

Amended AGENDA
Huron-Clinton Metropolitan Authority
Board of Commission Meeting
June 8, 2017 – 10:30 a.m.
Administrative Office – Boardroom

1. Chairman's Statement
2. Approval – June 8, 2017 Full Agenda
3. Approval – May 11, 2017 Regular Meeting Minutes
4. Election of Board Officers **pg. 1**
5. Public Participation

Consent Agenda

6. **Approval – June 8, 2017 Consent Agenda**
 - a. Approval – May 2017 Financial Statements and Payment Registers
 - b. Approval – May 2017 Appropriation Adjustments **pg. 3**
 - c. Purchases
 1. Glow Products for Fireworks events **pg. 7**
 - d. Approval – 2017 Tax Levy Report **pg. 11**
 - e. Bids – Hike/Bike Trail Crack Filling/Seal Coating, All Locations **pg. 15**
 - f. Bids – Tollbooth Replacement, Stony Creek Metropark **pg. 19**
 - g. Approval – Temporary and Highway Easement, Stony Creek Metropark **pg. 23**
 - h. Approval – Michigan Council for Arts & Cultural Affairs Grant Request **pg. 49**
 - i. Report – Correction to Culvert Repairs, Willow Metropark **pg. 67**
 - j. Approval – Contractual Services **pg. 71**

Regular Agenda

7. **Reports**
 - A. *Finance Department*
 1. Report – 2016 Audited Financial Statements **pg. 73**
 - B. *Planning Department*
 1. Approval – Hudson Mills Master Plan **pg. 75**
 - C. *Engineering Department*
 1. Bids – Exterior Insulated Finish System Repairs, Lake St. Clair Metropark **pg. 77**
 - D. *Natural Resources Department*
 1. Report – Black Creek Marsh Dredging Project, Lake St. Clair Metropark **pg. 87**
8. Other Business
9. Staff Officer Update
10. Commissioner Comments
11. Motion to Adjourn

The next regular Metroparks Board meeting will take place
Thursday, July 13, 2017 – 10:30 a.m.
Oakwoods Metropark – Nature Center



HURON-CLINTON METROPOLITAN AUTHORITY

To: Board of Commissioners
From: George Phifer, Director
Subject: Board of Commission – Officer Elections
Date: June 1, 2017

Requested Action: Motion to Elect Board Officers

That the Board of Commissioners' elect a Chairman, Vice-Chairman, Secretary and Treasurer at the June 8, 2017 Board meeting as required by the Metroparks Bylaws.

Background: The Huron-Clinton Metropolitan Authority Bylaws read in part:

The Board of Commissioners shall elect a Chairman, a Vice-Chairman, a Secretary, and a Treasurer, who shall be elected by the Commissioners at the annual meeting of the Board of Commissioners.

The regular monthly meeting held in the month of June constitutes the annual meeting of the Board of Commissioners.

**HURON-CLINTON METROPOLITAN AUTHORITY**

To: Board of Commissioners
From: Michelle Cole, Chief Financial Officer
Subject: Approval – May Appropriation Adjustments
Date: June 1, 2017

Action Requested: Motion to Approve

That the Board of Commissioners' approve the May 2017 Appropriation Adjustments as recommended by Director Phifer and Chief Financial Officer Michelle Cole.

Background: The Metroparks ERP system provides a work-flow process to facilitate departmental budget management. Requested transfers are initiated by department staff and routed to the appropriate Department Head/District Superintendent for review and approval. Finance provides a final review of the approved requests to verify that they do not negatively affect the Fund Balance.

For the month of May, \$33,624.44 represents funds transferred between accounts within the parks to cover over budget accounts or to move funds to the correct account.

In addition, expense accounts were increased for two grant-funded projects (1) the Wildflower Association (\$815) at Kensington Interpretive Center plantings; and (2) 3M Eco Grant (\$3,725) for Oakwoods Mobile Outreach Van improvements.

\$40,996 was transferred from the Administrative Capital Unallocated account to fund two additional phases of the IT Infrastructure work and \$22,141.75 was transferred from the Administrative Office Capital to Administrative Office Major Maintenance account related to the Administrative Office Kitchen/Work room update. These transfers were approved by the Director prior to processing.

During the month, amendments that affected the Fund Balance resulted in a net decrease of \$40,131.70. This is the result of transfers processed to cover the beginning balances for food and sundry inventories throughout the park system (\$55,131.70), which was offset by funding received from the Foundation for planned Michigan Philharmonic events at Stony Creek (\$5,000) and Lake Erie (\$10,000) Metroparks. These transfers were also approved by the Director prior to processing. The result of these changes can be seen in the attached chart.

Attachment: Appropriation Adjustments

May 2017 Appropriation Transfer Summary

Expense Accounts

	Location	Increase	Decrease	Difference
Capital				
	Administrative Office	\$ -	\$ 42,246	\$ (42,246)
	Lake St. Clair	-	2,500	(2,500)
	Lower Huron	31,289	-	31,289
	Stony Creek	-	7,750	(7,750)
	Indian Springs	9,707	-	9,707
	Total	\$ 40,996	\$ 52,496	\$ (11,500)

Major Maintenance

	Administrative Office	\$ 22,142		\$ 22,142
	Total	\$ 22,142	\$ -	\$ 22,142

Operations

	Lake St. Clair	\$ 4,669		\$ 4,669
	Kensington	36,062	35,423	639
	Lower Huron	14,060	1,105	12,955
	Hudson Mills	7,340	1,200	6,140
	Stony Creek	9,856	3,100	6,756
	Lake Erie	6,817		6,817
	Wolcott	1,895		1,895
	Indian Springs	7,015	1,200	5,815
	Huron Meadows	3,586		3,586
	Total	\$ 91,300	\$ 42,028	\$ 49,272

Administration

	Administrative Office	\$ 1,996	\$ 2,238	\$ (242)
	Total	1,996	2,238	(242)
	Total Expense	\$ 156,434	\$ 96,762	\$ 59,672

Revenue Accounts

Operations

	Lower Huron	\$ 3,725	\$ -	\$ 3,725
	Stony Creek	5,000	-	5,000
	Lake Erie	10,000	-	10,000
	Total	\$ 18,725	\$ -	\$ 18,725

Administration

	Administrative Office	\$ 815		\$ 815
	Total	815	-	815

	Total Revenue	\$ 19,540	\$ -	\$ 19,540
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	Grand Total (Net)	\$ 136,894	\$ 96,762	\$ 40,132
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HURON-CLINTON METROPOLITAN AUTHORITY

To: Board of Commissioners
From: Heidi Dziak, Senior Buyer
Project No: RFP 2017-024
Project Title: Purchases – Glow Products Resale
Location: Lake St. Clair, Stony Creek, Kensington, Hudson Mills, Willow and Lake Erie
Date: June 1, 2017

Action Requested: Motion to Approve

That the Board of Commissioners' award RFP 2017-024 to Global Glow Toys, LLC to sell glow products during Metroparks fireworks at Stony Creek (June 23), Kensington (June 24), Lake Erie (June 25), Hudson Mills (June 28), Indian Springs (June 29), Lake St. Clair (June 30) and Willow (July 1) as recommended by Senior Buyer Heidi Dziak and staff.

Fiscal Impact: Global Glow Toys LLC will pay the Metroparks an \$860 commission fee per fireworks show and pay an additional 20 percent of gross sales over \$4,300.

Scope of Work: The vendor will sell a variety of glow products with pricing starting as low as \$1. The vendors will be clearly identifiable for Metroparks staff. In addition, Metroparks staff will be able to count and verify products prior to the start of selling and remove any products that are not appropriate.

Background: The proposed opportunity to sell glow products was competitively bid. The RFP was competitively bid and posted on the Michigan Intergovernmental Trade Network (MITN) site, which provided notice of the solicitation to 46 vendors, of which five (5) vendors downloaded the RFP. HCMA also emailed notice of the RFP to three (3) vendors.

Global Glow Toys LLC provided the only response received. The vendor has sold glow products at HCMA fireworks for the last several years.

<u>Vendor</u>	<u>Location</u>	<u>Price</u>
Global Glow Toys, LLC	St. Clair Shores, MI	\$860 per show plus 20% of gross sales over \$4,300

Attachment: Photo of Global Glow Products





HURON-CLINTON METROPOLITAN AUTHORITY

To: Board of Commissioners
 From: Michelle Cole, CFO
 Subject: Approval – 2017/2018 Tax Levy Report
 Date: May 31, 2017

Action Requested: Motion to Approve

That the Board of Commissioners' (1) approve the 2017 Tax Rate Request forms at .2141 mills (formerly .2146 mills); and (2) approve the inclusion of "net" tax revenues of \$29,960,593 in the 2018 Budget as recommended by CFO Cole and staff.

Summary: Final 2017 Taxable Value figures used for the calculation of the Metroparks 2018 tax revenues have been received from the county treasurer's offices. At this time, it is necessary for the Board of Commissioners to certify the requested tax levy rate of .2141mills (formerly .2146 mills) for each county.

Background: The calculation of the Metroparks tax levy millage rate is controlled by the "Headlee" Millage Reduction Formula (Michigan Compiled Law 211.34d) and Proposal A (1994 Public Act 415). Once the Metroparks tax levy rate is calculated, it is applied to the "taxable values" throughout the five counties of Livingston, Macomb, Oakland, Washtenaw and Wayne.

The Metroparks "taxable value" for the five counties for 2017 is \$143.6 billion, an increase of \$3.8 billion (2.73 percent) from the 2016 value of \$139.8 billion. The Metroparks taxable value showed an overall positive trend, with all five counties having increased from the previous year. Livingston, Oakland and Washtenaw had the largest increases, all over 3 percent, with Macomb just under at 2.6 percent. The overall 2.7 percent increase is favorable to our long term planning.

In applying the 2017 taxable value figures to the Headlee Millage Reduction Factor calculation formula, with the permitted inflation rate multiplier of 1.009, the Metroparks will be permitted to levy .2141 mills (formerly .2146 mills) for 2018. For the first time in 13 years, the Metroparks has to decrease their levy rate due to the MRF calculation reaching below 1.000. The Metroparks is levying 85 percent of the original authorized millage of .2500 mills. It should be noted that our reduction factor was just under 1.000 this year and the Metroparks will most likely be in a rollback situation for the next tax year.

In applying the .2141 millage rate against the district's 2017 "taxable value" figures, anticipated "gross" tax revenues for 2018 will be \$30,750,593. The breakdown by county is as follows:

	2017/18 Levy	%	2016/17 Levy	%	Change
Livingston	\$ 1,811,872	5.9%	\$ 1,758,341	5.9%	3.0%
Macomb	\$ 5,560,949	18.1%	\$ 5,416,668	18.1%	2.6%
Oakland	\$ 11,700,581	38.0%	\$ 11,310,893	36.6%	3.3%
Washtenaw	\$ 3,382,464	11.0%	\$ 3,273,075	10.8%	3.2%
Wayne	\$ 8,294,726	27.0%	\$ 8,243,747	28.3%	0.6%
Total	\$ 30,750,593	100.0%	\$ 30,002,724	100.0%	2.4%

As the Authority has done for the last nine years, staff recommends estimating the amount of “captured” tax revenues and potential tax refunds and adjust the anticipated gross tax revenues down at the start of the budget year. This is due to (1) the number of tax abatement programs, which include Downtown Development Authorities (DDA), Local Development Finance Authorities (LDFA), Tax Incremental Finance Authorities (TIFA), Brownfield and Neighborhood Enterprise Zones; (2) the large number of communities that are utilizing them; and (3) the amount of Metroparks tax revenue that is being captured and refunded.

By booking this adjustment at the beginning of the budget year, the Metroparks are able to have a more accurate picture of the actual amount of tax revenue that should ultimately be collected in 2018. Based on trends from the last five years of data from the amount tax revenue captured and refunded, the following breakdown details the “net” tax revenues recommended to be used for the 2018 Budget.

	2017/18 Gross Tax Levy	Estimated Captured Taxes	2017/18 Net Tax Levy
Livingston	\$ 1,811,872	\$ (35,000)	\$ 1,776,872
Macomb	5,560,949	(25,000)	5,535,949
Oakland	11,700,581	(300,000)	11,400,581
Washtenaw	3,382,464	(80,000)	3,302,464
Wayne	8,294,726	(350,000)	7,944,726
Total	\$ 30,750,593	\$ (790,000)	\$ 29,960,593

The 2017 Budget was prepared based on anticipated net tax revenues of \$29,232,724. The recommended net tax revenue for 2018 is \$29,960,593, an increase of \$727,869. For 2018, the Metroparks budgeted revenue remains fairly close to the amount of tax revenues that were received in 2003, but still remains less than our peak year of 2009.

The Metroparks have received confirmation of the calculations of the 2017 tax millage rate and revenues from the State Department of Treasury, Assessment and Certification Division. At this time, it is necessary for the Board to certify the 2017 tax levy rate for each county.

Attachment: 2009 – 2018 Tax Revenue Trends

Property Tax Levy
 Historical Data 2011-2018
 Huron-Clinton Metroparks Authority

	2011	2012	2013	2014	2015	2016	2017	2018
Livingston County	1,668,672	1,598,178	1,571,188	1,591,642	1,630,959	1,728,131	1,785,988	1,780,872
% of Total	5.3%	5.4%	5.6%	5.7%	5.7%	5.9%	5.9%	5.9%
Macomb County	5,864,213	5,455,641	5,158,236	5,123,729	5,259,684	5,445,085	5,573,910	5,575,949
% of Total	18.7%	18.6%	18.3%	18.2%	18.5%	18.6%	18.5%	18.5%
Oakland County	11,369,758	10,517,997	10,217,237	10,253,527	10,454,311	10,840,213	11,487,605	11,434,581
% of Total	36.2%	35.8%	36.2%	36.4%	36.8%	37.0%	38.1%	38.0%
Washtenaw County	3,017,732	2,975,079	2,942,987	2,967,883	3,031,326	3,122,637	3,310,816	3,302,464
% of Total	9.6%	10.1%	10.4%	10.5%	10.7%	10.7%	11.0%	11.0%
Wayne County	9,499,230	8,830,546	8,296,643	8,209,161	8,058,277	8,171,801	8,030,567	7,994,726
% of Total	30.2%	30.1%	29.4%	29.2%	28.3%	27.9%	26.6%	26.6%
Total Adjusted Levy \$	\$ 31,419,605	\$ 29,377,442	\$ 28,186,291	\$ 28,145,942	\$ 28,434,558	\$ 29,307,867	\$ 30,188,887	\$ 30,088,593

2017 MRF=	(TOTAL 2016 TAXABLE VALUE - TAXABLE LOSSES) X 1.009
	2017 TAXABLE VALUE - TAXABLE VALUE ADDITIONS

2017 MRF=	139,805,503,619 -	1,881,248,134	1.009	0.9975
	143,627,242,079 -	4,116,834,081	=	0.9975

LEVY RATE = CURRENT YEAR MRF X PERMANENTLY REDUCED MILEAGE RATE

LEVY RATE = 0.9975 X 0.0002146 = 0.0002141

NOTE: The existing tax law states that:

- 1) the current year millage reduction fraction for 1994 and future years CANNOT exceed one (1.0000).
- 2) the "Headlee" millage reduction PERMANENTLY reduced the maximum rate authorized by law.
- 3) the growth of the Taxable Value is limited to the lower of the rate of inflation or 5%.
- 4) the levy rate must be rounded down per Public Act 38 effective 8/1/99.

The increasing number of tax abatement programs and the increasing number of cities and townships that establish these has caused HCM to estimate the amount of revenue "captured" by these communities and reduce the expected revenue accordingly. This will give a more accurate financial picture for budgeting purposes. Some of the programs are: DDA, LDFA, TIFA, and Brownfield Zone. Revenue is increased by Industrial and Commercial Facilities that are not in the original Taxable Value amount. The adjustment amount is the net effect of these and other miscellaneous items. Macomb County is the only county where Ind'l and Com'l increases are close to or exceed the abatement programs.

Under the directive of the State Tax Commission, the 2007 and future Taxable Values have been adjusted to exclude Renaissance Zones. Renaissance Zones have taxes levied for only local school district sinking funds and intermediate school district enhancement millages. In the past with Renaissance Zones included in the taxable values H.C.M.A. had a write down of tax revenue as is still the case for DDA, LDFA, TIFA, and Brownfield Zones.

For 1995 and future years the Taxable Value is different from the State Equalized Value due to the passage of Proposal A (PA 476-1996). The SEV for 2017 is \$178,252,249,768 vs. the Taxable Value of \$143,627,242,079. The impact of the lower Taxable Value being used in revenue calculations and the reduced millage rate due to the Headlee amendment results in lost revenue for H.C.M.A. of \$13,812,470 in 2017/18.



HURON-CLINTON METROPOLITAN AUTHORITY

To: Board of Commissioners
 From: Mike Brahm-Henkel, Manager of Engineering
 Project No: 900-17-009
 Project Title: Bids – Hike-Bike Trail Crack Filling and Sealcoating
 Project Type: Major Maintenance
 Location: Lake St. Clair, Stony Creek, Indian Springs, Kensington, Hudson Mills, Lower Huron and Willow Metroparks
 Date: June 1, 2017

Bids Received: May 18, 2017 at 2:00 p.m.

Action Requested: Motion to Approve

That the Board of Commissioners' award Contract No. 900-17-009 to the low responsive, responsible bidder, Wolverine Sealcoating, LLC in the amount of \$36,573 as recommended by Manager of Engineering Mike Brahm-Henkel and staff.

Fiscal Impact: This project is a budgeted repair in the amount of \$28,000. Additional funding is available from Wolcott Road and Lot Crack Filling in the amount of \$4,000, which is not needed at this time and \$4,573 from the estimated Delhi and Hudson Mills Road and Lot Crack Filling future project.

Scope of Work: There are two items of work for this project. One item is filling the cracks of bike trail surface and the second item is hike-bike trail seal coating and pavement striping at Indian Springs Metropark. The work is to include furnishing all labor, equipment and materials necessary for hike-bike trail crack filling and seal coating at Indian Springs.

Background: The project was bid on a unit price basis per pound of joint sealant, with a total contract amount equal to the budgeted amount of \$28,000 and on a per unit price for the sealcoating. Wolverine was chosen because they are providing the most material for the budgeted amount, which is the lowest unit price per pound of material as compared to the other bidders. The project is bid on a per pound basis in order to be able to track the amount of material that is being used. Since there are numerous cracks in the surface and each crack takes a varying amount of sealant, it is more efficient to track the material as it is added to the heating kettle. The kettle is then used to heat the bricks of material before it is spread on the paved surface.

As part of the pavement maintenance management program, cracks in the pavement surface are filled with a hot poured sealant to help prevent the intrusion of water through the surface. This practice helps to prolong the life of the surface. The crack filling also helps to provide a smooth surface for the bike trail users.

The current hike-bike pavement surface on the hike-bike trail at Indian Springs is contracting due to the existing binder in the asphalt weathering and drying out. In order to help preserve and extend the life of the surface the application of a seal coat over the whole surface is recommended to help provide a top coat barrier to the elements.

6-e
Bids – Hike-Bike Trail Crack Filling and Sealcoating
Page 2

<u>Contractor</u>	<u>City</u>	<u>Unit Price (\$/lbs)</u>	<u>Total Lbs.</u>	<u>Amount</u>
Wolverine Seal Coating LLC	Jackson	\$1.15	24,346	\$28,000.00
True North Asphalt	Rochester Hills	\$1.80	15,554	\$28,000.00
Michigan Joint Sealing, Inc.	Farmington Hills	\$2.67	10,500	\$28,000.00

Seal Coating and Pavement Striping – Indian Springs

Wolverine Seal Coating LLC				\$ 8,573.00
True North Asphalt				\$ 6,305.40
Michigan Joint Sealing				\$18,926.80

Budget amount for Contract and Administration

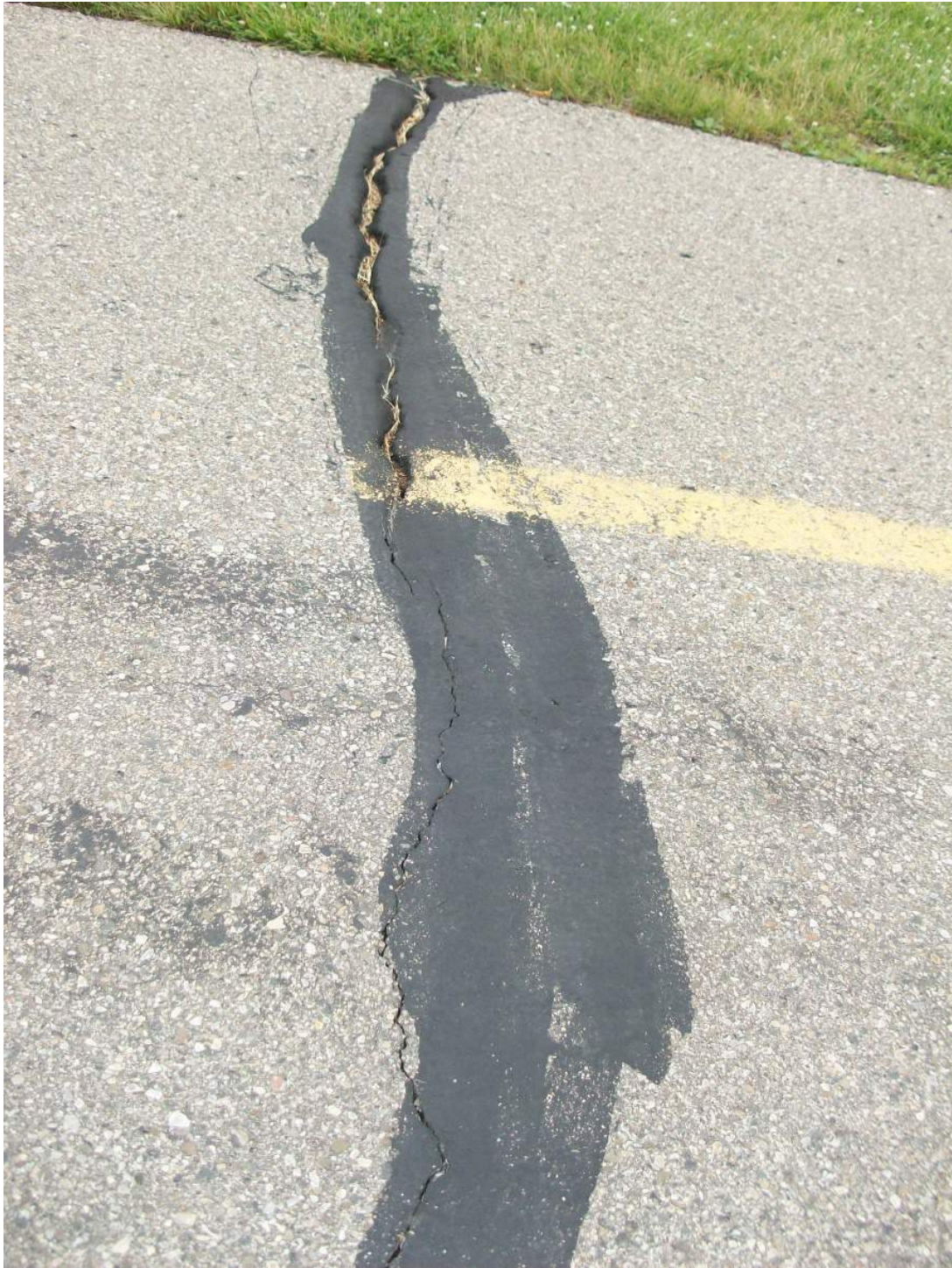
Park-Wide Bike Trail Crack Filling				\$28,000.00
Wolcott Road and Lot Crack Filling				\$ 4,000.00
Delhi/Hudson Mills Road and Lot Crack Filling				\$ 4,573.00
Total				<u>\$36,573.00</u>

Work Order Amount

Contract Amount – Wolverine Seal Coating LLC				\$36,573.00
Contract Administration				\$ 2,000.00
Total Proposed Work Order Amount (rounded)				<u>\$38,573.00</u>

This project was reported and publicly advertised in the following construction reporting outlets: MITN, Construction Association of Michigan, Reed Construction Data, Construction News Corporation, Construction News Service, HCMA Website, Builders Exchange of Michigan, McGraw Hill Dodge, Builders Exchange of Lansing and Central Michigan.

Note: the following reviewed plans but don not submit a bid; Allied Building Service Company, Detroit; G2 Consulting Group LLC, Troy, Mullins Asphalt LLC, Jackson, Sleeves Consulting Services, Boulder City; TSI, New York.





HURON-CLINTON METROPOLITAN AUTHORITY

To: Board of Commissioners
 From: Mike Brahm-Henkel, Manager of Engineering
 Project No: 509-17-541
 Project Title: Bids – Tollbooth Replacement
 Project Type: Major Maintenance
 Location: Stony Creek, Metropark
 Date: June 1, 2017

Bids Received: May 16, 2017

Action Requested: Motion to Approve

That the Board of Commissioners award Contract No. 509-17-541 to the low responsive, responsible bidder, Dave’s Contracting, Inc. in the amount of \$48,440 as recommended by Manager of Engineering Mike Brahm-Henkel and staff.

Fiscal Impact: The project was budgeted at \$65,000 and is under budget by \$16,560.

Scope of Work: The project includes the removal and replacement of the middle tollbooth, which includes disconnecting and connecting all cabling and power to the booth and installing a new vehicle detection system for all lanes. In addition, the work includes the replacement of the doors on the two adjacent tollbooths.

Background: The existing middle tollbooth at Stony Creek is the most used of the three booths on site. The existing floor and metal has degraded and rusted away and the doors do not close easily. The degradation of the metal is primarily due to the salt from the winter months where it gets tracked in and gets sprayed by passing vehicles.

<u>Contractor</u>	<u>City</u>	<u>Amount</u>
Dave’s Contracting Inc.*	Dearborn	\$48,400.00
*(Note only one bid was received)		
Budget Amount for Contract Services and Administration		\$65,000.00
Work Order Amount		
Contract Amount – Dave’s Contracting, Inc.		\$48,400.00
Contract Administration		<u>\$ 2,000.00</u>
Total Proposed Work Order Amount (Rounded)		<u>\$ 50,400.00</u>

This project was reported and publicly advertised in the following construction reporting outlets: MITN, Construction Association of Michigan, Reed Construction Data, Construction News Corporation, Construction News Service, HCMA Website, Builders Exchange of Michigan, McGraw Hill Dodge, Builders Exchange of Lansing and Central Michigan.

****Note** the following reviewed plans but don not submit a bid; International Controls & Equipment, JSS - Macomb, LLC, LaBelle Development, Meridian Contracting Group, PAR-KUT INTERNATIONAL, INC., SOLE’ CONSTRUCTION, INC., Swiatko Enterprises, Inc., Tollis Development, Top Lighthouse Construction LLC, Warren Contractors & Development Inc., Washtenaw Contractors Association, WCI Contractors, Inc., White Pine Building and Development LLC

Attachment: Stony Creek Tollbooth Photos





HURON-CLINTON METROPOLITAN AUTHORITY

To: Board of Commissioners
 From: Mike Brahm-Henkel, Manager of Engineering
 Subject: Approval – Temporary and Highway Easement
 Location: Stony Creek Metropark
 Date: June 1, 2017

Action Requested: Motion to Approve

That the Board of Commissioners' approve the Temporary and Highway Easement as requested by the Oakland County Road Commission as recommended by Manager of Engineering Mike Brahm-Henkel and staff.

Fiscal Impact: Payments to be received in the amount of \$ 30.00 for the temporary easement and \$450.00 for the Highway easement.

Background: The Road Commission for Oakland County (RCOC) is proposing to replace the McClure Drain culvert adjacent to Stony Creek Metropark located along Snell Road in Oakland Township.

The existing 8-foot diameter, corrugated metal pipe culvert is deteriorating and heavy erosion of the roadway embankment is occurring around the culvert inlet. To maintain the integrity of the road and improve the stream crossing the existing culvert needs to be replaced.

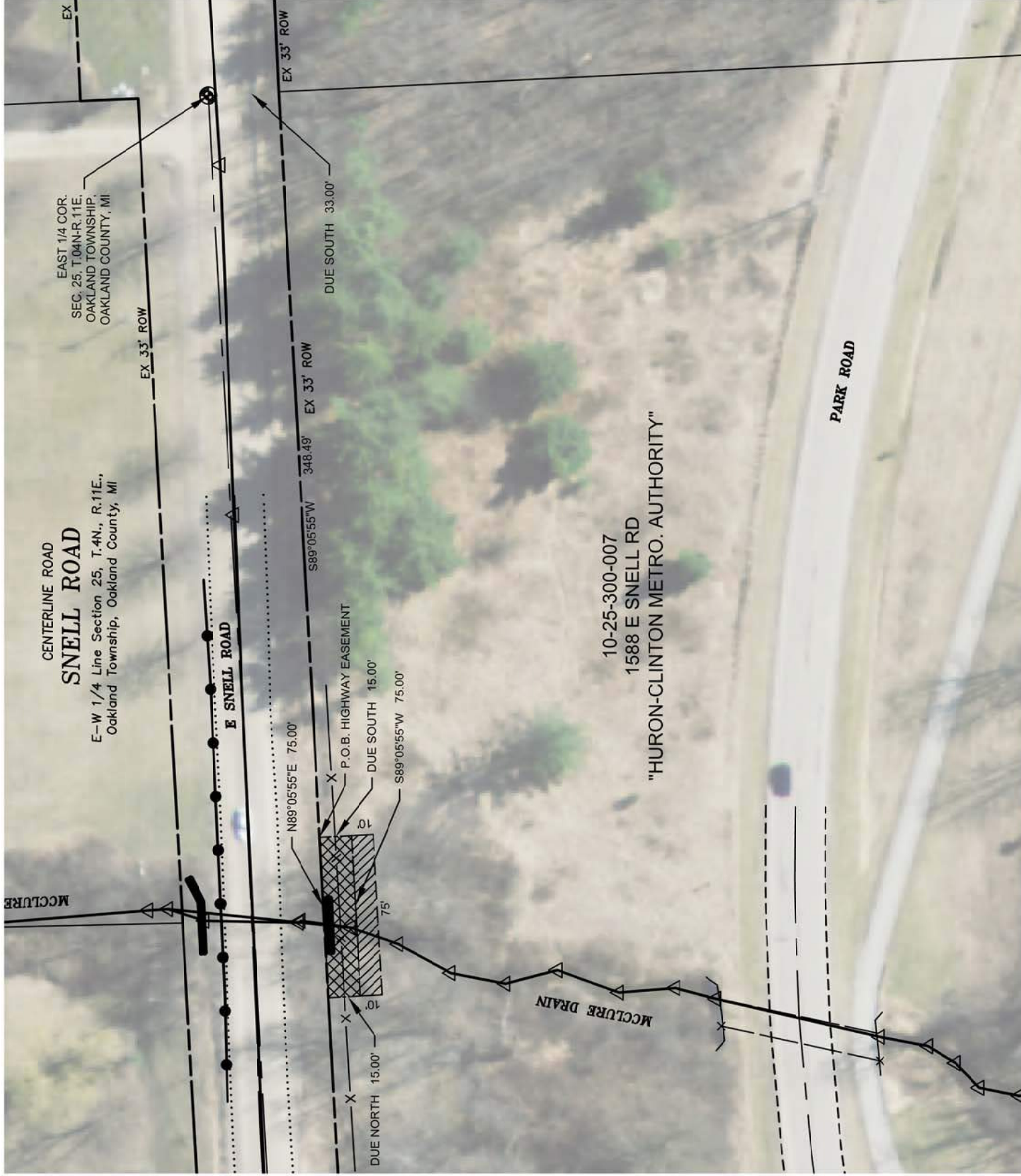
In order to proceed with the project, the RCOC needs to obtain a temporary and highway easement over Stony Creek Metropark property. The easements would grant the RCOC the rights needed in order to construct and install the new culvert. The temporary easement requested is 10-feet by 75-feet and the highway easement is 15-feet by 75-feet.

The easement documentation has been reviewed by Miller Canfield.

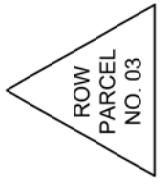
Attachments:

- Aerial Parcel Sketch**
- Plan Sheets**
- Appraisal**
- Exhibit A**
- Exhibit B**
- Easement Park Map**
- Temporary Easement Documentation**
- Highway Easement Documentation**

AERIAL PARCEL SKETCH
PARCEL 10-25-300-007
1588 E SNELL ROAD




HIGHWAY EASEMENT
 TEMPORARY EASEMENT
 FOR CONSTRUCTION



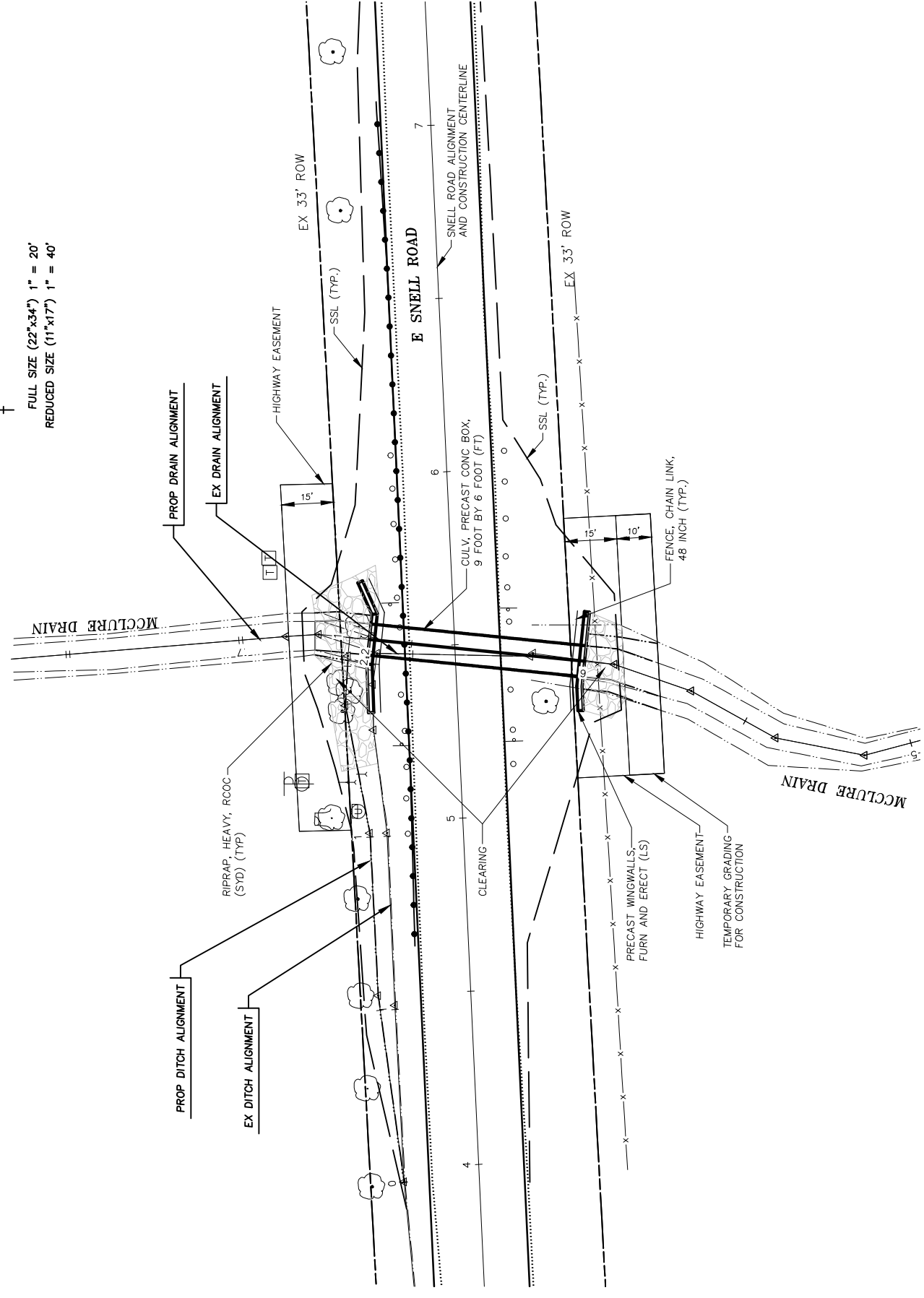
SCALE: 1" = 60'



 ROAD COMMISSION for OAKLAND COUNTY BEVERLY HILLS, MICHIGAN PHONE: 877-868-4804 WEB: WWW.RCOCWEB.ORG	PROJECT NO. 52623	DESIGN PHASE SNELL ROAD
	DATE 01/27/17	DESIGN PHASE PARCEL 10-25-300-007 SECTION 25 T.4N., R.11E., OAKLAND TOWNSHIP, OAKLAND COUNTY, MICHIGAN
		SHEET NO. 1 OF 1



Know what's below.
Call before you dig.



CULVERT PLAN

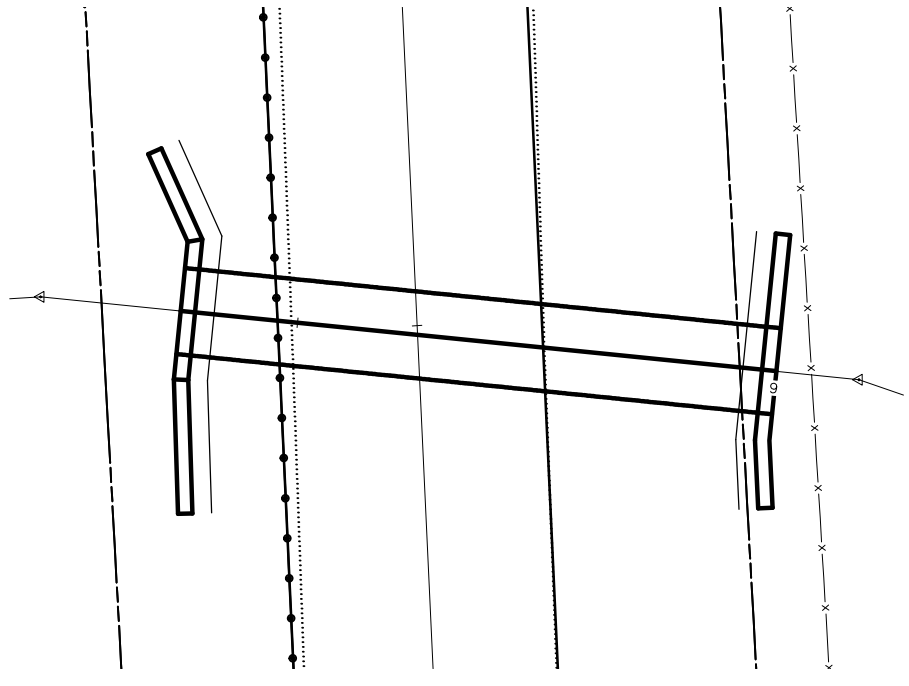
McClure Drain

SCALE: 1" = 20'

FULL SIZE (22"x34") 1" = 20'
REDUCED SIZE (11"x17") 1" = 40'



FULL SIZE (22"x34") 1" = 10'
REDUCED SIZE (11"x17") 1" = 20'



CULVERT PLAN

SCALE: 1" = 10'

QUANTITIES - THIS SHEET ONLY		
PAY ITEM	QTY	UNIT
EROSION CONTROL, FILTER BAG	0	EA
EROSION CONTROL, TURBIDITY CURTAIN, DEEP	0	FT
SUBGRADE UNDERCUTTING, 3 BY 1	0	CYD
EXCAVATION, FDN	0	CYD
BACKFILL, STRUCTURE, CIP	0	CYD
GEOTEXTILE FABRIC, TYPE NW 8	0	SYD
UNDERDRAIN, FDN, 6 INCH	0	FT
UNDERDRAIN, OUTLET, 6 INCH	0	FT
UNDERDRAIN, OUTLET ENDING, 6 INCH	0	EA
FENCE, CHAIN LINK, 48 INCH	0	FT
CULV, PRECAST, CONC BOX, 9 FOOT BY 6 FOOT	0	FT
PRECAST WINGWALLS, FURN AND ERECT	0	LS
MEMBRANE, PERFORMED WATERPROOFING	0	SYD
CONC SURFACE COATING	0	SYD
STEEL SHEET PILING, TEMP	0	SFT
FENCE, CHAIN LINK, 48 INCH	0	FT
RIPRAP, HEAVY, RCOC	0	SYD

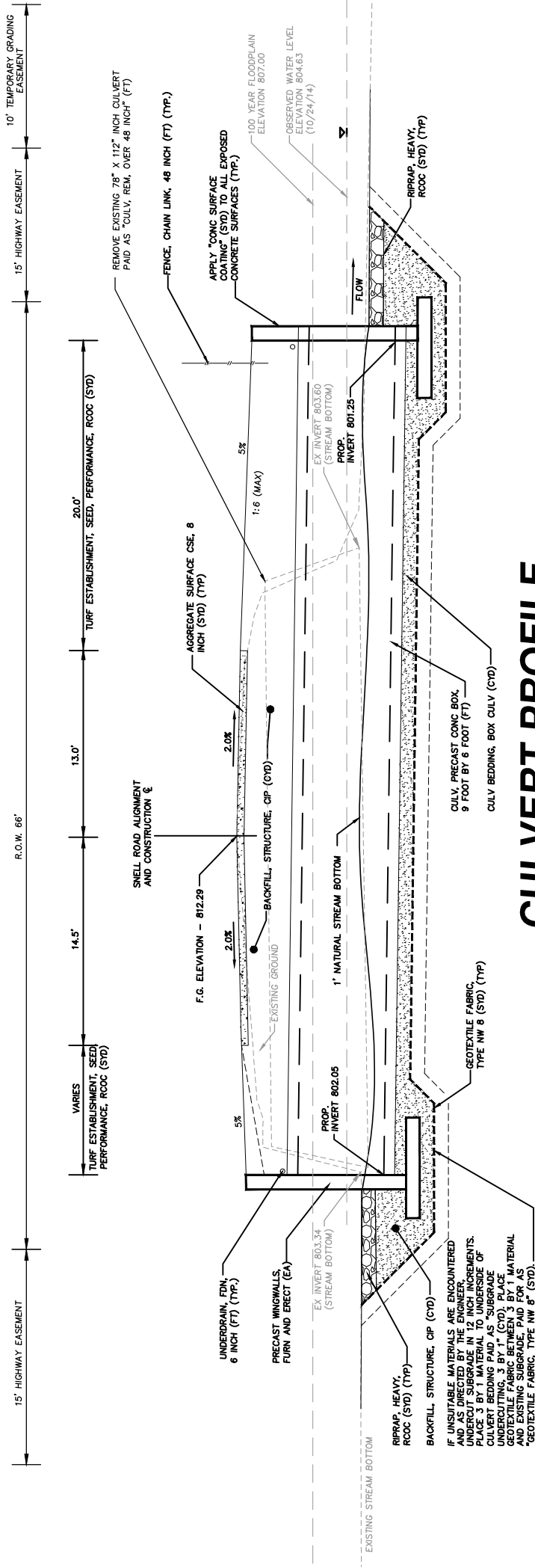
BEVERLY HILLS, MICHIGAN
PROJECTS-889-4841, RES-WATER@OCOR.GOV

PROJECT NO. 52623
DATE 03/17/17

CULVERT PLAN
SNELL RD OVER MCCLURE DRAIN
HERON DR TO BALMORAL WAY

DESIGN PHASE
SHEET NO. 18 OF 21

SCALE: 1" = 10'



CULVERT PROFILE

SCALE: 1" = 5'

FLOOD DATA	SUMMARY OF HYDRAULIC ANALYSIS					
	DISCHARGE (CFS)	EXISTING VELOCITY IN D/S CHANNEL (FT/S)	EXISTING WATER SURF. ELEV. AT U/S FACE OF STR. (FT)	PROPOSED VELOCITY IN D/S CHANNEL (FT/S)	PROPOSED WATER SURF. ELEV. AT U/S FACE OF STR. (FT)	CHANGE IN W.S. ELEV. U/S OF PROPOSED STR. (FT)
50-YEAR	280	8.36	809.17	5.26	40.5	-1.93
100-YEAR	350	8.70	810.19	6.48	40.5	-1.50
Maximum bridge area below low chord (square feet)	40.5					
The Drainage area contributory to this crossing (Square Miles)	3.6					
Elevations are based on (Datum):	NAVD88					

The water surface or energy grade elevations shown above are to be used for comparison purposes only and are not to be used for establishing a regulatory floodplain.
50 Year and 100 Year Elevations are for comparison only.



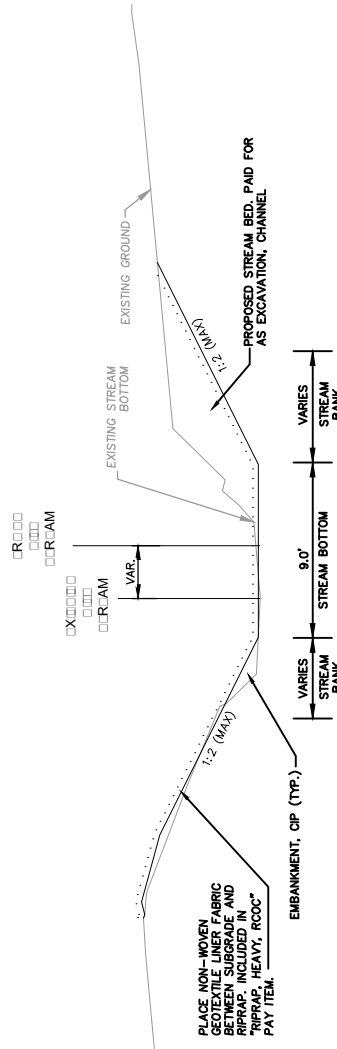
Know what's below. Call before you dig.



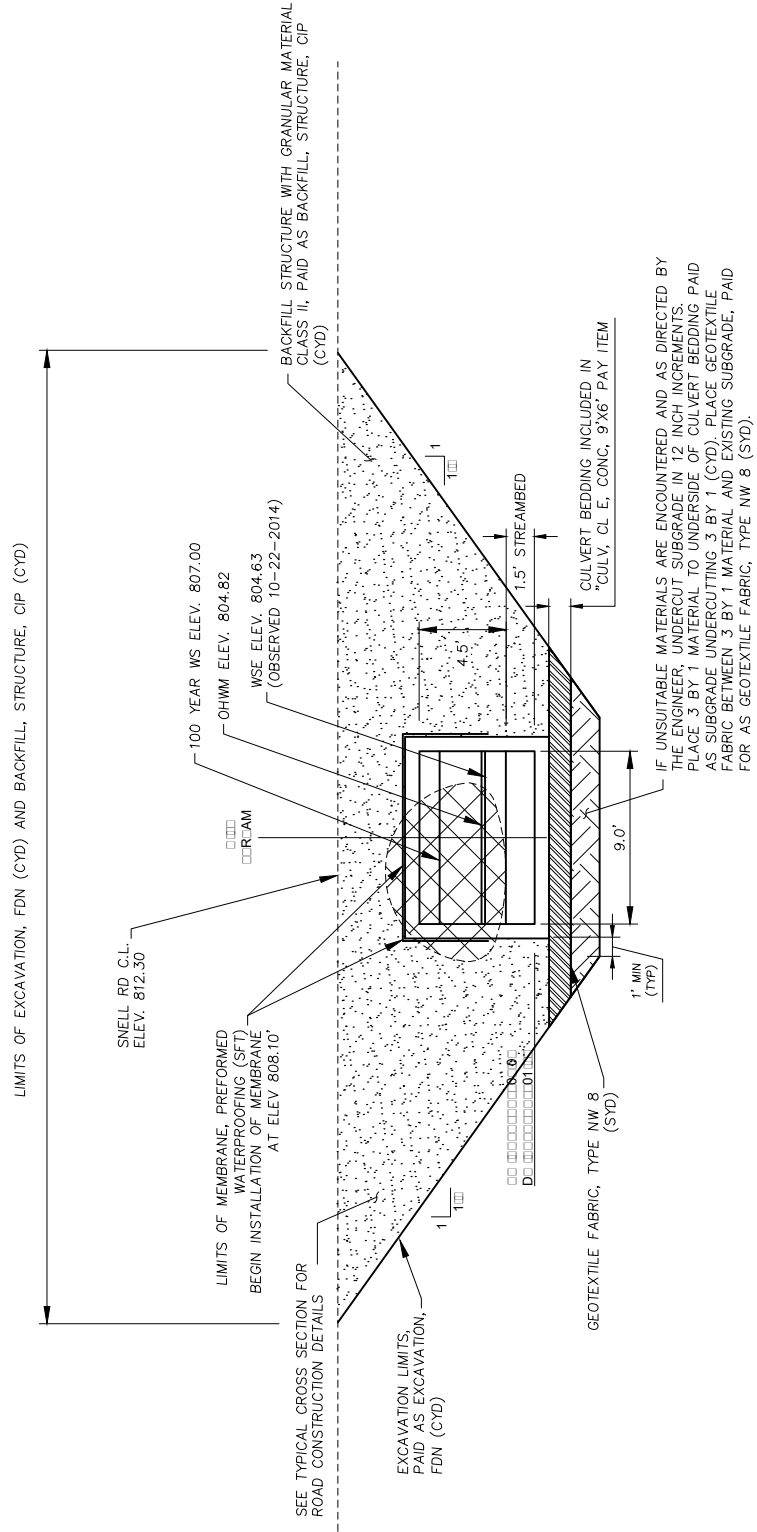
PROJECT NO. 52623
DATE 03/17/17

CULVERT PROFILE AND SECTIONS
SNELL RD OVER MCCLURE DRAIN
HERON DR TO BALMORAL WAY

DESIGN PHASE
DESIGN PHASE
SHEET NO. 19 OF 21



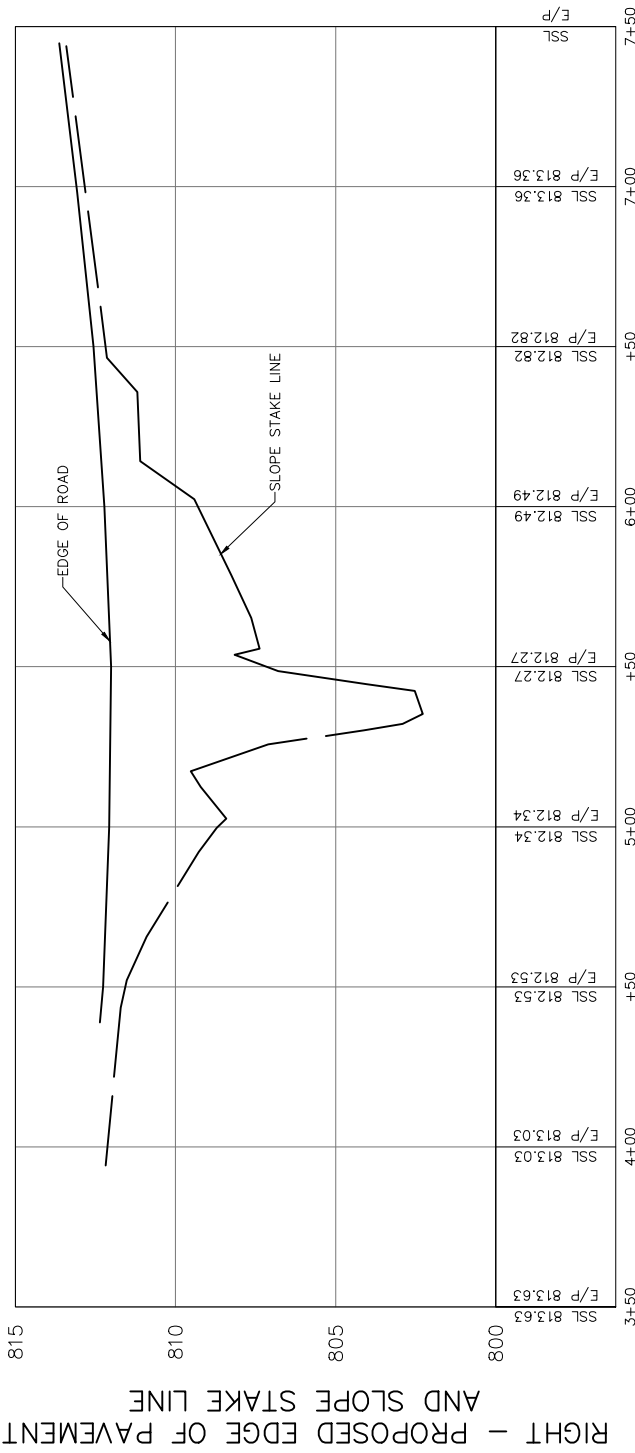
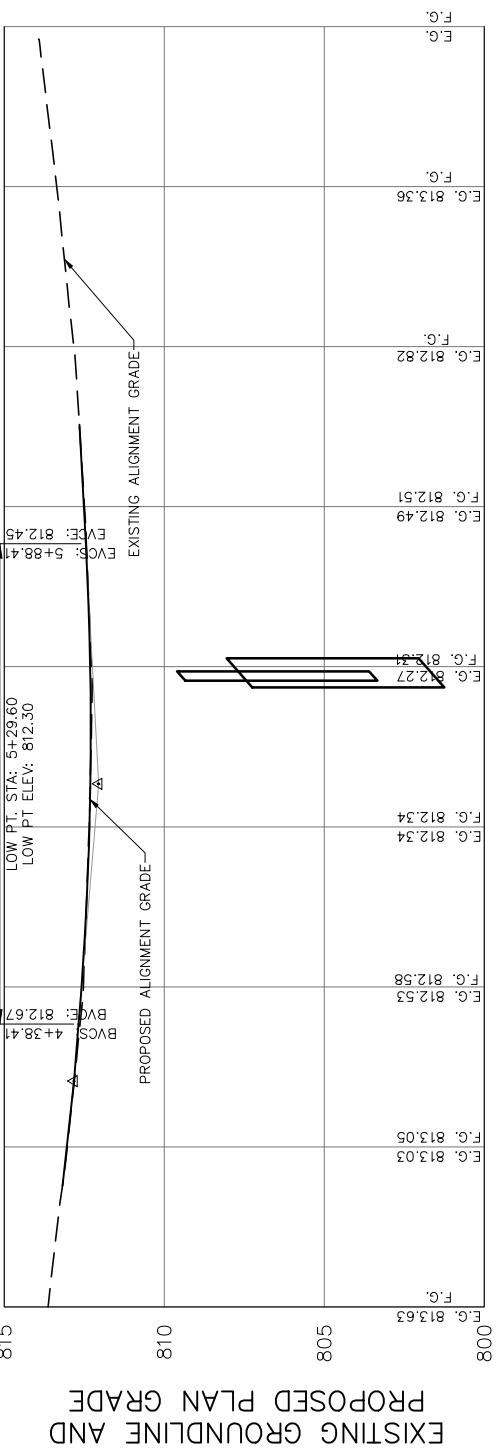
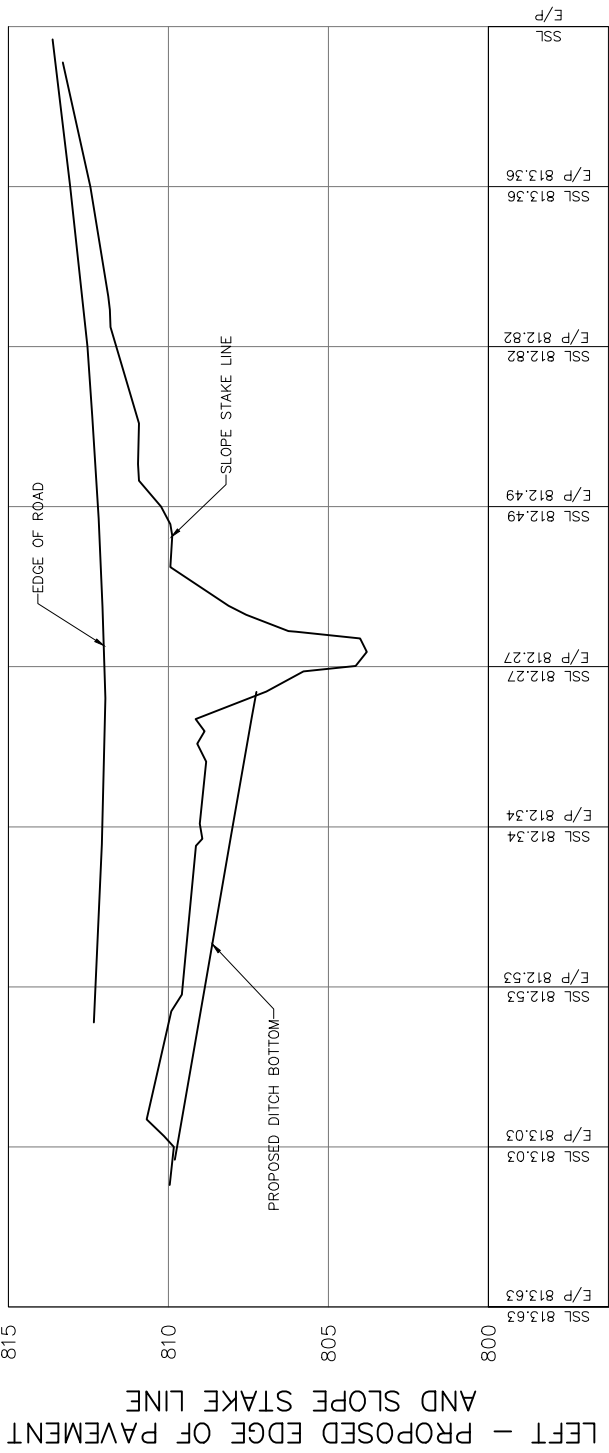
SECTION THROUGH
STREAM
SCALE: 1" = 5'



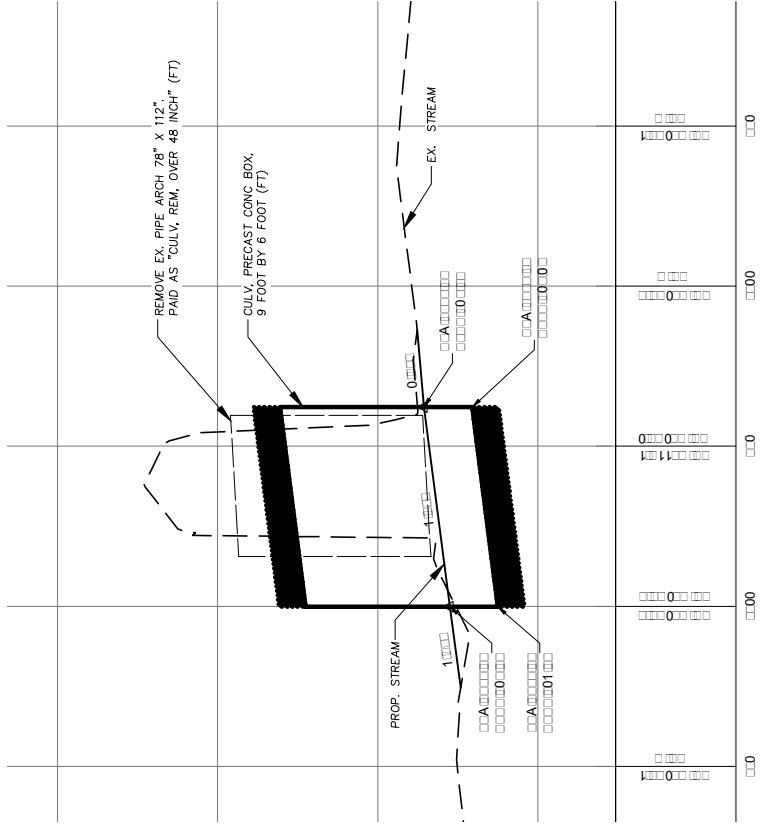
SECTION THROUGH
CULVERT
SCALE: 1" = 5'

DESIGN PHASE D	MISCELLANEOUS DETAILS	PROJECT NO. 0000	ROAD COMMISSION for OAKLAND COUNTY REGISTERED PROFESSIONAL ENGINEERS
SHEET NO. 1	SNELL RD OVER MCCLURE DRAIN	DATE 0 1 11	

PROJECT NO. 52623 PROJECT NAME: SNELL RD OVER MCCLURE DRAIN



FULL SIZE (22"x34") 1" = 30'
REDUCED SIZE (11"x17") 1" = 60'



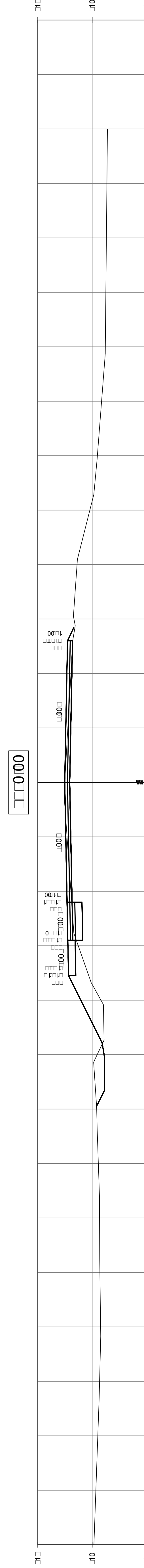
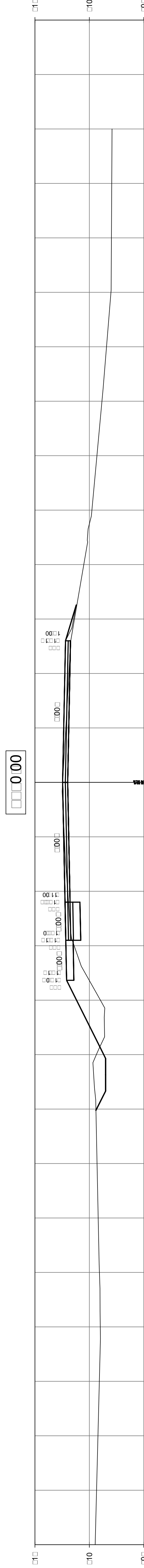
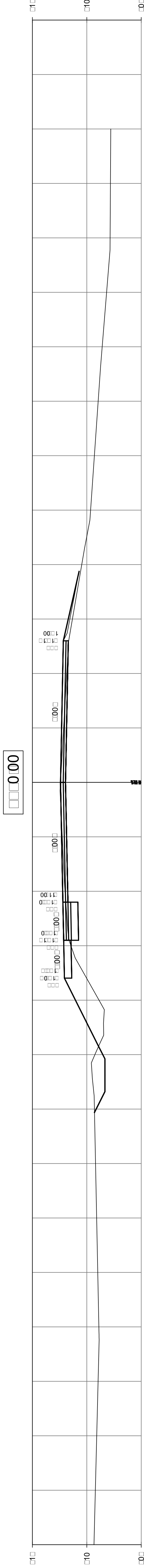
STREAM PROFILE

PROJECT NO. 52623 PROJECT NAME: SNELL RD OVER MCCLURE DRAIN
ENGINEER: SQUAD 2 HERON DR TO BALMORAL WAY
DESIGN PHASE: DESIGN PHASE
SHEET NO.: 20 OF 21
DATE: 03/17/17
PROJECT NO.: 52623
DATE: 03/17/17

CONTROL SECTION
MDOT JOB NO. ###
###



R:0.0000 0.00 0.11 0.10 0.10 0.10



CONTROL SECTION
MDOT JOB NO. ###
###

PROJECT NAME: SNELL ROAD CULVERT
DEQ SUBMITTAL

PROJECT NO. 52623
ENGINEER: SQUAD 2

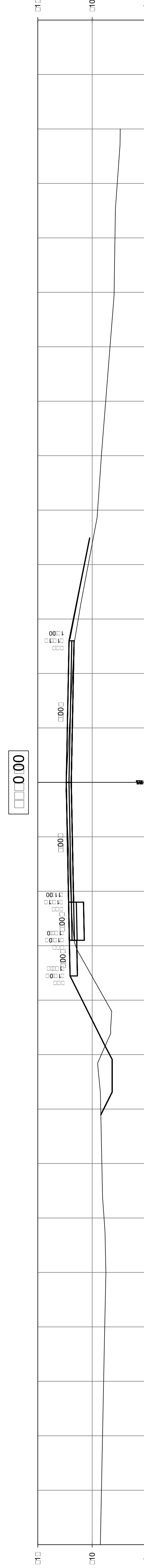
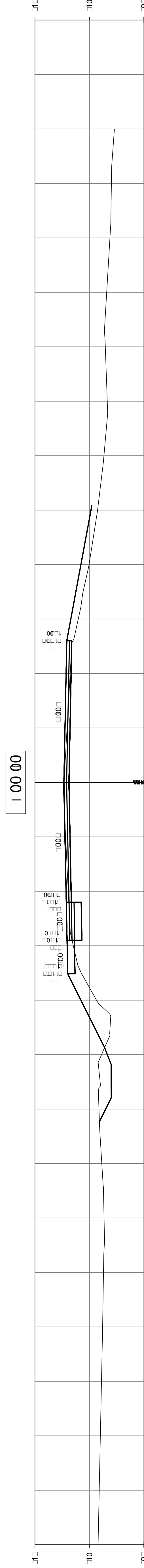
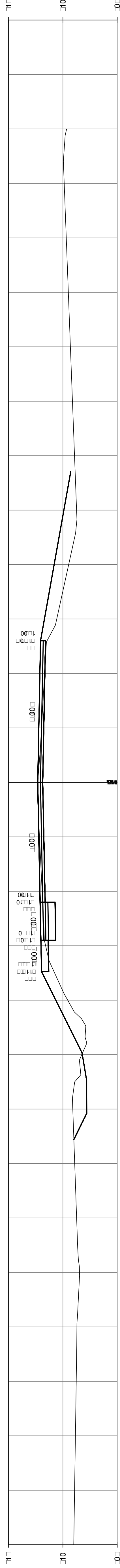
ROAD COMMISSION
for OAKLAND COUNTY
OFFICE OF TECHNICAL SERVICES
10000 RIVERCHURCH BLVD., SUITE 100
ANN ARBOR, MI 48106-1500
PH: 734.246.7000 FAX: 734.246.7001

SECTION SHEET - (1)
SNELL ROAD CULVERT
DEQ SUBMITTAL

DESIGN PHASE
D 0000 00A 00
SHEET NO.
1 000

PROJECT NO.
0000
DATE
10 10 10


R:\D\52623\52623.DWG 1"=10'
R:\D\52623\52623.DWG 1"=10'



CONTROL SECTION
MDOT JOB NO. ###

PROJECT NAME: SNELL ROAD CULVERT
DEQ SUBMITTAL

PROJECT NO. 52623
ENGINEER: SQUAD 2

 <p>ROAD COMMISSION for OAKLAND COUNTY OFFICE OF TECHNICAL SERVICES 10000 RIVERCHURCH BLVD., SUITE 100 ANN ARBOR, MI 48106-1500</p>	PROJECT NO. 000000 DATE 10/10/10	SECTION SHEET - (2) SNELL ROAD CULVERT DEQ SUBMITTAL	DESIGN PHASE D00000 00A00 SHEET NO. 00000
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R:00000 000 011'00" 1' 00"

CONTROL SECTION
MDOT JOB NO. ###
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PROJECT NAME: SNELL ROAD CULVERT
DEQ SUBMITTAL

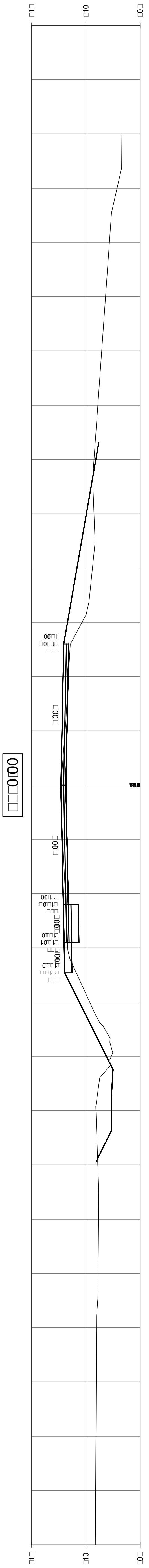
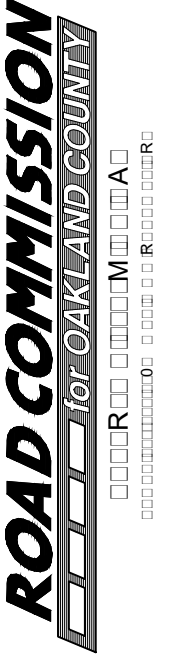
PROJECT NO. 52623
ENGINEER: SQUAD 2

DESIGN PHASE
D 00000 00A 00

SECTION SHEET - (3)
SNELL ROAD CULVERT
DEQ SUBMITTAL

PROJECT NO.
00000

DATE
10 10 10





SHORT FORM APPRAISAL

Snell Road Culvert; Project Number 52623; Parcel 3; Sidwell 10-25-300-007

Property Ownership	Huron-Clinton Metropolitan Authority
Property Location	1588 E. Snell Rd Rochester, MI
Improvements	None affected
Zoning	Regional Park
Highest and Best Use	Residential
Total Area (S.F.)	14,208,542
Total Area (Acre)	326.18
Net Area of Permanent Highway Easement (S.F.)	1,125
Net Area of Temporary Easement (S.F.)	750
Interest Appraised	Fee Simple
Reason for Acquisition or Easement	Road improvement
Method of Appraisal Performed	Value of easements based on the Sales Comparison Approach

No damages to the remainder have been observed by the appraiser.

Value Determination

Unit Value Estimate (S.F.)		\$0.40
Net Area of Highway Easement (S.F.)		1,125
Value of Highway Easement	unitxarea	\$450
Net Area of Temporary Easement (S.F.)		750
Unit Factor (Rate)	1 year lease	0.10
Estimate of Temporary Easement Value		\$30
Trees		\$0

ESTIMATE OF JUST COMPENSATION **\$480**

Certification

I certify that, to the best of my knowledge and belief: the statements of fact contained in this appraisal are true and correct; the analyses, opinions, and conclusions are my personal, impartial, and unbiased professional analyses, opinions, and conclusions; I have no present or prospective interest in the property that is the subject of this appraisal, and no personal interest with respect to the parties involved; I have no bias with respect to the property that is the subject of this report or to the parties involved in this assignment; my engagement in this assignment was not contingent upon developing or reporting predetermined results; I have made a personal inspection of the property and performed no services there within the prior 36 months; no one provided significant professional assistance to the person signing this report.

_____ 2/23/2017
Date

EXHIBIT A

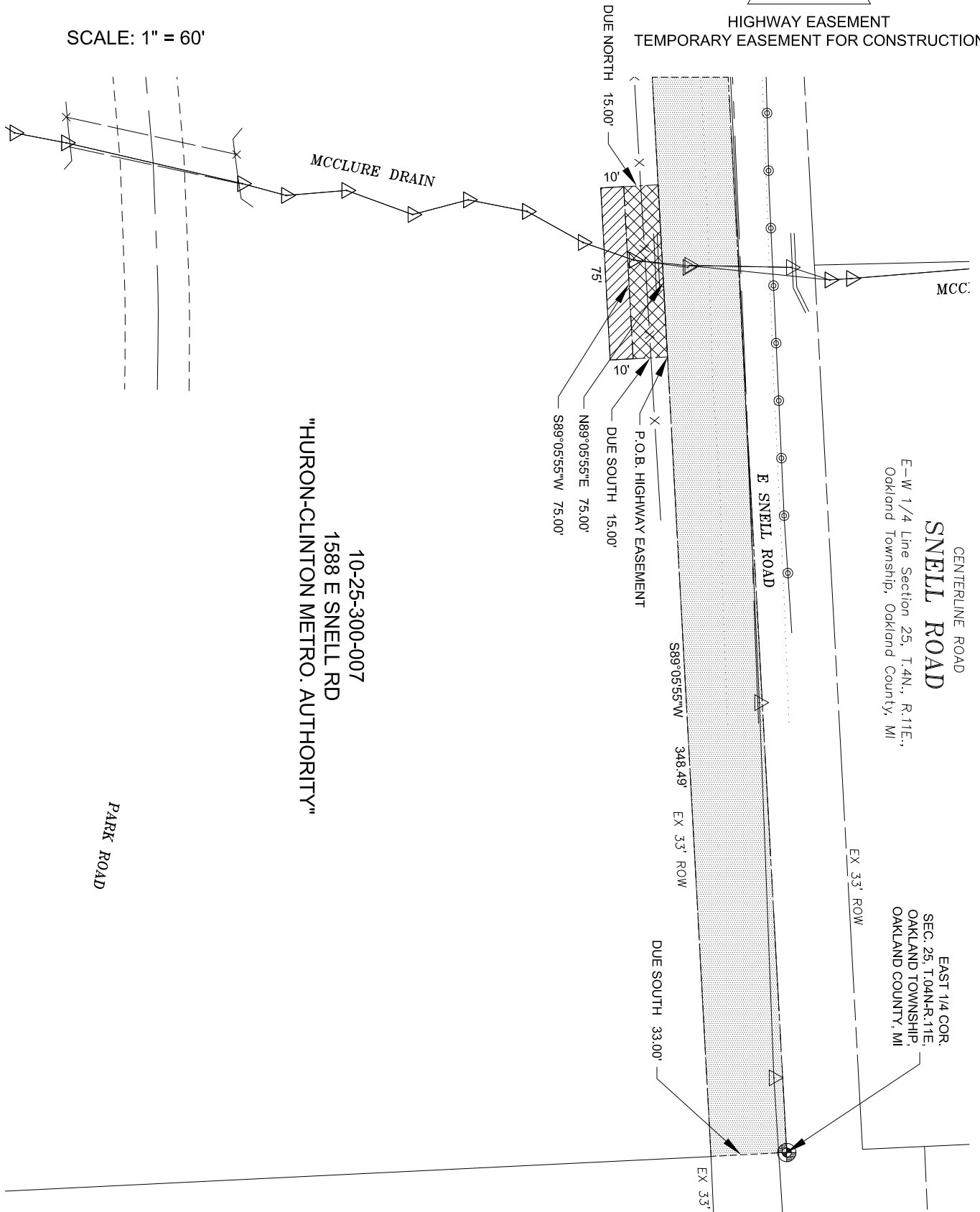
PARCEL 10-25-300-007
1588 E SNELL ROAD



SCALE: 1" = 60'



HIGHWAY EASEMENT
TEMPORARY EASEMENT FOR CONSTRUCTION



LAND AREAS	
PARCEL	= 14,208,542 SFT
EXISTING ROW	= 165,098 SFT
ACQUIRED ROW	= 1,125 SFT
HIGHWAY EASEMENT (TOTAL ROW)	= 166,223 SFT
TEMPORARY EASEMENT	= 750 SFT

- EXISTING HIGHWAY EASEMENT —
- PURCHASED HIGHWAY EASEMENT —
- TEMPORARY EASEMENT FOR CONSTRUCTION —

BEARINGS BASED ON LEASE RECORDED IN LIBER 39258,
PAGE 194 OAKLAND COUNTY RECORDS.



RIGHT OF WAY DIVISION
PHONE: 877-858-4804 WEB: WWW.RCOCWEB.ORG

SNELL ROAD
PARCEL 10-25-300-007

SECTION 25 T.4N., R.11E.,
OAKLAND TOWNSHIP,
OAKLAND COUNTY, MICHIGAN

REV. DATE:	XX-XX-XXXX
DATE:	01-27-2017
PROJECT NUMBER:	52623
DRAWN BY:	RJL
CHECKED BY:	ATP/JOB
SHEET:	1 OF 1

EXHIBIT "B"

Snell Road
Project No. 52623
Parcel 03

Parent Parcel Description

Land in the Township of Oakland, County of Oakland, Michigan, described as follows:

The South $\frac{1}{2}$ of Section 25, Except beginning at the West $\frac{1}{4}$ corner; thence South $89^{\circ}34'00''$ East, 324.13 feet; thence South $00^{\circ}34'00''$ East, 904.62 feet; thence North $84^{\circ}54'00''$ West, 331.18 feet; thence North $00^{\circ}12'32''$ West, 877.59 feet to the Point of Beginning, Town 4 North, Range 11 East, Township of Oakland, Oakland County, Michigan.

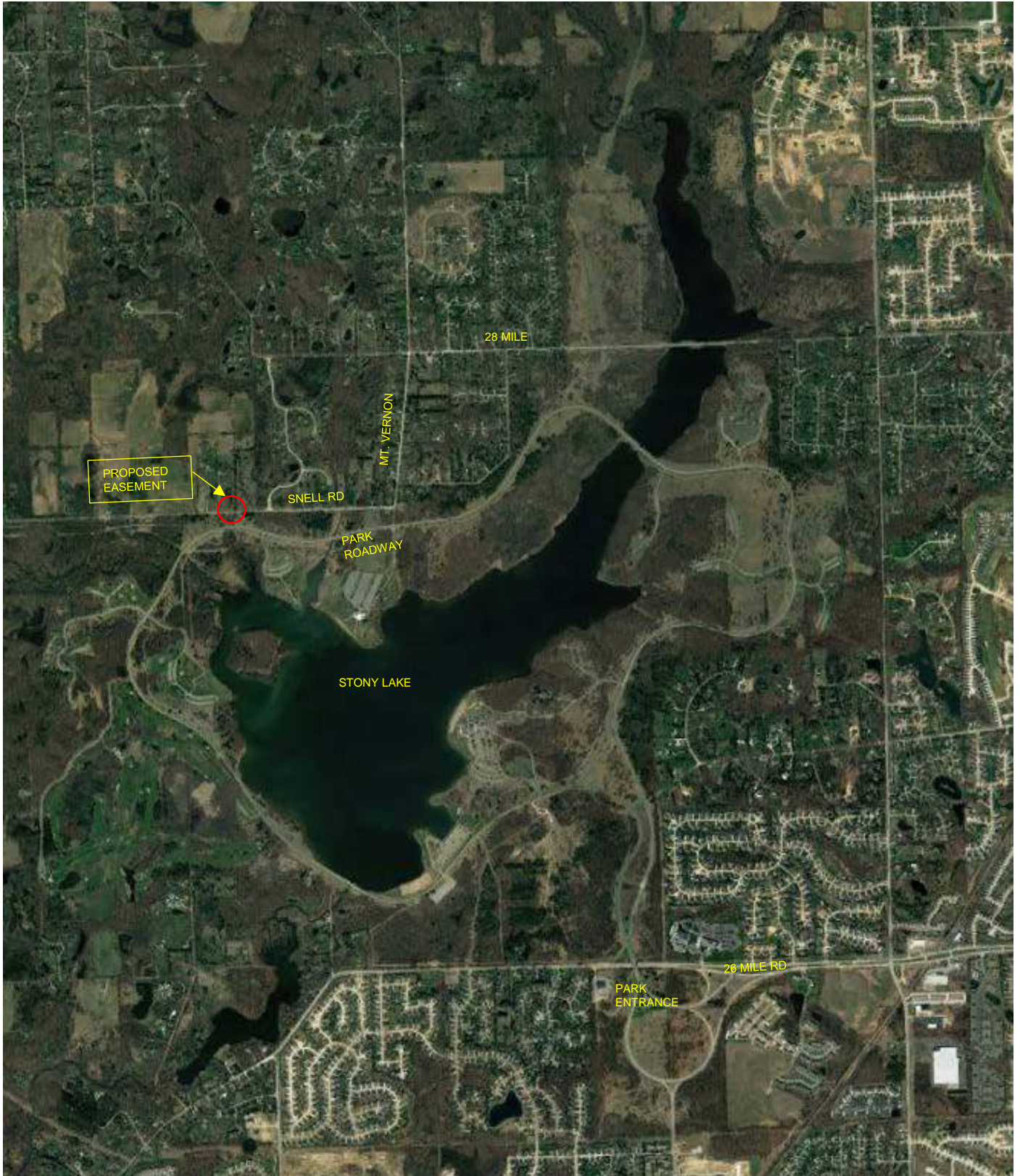
**Highway Easement
Parcel 03**

Land in the Township of Oakland, County of Oakland, and State of Michigan, described as:

Part of the South $\frac{1}{2}$ of Section 25, Town 4 North, Range 11 East, described as commencing at the East $\frac{1}{4}$ corner of said Section 25; thence Due South 33.00 feet; thence South $89^{\circ}05'55''$ West, 348.49 feet; to the point of beginning for **Highway Easement**; thence Due South 15.00 feet; thence South $89^{\circ}05'55''$ West, 75.00 feet; thence Due North 15.00 feet; thence North $89^{\circ}05'55''$ East, 75.00 feet to the point of beginning.

Tax Parcel No. 10-25-300-007
Commonly known as 1588 E Snell Road

Dated: January 24, 2017



TEMPORARY EASEMENT

KNOW ALL PERSONS that **HURON-CLINTON METROPOLITAN AUTHORITY**, a public body corporate organized and operating under the provisions of Act 147, Public Acts of Michigan 1939, as amended (“Grantor”), whose address is **13000 High Ridge Drive, Brighton, MI 48114**, hereby grants to the **BOARD OF COUNTY ROAD COMMISSIONERS OF THE COUNTY OF OAKLAND (“Board”)**, State of Michigan, a public body corporate, located at 31001 Lahser Road, Beverly Hills, Michigan 48025, an easement for a temporary period of time (“Temporary Easement”) in the construction of the **Snell Road Culvert (“Project”)**, being Project Number **52623**, at the following described premises (“Property”) situated in the **Township of Oakland**, County of Oakland, State of Michigan.

Commonly known as: **1588 E. Snell Road, Rochester, MI 48306**
(Part of) Tax Parcel No.: **10-25-300-007**

**SEE PARCEL DRAWING, ATTACHED AS EXHIBIT “A,” AND
LEGAL DESCRIPTION, ATTACHED AS EXHIBIT “B,”
BOTH OF WHICH ARE INCORPORATED BY REFERENCE HEREIN**

This Temporary Easement is conveyed for the sum of **\$30.00** and shall expire at the completion of the Project. The purpose of this Temporary Easement is to grant to the Board the right to move workers, equipment, and materials on, over, and through the Property and to store equipment, material, and excavated matter on the Property. This Temporary Easement includes, but is not limited to, the consent of the Grantor to the removal of any trees, shrubs, and/or vegetation, to grading, to the temporary occupancy of the Property by public utilities, and to other matters which, in the sole discretion of the Board, may be necessary in connection with the Project. Grantor waives further notice of such actions.

The permission stated in this Temporary Easement shall begin on the date the Project begins and shall end on the date the Project is completed. The work described above shall be constructed and/or restored, as may be applicable in the sole discretion of the Board, in a workmanlike manner and in accordance with applicable state and county standards. Upon completion of the work described above, the Board and its agents shall have no further or ongoing responsibilities in relation to the work described.

Drafted by:
Jason C. Benedict
31001 Lahser Road
Beverly Hill, MI 48025

When recorded return to:

SHANNON J. MILLER, CLERK'S OFFICE (OAK04)
THE BOARD OF COUNTY ROAD COMMISSIONERS OF THE COUNTY OF OAKLAND
31001 LAHSER ROAD, BEVERLY HILLS, MI 48025

Project: **Snell Road Culvert** Project No.: **52623**

Parcel No.: **3**

(Part of) Tax Parcel No.: **10-25-300-007**

Recording Fee _____ Revenue Stamps _____

HIGHWAY EASEMENT

KNOW ALL PERSONS that **HURON-CLINTON METROPOLITAN AUTHORITY**, a public body corporate organized and operating under the provisions of Act 147, Public Acts of Michigan 1939, as amended (“Grantor(s)”), whose address is **13000 High Ridge Drive, Brighton, MI 48114**, hereby grants to the **BOARD OF COUNTY ROAD COMMISSIONERS OF THE COUNTY OF OAKLAND** (“Board”), State of Michigan, a public body corporate, located at 31001 Lahser Road, Beverly Hills, Michigan 48025, an easement for all public highway purposes (“Highway Easement”) and to construct, operate, maintain, repair, and/or replace roadways, utilities, and other infrastructure improvements in, over, under, upon, and through the following described premises (“Property”) situated in the **Township of Oakland**, County of Oakland, State of Michigan.

Commonly known as: **1588 E. Snell Road, Rochester, MI 48306**
 (Part of) Tax Parcel No.: **10-25-300-007**

**SEE PARCEL DRAWING, ATTACHED AS EXHIBIT “A,” AND
 LEGAL DESCRIPTION, ATTACHED AS EXHIBIT “B,”
 BOTH OF WHICH ARE INCORPORATED BY REFERENCE HEREIN**

This Highway Easement includes, but is not limited to, the consent of the Grantor to the removal of any trees, shrubs, and/or vegetation, to grading, to the occupancy of the Property by public utilities, and to other matters which, in the sole discretion of the Board, may be necessary in connection with all public highway purposes and the construction, operation, maintenance, repair, and/or replacement of roadways, utilities, and other infrastructure improvements in, over, under, upon, and through the Property. Grantor waives further notice of such actions.

This Highway Easement runs with the land and shall bind the Grantor and the Grantor’s heirs, representatives, successors, and assigns. This Highway Easement contains the entire understanding of the Grantor and the Board, and there are no other verbal promises between the Grantor and the Board except as shown herein.

WHEREFORE, upon approval by the Board, the undersigned Grantor hereby creates, confirms, and conveys the Highway Easement described herein for the sum of **\$450.00**.

HURON-CLINTON METROPOLITAN AUTHORITY,
*a public body corporate organized and operating under
the provisions of Act 147, Public Acts of Michigan 1939,
as amended*

By: _____

Print name

Its: _____

COUNTY OF OAKLAND)

) **SS**

STATE OF MICHIGAN)

On this _____ day of _____ 2017, _____
executed the foregoing document before me and, being duly sworn, stated that he/she is
the _____ of **HURON-CLINTON METROPOLITAN
AUTHORITY**, a public body corporate organized and operating under the provisions of
Act 147, Public Acts of Michigan 1939, as amended, and that he/she executed the
foregoing document on behalf of **HURON-CLINTON METROPOLITAN AUTHORITY**, a
public body corporate organized and operating under the provisions of Act 147, Public
Acts of Michigan 1939, as amended with its full authority and as its free act and deed.

Notary Public

My commission expires: _____

_____ County, Michigan

Acting in the County of _____

Drafted by:
Jason C. Benedict
31001 Lahser Road
Beverly Hill, MI 48025

When recorded return to:

SHANNON J. MILLER, CLERK'S OFFICE (OAK04)
THE BOARD OF COUNTY ROAD COMMISSIONERS OF THE COUNTY OF OAKLAND
31001 LAHSER ROAD, BEVERLY HILLS, MI 48025

Project: **Snell Road Culvert** Project No.: **52623** Parcel No.: **3**

(Part of) Tax Parcel No.: **10-25-300-007**

Recording Fee _____ Revenue Stamps _____



HURON-CLINTON METROPOLITAN AUTHORITY

To: Board of Commissioners
 From: George Phifer, Director
 Subject: Approval – Michigan Council for Arts & Cultural Affairs Grant Application
 Location: Kensington Metropark
 Date: June 1, 2017

Action Requested: Motion to Approve

That the Board of Commissioners' approve the grant application to the Michigan Council for Arts & Cultural Affairs (MCACA) for a grant of \$15,750 towards the 2018 Michigan Philharmonics concerts at the Metroparks as recommended by Director, George Phifer and staff.

Fiscal Impact: this is an additional revenue source.

Background: Michigan Philharmonic concerts at the Metroparks has become a popular annual event. In 2017, each performance will cost the HCMA \$21,500 and associated expenses related to set-up, visitor amenities and promotions.

MCACA provides a competitive grant program that provides support for the production, presentation and creation of arts and culture programs to communities and citizens of Michigan. They are especially interested in funding quality arts and cultural programs to counties that they recognize as underserved in arts programs and resources. Livingston County is the only county under the Metroparks purview that is considered underserved.

Grants from MCACA require a one-to-one cash match, which can consist of monies received through other grants and sponsorships. They also require that the grant application receive approval from the requesting organization's governing board.

Upon approval by MCACA, the Metroparks would receive \$15,750 while agreeing to spend the same towards hosting a performance by the Michigan Philharmonic at Kensington Metropark in July 2018.

Attachment: MCACA Grant Application

Application ID: 440801

Grant Applications Program
 Section 1: APPLICANT
 INFORMATION
 (*Required fields)

Before preparing the application, please read the guidelines and application instructions. Once you have submitted this application electronically, an Acknowledgement will be emailed to you indicating receipt of your application. If you do not receive this acknowledgement, contact the Council offices at 517-241-4011. Authorized by Executive Order 1991-21.

*Name: Huron-Clinton Metropolitan Authority

Dept: _____

*Address 1: 13000 High Ridge Drive

Address 2: _____

*City: Brighton *State: MI *Zip: 48114-9058

*County: Livingston *Federal I.D. number: 38-6005602

*DUNS: 07-423-3917 (Dun & Bradstreet Number)

Other common name: Metroparks

*Telephone: 8102272757

Website (URL): www.metroparks.com

Office hours: 8:00 a.m. To 4:00 p.m.

*Authorizing official or board designee
 (cannot be same as proj. dir.): George Phifer

*Authorizing official's email: george.phifer@metroparks.com

*Authorizing official title: Director

Board chairperson: recently vacated

Board chairperson title: _____

*Status: Government - Regional

*Institution: Parks and Recreation

*Discipline: Orchestral; includes symphonic and chamber orchestra

Section 2: PROGRAM
AREA
(*Required fields)

Please choose a program area.

*Choose one: PS

Section 3: PROJECT
INFORMATION
(*Required fields)

*Category: AC

CONTACT PERSON'S INFORMATION

*Project Director (cannot be same as auth. off.): Michelle Nichols

*Title: Grant Writer

Address 1: HCMA - Administrative Office

Address 2: 13000 High Ridge Drive

City: Brighton State: MI Zip: 48114-9058

*Business telephone: 810-494-6012

Alternate telephone: _____

Fax number: 810-227-8610

*Email address: michelle.nichols@metroparks.com

*Project/activity title: Michigan Philharmonics at Kensington Metropark

*Request amount: \$15750 *Start date: 02/04/2018 *End date: 08/31/2018

*Project's primary discipline: Orchestral; includes symphonic and chamber orchestra

*Type of activity: Concert/Performance/Reading

Project Description:

This project will bring the full Michigan Philharmonics orchestra to Kensington Metropark, which straddles Livingston and Oakland counties, for a dynamic, themed outdoor concert. The concert will take place near the scenic Kent Lake shoreline and be free to the public (vehicle pass required for vehicles entering the park). Audience members will be able to interact with the musicians before and after the concert.

*Project Primary Counties - enter all that apply:

Please format your answers in alphabetical order as County; County; etc.

Livingston; Oakland

***ARTS EDUCATION:** Choose one that describes the project activities for which support is requested.

None of this project involves arts education

Section 4: SUMMARY
INFORMATION
(*Required fields)

Section 4a: Project Participation Summary

(this information should represent your projections and estimates for the entire grant period)

*Total number of Michigan artists directly involved: 55

*Total paid to Michigan artists: \$25000

*Total number of artists directly involved: 55

*Total paid to artists: \$25000

Adults and Youth Engaged in "In-Person" Arts Experiences: Enter the number of people who directly engaged with the arts, whether through attendance at arts events or participation in arts learning or other types of activities in which people were directly involved with artists or the arts. Do not count individuals primarily reached through TV, radio or cable broadcast, the Internet, or other media. Include actual audience numbers based on paid/free admissions or seats filled. Avoid inflated numbers, and do not double-count repeat attendees.

*Adults engaged: 1700

*Children/Youth (under age 18) engaged: 300

*Total number of new hires: 9

*Total number of employees: 516

For Capital Improvement Projects Only:

Total number of contracted Michigan workers involved in project: _____

Amount paid to contracted Michigan workers involved in project: \$0

Total number of contracted workers involved in project: _____

Amount paid to contracted workers involved in project: \$0

Population Benefited by Race / Ethnicity: (select all that apply)

_____ American Indian/Alaska Native

_____ Asian

_____ Black/African American

_____ Hispanic/Latino

_____ Native Hawaiian/Other Pacific Islander

White

_____ No single racial/ethnic group made up more than 25% of the population directly benefited

Population Benefited by Age: (select all that apply)

_____ Children/Youth (0-18 years)

_____ Young Adults (19-24 years)

Adults (25-64 years)

_____ Older Adults (65+ years)

_____ No single age group made up more than 25% of the population directly benefited

Population Benefited by Distinct Groups: (select all that apply)

_____ Individuals with Disabilities

_____ Individuals in Institutions

_____ Individuals below the Poverty Line

_____ Individuals with Limited English Proficiency

_____ Military Veterans/Active Duty Personnel

_____ Youth at Risk

No single distinct group made up more than 25% of the population directly benefited

Section 4b: AMERICANS WITH DISABILITIES ACT (ADA) INFORMATION

Are your facilities and PROGRAMS accessible to persons with disabilities?

Has an ADA evaluation of your organization's facilities and programs been conducted?

If yes, give date completed: 09/26/2016

_____ Are staff members informed and trained in access issues?

Section 7: REQUIRED DOCUMENTS

(*Required fields)

All sections of the Application form must be completed.

ATTACHMENTS

*Attachment 1:

NarrativeHuronClintonMetropo.pdf

Attachment 2:

BudgetHuronClintonMetropolit.pdf

Attachment 3:

HistoryHuronClintonMetropoli.pdf

Attachment 4:

BiosHuronClintonMetropolitan.pdf

Attachment 5:

DemographicsHuronClintonMetr.pdf

Attachment 6:

AssurancesHuronClintonMetrop.pdf

Attachment 7:

Sample1SponsorshipMaterial20.pdf

Attachment 8:

Attachment 9:

Attachment 10:

PLEASE NOTE: This report does not confirm the accuracy of the grant application, materials uploaded or that it will receive funding. The Council is not responsible for incorrectly uploaded materials or the inability to open attachments. The Michigan Council for Arts and Cultural Affairs reserves the right to retain a copy of application materials for archival purposes and its permanent record.

All application materials are public records. Keep a complete copy of your application for your file. To print a copy of this form return to the [Main Menu](#) of the eGrant System and click the "View" button for the form you just completed. If there is more than one report format available you will need to choose the appropriate link to download your report.

If you have any questions, please contact the Michigan Council for Arts and Cultural Affairs at 517-241-4011.

Thank you.

PROJECT NARRATIVE

Artistic/Cultural Merit

Through this project the Michigan Philharmonic will perform an outdoor, orchestral concert at Kensington Metropark in southeast Michigan. The program has three key goals: 1) to expand the appreciation and audience for classical music; 2) to provide an easy and inexpensive way for individuals and families to view a live classical music performance; and 3) to showcase the Metropark to visitors attending the performance. Under the direction of Nan Washburn, the Michigan Philharmonic (<http://www.michiganphil.org>) has sought to foster excellence and innovation in the performance of orchestral music and has garnered six American Society of Composers, Authors and Publishers awards over the years.

For the past five years the Metroparks have partnered with the Michigan Philharmonic to bring concerts to the parks. Concerts themes have ranged from The Beatles to *Star Wars* and have delighted audiences that gather to watch. Attendees not only experience the music, but are introduced to some classical music principles to garner a greater appreciation of the genre. They will also have the opportunity to interact with the musicians. The concerts are free to the public, however vehicles entering the park must have a vehicle permit (daily vehicle permits are \$10; an annual permit is \$35).

For many people, classical music is characterized as too highbrow, inaccessible, or unconnected to them personally. Bringing classical music to a public space introduces it to a wider audience while demonstrating the range and depth of a symphonic experience. The park venue will allow for a complete social experience, providing the audience with opportunities to meet the artists, watch the musicians set up and take down, and enjoy park amenities. They will not need to worry about what they are wearing, whether their children will sit quietly, or the necessity of traveling to a more urban locale.

Community Impact

Due to the popularity of previous concerts, in 2017 the Michigan Philharmonic performances at the Metroparks are being expanded from two to four parks with approximately 7,000 visitors in total expected to attend. As the partnership with the Michigan Philharmonic has progressed, the burden of costs for the concerts have been almost entirely shifted to the Metroparks. The Metroparks Foundation has been working to find sponsors to alleviate the financial burden and help underwrite the cost of the concerts. To date, \$25,000 in funding has been received for the four 2017 concerts. Additional revenue options are being explored including having external food and beverage vendors present during the performance.

For the MCACA project, Kensington Metropark, one of the largest and most popular of the parks, was selected as the concert venue. Kensington Metropark is very accessible, located right off of Interstate-96, and crosses the Livingston/Oakland county line about forty miles northwest of Detroit. With over 4,500 acres Kensington offers a vast assortment of recreation opportunities in its woodlands, wetlands, lakes, and rivers. The plan is for the concert to take

place on a Saturday evening in July at Kent Lake’s Maple Beach. This location features areas for picnicking, nearby trails, a playground, beautiful scenic vista, and unique natural features.

Kensington Metropark receives nearly two million visitors each year, mainly from Livingston and southern Oakland counties. Orchestral concerts at Kensington have been popular. People from all walks of life and with variable levels of classical music appreciation come for the sheer pleasure of the experience. The informal setting of blankets, lawn chairs, and coolers in this grassy “auditorium” offers a way for strangers to bond. None of the nearby cities (Brighton, Highland, Howell, Milford, Pinckney, South Lyon, Whitmore Lake, or Hamburg) have a community symphony orchestra.

Numerous organizations make special arrangements to attend the concert including senior living facilities and the Michigan Council of Hosteling International, who organize the “Paddle to the Symphony” that has become a celebration of southeast Michigan outdoor enthusiasts for Friends of Hosteling International-Michigan and SOLAR Outdoors. Open to everyone to enjoy, “Paddle to the Symphony” celebrates an outdoor activity with a cultural experience.

Implementation/Management

Event Timeline:

Oct. 2017	Contact Michigan Philharmonics to secure performance date and manage event specifics.
Nov. 2017 – Apr. 2018:	Research and submit event sponsorship and grant applications.
Feb. 2018	Secure food vendors, arts programs, and others to participate.
Mar. – May 2018:	Design graphics for promotional materials and signs.
May – June 2018:	Printing of promotional materials and signs.
June 2018:	Send out email to mailing list to promote event.
May – July 2018:	Promotions on website and social media posted.
June 2018:	Banners displayed at park; press releases sent to local media.
July 2018:	Stage, vendor, arts programs, and VIP tent set up by 4:00 p.m.
July 2018:	Philharmonics concert performance (7:30 p.m. – 9:00 p.m.).

Event Promotions:

The Concert Series will be featured on the Metroparks website homepage (see www.metroparks.com) and events calendar as well as through several of its social media venues. Press releases will be sent to local and regional news sources and an email will publicize the event to the Metroparks mailing list recipients. Banners will be created and posted at the park entrances several weeks prior to the event. The Michigan Philharmonic has also been promoting the event through their website and through WRCJ Classical Radio 90.0 FM. Event underwriters and sponsors are offered recognition opportunities at their preference (see attached sponsorship flyer for more information).

Project Evaluation:

Evaluation of the event will be based on project objectives and will compare attendance figures from past orchestral performances at Kensington with the 2018 Philharmonic performance. The event evaluation will also compare overall expenses to covered expenses through grants, sponsorships, and vendor receipts.

Accessibility Plan:

As a public park, Kensington Metropark is working toward complete accessibility for all of its visitors. The planned concert venue location, near Maple Beach, can be accessed by a paved pathway and handicap parking is located nearby. To accommodate the anticipated audience, portable restrooms, including ADA accessible ones, will be placed along a walkway.

Staff Qualifications:

Overall execution of the Philharmonics project is coordinated by Hilary Simmet, Community Relations Specialist for the Metroparks. Hilary has over nine years of experience planning and implementing a variety of largescale events. Her most recent effort is the new Kensington Art Fair where over seventy-five artisans will be participating over the Memorial Day weekend.

Revenue and Expense Itemization Template

Income

Revenue Earned	Cash	Totals
Ticket sales/Admissions		
Tuition		
Contracted Services		
Total Earned Revenue		\$ 0
Revenue - Unearned		
Corporate, Foundation, Private Support		
Corporate Support		
Meijer - projected	5,000	
Foundation Support		
AARP - projected	10,000	
Private Support/contributions		
		\$ 15,000
Other unearned revenue		
Memberships		
Sales		
Rental income		
Vendor Receipts- projected	750	
Applicant cash		\$ 750
Total Unearned Revenue		\$ 15,750
InKind revenue		
Itemized in expense column	\$ 4,275	
MCACA grant received to date		
MCACA grant due/request	15,750	
Total Cash Revenue		\$ 31,500
Total Project Revenue		\$ 35,775

If you have additional revenue and expenses that do not fit on this itemized template, please add a supplemental page.

Expenses	Cash	In-Kind	MCACA share	Total
Employee expenses				
Project Coordinator		2,115		
Graphics Design		1,650		
Promotions		510		
				\$ 0
Non-employee costs				
Philharmonic - musicians, stage, sound, etc.	25,000		12,500	
Generator	1,500		750	
Lights	3,000		1,500	
Port-a-johns	2,000		1,000	
				\$ 31,500
Capital expenses				
				\$ 0
	\$ 31,500	\$ 4,275	\$ 15,750	
Total Expenses				\$ 35,775

If you have additional revenue and expenses that do not fit on this itemized template, please add a supplemental page.

PROJECT HISTORY AND GOVERNING BOARD

The Huron-Clinton Metropolitan Authority (HCMA) operates one of the nation's largest regional park systems serving residents of a five county area – Livingston, Macomb, Oakland, Washtenaw and Wayne counties – along the Huron and Clinton river systems in southeast Michigan. Home to over half of the State's population, the region served by the Metroparks includes Detroit and the greater Detroit metropolitan area as well as cities of Ann Arbor, Pontiac, and Ypsilanti. The HCMA's Metroparks provide a natural oasis from urban and suburban life and educate the public on environmental issues through its Interpretive Centers' outreach initiatives.

Since its inception the HCMA has developed a greenbelt of thirteen parks encompassing nearly 25,000 acres of land for recreation, education, and preservation purposes enhancing the quality of life for residents of the region. These parks offer four seasons of exceptional outdoor recreation, host on average about eight million visitors each year, and manage over 19,000 acres of undeveloped land throughout the park system. The HCMA seeks to protect and restore significant elements of natural diversity while balancing ecological stewardship with compatible recreational uses. This diversity is evident by the more than forty threatened and endangered species flourishing in the parks including healthy populations of the rare eastern massasauga rattlesnake, one of only two known mullein foxglove populations in Michigan, and nesting bald eagles.

The Metroparks Interpretive Centers educate the public on nature, environmental processes, and cultural history. Combined together, these Interpretive Centers connected with 1.47 million visitors in 2016 through their educational programs and events. The parks work to bring new experiences and entertainment to communities in southeast Michigan. Nearly every month throughout the year has some type of cultural or artistic event scheduled. For example, the May cultural activities include the upcoming Kensington Metropark Art Fair, Lake Erie Metropark LENS CAP photography program, and Wolcott Mill Metropark Sheep Shearing and Fiber Fair where artisans demonstrate weaving, spinning, and felting.

Board of Commissioners

Timothy J. McCarthy, of Grosse Pointe, serves as one of two Governor Appointees on the Huron-Clinton Metroparks Board of Commissioners. He retired from Soave Enterprises where he served in a variety of senior operational and financial administration capacities. Mr. McCarthy currently serves as a non-executive Chairman of Soave Enterprises Transportation Group. Active in civic and community affairs, Commissioner McCarthy is a past chair of the Detroit Metro Convention and Visitors Bureau where he still serves as a member of the executive committee. He is past Vice-Chairman of the Detroit Regional Chamber and a former member of the Transportation Advisory Council of the Southeast Michigan Council of Governments. He currently serves on the Blue Cross Blue Shield of Michigan Council II, which interviews and recommends individual BCBSM policyholders for membership on the BCBSM

Board of Directors. He also serves as a member of the Board of Directors and chairs the audit committee of AF Group, Inc., a national insurance company.

Kurt L. Heise of Plymouth, recently replaced outgoing Commissioner John Hertel as the second Governor Appointee. He currently serves as Township Supervisor for the Charter Township of Plymouth. Mr. Heise has over twenty-five years of experience as a municipal, labor, and environmental attorney in the metropolitan Detroit area where he represented Wayne County on all matters impacting the Detroit Water and Sewer Department and the Rouge River Watershed before the Federal Court, EPA, and MDEQ. He recently stepped down from his position as State Representative for the 20th House District where he sponsored forty laws and served as Chair of the House Criminal Justice Committee, Vice Chair of the House Judiciary Committee, and Co-Chair of the Michigan Human Trafficking Commission. Mr. Heise serves as Trustee of the Plymouth-Canton Educational Foundation.

Representing Livingston County, Steve Williams of Pinckney, is a twelve year member of the Livingston County Board of Commissioners, was a Livingston County delegate on the Southeast Michigan Council of Governments' Executive Committee for ten years, and served on several SEMCOG committees. He also served as a Michigan Counties Workers Compensation Fund trustee for four years and was active with the Michigan Association of Counties. Commissioner Williams' national public service began at age twenty-two when he was commissioned into the United States Army as a Second Lieutenant. Williams rose to the rank of Lieutenant Colonel before retiring after twenty-eight years of continuous service as a communications officer, political/military intelligence analyst, and counter-terrorism analyst. Williams commanded five units, was deployed overseas several times, and earned the Army Meritorious Service Medal and two Defense Meritorious Service Medals among other awards. Commissioner Williams also has over twenty years manufacturing industry experience and has worked in dozens of General Motors, Ford, Chrysler and supplier facilities in the United States and overseas.

John Paul Rea of Washington Township, is the new Board member appointed to represent Macomb County. Mr. Rea is the Director of the Planning and Economic Development Department of Macomb County. He is on the Board of Directors for the Suburban Mobility Authority for Regional Transportation as one of two Macomb County representatives. Mr. Rea has also been an active part of the Southeast Michigan Council of Governments sitting on various committees.

Representing Oakland County, Jaye Quadrozzi of Beverly Hills, is an attorney with more than fifteen years' experience. She's a commercial litigator who represents companies in complex, commercial matters in both federal and state courts throughout the country. She is a member of the Michigan, Illinois, and California state bars and has been admitted to numerous federal courts including the Eastern District of Michigan, the Northern District of Illinois, the Northern and Southern Districts of California and the Southern District of New York. Martindale Hubbell, an attorney rating agency, has awarded Ms. Quadrozzi the top ranking of AV Preeminent, demonstrating that her peers rank her at the highest level of professional excellence.

Representing Washtenaw County, Robert W. Marans of Ann Arbor, is a research professor at the Institute for Social Research and an emeritus professor of architecture and urban planning both at the University of Michigan. Dr. Marans is a licensed architect who conducts research on buildings, neighborhoods, housing, parks, and the contributions of each to the quality of life for different population groups. He has written extensively on these topics and has lectured at universities and to civic groups all over the world. He serves on the editorial boards of several journals and has been a consultant to the United Nations, the World Health Organization, the Tennessee Valley Authority, and the National Science Foundation. Dr. Marans has been a member of several other committees including the National Academy of Science Committees and a committee addressing the Assessment of Demand for Outdoor Recreation. He's a charter member and president of the Washtenaw County Parks and Recreation Commission and currently serves on the board of the Detroit Riverfront Conservancy.

Representing Wayne County, Bernard Parker of Detroit, served as a Wayne County Commissioner for twenty-two years. In that role, he successfully generated funding that resulted in the creation of Chandler Water Park and a state of the art juvenile detention facility. Mr. Parker was appointed by Congress to serve on the Federal Reserve Board Advisory Committee for three years, making recommendations on policies and investments that affected Detroit. He chaired the Ways and Means Committee, providing funding for youth crime prevention programming, neighborhood stabilization, and the renovation of over one hundred parks in Detroit. As the president of Detroit Fair Banking Alliance, Mr. Parker negotiated with banks to initiate a \$1.4 billion consumer lending program. As a member of the Airport Authority, he worked to increase contracts for small businesses at Detroit Metropolitan Airport by 30%. In 1971, he co-founded *Operation Get Down*, a residential substance-abuse treatment, mental health, and homeless and transitional housing facility, and served as the Executive Director for over thirty years. He is owner of BP4 consulting service for non-profit organizations, founder and CEO of Magnum Educational Management Company (for Timbuktu Academy of Science and Technology, an African-centered, public charter school in Detroit) and co-founder of Midwest Foods, a vegetable canning company that provides canned goods to communities and food banks.

STAFF, PROJECT AND ARTIST BIO**Staff Bio - Project Coordinator**

Hilary Simmet is the Community Relations Specialist for the Huron-Clinton Metropolitan Authority (HCMA). In this position she organizes community outreach events including logistics, promotions, set-up/teardown, securing event workers, and building and maintaining relationships with event organizers. She is also responsible for creating and managing content for all HCMA social media channels. In her capacity as Community Relations Specialist, Ms. Simmet has coordinated previous Philharmonics at the Metroparks, Heritage Holidays at Wolcott Mill Metroparks, and many others including the new Kensington Art Fair opening over Memorial Day weekend. In her previous position with the March of Dimes Foundation, Ms. Simmet was responsible for the development and execution of two major fundraising events each year, managing all operational aspects and keeping event expenses under fifteen percent of project revenue.

Artist Bio – Music Director and Conductor

Nan Washburn is in her eighteenth season as the Music Director and Conductor of the Michigan Philharmonic. During her musical career she has conducted throughout the United States and has been featured in both national and regional media. She was co-founder, Artistic Director, and Associate Conductor of the Women’s Philharmonic of San Francisco where she became a recognized authority and advocate for orchestral works of women composers. She has also brought a multicultural element into the Philharmonic’s programs. Ms. Washburn has received numerous awards and honors including the recent American Prize Ernst Bacon Memorial Award for Performance of American Music, professional division, 2016, winner of The American Prize in Orchestral Conducting, professional division 2013, and nineteen American Society of Composers, Authors and Publishers (ASCAP) awards for Adventurous Programming from the League of American Orchestras.

Orchestra Bio – Michigan Philharmonic

In its 71st Season the Michigan Philharmonic, previously known as the Plymouth Symphony and Orchestra Canton provides cultural and educational programs in southeast Michigan (see www.michiganphil.org). It also sponsors the Michigan Philharmonic Youth Orchestra to engage young players to develop their talent. Under the leadership of Nan Washburn, the Michigan Philharmonic has received national recognition including six ASCAP Awards, several grants from the Knight Foundation, and 2nd Place honors from The American Prize, professional orchestra division.

DEMOGRAPHICS

Over 8 million visitors across southeast Michigan and beyond are served annually by the Huron-Clinton Metroparks. Since the Metroparks are open to everyone, demographic data is generally not collected unless required for a particular program. Overall demographics would follow regional census data for southeast Michigan as outlined below.

Ethnicity: White 68%, Black 22%, Asian 4%, Hispanic 4%, other 2%.

Age: under 18 – 23%, ages 18-64 – 62%, 65 and older – 15%.

Households in poverty: 13%.

The thirteen individual Metroparks are located in Livingston (1), Macomb (2), Oakland (1), Washtenaw (3), and Wayne (4) counties with two additional Metroparks straddling two counties (Livingston/Oakland and Oakland/Macomb). The vast majority of visitors to the Metroparks come from across southeast Michigan.

For programs targeting specific underserved groups, the Metroparks staff does an excellent job reaching out to various organizations that serve low-income communities. For example, for a current PNC grant targeting underserved preschoolers, Metroparks staff reach out to schools based on income levels where at least half of the children at the school are eligible for the National School Lunch Program. Similarly, the Summer Fun at the Metroparks program targets underserved youth and seniors, and Metroparks staff reach out to non-profit organizations whose mission it is to provide services for low-income groups, particularly in urban areas.

The Huron-Clinton Metropolitan Authority is in the midst of preparing Master Plans for each Metropark. Five Master Plans have been completed to date, including one for Kensington Metropark. At each park, two public meetings, an online survey, and hardcopy questionnaires are utilized to gain public input which is then considered as a critical component when developing both short and long term plan recommendations.

Michigan Council For Arts and Cultural Affairs ASSURANCES

A: The applicant has an established policy of equal opportunity without regard to race, color, religion, national origin, age, sex or disability. The applicant agrees to take steps necessary to correct any under-representation reported on the status report and achieve a reasonably representative work force at all levels of employment. The applicant has an established policy to provide equal opportunity on all programs, activities and services.

The applicant:

1. Agrees in all recruiting materials and advertisements to state that all job applicants will receive equal consideration for employment;
2. Agrees in all promotional materials and advertisements to state that all programs, activities and services will be provided equally; and
3. Agrees to post in conspicuous places, notices setting forth the law on equal opportunity in employment and public accommodations.

B: If the grant is awarded, the applicant warrants and represents to the Michigan Council for Arts and Cultural Affairs, that the support funds will be administered by the applicant.

C: Any funds received under this grant shall not be used to supplant funds formally budgeted for same and that funds received will be used solely for the contracted activities.

D: The applicant has read and will conform to the Guidelines.

E: The filing of this application by the undersigned, officially authorized to represent the applicant organization has been duly approved by the governing board of the applicant organization.

- o This application was approved by the governing board on _____
- o This application is scheduled to be approved by the governing board on June 8, 2017

If the application has not yet been approved by your governing board, notify the Council of the action taken as soon as possible.

If the notification of action by your governing board is not received prior to panel review, the application may not be recommended for funding.

Organization name: Huron-Clinton Metropolitan Authority

Grant Program: Project Support Grant

Authorized Official: (Cannot be the Project Director)

Name (typed) George Phifer Date 5/24/17

Signature:  5-25-17



HURON-CLINTON METROPOLITAN AUTHORITY

To: Board of Commissioners
 From: Mike Brahm-Henkel, Manager of Engineering
 Project No: 710-17-177
 Subject: Report – Correction to Willow Culvert Repair
 Date: June 1, 2017

Action Requested: Motion to Receive and File

That the Board of Commissioners' receive and file the report on the Willow Metropark Culvert Repairs as recommended by Manager of Engineering and staff.

Fiscal Impact: Update to project cost in the amount of \$10,106.

Background: At the May 11, 2017 Board meeting, staff received approval to repair the Willow golf course culvert in the amount of \$60,992.

As part of the bid, there was a deductive alternate for the type of culvert pipe to use on the project in the amount of 10,106. The deductive alternate was mistakenly subtracted twice from the cost. The cost of the project should have been \$71,098. This did not change the bidding order; the second bid total was \$73,329.00.

Attachment: Bid Tab with Correction

HURON-CLINTON METROPOLITAN AUTHORITY
 13000 HIGH RIDGE DRIVE
 BRIGHTON, MICHIGAN 48114

TABULATION OF BIDS
BID OPENING @ 2:00 P.M., WEDNESDAY APRIL, 26 2017
 Emergency Culvert Replacement
 Project Number 710-17-177
 Willow Metropark

ITEM	QUANTITY	UNITS	1		2		AMOUNT
			UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	
1	1	LS	\$15,500.00	\$15,500.00	\$27,600.00	\$27,600.00	
2	56	LF	\$774.00	\$43,344.00	\$701.50	\$39,284.00	
3	210	CYD	\$45.00	\$9,450.00	\$40.25	\$8,452.50	
4	6	TON	\$135.00	\$810.00	\$172.50	\$1,035.00	
5	110	SYD	\$110.00	\$12,100.00	\$63.25	\$6,957.50	
SUB TOTAL				\$81,204.00		\$83,329.00	

1
 DP Schwehofer Excavating
 1409 Fred Moore Hwy
 St Clair, MI 48079
 P) 810-637-8979
 Email: er@dpschwehofer.com

2
 Anglin Civil
 13000 Newburgh Road
 Livonia, MI 48150
 P) 248-397-4200
 Email: parker.demont@anglincivil.com

DEDUCT ITEM	QUANTITY	UNITS	AMOUNT		UNIT PRICE		AMOUNT
			UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	
DP Schwehofer - Galv cspa 10 ga 56 f 59" x 81"	1	LS	-\$10,950.00	-\$10,950.00	n/a	n/a	#VALUE!
DP Schwehofer - Galv cspa 10 ga 56 f 63" x 87"	1	LS	-\$10,106.00	-\$10,106.00	n/a	n/a	#VALUE!
Anglin - (56) LF 81" x 59" or 67" x 63" 10 ga Galvanized cspa	1	LS	n/a	n/a	-\$10,000.00	-\$10,000.00	-\$10,000.00
SUB TOTAL				-\$71,098.00			\$73,329.00

**HURON-CLINTON METROPOLITAN AUTHORITY**

To: Board of Commissioners
From: George Phifer, Director
Subject: Approval – Contractual Services
Date: June 1, 2017

Action Requested: Motion to Approve

That the Board of Commissioners' (1) approve the employment agreement with Sherrie Borchardt to serve as consultants listed in the terms and conditions of the agreement and; (2) approve the transfer from the Fund Balance to cover the salary for the contract as recommended by Director George Phifer.

Fiscal Impact: Funds will be needed to cover the cost of contractual services for position in an amount up to \$30,000.

Background: After 37 years of service, Sherrie Borchardt has made the decision to retire. In order to ensure that certain projects and park operations continue to flow as planned, staff recommends that HCMA seek out contractual services with this employee. Ms. Borchardt will assist the new employee with transitioning into their new role, along with providing support for the completion of existing projects.

Ms. Borchardt will be compensated at \$28 per hour, with a contract maximum expenditure of \$30,000.

General Counsel Steve Mann of Miller Canfield is preparing a contractual services agreement and will provide an agreement for execution once approved by the Board at the June 8, 2017 meeting.



HURON-CLINTON METROPOLITAN AUTHORITY

To: Board of Commissioners
 From: Michelle Cole, Chief Financial Officer
 Subject: Report – 2016 Audited Financial Statements
 Date: June 1, 2017

Action Requested: Motion to Receive and File

That the Board of Commissioners' receive and file the 2016 Audited Financial Statements Report as recommended by Chief Financial Officer Cole and staff.

Summary: The Authority's auditing firm, Abraham and Gaffney, has completed their audit of the 2016 accounting records, pension plan, retiree health care trust and related financial statements. Together with Abraham and Gaffney's Audited Financial Statements, staff compiled the Authority's 2016 Comprehensive Annual Financial Report, which is enclosed for review. Mr. Alan Panter will review the 2016 Audited Financial Statements with the Board at the June 8, 2017 meeting.

Background: Staff is pleased to report that Abraham and Gaffney has issued an unqualified opinion, meaning the Audited Financial Statements present fairly the financial position of the governmental activities and each major fund of the Authority as of Dec. 31, 2016 in conformity with generally accepted accounting principles. Abraham and Gaffney conducted their audit following generally accepted auditing standards in order for them to obtain reasonable assurance that the Authority's financial statements are free of any material misstatements.

As reflected on the Government Wide Statement of Net Position, the Authority's total net position at \$223.8 million an increase of \$1.1 million from the 2015 net position of \$222.7 million. The primary reason for this increase is a rise in property tax revenue of \$800,000. The total General Fund Balance is reported at \$40.9 million, an increase of \$1.4 million. The increase to Fund Balance is a result of timing for anticipated use of Fund Balance for Capital and Major Maintenance projects and increase in revenue over expenditures.

The 2016 Committed Fund Balance is at \$10,012,000 (\$9,874,000 in 2015). The 2016 Assigned Fund Balance is at \$15,909,000 (\$10,075,000 in 2015). The 2016 Unassigned Fund Balance stands at \$13,630,000 (\$18,349,000 in 2015). This level of Unassigned Fund Balance represents 28 percent of General Fund expenditures. The Statement of Revenues and Expenditures shows 2016 General Fund expenditures at \$49.2 million against revenues of \$50.2 million producing a surplus of \$1.0 million.

The Authority intends to submit this 2016 Comprehensive Annual Financial Report (CAFR) to the Government Finance Officers Association Certificate of Excellence in Financial Reporting program. The Authority has received a Certificate of Achievement for the last 15 years and staff believes this 2016 report will continue to earn this distinction. This achievement would not be possible without the dedicated work efforts of the entire Finance Department.

The 2016 Audited Financial Statements will be sent separately prior to the June 8, 2017 Board meeting.



HURON-CLINTON METROPOLITAN AUTHORITY

To: Board of Commissioners
 From: Nina Kelly, Manager of Planning
 Subject: Approval – Hudson Mills Master Plan
 Date: June 1, 2017

Action Requested: Motion to Approve

That the Board of Commissioners; (1) approve the Hudson Mills Master Plan; (2) approve the closure of the Hudson Mills golf course after the 2017 season; and (3) authorize staff to develop a repurposing plan for the Hudson Mills golf course for future approval by the Board of Commissioners as recommended by Manager of Planning Nina Kelly and staff.

Fiscal Impact: Projects identified in the Master Plan will affect the HCMA budget over the 10-year planning horizon, but there is no immediate fiscal impact.

Background: The master planning process for Hudson Mills included several opportunities for public input. Two public meetings were held on Saturday mornings in January and April at the Activity Center and were attended by nearly 40 people. Banners were posted at the park entrance a week in advance of each public meeting. The online and hard copy questionnaire was available from January through April and yielded over 600 responses (the same number received during the master planning process at Stony Creek in 2016). Social media posts encouraging people to attend the meetings and to complete the questionnaire were made on the Hudson Mills Facebook page and Metroparks Twitter account throughout the process.

At the May 11, 2017 meeting, the Planning Department presented the draft Hudson Mills Master Plan to the Board of Commissioners for review and comment. During that meeting, the Board of Commissioners requested that a plan be developed for the future use of the golf course site and building prior to its actual closure.

The plan draft was posted to www.metroparks.com/about-us/planning-department/ through May 30, 2017 for public review and comment. Staff received three objections to the proposed closure of the golf course via email.

Planning Department staff compiled comments and made necessary revisions in order to complete the final version of the master plan document presented herein for approval.



HURON-CLINTON METROPOLITAN AUTHORITY

To: Board of Commissioners
 From: Mike Brahm-Henkel, Manager of Engineering
 Project No: 702-17-297
 Project Title: Bids – Exterior Insulated Finish System Repairs/Caulking/Painting
 Project Type: Major Maintenance
 Location: Lake St. Clair Metropark
 Date: June 1, 2017

Bids Received: May 18, 2017

Action Requested: Motion to Approve

That the Board of Commissioners award Contract No. 702-17-297 to the low responsive, responsible bidder, General Painting Company, LLC in the amount of \$65,800 as recommended by Manager of Engineering Mike Brahm-Henkel and Staff.

Fiscal Impact: Funding was budgeted in the separate Major Maintenance accounts for the parks under general caulking and painting. Funding is available from the budgeted items Caulk/Painting Shelters, Buildings, Tollbooths – Annual for Lake St. Clair, Kensington and Lake Erie at \$30,000 each for a total of \$90,000.

Scope of Work: Project includes exterior work on the Exterior Finish System (EIFS). The work will include the patching of damage exterior surfaces, hole repairs, crack repairs, caulking and painting of the EIFS surfaces. The stucco surface in need of repair, caulking and painting

Background: The existing Activity Building, Bathhouse, and Office/Concession building have an EIFS exterior surface. EIFS is a cladding system for exterior walls, which provides insulation, water resistance and a finished surface. The system is composed of a layer of insulation, fiber mesh. The existing surface is in need of repair from holes created by birds, cracks due to weathering and other damaged areas. The work will also include the caulking of interfaces to prevent moisture intrusion.

<u>Contractor</u>	<u>City</u>	<u>Amount</u>
General Painting Company LLC	Rochester Hills	\$ 65,800.00
RAM Construction Service of Michigan LLC	Livonia	\$243,450.00

Budget Amount for Contract Services and Administration

Lake St. Clair Caulking and Painting	\$ 30,000.00
Kensington Caulking and Painting	\$ 30,000.00
Lake Erie Caulking and Painting	<u>\$ 5,800.00</u>
Total	\$ 65,800.00

Work Order Amount

Contract Amount- General Painting Company LLC	\$65,800.00
Contract Administration	\$ 2,000.00
Total Proposed Work Order Amount (Rounded)	\$70,800.00

This project was reported and publicly advertised in the following construction reporting outlets: MITN, Construction Association of Michigan, Reed Construction Data, Construction News Corporation, Construction News Service, HCMA Website, Builders Exchange of Michigan, McGraw Hill Dodge, Builders Exchange of Lansing and Central Michigan.

Note the following reviewed plans but did not submit a bid;

1855ustrash LLC	Aristeo Construction Company	Building Technology Associates	Creative Surfaces, Inc.
3.L.K. CONSTRUCTION LLC.	Arm Property Maintenance Inc	Butcher & Butcher Construction Co., Inc.	Cross Renovation
400 Monroe Associates	Ashor Associates	C and J General Contractors, Inc.	Crystal Bright Janitorial Services, Inc.
A. C. Dellovade	Asphalt Specialists, Inc.	C.A. Hull Co., Inc.	CTI and Associates, Inc.
A.F.Bellisario.,Inc.	ASTI Environmental	C.S. FARMER CONSTRUCTION INC.	CTI Property Services Inc.
A.W.E. Inc.	Atlas Oil Company	CAASTI Contracting ServiceInc.	Cunningham-Limp Development Company
A.Z. Shmina, Inc.	Atsalis Brothers Painting Company	capital one coatings llc	Cutting Edge Contracting Inc.
A1 Victory Inc.	Axiom Construction Services Group, LLC	CCS International Inc	D& R
ABE Associates, Inc.	B & J Parking Lot Maintenance, Inc.	CD Barnes Construction	EARTHMOVING, LLC
Above The Rest (ATR) General Construction, Inc.	B.M.A services llc	Cedroni Associates Inc.	D&R MAINTENANCE MANAGEMENT INC
Acme Enterprises, Inc.	BANKSTON CONSTRUCTION, INC.	Center Line Electric, Inc.	D'Angelo Brothers Inc.
Acquest Realty Advisors, Inc.	Baruzzini Construction Co.	CertaPro Painters of Novi	D.M. Burr Facilities Management, Inc.
Adj Excavating, Inc	Bayview Electric Company, LLC	CFJ Investments, LLC	D.V.M. Utilities, Inc.
Advanced Building Group, LLC	Beckett & Raeder	Choice Property Services	Daco Construction, Inc.
Advanced Integrated Solutions, LLC	BELFOR USA	CITI Building Services Inc	Daily Facility Services
Advantage Mechanical-Refrigeration Inc	Berkshire Development	City Contracting Services	Damark Marine
Agar Services, LLC	Bernco, Inc.	Clark Construction Company	Danboise Mechanical Inc.
Ajax Materials Corporation	Best Practices Consulting Services	Classic Painting Co., Inc.	Dave Cole
Alden Development Group	Big Sky Service Company	CMA Design Services	Decorators
ALDEWIN ROSE CONSTRUCTION	Birkenstock Construction LLC.	CMON CONSTRUCTION	Dave's Contracting, Inc.
Alexander Transport, Inc.	Black Star Companies	Colasanti Construction Services, Inc.	Davenport Brothers Construction Co
All Court	Blaze Contracting Inc.	Collards Concrete Commercial Contracting Corporation	DBC Company Inc. & Barrier Free Plus Inc
All Prop LLC	Blue Spader Contractors	community 1st development	Dean Marine & Excavating Inc.
All Season Builders, Inc.	Blue Water Environmental, Inc	Concraft Inc	Degenhardt & Sons, Inc.
Allied Building Service Company of Detroit, Inc.	BMJ Engineers and Surveyors, Inc.	Constructeam Construction Solutions, Inc.	DeMaria Building Company
Allpoint painting and cleaning LLC.	BNE Services LLC	Continuum Services	Demonica Kemper Architects
Alpha Electric & Engineering, LLC	Boji Group, LLC	Core Land Surveying	Denali fire protection inc
ALT VACANCY SOLUTIONS INC	Brasco International, Inc.	CORE Property Restoration	DES Electric LLC
Amalio Corporation	Braun Construction Group	Cornerstone Industrial, Inc.	Desai/Nasr Consulting Engineers, Inc.
Angels General Construction, Inc.	Breakthrough Developers, Inc.	Crawford Contracting, Inc.	Detroit Contracting, Inc.
ANTLER CONSTRUCTION	Brenca Contractors, Inc.		Detroit Power Systems
Aquatic Source	Brock & Associates Inc.		Dimension Four Painting, Inc.
ARCADIS of Michigan LLC	Brooks Striping, Inc.		Distinguished Development Inc
ArcLite Services	BRT Builders LLC		Diversified Excavating & Site Utilities llc
Arisco Contracting Group, Inc.			

Dixon Landscaping
 INC
 DMC Consultants,
 Inc.
 Doring, Incorporated
 Dorsey Williams
 Construction Co.
 Doshi Associates, Inc
 Douglas N. Higgins,
 Inc.
 DRC Contract
 Cleaning
 DRV Contractors
 Dumas Construction
 Services
 E&L Construction
 Group, Inc.
 E. Gilbert & Sons,
 Inc.
 E.C. Korneffel
 Company
 E.S. Wagner Co.
 E.T. MacKenzie
 Company
 Eagle Specialties,
 LLC
 Early Construction
 Eason Painting Inc
 East West Painting,
 Inc.
 Eastwood Custom
 Homes
 ECI Environmental
 Compliance
 Edwards Glass
 Company
 Elgin Builders Inc.
 Ellsworth Industries
 Elmer's Crane and
 Dozer, Inc.
 Emergency
 Restoration
 Eng., Inc
 engle construction
 Entech Staffing
 Environmental
 Excavating &
 Contracting, Inc.
 Envision Builders Inc.
 Era Valdivia
 Contractors
 Erhardt Construction
 Es Construction
 Group Inc
 Esko Roofing and
 Sheet Metal Inc.
 Evangelista
 Corporation
 Evergreen Civil
 Exquisite Fire / Safety
 F+V Construction
 F.J. LaFontaine

Facilinet Services
 Farbman Group
 Farrow Group, Inc.
 FEDCON LLC
 Finishing Trades
 Consulting
 FIRST CLASS
 BUILDING
 MAINTENANCE,
 INC.
 Fleis & VandenBrink
 Engineering, Inc.
 Fonson Company,
 Inc.
 FORD MOTOR
 LAND
 DEVELOPMENT
 Foundation Steel
 Frank Rewold and
 Son Inc.
 Freedom Landscape
 and Supply LLC
 G&M Painting
 Enterprises, Inc.
 G. FISHER
 CONSTRUCTION
 COMPANY
 G. STEPHENS INC.
 GEI Consultants of
 Michigan, LLC
 GEIERSBACH
 CONSTRUCTION,
 INC.
 Gen Power Products,
 Inc.
 GENERAL
 PAINTING CO LLC
 George W. Auch
 Company
 Gerace Construction
 Gerber Construction
 Company, Inc.
 Giannetti Building
 Development
 Giant Janitorial
 Service, Inc
 Gladiator
 Construction &
 Demolition LLC
 Global Building
 Maintenance
 global green service
 group
 GM Painting Inc
 Gold Star
 Commercial
 Goldleaf Building, llc
 Grand Horizon
 Contracting
 Grand River
 Construction, Inc.

Granger Construction
 Company
 Great Lakes Elevator
 Great Lakes Roofing,
 Inc.
 Great Lakes Welding
 LLC.
 green builders plus
 Greenscape
 GreenTech
 Engineering, Inc.
 Grunwell-Cashero
 Company
 GS Group LLC
 GZA
 GeoEnvironmental,
 Inc.
 H&h metals
 Harmon & Sons
 Havelka Construction
 Havener Tech
 Heaney General
 Contracting, Inc.
 Heritage Contracting,
 LLC
 Hittle Construction Co.
 hollywood plumbing
 & heating, inc.
 Honeywell
 International, Inc.
 Howell Construction
 Services
 Hughes Builders
 HYMMCO LLC
 Independent Home
 Services LLC
 Insurance Services
 Construction
 Corporation
 Integrated Design
 Solutions
 ITALIA
 CONSTRUCTION
 INC
 J. S. Vig Construction
 Company
 J.R. Heineman &
 Sons, Inc.
 Jacobs Gate &
 Associates Llc
 James W. Turner
 Construction, LTD
 Jarvis Property
 Restoration
 Jay K Masonry
 JCW Construction
 LLC
 Jenkins Construction,
 Inc.
 JFR Architects, PC
 Jim McMahan
 Painting Company

JMC Electrical
 Contractor LLC
 JMK Consultants, Inc
 John E. Green
 Company
 Johnson & Wood,
 LLC
 Johnson Controls
 Jones Lang LaSalle
 Americas, Inc.
 JR SERVICES
 GROUP, LLC
 Kellett builders inc
 Keo and Associates,
 Inc.
 Kevin McNamara,
 LLC
 Keys Construction
 Inc
 Keystone Group
 Contracting LLC
 Knowles Painting
 Co., Inc.
 L.A. Construction
 L.G.K Building Inc.
 LaBelle Development
 LaDuke Roofing
 Corporation
 Lake Michigan
 Excavating, LLC
 Lakeshore
 Construction and
 Renovation
 LAKIN ELECTRIC
 LLC
 Land-HO
 Construction
 Company, Inc.
 Landwise, Inc.
 LaSalle Inc
 Laux Construction,
 LLC
 LD Docsa Associates
 Inc.
 LESLIE ELECTRIC
 COMPANY
 LGC Global
 (Lakeshore Global
 Corporation)
 Luckenbach/Ziegelm
 an Architects pllc
 luigi ferdinandi &
 son cement co. inc.
 lulaj precise painting
 Lyon Maintenance
 Services, Co. Inc
 M.L. Schoenherr
 Construction, Inc.
 MacAllister
 Machinery Co., Inc.
 dba Michigan CAT &

MAK Construction Inc.	Mpm Painting LLC	Phoenix Contractors, Inc.	Rolling Acres Landscaping and Lawn Service, LLC
Mando Construction Inc.	MPM USA	Phoenix Contractors, Inc.	Roncelli, Inc.
Marble Mechanical Service	MV CONTRACTING INC.	Pinnacle Contracting, Inc.	Roncelli, Inc.
Mark 1 Restoration Services	MYERS EXCAVATING, INC.	Pizzo Development Group, LLC.	Roscoe's Enterprises Inc.
marshall pools	NACC, Inc.	Plumbers Local 98	Ross Construction Inc.
MAS Electrical Services, Inc.	National Airport Concessions, LLC	Poe Restoration & Waterproofing	RVP Construction
Master Craft Floors	National Maintenance Services LLC	Polymath Development Company	Ryan Incorporated
Mattioli Cement Company	National Restoration, Inc.	Pranam GlobalTech, Inc.	Central
Mavcon	Nationwide Construction Group	Precision Contracting	Sachse Construction & Development Company, LLC
Maximized Security Systems, LLC	Nederveld, Inc.	Precision Painting Inc	Sanctum Contracting
McCarthy & Smith, Inc.	Newton Crane Roofing, Inc.	Premier Group	SANDBORN Construction, Inc
Meridian Contracting Group	Nick Guzik	Associates Ic	Sarnacki & Associates
Meridian Restoration	Nick Karoutsos	Premiere Developing Inc.	Architects, Inc.,
Merlo Construction Co. Inc.	Painting Co.	Pro Energy Logistics LLC	Schaible Builders Inc.
Metro Electric	NORA CONTRACTING LLC	Professional Building Maintenance	schlicht excavating
Metro Environmental, Inc.	Norkan Inc.	Professional Concrete Services, LLC	Schreiber Corporation
Metro Trades LLC	North Coast Strategies	Professional Engineering Associates, Inc.	SDA Architects, Inc.
MFS, Inc.	North Star Refrigeration, Heating and Cooling	Property Monkey Qualified Construction Corp	Seaway Painting, LLC
michael andrews concrete llc	Nowak & Fraus Engineers	R & R Asphalt, inc.	SELAH LLC
Michigan Condominium Development Company	NRC, LLC National Renovation Contractors	R. W. Mead & Sons, Inc.	SER Metro-Detroit,
Mid American Gunitite	NTH Consultants, Ltd.	R. W. Mercer Co.	Jobs for Progress, Inc.
Midwest Builders LLC	O'Brien Construction Company, Inc.	RACM, LLC dba	Serenus Johnson Construction
Midwest Building Maintenance, LLC	OE 324 LMEC	Servpro of Saginaw	SHERMAN
MidWest Construction Inc.	One Stop Property Maintenance llc	RAM Construction Services	NURSERY FARMS
MIDWEST PAVEMENT CONTRACTING, INC	ONE SUPPLY GROUP	Rauhorn Electric, Inc.	Sherwin Williams Co
Midwestern Consulting, LLC	Optimum Contracting Solutions Inc	Raymond Excavating Company	Shine Tech Inc
MIG EAST LLC	Orion Waterproofing, Inc.	Rayne Construction, LLC	Siemens Industry, Inc.
Mihm Enterprises, Inc.	Our Home Renovations	Rekon Corporation	Sigma Associates, Inc.
Mike & Son Asphalt Inc.	Outdoor Expressions Landscaping LLC	REMCO STORAGE SYSTEMS,	Signature Associates signature contracting grp llc
Miller Building Co. LLC	Outdoor Specialty, llc	Rickman Enterprise Group, LLC	Simply Construction and Excavating
Miller Concrete and Construction	Outdoor Techniques	Robbin Harsh Excavating, Inc.	SJR Pavement Repair, Inc.
Buyer's Copy	Pacitto & Forest Const Co	Rocan Inc	Smith's Waterproofing
MJM Property Restoration LLC.	Partners in architecture, PLC	Rodney Woods Builder	Soil and Materials Engineers Inc
Modern Xterior Improvement	Patterson Real Estate & Construction Group	Rohde Bros. Excavating, Inc.	SOLE' CONSTRUCTION, INC.
Molon Excavating, Inc.	perfection plus const.&paint	Rolar Property Services Inc.	Solutions Maintenance And Management Inc

Spalding DeDecker
Associates, Inc.
Spence Brothers
Stante Excavating
Company, Inc.
State Wide Janitorial
Service, Inc.
STE Construction
Services, Inc.
Stoneco of Michigan
Streamline Electric
Sugar Construction,
Inc.
Summit Properties &
Development Co
Superior Contracting
Group L,L,C,
Swiatko Enterprises,
Inc.
T & M ASPHALT
PAVING, INC.
t&b painting
construction
Team Cares
Inc/Marra Building Inc
Technical Service
Professionals, L.L.C.
THE BERESH
GROUP, INC.

The Christman
Company
The Concord Group
The Dailey Company
The Healthy School
Food Collaborat
The King Co., Inc.
The Petersen
Companies Inc.
The Tancor
Corporation
The Whiting-Turner
Contracting Company
Thermico, Inc.
Timber Systems
TLS Construction
LLC
Tollis Development
Tooles Contracting
Group LLC
Tri-City
Groundbreakers, Inc
Tridonn Construction
Company
TTL Associates
Turner Construction
Company
United Facility
Supplies

Universal Property
Services
Unlimited Recycling,
Inc.
US Metro Group, Inc
Usztan, LLC
V Pizzo Electric LLC
V.I.L. Construction,
Inc.
Van Horn Concrete
Vanguard Building
Group, LLC
Vazquez Commercial
Contracting, LLC
VENICE
CONTRACTING LLC
VENICE
CONTRACTING LLC
Vetcon, Inc.
Veteran Surface
Solutions, LLC
VHM Enterprise, INC
W-3 Construction Co.
W.J. O'Neil
Walbridge
Walsh Construction
Warren Contractors &
Development Inc.

Washtenaw
Contractors
Association
WCI Contractors, Inc.
We Preserve
Michigan LLC
Weatherseal Home
Improvements co, inc.
WeatherTech
Consulting Group,
Inc.
Wesco Distribution
West Construction
Services
White Pine Building
and Development
LLC
William A. Kibbe &
Associates, Inc.
WILTSE ELECTRIC
SERVICE, INC.
Wm. Bronner & Son
Contr., Inc
Wm. Molnar Roofing
Inc.
Worldview Property
Restoration
Yoku Remodeling
Zuniga Cement
Construction Inc.









HURON-CLINTON METROPOLITAN AUTHORITY

To: Board of Commissioners
From: Ryan Colliton, Manager of Natural Resources and Environmental Compliance
Subject: Report – Black Creek Marsh Dredging Project
Location: Lake St. Clair Metropark, Macomb County
Date: June 1, 2017

Action Requested: Motion to Receive and File

That the Board of Commissioners' receive and file the Black Creek Marsh Dredging Report recommended by Manager of Natural Resources and Environmental Compliance Ryan Colliton and staff

Fiscal Impact: This project is funded through an EPA GLRI grant; budgeted funding in the amount of \$676,363 is in the Lake St. Clair Capital Improvement account (10-5-102-990-82-9420) and all expenditures will be reimbursed.

Background: This project is phase II of a larger restoration project and was approved by the Board at its April 11, 2015 meeting. Phase I included the restoration of threatened and endangered species (snake hibernacula), the control of invasive Phragmites, the replacement of nature trails and the construction of a dipping platform for nature programs. Phase I was approved by the board at the May 2011 board meeting and work began in April 2011. The final portion of Phase I, a dipping platform for nature programs, was completed in December 2016. With the completion of Phase I, staff is prepared to begin Phase II, which is the restoration of fish and wildlife habitat in Black Creek Marsh.

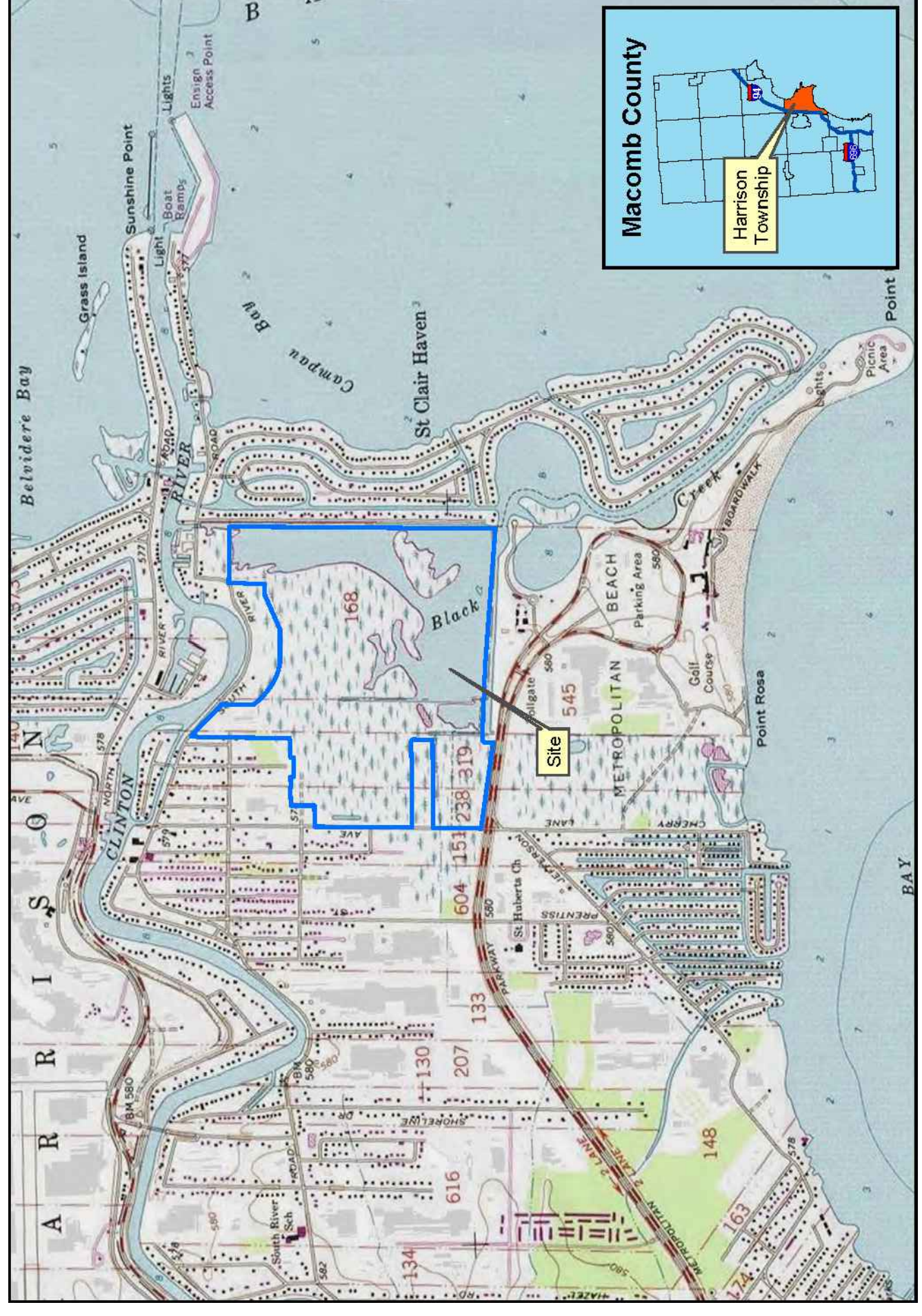
ASTI is serving as the project manager and is responsible for grant administration, project design, permitting, construction and contract oversight.

The request addresses the final stage of this grant, which is approximately 10,100 cubic-yards of material in the open water portion of the marsh. This work will benefit native fish species and water recreation activities such as kayaking.

Necessary permits for the project have been obtained from the DEQ and Army Corps of Engineers (ACOE). Selected bidders will be responsible to obtain soil erosion permits.

Attachment: Black Marsh Dredging Project Area Drawings

HURON-CLINTON METROPOLITAN AUTHORITY
BLACK CREEK MARSH RESTORATION
LAKE ST. CLAIR METROPARK
31300 METROPOLITAN PARKWAY,
HARRISON TOWNSHIP, MACOMB COUNTY, MICHIGAN 48045




LOCATION MAP

OWNER

HCMA
 13000 HIGHBRIDGE DR,
 BRIGHTON, MI 48114
 P: 810-227-2757


SITE PLAN DESIGN

ASTI ENVIRONMENTAL
 10448 CITATION DRIVE, SUITE 100
 BRIGHTON, MI 48116
 P: 810-225-2800
 F: 810-225-3800

LIST OF DRAWINGS

- 1 TITLE SHEET
- 2 PROJECT LAYOUT
- 3 CROSS SECTIONS
- 4 TURBIDITY CURTAIN DETAIL

7-D-1a

DATE: 5/9/2017	SHEET: 1 of 4	GIS/CADD: JMD	CLIENT: Huron-Clinton Metropolitan Authority	PM: DCM	CHECKED: DCM	PROJECT: 9171
Revisions: 5-18-17 for Bidding						
1						
Black Creek Marsh Restoration Title Sheet						
Lake St. Clair Metropark 31300 Metropolitan Parkway Harrison Township, MI						
						



Black Creek Marsh Restoration	
Ordinary High Water Mark (OHWMM) feet (IGLD 1985)	576.3
Ordinary Low Water Datum (LWD) feet (IGLD 1985)	572.3
100-Yr Floodplain Elevation feet (NAVD 88)	NA
PROPOSED ACTIVITY	Channel Construction
WETLAND DREDGE	
Length (ft.)	6,950
Width (ft.)	8
Depth (ft.)	3
Dredge Volume (cu. yds.)	6,178
Volume below OHWMM (cu. yds.)	1,009
Maximum Water Depth (ft.)	3
Area Dredged (sq. ft.)	55,757
TOTALS	
Area (sq. ft.)	87,641
Area (acres)	2.00
Volume (cu. yds.)	10,054

Note to Contractor: These are estimated quantities; construction contractor is responsible for determining the actual quantities that will be generated to complete the project with the proposed dimensions.

SCOPE OF WORK: Following is a general outline of the major work items in this Contract. It is not to be construed as a comprehensive description of work to be performed, and it does not relieve the Contractor from performing incidental and related work not listed. Quantities shown herein or on the drawings are approximate and may vary from the quantities actually provided which are necessary to meet lines, grades dimensions and other requirements of the Contract Documents. The Contractor shall not be entitled to additional compensation arising from required quantities to meet proposed grades, etc.

- A. Apply for Soil Erosion Control Permit from Macomb County (Architect/Engineer will supply the necessary drawings for the permit application).
- B. Dredge by mechanical means, approximately 10,100 cubic yards of material from approximately 2 acres of the Black Creek Marsh as follows: channels totaling 6,950 x 8 feet and four individual pools averaging 155 x 85 feet to a depth of approximately 1.5 feet above the Low Water Datum elevation of 572.3 feet International Great Lakes Datum (IGLD).
- C. Prior to initiating any dredging operations, the entire work area shall be contained by a silt/turbidity curtain surrounding the equipment and work area 200 x 4 feet. The turbidity curtain shall continuously and completely enclose the dredge area. The silt curtain shall be properly anchored onshore and offshore at 25-foot intervals to provide a stable and functional barrier. The silt curtain shall be maintained in effective working condition until all dredging is completed and turbidity has returned to background levels.
- D. All slurry resulting from any dewatering operation shall be discharged through a filter bag or pumped to a sump located away from wetlands and surfaced waters and allowed to filter through natural upland vegetation, gravel filters, or other engineered devices for a sufficient distance and/or period of time necessary to remove sediment or suspended particles.
- E. All dredged materials shall be dewatered to the greatest extent possible and disposed of at a type II landfill.

DATE:	5/19/2017
SHEET:	3 of 4
GISCADD:	JMD
CLIENT:	Huron-Clinton Metropolitan Authority
PM:	DCM
CHECKED:	DCM
PROJECT:	9171

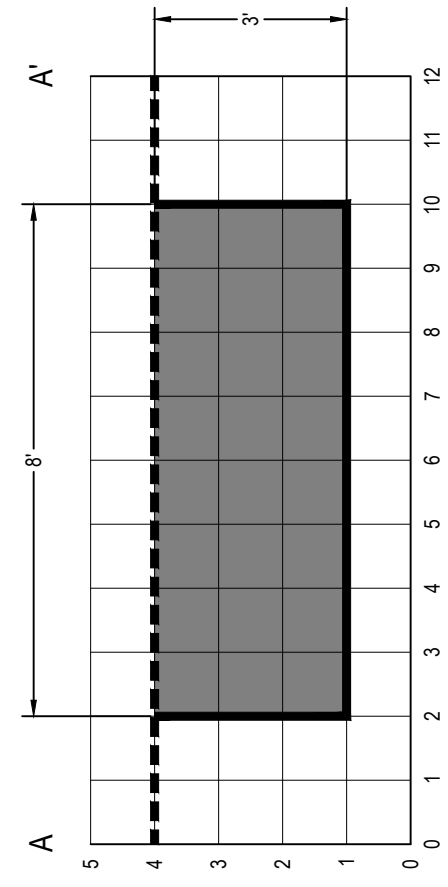
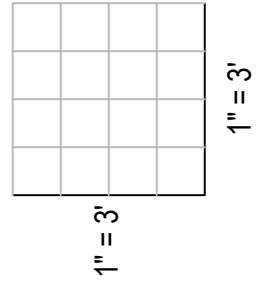
3

Black Creek Marsh Restoration
Cross Sections

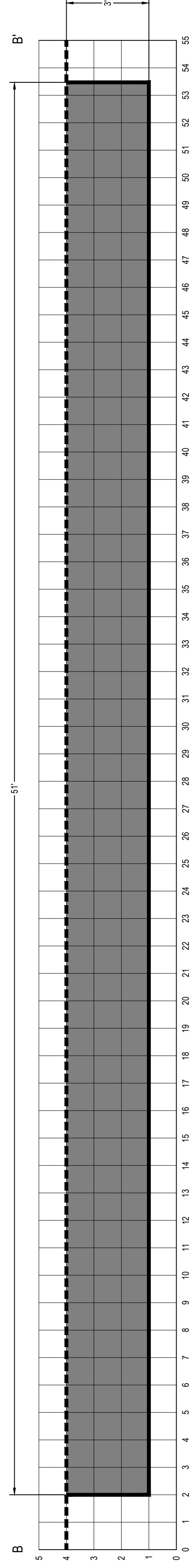
Lake St. Clair Metropolitan
31300 Metropolitan Parkway
Harrison Township, MI



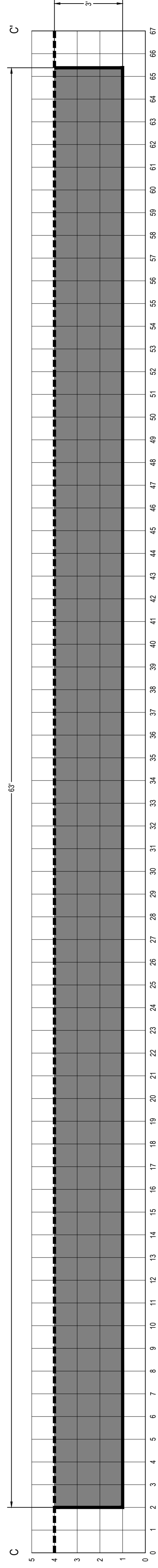
Michigan Office
20744 Michigan Ave. Suite 100
Farmington Hills, MI 48334
Phone: 248.858.1234
Fax: 248.858.1235
www.astienv.com



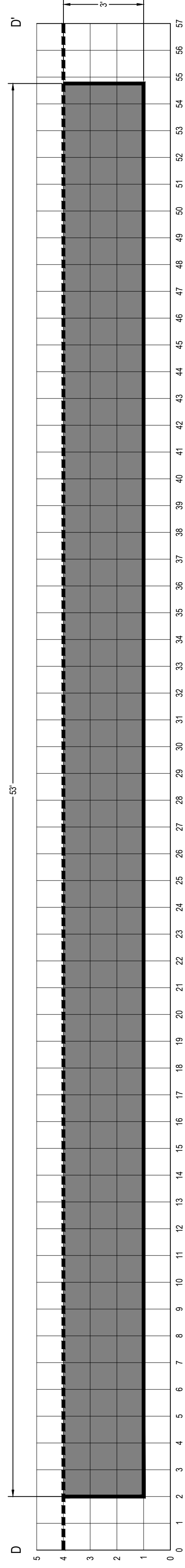
Typical Channel Section



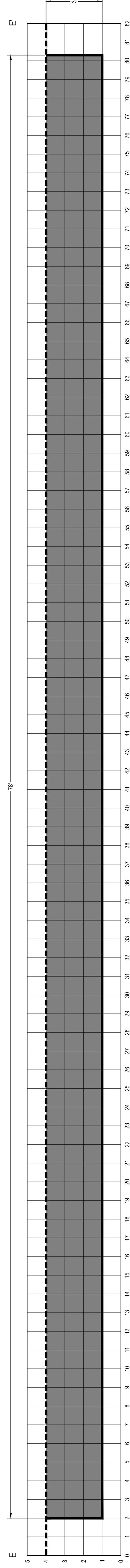
Pool Section B-B'



Pool Section C-C'



Pool Section D-D'

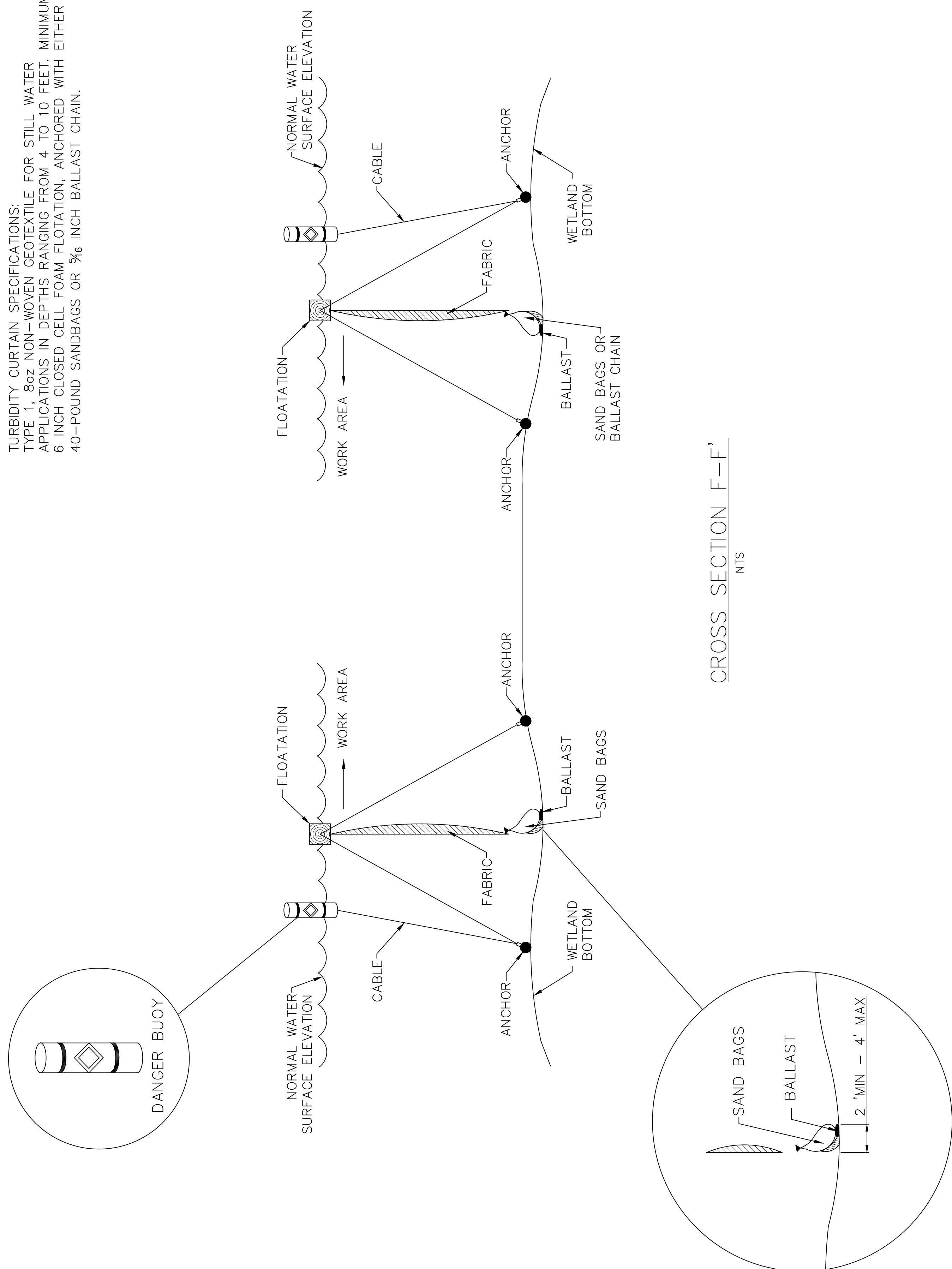


Pool Section E-E'

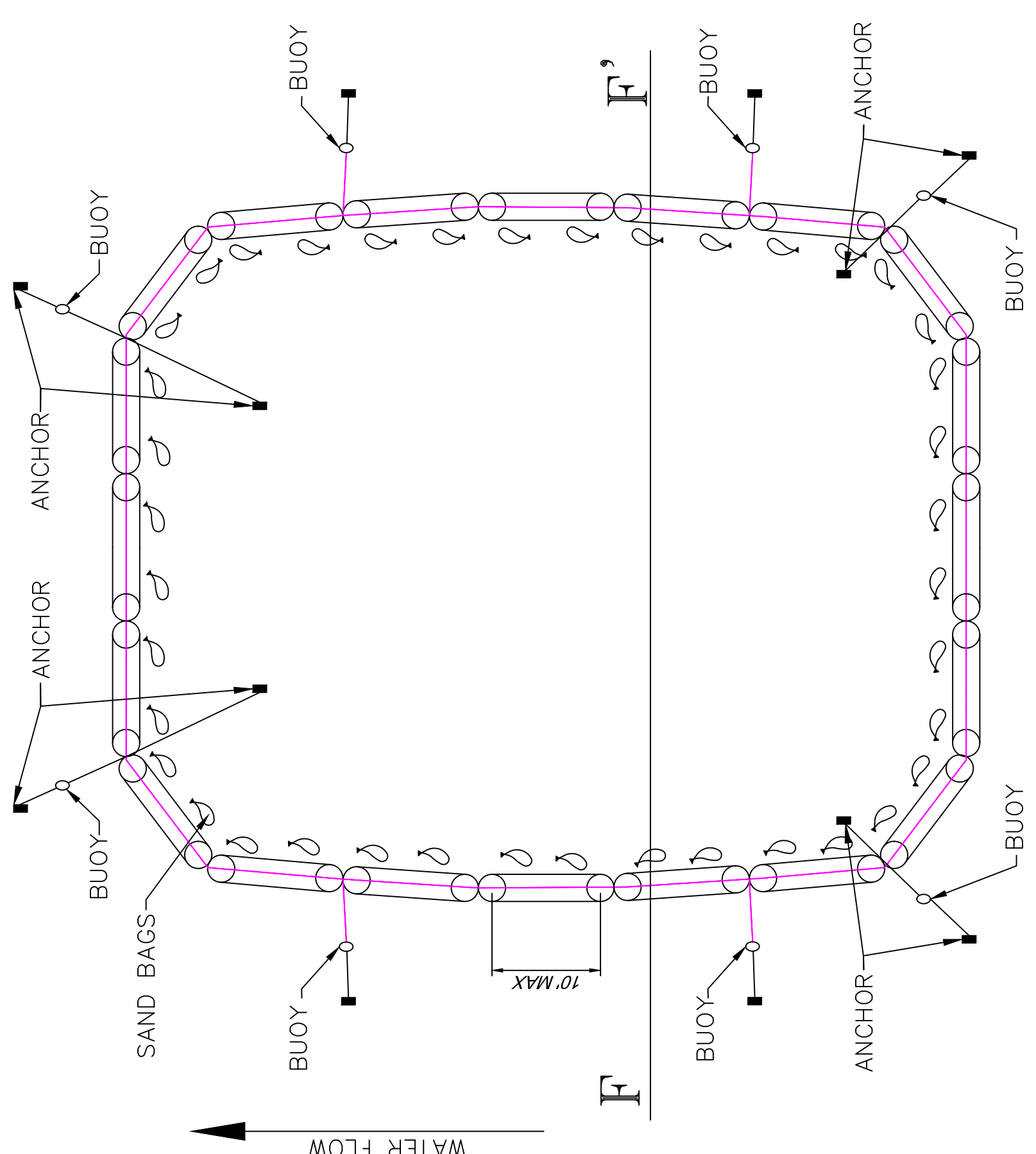
DATE: 5/19/2017
SHEET: 4 of 4
GIS/CADD: JMD
CIENT: Huron Clinton Metropolitan Authority
PM: DCM
CHECKED: DCM
PROJECT: 9171



TURBIDITY CURTAIN SPECIFICATIONS:
TYPE 1, 8oz NON-WOVEN GEOTEXTILE FOR STILL WATER
APPLICATIONS IN DEPTHS RANGING FROM 4 TO 10 FEET. MINIMUM
6 INCH CLOSED CELL FOAM FLOTATION, ANCHORED WITH EITHER
40-POUND SANDBAGS OR 5/16 INCH BALLAST CHAIN.



CROSS SECTION F-F'
NTS



PLAN VIEW
NTS

Notes:

- A. Prior to initiating any dredging operations, the entire work area shall be contained by a silt/turbidity curtain surrounding the equipment and work area 200 x 4 feet. The turbidity curtain shall continuously and completely enclose the dredge area. The silt curtain shall be properly anchored onshore and offshore at 25-foot intervals to provide a stable and functional barrier. The silt curtain shall be maintained in effective working condition until all dredging is completed and turbidity has returned to background levels.
- B. All slurry resulting from any dewatering operation shall be discharged through a filter bag or pumped to a sump located away from wetlands and surfaced waters and allowed to filter through natural upland vegetation, gravel filters, or other engineered devices for a sufficient distance and/or period of time necessary to remove sediment or suspended particles.
- C. All dredged materials shall be dewatered to the greatest extent possible and disposed of at a type II landfill.

HURON-CLINTON METROPARKS MONTHLY STATISTICS

May, 2017

PARK	MONTHLY VEHICLE ENTRIES				MONTHLY TOLL REVENUE			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St Clair	38,659	47,866	44,258	-13%	\$ 206,513	\$ 287,156	\$ 237,593	-13%
Wolcott Mill	8,169	6,566	5,516	48%	\$ 7,700	\$ 1,043	\$ 444	1633%
Stony Creek	58,992	68,397	66,414	-11%	\$ 319,150	\$ 412,005	\$ 357,105	-11%
Indian Springs	10,426	11,708	11,329	-8%	\$ 43,667	\$ 53,863	\$ 44,891	-3%
Kensington	83,820	90,925	91,718	-9%	\$ 372,420	\$ 417,516	\$ 348,357	7%
Huron Meadows	9,785	10,901	9,830	0%	\$ 4,444	\$ 4,282	\$ 4,956	-10%
Hudson Mills	21,692	23,140	24,437	-11%	\$ 71,492	\$ 91,042	\$ 75,069	-5%
Lower Huron / Willow/Oakwoods	57,179	62,061	57,819	-1%	\$ 111,985	\$ 158,014	\$ 133,482	-16%
Lake Erie	19,618	23,407	18,198	8%	\$ 62,689	\$ 89,833	\$ 80,239	-22%
Monthly TOTALS	308,340	344,971	329,518	-6%	\$ 1,200,060	\$ 1,514,754	\$ 1,282,137	-6%

PARK	Y-T-D VEHICLE ENTRIES				Y-T-D TOLL REVENUE			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St Clair	111,490	117,277	112,536	-1%	\$ 492,469	\$ 545,290	\$ 462,964	6%
Wolcott Mill	24,953	22,851	17,900	39%	\$ 19,843	\$ 2,863	\$ 1,324	1398%
Stony Creek	162,964	171,846	157,827	3%	\$ 935,458	\$ 947,999	\$ 823,638	14%
Indian Springs	26,533	27,918	25,772	3%	\$ 138,951	\$ 138,434	\$ 116,249	20%
Kensington	252,605	260,471	256,585	-2%	\$ 1,118,054	\$ 1,048,984	\$ 879,351	27%
Huron Meadows	28,307	30,662	30,876	-8%	\$ 21,587	\$ 29,640	\$ 35,307	-39%
Hudson Mills	67,806	66,120	66,143	3%	\$ 234,495	\$ 231,981	\$ 209,895	12%
Lower Huron / Willow/Oakwoods	195,269	190,392	174,078	12%	\$ 340,069	\$ 353,620	\$ 294,997	15%
Lake Erie	61,506	64,312	53,718	14%	\$ 253,937	\$ 272,633	\$ 233,891	9%
Monthly TOTALS	931,433	951,849	895,436	4%	\$ 3,554,863	\$ 3,571,444	\$ 3,057,615	16%

PARK	MONTHLY PARK REVENUE				Y-T-D PARK REVENUE			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St Clair	\$ 241,628	\$ 462,480	\$ 367,228	-34%	\$ 762,779	\$ 825,691	\$ 686,480	11%
Wolcott Mill	\$ 30,330	\$ 84,279	\$ 68,879	-56%	\$ 113,114	\$ 169,589	\$ 150,537	-25%
Stony Creek	\$ 531,056	\$ 687,763	\$ 596,840	-11%	\$ 1,365,017	\$ 1,423,921	\$ 1,253,881	9%
Indian Springs	\$ 148,372	\$ 169,908	\$ 164,119	-10%	\$ 339,748	\$ 351,589	\$ 314,074	8%
Kensington	\$ 595,108	\$ 680,505	\$ 585,400	2%	\$ 1,572,372	\$ 1,544,395	\$ 1,340,599	17%
Huron Meadows	\$ 115,952	\$ 124,541	\$ 112,388	3%	\$ 205,825	\$ 231,648	\$ 216,698	-5%
Hudson Mills	\$ 136,479	\$ 160,191	\$ 147,329	-7%	\$ 365,086	\$ 361,361	\$ 352,305	4%
Lower Huron / Willow/Oakwoods	\$ 233,276	\$ 351,420	\$ 290,280	-20%	\$ 522,317	\$ 633,925	\$ 542,236	-4%
Lake Erie	\$ 190,220	\$ 248,682	\$ 231,121	-18%	\$ 465,449	\$ 516,989	\$ 472,153	-1%
Y-T-D TOTALS	\$ 2,222,420	\$ 2,969,769	\$ 2,563,585	-13%	\$ 5,711,707	\$ 6,059,108	\$ 5,328,961	7%

District	Y-T-D Vehicle Entries by Management Unit				Y-T-D Total Revenue by Management Unit			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Eastern	299,407	311,974	288,264	4%	2,240,910	2,419,201	2,090,898	7%
Western	375,251	385,171	379,376	-1%	2,483,031	2,488,993	2,223,675	12%
Southern	256,775	254,704	227,796	13%	987,766	1,150,914	1,014,388	-3%

HURON-CLINTON METROPARKS MONTHLY STATISTICS

May, 2017

GOLF THIS MONTH	MONTHLY ROUNDS				MONTHLY REVENUE			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Stony Creek	3,911	4,619	4,418	-11%	\$ 129,622	\$ 154,150	\$ 139,976	-7%
Indian Springs	3,214	3,442	3,413	-6%	\$ 89,732	\$ 85,629	\$ 87,103	3%
Kensington	4,175	4,483	4,381	-5%	\$ 104,079	\$ 116,154	\$ 107,574	-3%
Huron Meadows	3,393	3,806	3,480	-2%	\$ 110,708	\$ 119,460	\$ 98,479	12%
Hudson Mills	2,263	2,426	2,493	-9%	\$ 52,464	\$ 55,463	\$ 50,585	4%
Willow	2,673	3,754	3,200	-16%	\$ 80,156	\$ 108,149	\$ 87,354	-8%
Lake Erie	3,303	3,961	3,610	-9%	\$ 90,122	\$ 101,425	\$ 85,234	6%
Total Regulation	22,932	26,491	24,995	-8%	\$ 656,883	\$ 740,430	\$ 656,306	0%
LSC Par 3	818	1,141	973	-16%	\$ 5,130	\$ 6,924	\$ 6,048	-15%
LSC Foot Golf	47	87	63	-25%	\$ 316	\$ 629	\$ 447	-29%
L. Huron Par 3 (closed)	0	515	639	-	\$ -	\$ 3,717	\$ 4,437	-
L. Huron Foot Golf (closed)	0	174	84	-	\$ -	\$ 999	\$ 525	-
Total Golf	23,797	28,408	26,755	-11%	\$ 662,329	\$ 752,699	\$ 667,763	-1%

GOLF Y-T-D	GOLF ROUNDS Y-T-D				GOLF REVENUE Y-T-D			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Stony Creek	6,098	6,685	6,305	-3%	\$ 192,288	\$ 214,719	\$ 208,324	-8%
Indian Springs	4,974	5,246	4,885	2%	\$ 134,984	\$ 127,411	\$ 124,158	9%
Kensington	6,602	6,872	6,534	1%	\$ 158,140	\$ 169,284	\$ 161,605	-2%
Huron Meadows	5,611	5,947	5,226	7%	\$ 172,498	\$ 180,466	\$ 147,240	17%
Hudson Mills	3,319	3,514	3,470	-4%	\$ 76,799	\$ 79,256	\$ 77,061	0%
Willow	3,479	5,411	4,685	-26%	\$ 103,720	\$ 156,367	\$ 145,713	-29%
Lake Erie	5,107	5,744	5,064	1%	\$ 140,685	\$ 147,919	\$ 130,787	8%
Total Regulation	35,190	39,419	36,169	-3%	\$ 979,114	\$ 1,075,422	\$ 994,888	-2%
LSC Par 3	1,099	1,523	1,221	-10%	\$ 6,876	\$ 9,440	\$ 9,062	-24%
LSC Foot Golf	75	132	80	-6%	\$ 518	\$ 858	\$ 535	-3%
L. Huron Par 3 (closed)	0	865	918	-	\$ -	\$ 6,188	\$ 6,400	-
L. Huron Foot Golf (closed)	0	217	106	-	\$ -	\$ 1,280	\$ 666	-
Total Golf	36,364	42,156	38,493	-6%	\$ 986,508	\$ 1,093,187	\$ 1,011,551	-2%

AQUATICS THIS MONTH	PATRONS THIS MONTH				MONTHLY REVENUE			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St. Clair	0	4,229	3,306	-	\$ 6,420	\$ 21,132	\$ 14,596	-56%
Stony Creek Rip Slide	1,138	1,879	2,041	-44%	\$ 5,778	\$ 9,738	\$ 7,549	-23%
KMP Splash	1,302	3,482	2,884	-55%	\$ 7,934	\$ 19,762	\$ 15,132	-48%
Hudson Mills Rip Slide	0	159	129	-	\$ -	\$ 1,502	\$ 892	-
Lower Huron	1,811	5,307	4,575	-60%	\$ 18,719	\$ 53,072	\$ 44,189	-58%
Willow	435	1,650	1,178	-63%	\$ 2,570	\$ 7,952	\$ 5,534	-54%
Lake Erie	699	3,145	2,646	-74%	\$ 6,099	\$ 24,703	\$ 16,186	-62%
TOTALS	5,385	19,851	16,760	-68%	\$ 47,520	\$ 137,861	\$ 104,079	-54%

AQUATICS Y-T-D	PATRONS Y-T-D				REVENUE Y-T-D			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St. Clair	0	4,229	3,306	-	\$ 6,420	\$ 21,132	\$ 14,596	-56%
Stony Creek Rip Slide	1,138	1,879	2,041	-44%	\$ 5,778	\$ 9,738	\$ 7,549	-23%
KMP Splash	1,302	3,482	2,884	-55%	\$ 10,334	\$ 22,052	\$ 16,912	-39%
Hudson Mills Rip Slide	0	159	129	-	\$ -	\$ 1,502	\$ 892	-
Lower Huron	1,811	5,307	4,575	-60%	\$ 18,719	\$ 53,072	\$ 44,189	-58%
Willow	435	1,650	1,178	-63%	\$ 2,570	\$ 7,952	\$ 5,534	-54%
Lake Erie	699	3,145	2,646	-74%	\$ 6,099	\$ 24,703	\$ 16,186	-62%
TOTALS	5,385	19,851	16,760	-68%	\$ 49,920	\$ 140,151	\$ 105,859	-53%

HURON-CLINTON METROPARKS MONTHLY STATISTICS

May, 2017

PARK	Seasonal Activities this Month				Monthly Revenue			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St. Clair								
Welsh Center	0	1	3	-	\$ 800	\$ 2,200	\$ 3,133	-74%
Shelters	28	56	49	-42%	\$ 8,700	\$ 13,520	\$ 13,375	-35%
Boat Launches	650	622	646	1%	\$ -	\$ -	\$ -	-
Marina	426	555	447	-5%	\$ 328	\$ 2,250	\$ 2,209	-85%
Mini-Golf	620	713	752	-18%	\$ 2,229	\$ 2,586	\$ 2,609	-15%
Wolcott								
Activity Center	10	6	11	-6%	\$ 1,500	\$ 1,500	\$ 2,990	-50%
Stony Creek								
Disc Golf Daily	2,110	2,977	3,450	-39%	\$ 6,330	\$ 10,001	\$ 9,386	-33%
Disc Golf Annual	17	29	24	-28%	\$ 895	\$ 1,475	\$ 1,112	-19%
Total Disc Golf	2,127	3,006	3,474	-39%	\$ 7,225	\$ 11,476	\$ 10,498	-31%
Shelters	65	73	60	9%	\$ 14,625	\$ 14,625	\$ 14,108	4%
Boat Rental	1,154	1,668	1,988	-42%	\$ 12,539	\$ 17,538	\$ 19,130	-34%
Boat Launches	126	54	213	-41%	\$ -	\$ -	\$ -	-
Indian Springs								
Shelters	3	11	12	-74%	\$ 450	\$ 1,450	\$ 1,483	-70%
Event Room	4	4	4	-8%	\$ 7,900	\$ 7,070	\$ 7,129	11%
Kensington								
Disc Golf Daily	3,309	4,181	5,256	-37%	\$ 9,927	\$ 12,543	\$ 12,439	-20%
Disc Golf Annual	19	24	26	-26%	\$ 1,045	\$ 1,160	\$ 1,230	-15%
Total Disc Golf	3,328	4,205	5,281	-37%	\$ 10,972	\$ 13,703	\$ 13,670	-20%
Shelters	65	75	76	-14%	\$ 14,625	\$ 18,500	\$ 17,542	-17%
Boat Rental	1,345	1,957	2,013	-33%	\$ 16,223	\$ 26,408	\$ 24,899	-35%
Huron Meadows								
Shelters	4	4	4	9%	\$ 800	\$ 1,400	\$ 933	-14%
Hudson Mills								
Disc Golf Daily	1,468	1,464	1,937	-24%	\$ 4,404	\$ 4,392	\$ 4,982	-12%
Disc Golf Annual	21	21	27	-22%	\$ 1,115	\$ 1,115	\$ 1,312	-15%
Total Disc Golf	1,489	1,485	1,964	-24%	\$ 5,519	\$ 5,507	\$ 6,294	-12%
Shelters	21	16	19	11%	\$ 4,200	\$ 3,200	\$ 3,800	11%
Canoe Rental	213	522	380	-44%	\$ 982	\$ 2,398	\$ 1,866	-47%
Lower Huron / Willow / Oakwoods								
Shelters	49	45	43	15%	\$ 10,600	\$ 9,450	\$ 9,150	16%
Lake Erie								
Shelters	13	15	12	11%	\$ 2,900	\$ 3,600	\$ 2,700	7%
Boat Launches	2,117	2,394	2,074	2%	\$ -	\$ -	\$ -	-
Marina	0	0	5	-	\$ 26,378	\$ 28,065	\$ 28,590	-8%

HURON-CLINTON METROPARKS MONTHLY STATISTICS

May, 2017

PARK	Seasonal Activities Y-T-D				Seasonal Revenue Y-T-D			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St. Clair								
Welsh Center	23	9	17	33%	\$ 19,200	\$ 8,675	\$ 12,242	57%
Shelters	112	147	117	-5%	\$ 32,750	\$ 36,345	\$ 36,367	-10%
Boat Launches	763	872	755	1%	\$ -	\$ -	\$ -	-
Marina	427	559	448	-5%	\$ 342	\$ 2,278	\$ 2,244	-85%
Mini-Golf	620	713	752	-18%	\$ 2,229	\$ 2,586	\$ 2,609	-15%
Wolcott								
Activity Center	38	34	44	-14%	\$ 7,000	\$ 8,000	\$ 9,923	-29%
Stony Creek								
Disc Golf Daily	4,991	5,470	5,915	-16%	\$ 15,051	\$ 17,480	\$ 15,997	-6%
Disc Annual	117	121	90	30%	\$ 6,275	\$ 6,375	\$ 4,398	43%
Total Disc Golf	5,108	5,591	6,004	-15%	\$ 21,326	\$ 23,855	\$ 20,395	5%
Shelters	191	228	205	-7%	\$ 42,875	\$ 45,435	\$ 44,145	-3%
Boat Rental	1,154	1,668	1,988	-42%	\$ 12,539	\$ 17,538	\$ 19,130	-34%
Boat Launches	149	75	294	-49%	\$ -	\$ -	\$ -	-
Indian Springs								
Shelters	16	29	27	-41%	\$ 3,050	\$ 4,450	\$ 4,250	-28%
Event Room	25	23	18	42%	\$ 45,400	\$ 40,370	\$ 29,799	52%
Kensington								
Disc Golf Daily	7,971	8,112	8,311	-4%	\$ 23,913	\$ 24,336	\$ 21,985	9%
Disc Annual	83	133	134	-38%	\$ 5,122	\$ 7,015	\$ 6,325	-19%
Total Disc Golf	8,054	8,245	8,445	-5%	\$ 29,035	\$ 31,351	\$ 28,311	3%
Shelters	209	227	258	-19%	\$ 51,200	\$ 58,035	\$ 60,377	-15%
Boat Rental	1,345	1,957	2,013	-33%	\$ 16,223	\$ 26,408	\$ 24,899	-35%
Huron Meadows								
Shelters	11	15	13	-18%	\$ 2,200	\$ 3,800	\$ 3,000	-27%
Hudson Mills								
Disc Golf Daily	4,021	3,239	3,855	4%	\$ 12,063	\$ 9,717	\$ 10,120	19%
Disc Annual	135	106	117	16%	\$ 7,225	\$ 5,670	\$ 5,763	25%
Total Disc Golf	4,156	3,345	3,971	5%	\$ 19,288	\$ 15,387	\$ 15,883	21%
Shelters	64	58	63	1%	\$ 12,800	\$ 11,600	\$ 12,667	1%
Canoe Rental	213	522	380	-44%	\$ 5,698	\$ 2,398	\$ 1,866	205%
Lower Huron / Willow / Oakwoods								
Shelters	153	163	155	-1%	\$ 22,950	\$ 35,375	\$ 33,525	-32%
Lake Erie								
Shelters	31	41	41	-24%	\$ 4,100	\$ 9,300	\$ 9,167	-55%
Boat Launches	5,884	6,330	4,935	19%	\$ -	\$ -	\$ -	-
Marina	0	3	6	-	\$ 21,283	\$ 53,322	\$ 52,949	-60%

INTERPRETIVE FACILITIES

PARK	Monthly Patrons Served				YTD Patrons Served			
	(total program participants and non-program visitors)				(total program participants and non-program visitors)			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St Clair	26,420	26,014	24,883	6%	67,611	53,390	56,244	20%
Wolcott Mill	3,789	6,102	4,331	-13%	13,969	16,727	12,868	9%
Wolcott Farm	5,496	16,322	11,070	-50%	18,760	32,141	27,855	-33%
Stony Creek	21,752	23,461	21,655	0%	82,592	80,025	75,129	10%
Eastern Mobile Center	585	1,047	816	-28%	8,317	3,263	5,790	44%
Indian Springs	13,377	12,876	13,802	-3%	31,727	32,021	33,021	-4%
Kens NC	28,985	34,042	32,690	-11%	106,991	110,178	108,295	-1%
Kens Farm	0	40,067	28,432	-	69,613	120,200	106,316	-35%
Western Mobile Center	491	1,261	1,928	-75%	4,980	8,579	9,714	-49%
Hudson Mills	2,771	3,583	3,692	-25%	14,729	16,526	17,337	-15%
Oakwoods	14,401	15,918	15,147	-5%	59,388	64,873	56,598	5%
Lake Erie	12,912	11,681	10,117	28%	56,098	38,049	36,303	55%
Southern Mobile Center	2,014	1,506	1,760	14%	4,014	2,237	3,126	28%
Totals	132,993	193,880	170,324	-22%	538,789	578,209	548,597	-2%

PARK	Monthly Revenue				YTD Revenue			
	Current	Previous	Prev 3 Yr Avg	Change from Average	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St Clair	\$ 6,862	\$ 5,814	\$ 5,639	22%	\$ 15,248	\$ 14,564	\$ 12,655	20%
Wolcott Mill	\$ 939	\$ 1,491	\$ 1,083	-13%	\$ 6,349	\$ 5,869	\$ 5,429	17%
Wolcott Farm	\$ 9,782	\$ 8,246	\$ 8,595	14%	\$ 39,988	\$ 33,241	\$ 32,037	25%
Wagon Rides	\$ 2,265	\$ 1,902	\$ 1,101	106%	\$ 7,709	\$ 4,689	\$ 3,024	155%
Livestock/Produce	\$ 2,343	\$ 1,796	\$ 2,089	12%	\$ 13,052	\$ 7,070	\$ 15,567	-16%
FARM TOTAL	\$ 14,390	\$ 11,944	\$ 11,785	22%	\$ 60,749	\$ 45,000	\$ 50,628	20%
Stony Creek	\$ 4,188	\$ 5,456	\$ 4,223	-1%	\$ 13,048	\$ 13,053	\$ 11,124	17%
Eastern Mobile Center	\$ 430	\$ 280	\$ 93	361%	\$ 2,630	\$ 280	\$ 93	2718%
Indian Springs	\$ 4,184	\$ 6,056	\$ 6,961	-40%	\$ 12,922	\$ 14,118	\$ 15,620	-17%
Kens NC	\$ 6,371	\$ 4,465	\$ 4,285	49%	\$ 13,610	\$ 14,330	\$ 11,336	20%
Kens Farm	\$ 4,743	\$ 6,377	\$ 5,707	-17%	\$ 18,246	\$ 43,686	\$ 32,753	-44%
Wagon Rides	\$ 3,725	\$ 2,768	\$ 3,090	21%	\$ 16,720	\$ 13,534	\$ 12,033	39%
Livestock/Produce	\$ 150	\$ 593	\$ 590	-75%	\$ 3,420	\$ 10,658	\$ 9,660	-65%
FARM TOTAL	\$ 8,618	\$ 9,738	\$ 9,387	-8%	\$ 38,386	\$ 67,878	\$ 54,445	-29%
Western Mobile Center	\$ 775	\$ 3,663	\$ 2,533	-69%	\$ 9,810	\$ 13,842	\$ 11,395	-14%
Hudson Mills	\$ 1,038	\$ 1,384	\$ 1,521	-32%	\$ 5,705	\$ 7,357	\$ 8,035	-29%
Oakwoods	\$ -	\$ 2,163	\$ 2,973	-	\$ 4,546	\$ 6,035	\$ 6,533	-30%
Lake Erie	\$ -	\$ 1,327	\$ 1,471	-	\$ 7,343	\$ 4,584	\$ 4,872	51%
Southern Mobile Center	\$ -	\$ 244	\$ 81	-	\$ 3,380	\$ 419	\$ 140	2320%
Totals	\$ 47,794	\$ 54,024	\$ 52,036	-8%	\$ 193,726	\$ 207,328	\$ 192,305	1%

BREAKDOWN OF ATTENDANCE	ON-SITE Programs and Attendance				OFF-SITE Programs and Attendance			
	CURRENT YEAR		PREVIOUS YEAR		CURRENT YEAR		PREVIOUS YEAR	
	Programs	Attendance	Programs	Attendance	Programs	Attendance	Programs	Attendance
Lake St Clair	187	4,684	115	4,368	-	-	-	-
Wolcott Mill	5	275	6	99	1	1,000	-	-
Wolcott Farm	83	2,105	71	2,226	1	40	4	155
Stony Creek	105	3,252	142	4,395	-	-	3	100
Eastern Mobile Center					22	585	7	1,047
Indian Springs	90	5,611	85	5,125	12	704	16	617
Kens NC	68	2,302	64	1,714	5	232	9	284
Kens Farm	-	-	144	3,281	-	-	-	-
Western Mobile Center					17	491	39	1,261
Hudson Mills	4	79	29	913	6	192	5	170
Oakwoods	30	731	60	1,487	-	-	-	-
Lake Erie	56	1,368	68	1,118	1	25	-	-
Southern Mobile Center					21	2,014	19	1,506
Totals	628	20,407	784	24,726	86	5,283	102	5,140

BREAKDOWN OF ATTENDANCE	OTHER VISITORS (Non-programs)	
	Current	Previous
Lake St Clair	21,736	21,646
Wolcott Mill	2,514	6,003
Wolcott Farm	3,351	13,941
Stony Creek	18,500	18,966
Indian Springs	7,062	7,134
Kens NC	26,451	32,044
Kens Farm	-	36,786
Hudson Mills	2,500	2,500
Oakwoods	13,670	14,431
Lake Erie	11,519	10,563
Totals	107,303	164,014

"ON-SITE" - Statistics includes both programs offered to the public and programs offered to school and scout groups.

"OFF-SITE" - Statistics includes outreach programs at schools, special events such as local fairs, or outdoor related trade shows.

"OTHER VISITORS" - Represents patrons to interpretive centers who visit to view exhibits, walk trails, and generally just enjoy the outdoors.