

*Formal Session  
Agenda*

*11-19-19*

*Referrals*

**NEIGHBORHOOD  
AND COMMUNITY  
SERVICES  
STANDING  
COMMITTEE**

OFFICE OF CONTRACTING  
AND PROCUREMENT



November 13, 2019

HONORABLE CITY COUNCIL:

The Purchasing Division of the Finance Department recommends a Contract with the following firm(s) or person(s):

6001983      100% City Funding – AMEND 1 – To Provide an Extension of Time and Increase of Funds to Supply Sweeper Repair Services on Global Sweepers. – Contractor: The Safety Company, LLC dba MTech Company – Location: 7401 First Place, Cleveland, OH 44146 – Contract Period: Upon City Council Approval through March 27, 2021 – Contract Increase Amount: \$40,000.00 – Total Contract Amount: \$60,000.00. **GENERAL SERVICES**

**Previous Contract Period: March 27, 2019 to March 27, 2020**

Respectfully submitted,

Boysie Jackson, Chief Procurement Officer  
Office of Contracting and Procurement

**BY COUNCIL MEMBER**                     **SHEFFIELD**                    

**RESOLVED**, that Contract No. 6001983 referred to in the foregoing communication dated November 13, 2019, be hereby and is approved.



**OFFICE OF CONTRACTING  
AND PROCUREMENT**

November 13, 2019

HONORABLE CITY COUNCIL:

The Purchasing Division of the Finance Department recommends a Contract with the following firm(s) or person(s):

6002509      100% 2018 UTGO Bond Funding – To Provide Seawall Restoration, Electrical Improvements and Additional Renovations to the Fireboat Station for the General Services Department. – Contractor: DeAngelis Diamond Construction, LLC – Location: 3955 Orchard Hill Place Suite 235, Novi, MI 48375 – Contract Period: Upon City Council Approval through June 30, 2021 – Total Contract Amount: \$540,000.00. **GENERAL SERVICES**

Respectfully submitted,

Boysie Jackson, Chief Procurement Officer  
Office of Contracting and Procurement

**BY COUNCIL MEMBER**                     **SHEFFIELD**                    

**RESOLVED**, that Contract No. 6002509 referred to in the foregoing communication dated November 13, 2019, be hereby and is approved.

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**OFFICE OF CONTRACTING  
AND PROCUREMENT**

November 13, 2019

HONORABLE CITY COUNCIL:

The Purchasing Division of the Finance Department recommends a Contract with the following firm(s) or person(s):

6002467      100% City Funding – To Provide Waste Oil Removal Services for the General Services Department. – Contractor: Birks Works Environmental, LLC – Location: 8643 W Jefferson, Detroit, MI 48209 – Contract Period: Upon City Council Approval through November 4, 2022 – Total Contract Amount: \$90,000.00.  
**CITYWIDE**

Respectfully submitted,

Boysie Jackson, Chief Procurement Officer  
Office of Contracting and Procurement

**BY COUNCIL MEMBER**                     **SHEFFIELD**                    

**RESOLVED**, that Contract No. 6002467 referred to in the foregoing communication dated November 13, 2019, be hereby and is approved.



CITY OF DETROIT  
OFFICE OF THE CHIEF FINANCIAL OFFICER  
OFFICE OF DEVELOPMENT AND GRANTS

COLEMAN A. YOUNG MUNICIPAL CENTER  
2 WOODWARD AVENUE, SUITE 1026  
DETROIT, MICHIGAN 48226  
PHONE: 313 • 628-2158  
FAX: 313 • 224 • 0542  
WWW.DETROITMI.GOV

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October 10, 2019

The Honorable Detroit City Council  
**ATTN: City Clerk Office**  
200 Coleman A. Young Municipal Center  
Detroit MI 48226

**RE: Request to accept a donation from the Greening of Detroit for Park Improvements at Eliza Howell Park**

The Greening of Detroit has awarded a donation of park improvements to the City of Detroit General Services Department for Eliza Howell Park, valued at \$350,000.00. There is no match requirement for this donation.

The objective of the donation to the department is to capture, store, and infiltrate storm-water pollution and reduce highway runoff at Eliza Howell Park. This donation will enable the department to install approximately 144 shrubs, 50 trees and other native seeds in the park.

I respectfully ask your approval to accept this donation in accordance with the attached resolution.

Sincerely,

Ryan Friedrichs  
Director, Office of Development and Grants

CC:  
Katerli Bounds, Deputy Director, Grants  
Sajjiah Parker, Assistant Director, Grants

This request has been approved by the Law Department  
This request has been approved by the Office of Budget

01012019 10:07:00 AM

**RESOLUTION**

**Council Member** \_\_\_\_\_

**WHEREAS**, the General Services Department has been awarded a donation from the Greening of Detroit, valued at \$350,000.00, to improve storm-water capture at Eliza Howell Park; and

**WHEREAS**, this request has been approved by the Law Department; and

**WHEREAS**, this request has been approved by the Office of Budget; now

**THEREFORE, BE IT RESOLVED**, that the General Services Department is hereby authorized to accept a donation of park improvements for Eliza Howell Park.



GENERAL SERVICES DEPARTMENT  
Parks & Recreation  
Division

# Improvement Authorization Form

## APPLICANT SECTION

Requesting Organization Name: The Greening of Detroit  
Contact Name: Fai Foen - Director of Green Infrastructure  
Phone: (313) 285-2262  
Email: fai@greeningofdetroit.com  
Address: 13000 W McNichols Rd. Detroit, MI 48235

Today's Date: 7/2/19  
DPRD Property Name: Eliza Howell Park  
Property Address: 23751 Fenkell Ave. Detroit, MI  
Location within the Property: SW portion of Eliza Howell Park, N of Schoolcraft Rd.

### Improvement Type:

- Park
- Facility (ie Rec Center)

- Physical Improvement
  - Not-Art → fill out Donation Letter
  - Art → fill out Art Donation Letter
- Maintenance → fill out SLA Letter *-attached*

### Improvement Project Description:

(Please specify if any listed funding are for an event / program, or not for a permanent, physical improvement.)

The Greening of Detroit received an EPA grant to implement an Urban Infiltration Basin to reduce NPS pollution. The proposed project goal is to reduce highway pollution runoff by over 50,000 gallons by diverting stormwater into the basin as opposed to a nearby water body. It is envisioned that this improvement within Eliza Howell Park will be able to capture, store, and infiltrate runoff and remove sediment from entering the Rouge River. To aid in managing stormwater runoff, the grant requires the planting of trees, shrubs, and native seed mix within and adjacent to the installation. Our landscape architect will provide a list of species that are urban and salt tolerant to thrive in the proposed location.

Estimated Value of Improvement: \$350,000

By submitting this request I/We/Our Organization agree(s) to abide by all rules and policies of the City of Detroit and the General Services Department, Parks and Recreation Division. I/We also agree that all information submitted in this Park Improvement Authorization Form is true and accurate to the best of my/our knowledge and I/We hereby request that the Parks and Recreation Division consider my/our Project for approval. I/We agree at my/our own expense to defend, indemnify, save and hold harmless the City of Detroit, its officers, employees and agents against and from any and all liabilities, obligations, damages, penalties, claims, costs, charges, and expenses (including without limitation, fees and expenses of attorneys, expert witnesses and other consultants) which may be imposed upon, incurred by or asserted against myself/us and/or the City of Detroit by reason of or resulting from my/our use of the DPRD Property named above and construction of this Project as described herein.

Signature: *Fai Foen*

Date: 7/2/19

Print Name: Fai Foen

Organization on behalf of: The Greening of Detroit

**GSD STAFF SECTION**

**Asset Information:**

DPRD Property Number: 56

Asset Life Cycle: 100 Yrs

Asset Value: \$350,000.00

Decommission Cost: \$10,000

**Maintenance Information:**

GSD Maintenance Requirements: Greening

GSD Operations Requirements: \_\_\_\_\_

will spend 200 hours, scheduled

Trees and shrubs maintenance

maintenance. see maintenance complaint

+ trimming if needed upon

plan, attached

maturity.

GSD Project Coordinator: Juliana

Date: 9/17/2019

*Handwritten notes:*  
2-3 yrs before TRANSITION  
GRAPHIC SCHEDULE WORK

**Authorization:**

Project Denied

Project Approved as Submitted

Project Approved with Changes: \_\_\_\_\_

we will need to apply for drainage credits

See JUSTIN FENWICK

\*Approved by GSD Director: Janet Anderson

Date: 10-1-2019

\*Requesting Group shall not have approval to make the requested park improvement without the approval of the General Services Department Director





GENERAL SERVICES DEPARTMENT  
**Parks & Recreation  
Division**

## PARTNERSHIP ANALYSIS AND RECOMMENDATION

AIM Code:	DPRD Prop #:	Request tracking #:
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### Form Purpose

This form is for internal City use only. It is used to review and analyze proposals pending a recommendation to proceed. Required participants are listed, but can be waived by Director.

### Requestor Information

Applicant Name: <b>Greening of Detroit</b>	Contact Name: <b>Fai Foen</b>
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### Affected City Asset or Location

Asset or Location Name: <b>Eliza Howell Park</b>	
Address <b>23751 Fenkell Ave.</b>	Specific location at the property: <b>southwest area, see site plan</b>

### Project Summary

The Greening of Detroit received an EPA grant to implement an Urban Infiltration Basin to reduce NPS pollution. The proposed project goal is to reduce highway pollution runoff by over 50,000 gallons by diverting stormwater into the basin as opposed to a nearby water body. To aid in managing stormwater runoff, the grant requires the planting of trees, shrubs and native seed mix. Our landscape architect will provide a list of species.

### Landscape Architect Input *(required for all park or public space asset improvement requests)*

Asset Value: <b>\$350,000</b>	Asset Life Cycle: <b>100 years</b>	Any previous experience with this applicant? Describe: <b>Yes, we've done multiple projects with Fai and Greening.</b>
Has the appropriate gift letter been provided? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
What is the impact on PDU and/or Grounds?: <b>See attached email correspondence.</b>		
Other comments: <b>Jeff Klem and Farhat Chaudhry approved.</b>		
LA name and signature: <b>Juliana Fulton - <i>Juliana Fulton</i></b>	Date: <b>9/17/2019</b>	

### Facilities Input *(required for all improvement requests)*

What would the impact be on GSD maintenance? (staff and expense)	
Custodial:	HVAC:
Plumbing:	Other:
Electrical:	
Facilities name and signature: <b>N/A</b>	Date:

*LaJuan consulted → N/A*



**Recreation Input** (required for all requests that impact Recreation assets or programs)

N/A

Any previous experience with this applicant? Describe:

What would the impact of this change be on your operations?:

Other comments:

Recreation name and signature: N/A

Date:

**PMAS Analyst Input** (required for all asset improvements above \$1000)

Assessment of party's operation and capabilities (including review of their financials if appropriate):

Is this proposal consistent with the condition of the property and the City's plans for it?:

Decommission cost: \$10,000

Other comments: Assuming no maintenance work is required of GSD, this asset is appropriate.

Analyst name and signature: Sam Everett

Date: 9/26/19

**Partnership Manager Recommendation** (required for all requests)

Any previous experience with this applicant? Describe: yes, mbc for them to operate the Meyer Nursery at Rouge,

Why is it in the City's interest to proceed?:

Beautification and cost saving

If this project is in scope for ODG, is their recommendation to proceed on file?: yes, they signed off

Does Law need to reconcile or review any changes to document templates?:

NO

**Recommendation and comments**

Proceed as submitted     DO NOT proceed     Proceed with the following changes:

Partnership Manager name and signature:

Date: 9-25-19



13000 W. MCNICHOLS, DETROIT, MI 48235-4115 | t 313.237.8733 | f 313.237.8737 | [greeningofdetroit.com](http://greeningofdetroit.com)

July 2, 2019

Jan Anderson, Director  
Detroit Parks and Recreation Division  
General Services Department  
18100 Meyer Rd  
Detroit, MI

Dear Ms. Anderson,

On behalf of The Greening of Detroit, I am writing to offer our full assistance in purchasing and installing an EPA grant funded infiltration basin along the southern portion of Eliza Howell Park north of Schoolcraft Road. This green infrastructure practice will be capable of managing stormwater pollution by reducing highway runoff by over 50,000 gallons. It is envisioned that improvements within Eliza Howell Park will be able to capture, store, and infiltrate runoff to remove sediment that would currently discharge to the Rouge River. The grant calls for planting 50 trees, approximately 144 shrubs, and native seed mix throughout the installation. The costs, rounding \$350,000, are being borne by the group mentioned above. These improvements will take place from July 2019 – May 2020. Our organization has communicated with community representative Sidewalk Detroit to ensure these improvements are desired. The Greening of Detroit has budgeted for 200 hours of scheduled maintenance to maintain this site throughout the summer including mowing, mulching, and vegetation replacement as needed.

Thank you for your time and consideration.

Sincerely,

Fai Foen  
Green Infrastructure Director  
The Greening of Detroit



30  
YEARS

**Eliza Howell Park - Infiltration Basin  
The Greening of Detroit  
Proposed Maintenance Plan  
Maintenance Season - 2020**

**August 29, 2019**

In support of the Eliza Howell Park Infiltration Basin, funded by US EPA, The Greening of Detroit (The Greening) will provide the following maintenance during the 2020 growing season (May-October), post installation.

**Weekly**

- Visually inspect infiltration basing. Look for wash outs, erosion/instability, pipe or sediment. Remove debris and litter as needed.
- Hand irrigation will begin in June and end in September.

**Monthly**

- Remove invasive plants by approved methods. Hand pull weeds as needed around installed shrubs and trees. Spot spraying only as needed.
- Pruning: Visually inspect installed shrubs and trees. Look for broken/dead branches. Prune broken branches as needed.
- Mulching: Look for washouts and general disturbance within the planting area. Repair washouts as needed.

**Fall 2020**

- Share best practices with General Services Department for transfer.

The Greening of Detroit will use crews, as well as recruit volunteers with partners such as Sidewalk Detroit, work with our Green Corps youth program.

The Greening is also available to provide maintenance for subsequent growing seasons, if funding becomes available or if contracted to do so.



**Eliza Howell Park - Infiltration Basin  
The Greening of Detroit  
Project Budget**

**September 13, 2019**

**To Whom It May Concern**

**Eliza Howell Park,**

**As of June 18, 2019, Eliza Howell Park had been the new project site location for US EPA Grant # EPA-R5-GL2016-UWM, awarded to The Greening of Detroit in partnership with The City of Detroit, MDOT and OHM.**

**Environmental conditions at the original project site, Forman Park, excluded it from deeper excavation required for an underground outlet pipe, as needed for green stormwater installations in the city of Detroit. The general consensus was to eliminate Forman Park, and evaluate alternative sites. Of the sites proposed by the City, Eliza Howell Park was chosen based on its closest match to the original intent of the grant, as well as the potential for a higher level of community engagement for the project.**

**The original award for the grant was \$474,916. With considerable site work leading up to the change of project site leaves the remaining total value of the project at \$374,725.**

**Sincerely,**

**Fai Foen  
Director of Green Infrastructure  
[fai@greeningofdetroit.com](mailto:fai@greeningofdetroit.com)**

**The Greening of Detroit  
13000 W. McNichols Road  
Detroit, MI 48235**





# memorandum

**Date:** August 30, 2019

**To:** Jeff Klein (City of Detroit – General Services Department)

**cc:** Tim Karl (City of Detroit – General Services Department)  
Sam Eanes, Fai Foen (The Greening of Detroit)

**From:** Patrick Droze, P.E., Zack Hampton (OHM)

**Re:** Urban Watershed Management Implementation (EPA-R5-GL2016-UWM)  
Eliza Howell Park Preliminary Credit Narrative

This memorandum is written as a follow up to the most recent memo OHM has prepared for The Greening of Detroit and The City of Detroit – General Services Department regarding the implementation of Urban Watershed Management in Eliza Howell Park. The purpose of this memorandum is to summarize the estimated credits that the City could expect with the implementation of this green stormwater infrastructure (GSI), both for Eliza Howell Park and the I-96 Service Drive.

## DRAINAGE CHARGE CREDIT NARRATIVE

As discussed in the previous memo shared with both the Greening and the City, runoff from both Eliza Howell Park and the I-96 Service Drive could be treated by GSI constructed in Eliza Howell Park. Details of that system can be found in the Preliminary Site Plan and Memo attached. In subsequent dialogue with GSD, it was requested that further information be provided on specific Drainage Charge credit this GSI would provide for both Eliza Howell Park and the I-96 Service Drive, represented by GSD and the DPW, respectively. A table breaking down Drainage Charge Credits can be found below:

Eliza Howell Park Drainage Charge Matrix							
	Total Tributary Area	Impervious Tributary Area	Impervious Area Removed	Runoff Infiltrated	Current Charge	Proposed Drainage Credit	Proposed Charge
	Ac.	Ac.	Ac.	Gal.	\$/Year	%	\$/Year
Total Tributary Area	15.15	2.72	0.51	50,875	\$13,727	34.4%	\$10,500
GSD – Eliza Howell	13.64	1.89	0.51	31,715	\$13,727	21.3%	\$6,550
DPW – I-96 Service Dr	1.52	0.83	0	19,150	\$0	13.1%	\$0

Calculations detailing the above statistics can be found in the attached Eliza Howell Drainage Charge Calculation Work Sheets; Additionally, it should be noted that though the total credit for the GSI is 34.4%, it is divided based upon the ratio of each entity's impervious area to the total impervious area. The credit is split between GSD and DPW at a percentage of 62% and 38%, respectively. It should also be noted that it is assumed that the DPW does not pay a drainage charge.

## SUMMARY OF ATTACHMENTS

- Eliza Howell Park – Updated Preliminary Site Plan
- Eliza Howell Park – Drainage Charge Credit Calculations
- Eliza Howell Park – Stormwater Narrative Memo

# Eliza Howell GSI

## Bioretention/Detention

Date: **08/30/19**

Last updated by: **ZJH**

Site Address:	Eliza Howell Park		
Site Owner:	City of Detroit		
Site Description:	Park		
Parcel Number(s):	0		
Total Site Area (acres):	15.11	Total Site Area (sft):	658,542
Site Impervious Area (acres):	2.72	Ex Impervious Area (sft):	118,547
Number of Practices:	1	New Impervious Area (sft)	96,438

### Areas

	C Value	Notes
Total Proposed Drainage Area	658541 ft <sup>2</sup>	drainage area 1
Pavement/Sidewalk Area	118547 ft <sup>2</sup>	0.95
Rooftop Area	ft <sup>2</sup>	0.95
Misc	ft <sup>2</sup>	
Permenant Pavement Removal	22109 ft <sup>2</sup>	
Pervious Area	539994 ft <sup>2</sup>	
Total Impervious Area	96438 ft <sup>2</sup>	0.95
New Pervious Area	562103 ft <sup>2</sup>	0.3 <i>C value based on soil type</i>

### Retention Pond

		Notes
Practice Area (PA)	11000 ft <sup>2</sup>	
Infiltration Rate	0.78 in/hr	
Infiltration Rate (F.S. 2)	0.39 in/hr	
Drain Time	72 hrs	
Equivalent Water Depth	28.1 in	
Retention Volume	6875.0 ft <sup>3</sup>	50875 Gal
Equivalent Rainfall Depth	0.9 in	

### Retention EWD

Equivalent Water Depth Maximum	28.1 in
Surface Storage	6 in
Soil Depth	6 in
Aggregate Depth	in
Calculated EWD	7.5 in



### Detention Pond

#### List of Variables

		Notes
A: Tributary area to the detention practice area	15.12 acres	
C: Combined Rational Coefficient (omit if >75% impervious)	0.40	
Q <sub>r</sub> : Peak allowable discharge rate for the 100 year storm event	0.15 cfs/acre	

# Eliza Howell GSI

## Bioretention/Detention

Date: 08/30/19

Last updated by: ZJH

Site Address:	Eliza Howell Park		
Site Owner:	City of Detroit		
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Number of Practices:	1	New Impervious Area (sft)	96,438

### Areas

	C Value	Notes
Total Proposed Drainage Area	658541 ft <sup>2</sup>	drainage area 1
Pavement/Sidewalk Area	118547 ft <sup>2</sup>	0.95

### D: Critical Storm Duration

129.67 min

### t: Recurrence interval

2 years

100 years

### I: Rainfall intensity (2 years)

0.69 in/hr

### Rainfall intensity (100 years)

1.55 in/hr

### V<sub>2</sub>: Required detention volume for a 2 year event

14555 ft<sup>3</sup>

### V<sub>100</sub>: Required detention volume for a 100 year event

55032 ft<sup>3</sup>

### V<sub>provided</sub>

ft<sup>3</sup>

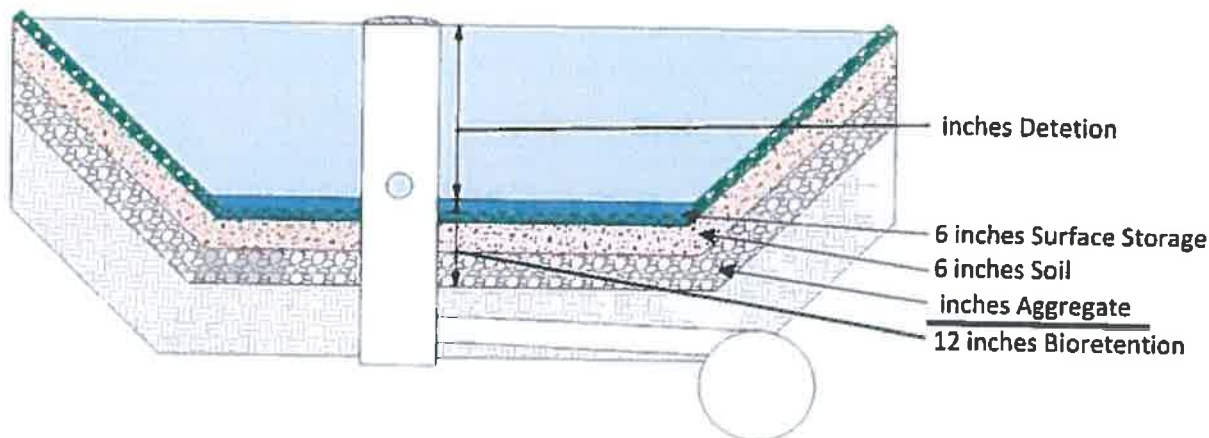
inches detention

Peak Flow Credit 0.0%

Volume Credit 85.9%

Practice Credit 34.4%

Site Credit 34.4%







memorandum

**Date:** August 6, 2019

**To:** Jeff Klein (City of Detroit – General Services Department)

**cc:** Tim Karl (City of Detroit – General Services Department)  
Sam Eanes, Fai Foen (The Greening of Detroit)

**From:** Patrick Droze, P.E., Zack Hampton (OHM)

**Re:** Urban Watershed Management Implementation (EPA-R5-GL2016-UWM)  
Urban Infiltration Basin to Reduce NPS Pollution in the Great Lakes Basin  
Eliza Howell Park Preliminary Stormwater Narrative

This memorandum is written as a follow up to the most recent dialogue OHM has had with The Greening of Detroit and The City of Detroit – General Services Department (hereafter referred to as the Greening and the City, respectively) with regard to the implementation of Urban Watershed Management in Eliza Howell Park. The purpose of this memorandum is to summarize the preliminary engineering design, preliminary cost estimate and discuss future environmental and permitting challenges related to the implementation of Urban Watershed Management in Eliza Howell Park.

**STORMWATER MANAGEMENT NARRATIVE**

In previous discussions with the Greening and the City, OHM introduced a preliminary basin design that accepted runoff from the I-96 Service Drive and was situated in the southwest corner of Eliza Howell Park. This basin would then ultimately outlet to the Rouge River.

Since these previous discussions, further investigation has been performed, including a wetland delineation and deeper research into existing as-built information. As a result, the recommended location of the Urban Infiltration basin has been moved northwest, at the location of the existing asphalt parking lot. In addition, the total impervious tributary area from the I-96 Service Drive has also been updated. The mainline sewer within the service drive is combined, and therefore cannot be intercepted and conveyed to the basin. However, by intercepting the DPW sewer laterals, a portion of service drive runoff can still be captured. Additionally, with the revised placement of the basin, a large portion of the interior road of Eliza Howell Park also becomes tributary to the basin. Updated basin layout can be found on the attached preliminary site plan; updated basin statistics can be found in the following table:

Eliza Howell Park Preliminary Drainage Calculations		
Total Tributary Area	15.15	Ac.
Impervious Area Collected	2.43	Ac.
Infiltration Rate (from USDA – w/ Factor of Safety of 2)*	0.39	In/hr
Approximate Basin Area	11,000	Sft
Approximate Basin Depth	0.5	Feet
Retention Volume	50,875	Gal.
Rainfall Infiltrated	0.8	In.

\*Note that this value is contingent upon geotechnical and infiltration testing

The resulting preliminary cost for this basin amounts to approximately \$175,000. A full item-by-item breakdown can be found in the attached cost estimate.

**OHM Advisors**

1145 GRISWOLD STREET, SUITE 200  
DETROIT, MICHIGAN 48226

T 313 481 1250

OHM-Advisors.com



### WETLANDS IMPACTS

As mentioned in the stormwater narrative, OHM has identified the presence of a wetland in the southwest corner of the park, extending off the Rouge River. By moving the basin northwest, disturbance to this wetland can be minimized. This allows the project to avoid required wetland mitigation, which is triggered by a wetland disturbance of 0.10 acres or higher.

### REQUIRED PERMITS

Though the overall permanent impacts to wetlands can be avoided, several permits will still be required. They are as follows:

Eliza Howell Park Permitting Matrix			
Agency	Permit	Permitting Time	Reason for Permit
Detroit Department of Public Works (DPW)	ROW Permit	1-2 Month(s)	For taps and bulkheads to the DPW sewers within the I-96 Service Drive.
Michigan Department of Transportation (MDOT)	ROW Permit	1-2 Month(s)	For work within the MDOT ROW.
Michigan Department of Environment, Great Lakes, and Energy (EGLE)	Joint Permit Application	1-3 Month(s)	For work on or near the wetlands and the proposed overflow discharge to the Rouge River.

### SUMMARY OF ATTACHMENTS

Eliza Howell Park – Preliminary Site Plan  
Eliza Howell Park – Preliminary Cost Estimate  
Wetland Delineation



# OPINION OF PROBABLE CONSTRUCTION COST

**ORCHARD, HILTZ & McCLIMENT, INC.**

34000 Plymouth Road, Livonia, Michigan, 48150

Telephone: (734) 522-6711 FAX: (734) 522-6427

PROJECT: Eliza Howell Green Stormwater Infrastructure  
 LOCATION: Eliza Howell Park  
 WORK: Stormwater Improvements

DATE: August 7, 2019  
 PROJECT #: 7520-18-0010  
 ESTIMATOR: ZJH  
 CHECKED BY: PMD  
 CURRENT ENR: ZJH

ITEM CODE	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	COST
<b>CATEGORY 1 -Removal</b>					
2020002	Tree, Rem, 19 inch to 36 inch	Ea	1	\$ 800.00	\$ 800.00
2020003	Tree, Rem, 37 inch or Larger	Ea	1	\$ 1,200.00	\$ 1,200.00
2020004	Tree, Rem, 6 inch to 18 inch	Ea	4	\$ 250.00	\$ 1,000.00
2030015	Sewer, Rem, Less than 24 inch	Ft	10	\$ 20.00	\$ 200.00
2040020	Curb and Gutter, Rem	Ft	10	\$ 20.00	\$ 200.00
2040050	Pavt, Rem	Syd	1592	\$ 15.00	\$ 23,880.00
2040055	Sidewalk, Rem	Syd	6	\$ 7.00	\$ 42.00
2050016	Excavation, Earth	Cyd	463	\$ 20.00	\$ 9,260.00
2087051	Soil Erosion and Sedimentation Control	LSUM	1	\$ 5,000.00	\$ 5,000.00
<b>CATEGORY 2 -Construction</b>					
1027051	Mobilization, Max 5%	LSUM	1	\$ 8,750.00	\$ 8,750.00
1027051	Traffic Control	LSUM	1	\$ 5,000.00	\$ 5,000.00
2050010	Embankment, CIP	Cyd	358	\$ 10.00	\$ 3,580.00
2057021	Bioretention Soil	Cyd	245	\$ 30.00	\$ 7,350.00
3020020	Aggregate Base, 8 inch	Syd	59	\$ 14.00	\$ 826.00
4010047	Culv End Sect, Conc, 12 inch	Ea	2	\$ 650.00	\$ 1,300.00
4010051	Culv End Sect, Conc, 24 inch	Ea	2	\$ 800.00	\$ 1,600.00
4020960	Sewer, CI IV, 12 inch, Tr Det A	Ft	130	\$ 70.00	\$ 9,100.00
4020963	Sewer, CI IV, 24 inch, Tr Det A	Ft	254	\$ 80.00	\$ 20,320.00
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	20	\$ 80.00	\$ 1,600.00
4020993	Sewer, CI IV, 24 inch, Tr Det B	Ft	30	\$ 90.00	\$ 2,700.00
4030065	Dr Structure Cover, Type Q	Ea	1	\$ 650.00	\$ 650.00
4030210	Dr Structure, 48 inch dia	Ea	1	\$ 1,800.00	\$ 1,800.00
4030324	Dr Structure, Tap, 24 inch	Ea	2	\$ 900.00	\$ 1,800.00
4037050	Bulkhead Sewer	Ea	3	\$ 600.00	\$ 1,800.00
4037050	Outlet Control Structure, 72 inch	Ea	1	\$ 6,500.00	\$ 6,500.00
5010044	HMA, 3E1	Ton	6	\$ 200.00	\$ 1,200.00
5010050	HMA, 4E1	Ton	5	\$ 200.00	\$ 1,000.00
5010056	HMA, 5E1	Ton	5	\$ 200.00	\$ 1,000.00
8020038	Curb and Gutter, Conc, Det F4	Ft	20	\$ 30.00	\$ 600.00
8030044	Sidewalk, Conc, 4 inch	Sft	225	\$ 6.00	\$ 1,350.00
8160103	Slope Restoration, Type D	Syd	559	\$ 7.00	\$ 3,913.00
8167010	Bioretention Plants	Sft	3302	\$ 3.00	\$ 9,906.00
8167010	Bioretention Seeding	Sft	14205	\$ 0.75	\$ 10,653.75
<b>SUBTOTAL FOR CATEGORY 1 -Removal</b>					\$ 41,582.00
<b>SUBTOTAL FOR CATEGORY 2 -Construction</b>					\$ 104,298.75
<b>CONTINGENCY ( 20% )</b>					\$ 29,176.15





# OPINION OF PROBABLE CONSTRUCTION COST

**ORCHARD, HILTZ & McCLIMENT, INC.**  
34000 Plymouth Road, Livonia, Michigan, 48150

Telephone: (734) 522-6711 FAX: (734) 522-6427

PROJECT: Eliza Howell Green Stormwater Infrastructure  
LOCATION: Eliza Howell Park  
WORK: Stormwater Improvements

DATE: August 7, 2019  
PROJECT #: 7520-18-0010  
ESTIMATOR: ZJH  
CHECKED BY: PMD  
CURRENT ENR: ZJH

ITEM CODE	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	COST
<b>TOTAL OPINION OF PROBABLE CONSTRUCTION COST =</b>					<b>\$ 175,056.90</b>



**MEMORANDUM**

TO: Mary Sheffield  
President Pro Tem  
Detroit City Council  
City of Detroit

THROUGH: Brenda Jones  
President  
Detroit City Council

FROM: Roy McCalister, Jr., Councilman  
City of Detroit

DATE: November 13, 2019

RE: Concerns regarding the following contracts: **Contract # 6002431 & # 6002432**

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1. On September 3, 2019, Council approved: **Contract No. 3035956** - Total Contract Amount: **\$299,000.00** GSD which has contracted services similar **Contract # 6002431** which is to purchase or rent 3- Wheel Street Sweepers which are required for Municipal Street Sweeping - Contract Amount **\$4,000,000.00**. Can we get an explanation as to why there seems to be a doubling of services relative to these contracts?
2. The week of August 5, 2019, during recess, **Contract #6001799** 100% Major Street Funding – Total Contract Amount: **\$7,350,460.88** was approved for paving and cement work as needed throughout the City of Detroit. The currently proposed **Contract # 6002432** appears as though we, as a city are getting into road repair work. This contract is listed at **\$1,000,000.00** and is for the purchase of and or rental of street repair and or resurfacing, pothole and other road work equipment. Again, can we please get clarification as why there appears to be a doubling of same services, but these contracts are both for the purchase or renting of equipment by the City to do the work ourselves?

Sincerely,

**Roy McCalister, Jr.**  
Detroit City Council  
CC:

City Clerk

CITY CLERK 2019 NOV 14 PM 2:07