



CITY of NOVI CITY COUNCIL

Agenda Item F
June 4, 2018

SUBJECT: Approval to award civil engineering services to AECOM for construction engineering services associated with the Villa Barr Park Pedestrian Path and Parking Lot Additions in the amount of \$27,576.68.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division

CITY MANAGER APPROVAL: 

EXPENDITURE REQUIRED	\$ 27,576.68
AMOUNT BUDGETED	\$ 299,344
APPROPRIATION REQUIRED	N/A
LINE ITEM NUMBER	400-691.00-977.014

BACKGROUND INFORMATION:

In 2013, the City of Novi reached an agreement with internationally famed artist David Barr and Beth Dwaihy-Barr to purchase their four-acre property with the intention of developing the site into an art park and cultural destination, complete with a home, studio, and sculpture garden. Since that time, both David and Beth have passed, and the City has worked with the Estate of David Barr and the Friends of Villa Barr group to ready the property for public use. In order to make the park accessible, a plan for a parking lot with five parking spaces, a bus drop-off within the parking lot, and handicap-accessible pathways were developed.

The approaches to Villa Barr Park will be completed by the Road Commission for Oakland County. The parking lot will be one-way with a dedicated entrance and exit. A proposed five-foot path will lead from the proposed parking lot to the pond located in the rear of the existing residence. The path will be chip stone on aggregate base with a geo-grid interlayer fabric.

AECOM, the City's Engineering Consultant, assisted the Engineering Division with developing the plans for this project. Staff advertised the plans for public bids on May 4, 2018. The construction phase engineering fees are determined using two components: 1) The contract administration fee, using the fee percentage in Exhibit B of the Agreement for Professional Engineering Services for Public Projects; 2) The construction inspection fee, using a cost per inspection (crew) day from Exhibit B of the consultant's agreement, multiplied by the number of days of inspection specified by the contractor.

The construction phase engineering fees for this project include a contract administration fee of \$14,976.68 (7.75% of the \$193,247.50 construction bid) and an inspection fee of \$12,600 (\$700 per crew day, multiplied by the 18 days provided in the contractor's bid) for a total fee of \$27,576.68. The construction contract award is proposed for consideration elsewhere on this agenda. The project will be substantially complete by fall 2018.

RECOMMENDED ACTION: Approval to award civil engineering services to AECOM for construction engineering services associated with the Villa Barr Park Pedestrian Path and Parking Lot Additions in the amount of \$27,576.68.

Villa Barr Park Pedestrian Path

Location Map

22800
NAPIER RD

Villa Barr Park
22600
NAPIER RD

Napier Rd

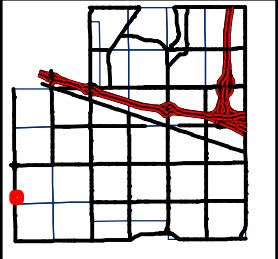
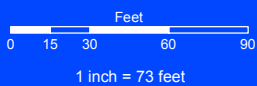
NAPIER RD

Map Author: Joseph Akers
Date: May 18, 2018
Project: Villa Barr Park Pedestrian Path
Version #: 1

Amended By:
Date:
Department:

MAP INTERPRETATION NOTICE

Map information depicted is not intended to replace or substitute for any official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. Boundary measurements and area calculations are approximate and should not be construed as survey measurements performed by a licensed Michigan Surveyor as defined in Michigan Public Act 132 of 1970 as amended. Please contact the City GIS Manager to confirm source and accuracy information related to this map.



City of Novi
Engineering Division
Department of Public Services
26300 Lee BeGole Drive
Novi, MI 48375
cityofnovi.org



May 21, 2018

Mr. Joseph Akers
City of Novi
Engineering Department
26300 Lee BeGole Dr
Novi, MI 48375

Reference: Villa Barr Park Pedestrian Path – Construction Engineering Services
AECOM Project Number 60548809

Dear Mr. Akers:

AECOM is pleased to provide the following proposal for Construction Engineer for the Villa Barr Park Pedestrian Path project in accordance with the Civil Engineering Master Services Agreement dated December 18, 2017.

Project Overview and Scope of Services

This project includes grading and paving of the driveway and parking lot, and grading of the pedestrian path. Our Construction Engineering services will include Construction Contract Administration and Inspection, as defined in the Civil Engineering Master Services Agreement.

Construction Cost and Proposed Fees

Construction Administration fee is based on a percentage of the as bid construction cost and the percentage used is based on the type of proposed work, as defined in the original Agreement. The fees for this project will be based on the “Non-Motorized” rates in the fee table.

Construction Inspection Services will be provided for \$700.00 per crew day as described in the original Agreement. The original budget will be that of the Crew Day bid amount of the awarded Contractor.

CONSTRUCTION ADMINISTRATION: $\$193,247.50 \times 7.75\% = \$14,976.68$
CONSTRUCTION INSPECTION: $\$700.00/\text{Crew Day} \times 18 \text{ Days} = \$12,600$
TOTAL: \$27,576.68

Please feel free to contact me if you have any questions regarding this matter.

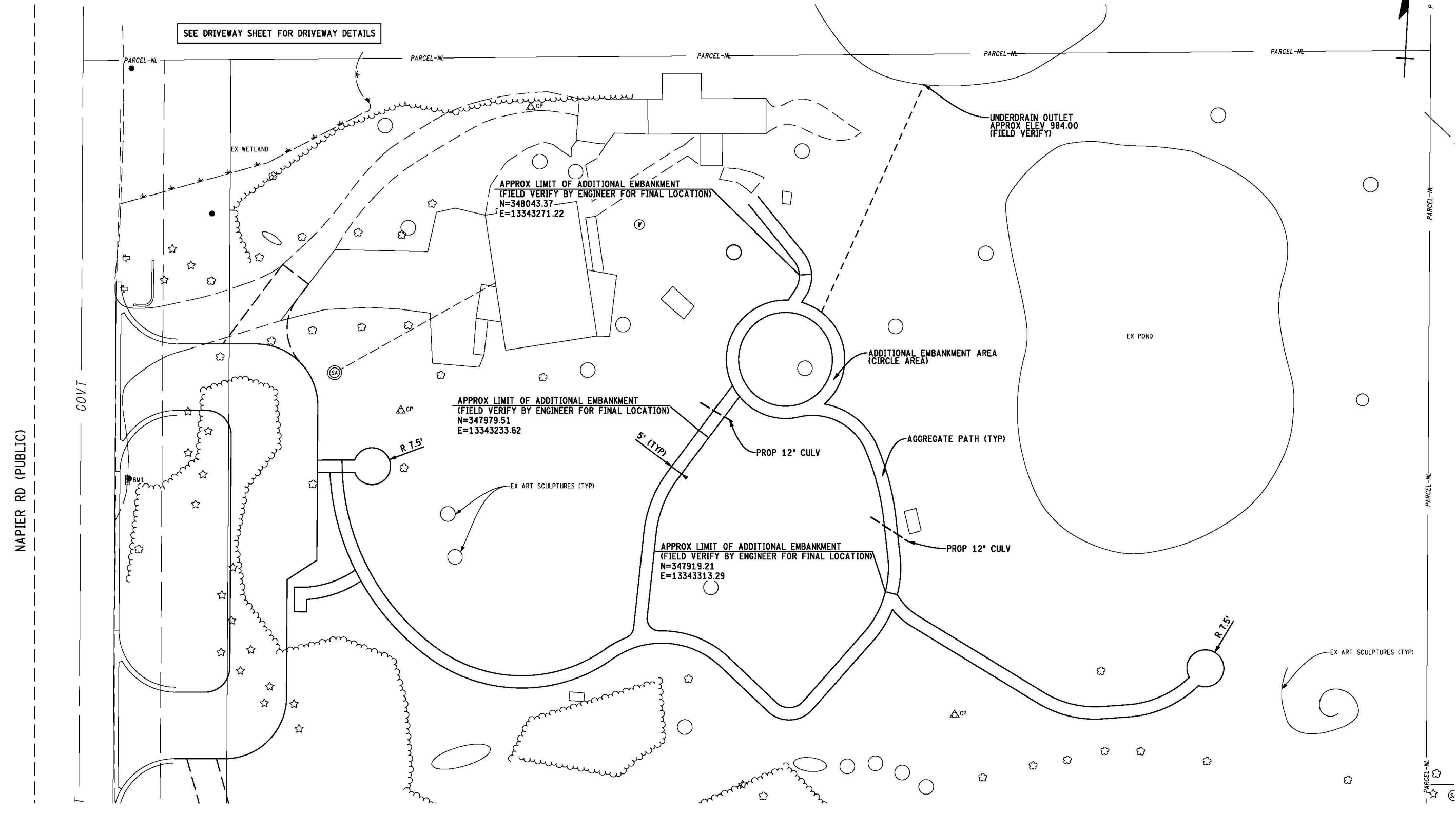
Sincerely,

Sean Kelsch, P.E.
Project Manager

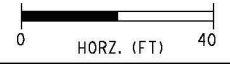
CITY OF NOVI BENCHMARK #3034
 NORTHING: 347947.74
 EASTING: 13343000.73
 ELEV: 988.64
 DESC: BENCH TIE SET IN WEST FACE OF POWER POLE
 LOCATED 22 FEET EAST OF CENTERLINE OF NAPIER ROAD
 AND 50 FEET SOUTH OF DRIVE #22600 NAPIER ROAD

CITY OF NOVI BENCHMARK #3035
 NORTHING: 348881.27
 EASTING: 13342952.33
 ELEV: 989.31
 DESC: BENCH TIE SET IN WEST FACE OF POWER POLE
 LOCATED 18 FEET EAST CENTERLINE OF NAPIER ROAD
 AND ACROSS FROM DRIVE #22851 NAPIER ROAD

SEE DRIVEWAY SHEET FOR DRIVEWAY DETAILS



NOTE: FINAL UNDERDRAIN LOCATION AS DIRECTED BY ENGINEER



FILE:2017_VILLA_BARR_PATHWAY_PLANDGN
AUTH DATE REVISION



VILLA BARR PARK PEDESTRIAN PATH
 VILLA BARR PATHWAY

JOB	2017
DATE	5/4/2018
SHEET	7

FILE:2017_VILLA_BARR_PARKINGLOT_PLAN.DGN
AUTH DATE REVISION



VILLA BARR PARK PEDESTRIAN PATH
PARKING LOT PERMANENT PAVEMENT MARKING AND SIGNING

JOB 2017
DATE 5/4/2018
SHEET 9



PAVT MRKG, WATERBORNE, FOR REST AREAS,
PARKS, & LOTS, 4 INCH, WHITE

RESERVED PARKING ONLY
R7-8 (12" X 18")
1.5 Sft Sign, Type IIIA
14 Ft Post, Steel, 3 lb

VAN ACCESSIBLE
R7-8p (12" X 6")
0.5 Sft Sign, Type IIIA

PAVT MRKG, WATERBORNE, FOR REST AREAS,
PARKS, & LOTS, 4 INCH, BLUE

CROSSHATCHING
(4' SPACING @ 45°)
(TYP.)

PAVT MRKG, WATERBORNE, FOR REST AREAS,
PARKS, & LOTS, 4 INCH, WHITE

ONE WAY
R6-2L (24" X 30")
5 Sft Sign, Type IIIB
(FACING NORTH)

ONE WAY
R6-2R (24" X 30")
5 Sft Sign, Type IIIB
14 Ft Post, Steel, 3 lb
(FACING SOUTH)

PAVT MRKG, OVLY COLD PLASTIC,
ASSESSIBLE SYMBOL

PAVT MRKG, OVLY COLD PLASTIC,
THRU ARROW SYMBOL

PAVT MRKG, OVLY COLD PLASTIC,
THRU ARROW SYMBOL

R6-2R (24" X 30")
5 Sft Sign, Type IIIB
(FACING NORTH)

R6-2L (24" X 30")
5 Sft Sign, Type IIIB
14 Ft Post, Steel, 3 lb
(FACING SOUTH)

NAPIER RD (PUBLIC)

ALL PAVEMENT MARKINGS AND SIGNS SHALL
BE COMPLIANT WITH THE MOST RECENT VERSION
OF THE MICHIGAN MANUAL ON UNIFORM TRAFFIC
CONTROL DEVICES (MMUTCD).

