a permit issued by the Michigan Department of Environment, Great Lakes and Energy (EGLE) commonly known as the "Municipal Separated Storm Sewer System Permit" (MS4) and PA 40 of 1956 (The Drain Code); and,

WHEREAS, upon review by the Water Resources Commissioner of videotapes inside of the piped, contaminated sections of Allen Creek reveals substantial flows and visible infiltration of groundwater; and,

WHEREAS said flows appear to be the result of co-mingling of both contaminated and uncontaminated groundwater (based on prior sampling results and video evidence; and,

WHEREAS said co-mingling must therefore cause dilution of past in-pipe sampling; and,

WHEREAS said dilution must therefore mean that there are areas of groundwater with higher concentrations of 1,4 dioxane outside of the pipe than inside the pipe; and

WHEREAS it is therefore necessary and in the best interest of the public to obtain more information about the levels of contaminant in the groundwater; and,

WHEREAS, the Board has received a proposal for the installation of two monitoring wells from Tetra Tech.

NOW THEREFORE BE IT RESOLVED that the Washtenaw County Statutory Drainage Board hereby authorizes its Chair to sign documents necessary to enter into a contract between the Allen Creek and Branches Drainage District and Tetra Tech; the amount of the contract not to exceed ten thousand (\$10,000) dollars.

_____ supported by _____, moved to approve entering into the contract between Allen Creek and Branches Drain and Tetra Tech.

Vote: Yeas - ____; Nays - ____; Absent - ____; Motion carried

CERTIFICATION

On this _____ day of July 2021, Mallory K. Walczesky, recording secretary to the Statutory Drainage Board and GIS and Special Assessment Supervisor to the Water Resources Commissioner, hereby certifies that the above resolution was approved by said Board and the minutes of said meeting are on file in the Water Resources Commissioner's Office.

Mallory K. Walczesky

On this _____ day of July 2021, before me, a Notary Public in and for said County, personally appeared Mallory K. Walczesky, recording secretary for the Statutory Drainage Board and GIS and Special Assessment Supervisor to the Water Resources Commissioner, to me known to be the same person described in and who executed the within instrument, who then severally acknowledged the same to be her free act and deed.

Scott Miller, Notary Public

Washtenaw County, Michigan

My Commission Expires August 4, 2021



June 3, 2021

Evan Pratt
Washtenaw County Water Resources Commissioner
705 N. Zeeb Rd.
Ann Arbor, MI 48103

Sent via electronic mail

Re: Temporary Monitoring Well Installation and Groundwater Sampling

Dear Mr. Pratt:

As requested, Tetra Tech has prepared this proposal to complete the installation and sampling of two temporary monitoring along the Allen Creek Drain north of W. Huron Street, between Arbana Drive and N. 7th Street in Ann Arbor, Michigan. The purpose of these temporary monitoring wells is to collect groundwater samples to determine the concentration of 1,4-dioxane in the groundwater that could be entering the Allen Creek Drain.

SCOPE OF WORK

Soil borings will be advanced and temporary monitoring wells will be installed at two locations along the Allen Creek Drain. Tetra Tech's proposal anticipates the first temporary monitoring well will be located in the Allen Creek Drain easement in the parking lot north of 1000 W. Huron Street (Atrio Apartments). This location is adjacent to a manhole where comparative samples can be collected. The second temporary monitoring well location is proposed in West Park, near another manhole for comparative sampling analysis. An alternative location, should West Park not be acceptable or accessible, is the topographically low area between 115 and 121 N. 7th Street, east of West Park (**Attachment A**). Field observations and existing utilities will determine the final locations and depths during the investigation. The two temporary monitoring wells will be sampled and analyzed for 1,4-dioxane and volatile organic compounds (VOCs).

Well permits from Washtenaw County Environmental Health Department will be obtained for the temporary monitoring wells and a City of Ann Arbor right-of-way permit application will be completed for West Park, should either be necessary. Costs are included for the permitting as a separate line item. As needed, Tetra Tech personnel will coordinate with adjacent property owners for access to the drain easement.

Prior to completing the subsurface investigation, Tetra Tech will work with the City of Ann Arbor and Michigan's one call utility staking request service (MISS DIG) to locate underground utilities in the proposed investigation areas. The drilling company will complete ground penetrating radar (GPR) at each soil boring location prior to drilling, to ensure there are no utilities or other underground obstructions. At each soil sample location, continuous soil samples will be collected using GeoProbe direct push methods. The soil borings will be advanced to a depth of up to 15 feet below the ground surface (ft bgs). It is anticipated that groundwater will be encountered within this depth and a temporary monitoring well will be installed at each boring.

Mr. Evan Pratt
June 3, 2021
Page 2 of 3

A lithological description of the materials observed at each sample location along with other pertinent observations will be summarized on a soil boring log. No soil samples will be collected or submitted for laboratory analysis from the soil borings. All equipment will be decontaminated between locations using a mild detergent and distilled water.

Temporary monitoring wells constructed of 1-inch polyvinyl chloride (PVC) with a five-foot screen will be installed at both locations. The screen will split the elevation of groundwater encountered. Once installed, a groundwater sample will be collected using low-flow techniques and a peristaltic pump, after field parameters are stabilized. Upon completion of sampling, the temporary monitoring well will be removed, and the soil borings will be backfilled with soil cuttings and hydrated bentonite chips as necessary. Soil boring locations will be restored in kind (cold patch in the parking lot and topsoil/grass seed in the park). Survey data will be collected in the field for latitude and longitude and if possible, ground surface elevation. No temporary monitoring wells will be left overnight. Groundwater purged from temporary monitoring wells will be put back in the borehole prior to backfilling.

Groundwater samples will be submitted for laboratory analysis of the following:

- 1,4-dioxane (method 522 analysis)
- VOCs (method 8260 analysis)

Groundwater samples for 1,4-dioxane will be submitted to Pace Laboratory for analysis and groundwater samples for VOCs will be submitted to Eurofins Test America Laboratories for analysis. Samples will be submitted for the standard turnaround time. For quality assurance, one trip blank will be submitted with the VOCs.

Groundwater results will be compared to EGLE's Table 1 Groundwater: *Residential and Nonresidential Part 201 Generic Cleanup Criteria and Screening Levels/Part 213 Risk-Based Screening Levels*, dated December 21, 2020 (Part 201 Criteria) of the Natural Resources Environmental Protection Act (NREPA) 1994 Public Act 451, as amended.

Tetra Tech will complete a letter report that includes a summary and interpretation of the drilling investigation results. This report will include tables, figures, soil boring logs and laboratory reports. Time is included to prepare for and attend one virtual meeting with the Washtenaw County Water Resources Commissioner (WCWRC) to discuss findings.

PROJECT SCHEDULE

The temporary monitoring well installation and groundwater sampling will be completed in one mobilization. Tetra Tech is prepared to begin work within two weeks of authorization and site access.

COMPENSATION

Our cost to complete the work as described is **\$8,961** not to exceed without prior written authorization. Our standard terms and conditions are attached and considered a part of this proposal. The cost breakdown for the proposal is included below.

Mr. Evan Pratt
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Task	Costs
Permitting	\$1,246 (\$255 in fees)
Field Investigation and Laboratory Analysis	\$4,803
Letter Report / Meeting	\$2,912
TOTAL	\$8,961

ASSUMPTIONS

Compensation is based on the following assumptions:

- One letter report will be completed and provided electronically to WCWRC.
- The temporary monitoring wells will be installed in Washtenaw County easements. Time is included in the proposal for Tetra Tech personnel to coordinate with adjacent property owners for notification and access to the drain easement.
- The temporary monitoring well installation and groundwater sampling will be completed in one mobilization (anticipated to be 1 day).
- Laboratory analytical costs are based on standard turnaround time.
- Quality assurance samples include one VOC trip blank.
- The fee is included for two Washtenaw County well permits.
- The fee for the City of Ann Arbor right-of-way permit that may be required in West Park (should the location be chosen) is not determined until an application is submitted. An estimate of \$100 is included, should it be needed.
- Time is included to prepare for and attend one conference call meeting with the WCWRC.

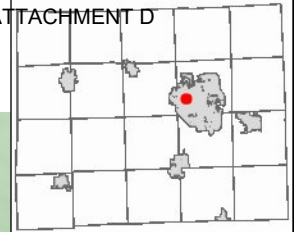
We look forward to assisting you with this scope of work. If you have any questions, please contact me at (734) 476-7998.

Sincerely,



Patti McCall, CPG, PWS
 Associate Hydrogeologist

Attachment A – Proposed Locations
 Standard Terms and Conditions



Legend

- Catch Basin**
 - County Catch Basin
 - Other Catch Basin
- Manhole**
 - County Manhole
 - Other Manhole
- Detention**
- County Drains**
- Mowing Routes**
- University and College**
- K12 Schools**
- Police Stations**
- Fire Stations**
- County Buildings**
- Local Unit Offices**
- Railroad**
- Close Roads OneWay**
 - To-From
 - From-To
- Road Centerlines_2K**
 - <all other values>
 - Collector
 - Freeway
 - Highway
 - Local

THIS MAP REPRESENTS PARCELS AT THE TIME OF PRINTING. THE OFFICIAL PARCEL TAX MAPS ARE MAINTAINED SOLELY BY THE WASHTENAW COUNTY EQUALIZATION DEPARTMENT AND CAN BE OBTAINED BY CONTACTING THAT OFFICE AT 734-222-6662.

The information contained in this cadastral map is used to locate, identify and inventory parcels of land in Washtenaw County for appraisal and taxing purposes only and is not to be construed as a "survey description". The information is provided with the understanding that the conclusions drawn from such information are solely the responsibility of the user. Any assumption of legal status of this data is hereby disclaimed.

NOTE: Parcels may not be to scale.
2/5/2021

Notes:
 1. Proposed Temporary Monitoring Well Locations are Approximate.

0 200.00 400.0 Feet



CONSULTING SERVICES AGREEMENT

THIS AGREEMENT is made this 03 day of June 2021, by and between:

Tetra Tech, Inc.
710 Avis Drive
Suite 100
Ann Arbor, MI 48108,

(hereinafter referred to as the "Consultant") and:

Client Name,
Washtenaw County Water Resources Commission (WCWRC)
705 N. Zeeb Rd.
Ann Arbor, MI 48103

(hereinafter referred to as the "Client")

WHEREAS the Client requires that certain Services (the "Services") be provided by Consultant for **Environmental Services** as set forth in Work Authorization(s) signed by Client (a sample of which is attached hereto as Exhibit A). To the extent a Work Authorization conflicts with the terms of this Agreement, this Agreement shall control.

WHEREAS the Consultant possesses the necessary skills and experience to provide the required Services;

NOW THEREFORE the Client and the Consultant hereby agree as follows:

ARTICLE 1 CONTRACT DOCUMENTS

The Contract (and the Contract Documents) shall be deemed to include:

1. Consulting Services Agreement
2. General Terms and Conditions of the Consulting Services Agreement
3. Consultant's Proposal
4. Work Authorization

The Contract Documents are complementary and what is called for by any one shall be as binding as if called for by all.

ARTICLE 2 SCOPE OF SERVICES

The Scope of Services under this Agreement shall be as set out in the Consultant's Proposal(s) and subsequent Work Order(s), or as otherwise mutually agreed to by the Consultant and the Client in writing. It is the intention of this Agreement that the Consultant furnish all labor, materials, equipment, supplies, services, facilities, and all other things necessary to provide the required Services, except those items

specifically stated as being furnished by the Client.

ARTICLE 3 SCHEDULE

The Consultant shall commence work promptly upon receipt of authorization to proceed, and shall proceed diligently and continuously to provide the Services in accordance with the schedule set out in the Consultant's proposal or otherwise mutually agreed to by the Consultant and the Client.

If any of the Services described in Article 2 hereof shall have been performed prior to execution of this Agreement by all parties hereto, and at the direction of the Client, then in such event, this Agreement shall take effect as of the date such Services actually commenced, and Consultant shall be reimbursed for all such costs incurred at the direction of the Client.

ARTICLE 4 COMPENSATION

In consideration of the performance of the Services described herein and the fulfillment of all covenants and conditions applicable thereto, the Client hereby agrees to make payment to the Consultant for Services actually provided at the Consultant's rates set forth in the Consultant's proposal and in accordance with the Terms and Conditions of the Consulting Services Agreement attached hereto.

IN WITNESS WHEREOF, the duly authorized officers or representatives of the following parties hereto have executed this Agreement as of the effective date first written above.

Tetra Tech, Inc.

Client: **WCWRC**

By: _____

By: _____

Name: _____

Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

Telephone: _____



Exhibit A

WORK AUTHORIZATION

TO: Tetra Tech, Inc.

FROM: WCWRC

WORK AUTHORIZATION NO.: TBD

PROJECT TITLE: Temporary Monitoring Well Installation

PROJECT LOCATION: City of Ann Arbor

Pursuant to the terms and conditions of the Consulting Services Agreement dated **June 3, 2021**, this Work Authorization hereby authorizes Tetra Tech, Inc. to perform the specific services and under the particular conditions set forth herein:

1. **SCOPE OF WORK:** Completion of two temporary monitoring wells, sampling, meeting and letter report of findings.
2. **COMPENSATION:** \$8,961 time and materials not to exceed
3. **BILLING SCHEDULE:** Monthly.
4. **TIME FOR COMMENCEMENT:** 6/14/21
5. **TIME FOR COMPLETION:** 8/14/21
6. **REPORTING REQUIREMENTS:** digital report of findings
7. **OTHER PROVISIONS:** NA

Upon execution of this Work Authorization, Client and Tetra Tech agree to bound by and comply with all the terms and conditions contained in the above referenced Consulting Services Agreement, except as modified by the specific terms and conditions, if any, contained herein.

APPROVED AND ACCEPTED BY:

Tetra Tech, Inc. (Consultant)

WCWRC (Client)

Signed: _____

Signed: _____

Name: _____

Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

A RESOLUTION TO AMEND A SERVICE CONTRACT BETWEEN VARIOUS CHAPTER 20 DRAIN DRAINAGE
DISTRICTS AND GRIFFIN PEST CONTROL FOR MAINTENANCE

WASHTENAW COUNTY STATUTORY DRAINAGE BOARD

JULY 19, 2021

WHEREAS, the Drainage Board (the "Board") for the various Chapter 20 drains drainage districts (the "District") has designated the area to be served by designated Chapter 20 drains (the "Project") and has issued its Final Orders of Determination; and

WHEREAS, the Board understands that maintenance work is sometimes necessary on Chapter 20 drains, and that a blanket contract allows for timely service; and,

WHEREAS, the Board understands that rodents in storm systems can produce fecal (E. coli) and salmonella contamination, as well as depositing debris into enclosed systems; and,

WHEREAS, the Board understands that rodent contamination in stormwater systems poses a potential health and safety hazards for property owners and maintenance staff; and,

WHEREAS, the Water Resources Commissioner continues to work with Ypsilanti Township, where all of the issues are and work is to be performed, and more pest control is necessary.

WHEREAS, the Board has received an amended proposal, and a rate sheet of the cost of said services for maintenance on various Chapter 20 drains; and,

NOW THEREFORE BE IT RESOLVED that the Washtenaw County Statutory Drainage Board hereby authorizes its Chair to sign documents necessary to amend a contract between the various Chapter 20 drains and Griffin Pest Control to add an additional twenty-five thousand dollars (\$25,000.00); the total amount of the contract not to exceed thirty thousand dollars (\$30,000.00).

_____ supported by _____, moved to approve amending the contract between various Chapter 20 drains with Griffin Pest Control.

Vote: Yeas - ____; Nays - ____; Absent - ____; Motion carried

CERTIFICATION

On this _____ day of July 2021, Mallory K. Walczesky, recording secretary to the Statutory Drainage Board and GIS and Special Assessment Supervisor to the Water Resources Commissioner, hereby certifies that the above resolution was approved by said Board and the minutes of said meeting are on file in the Water Resources Commissioner's Office.

Mallory K. Walczesky

On this _____ day of July 2021, before me, a Notary Public in and for said County, personally appeared Mallory K. Walczesky, recording secretary for the Statutory Drainage Board and GIS and Special Assessment Supervisor to the Water Resources Commissioner, to me known to be the same person described in and who executed the within instrument, who then severally acknowledged the same to be her free act and deed.

Scott Miller, Notary Public
Washtenaw County, Michigan
My Commission Expires August 4, 2021