



CITY OF NOVI CITY COUNCIL
MAY 23, 2022

SUBJECT: Approval to award engineering design services to OHM Advisors for design of Jessica's Splash Pad, in the amount of \$110,975.00 and amend the budget.

SUBMITTING DEPARTMENT: Parks, Recreation and Cultural Services
Department of Public Works, Engineering Division

EXPENDITURE REQUIRED	\$ 110,975.00
AMOUNT BUDGETED	\$ 0.00
APPROPRIATION REQUIRED	\$ 110,975.00
LINE ITEM NUMBER	400-691.00-977.037

BACKGROUND INFORMATION:

A splash pad is being planned at the Bosco Fields park on 11 Mile Rd and Beck Rd in honor of former FOX 2 Meteorologist Jessica Starr-Rose. City Council has set a goal to "Construct and open a world-class splash pad at Bosco Fields by July 4, 2023. Funds secured from the activities performed by the Starr Family and Novi Parks Foundation will be turned over to the City when completed for naming rights. The City will fund the balance of the development costs."

The splash pad is proposed for the southwest corner of the former Bosco house property. A new building with a 20' x 20' mechanical room will house the controls for the splash pad, along with restrooms and changing areas. Water service and sanitary sewer service will be extended from Beck Road to connect to the restrooms and splash pad. A splash pad design has been selected, which consists of a 4,500 square-foot pad with a recirculating water system.

City engineering consultant, OHM Advisors, has experience with splashpad construction including projects in the City of Rochester Hills and City of Auburn Hills. OHM met with City staff to discuss the project and has prepared a scope of services which includes a schematic design of the splash pad, construction plans and documents, and bidding assistance. The attached design engineering services proposal outlines the detailed

scope of services. The design fee for this project will be \$110,975. The fee is based on the anticipated number of staff hours at the standard contract rate of \$115/hour. Design of this project would begin following award with construction expected to start later this year.

RECOMMENDED ACTION: Approval to award engineering design services to OHM Advisors for design of Jessica's Splash Pad, in the amount of \$110,975.00 and amend the budget.



April 22, 2022

Jeffrey Muck
Director Parks, Recreation & Cultural Services
City of Novi
45175 Ten Mile Road
Novi, MI 48375

Regarding: Request for Professional Services
Jessica's Splashpad at Bosco Fields

Dear Mr. Muck,

Thank you for the opportunity to submit this proposal for the professional services for the Jessica's Splashpad project. This letter presents our understanding of the project and proposed scope of services, assumptions, schedule, and fee.

PROJECT UNDERSTANDING

The City of Novi desires to construct a splashpad at the Bosco Fields property, located on 11 Mile and Beck Road. The project is a joint effort between the City, Novi Parks Foundation, and the Starr-Rose family to construct the splashpad in memory of Jessica Starr-Rose. The splashpad is proposed to be located in the southwest corner of the former Bosco house property, which is owned by the City. The existing controls for the Bosco Fields irrigation system are located at the site, which can be incorporated into the new facility mechanical room. Water supply and sanitary sewer service are available from the Beck Road right-of-way. The proposed location is ideal as there is existing parking, the proposed restroom can support field users, and the site is highly visible.

The improvements include a new splashpad, building which includes restroom facilities and mechanical room, and associated landscapes and hardscapes associated with the new facilities. A splashpad design has already been created and consists of a 4,500 square-foot pad with a recirculating water system. Mechanical systems for the splashpad have been conceptually laid out and require a 20'x20' room with associated equipment, two (2) 50-gallon underground chemical reservoirs, and 2000-gallon underground water containment system. The City desires to provide restrooms along with the splashpad in order to support the needs of this site improvement. The restrooms will be 3 season only, and winterized during the off-season.

It is our understanding that the City has engaged Vortex Aquatic Structures for the design and implementation of the splashpad. The OHM Team has worked with Vortex on previous projects and is familiar with the coordination items necessary to successfully complete the project.

SCOPE OF SERVICES

Task One: Schematic Design

Working closely with the Owner, we will develop initial concepts for building layouts and elevation studies and do initial site design study to confirm utilities, limits of work, and landscaping/site features. Concept design will be completed through the following tasks:



Kickoff Meeting and Concept Study (Design Meeting 1)

Initial meeting to review initial data gather and building concepts. Our team will develop initial building concept floor plan and building elevations with material concepts for review with the City. Team will review building MEP system needs with preliminary layouts and sizing to confirm site utilities are adequately sized.

Design Meeting 2

Design meeting to review schematic drawings including site plan, landscape plan, and architectural floor plan and building elevations. Review of initial utility layouts and grading concepts. Discuss opinion of probable cost for project.

Task 1 Deliverables

- ▼ Schematic Design Package including
 - Site plan defining road, parking and sidewalk layouts; locations and sizes of main utility runs to service the building.
 - Landscape plan defining scope of landscape
 - Architectural Floor plans and building elevations
 - MEP and structural System narratives
- ▼ Opinion of Probable Cost

Task 2: Design Documents

During this task, OHM will work closely with the Owner to develop and finalize the design for bidding and construction.

Construction Documentation (Design Meeting 3)

Using feedback from the Owner, our team will finalize construction documents and review documents with Owner during design meeting 3. Meeting will include review of color options from samples, basis of design package including options for all cut sheets and products included on project. This will include the following scope:

- ▼ Site/Civil Design
 - Existing Conditions Plan
 - Soil Erosion and Sedimentation Plan
 - Demolition Plan
 - Site Layout and Materials
 - Site Grading
 - Site Utilities
 - Site Details
- ▼ Landscape Design
 - Planting Plan
 - Planting Details
- ▼ Architectural Design:
 - Floor and Roof plans
 - Building elevations, sections, and details.
 - Schedules and materials selections
- ▼ Structural Design:
 - Foundation and framing plans
 - Details and schedules.
- ▼ Mechanical design
 - Finalize equipment selection of ventilation, exhaust and mechanical equipment
 - Prepare equipment schedules and construction details.



- Develop control diagrams and sequences of operation for new equipment.
- ▼ Plumbing Design:
 - Finalize equipment selection of plumbing fixtures. Size distribution systems and prepare drawings.
 - Prepare equipment schedules and construction details.
- ▼ Electrical Design:
 - Finalize power requirements for new equipment. Prepare power distribution.
 - Parking lot and building exterior lighting and associated controls.
 - Prepare wiring diagrams and construction details.
- ▼ Technical Specifications
- ▼ Opinion of Cost
 - Develop a revised opinion of cost

100% Construction Documents

We will finalize the drawing set and project manual in accordance with the Owner’s comments.

Task 2 Deliverables and Meetings

- ▼ 95% completion submittal and progress meetings
- ▼ Provide permit package for submittal to City for plan review.

Task 3: Bidding Assistance

OHM will provide the following during this phase:

- ▼ Assist with City to develop bid package for distribution
- ▼ Attendance of Pre-bid meeting
- ▼ Response to Contractor RFIs during bidding
- ▼ Issuance of Addendum for items requiring clarification
- ▼ Tabulation and review the bids and checking Contractor references.
- ▼ Provide a recommendation of the award of the project construction to a qualified contractor

ASSUMPTIONS AND CLARIFICATIONS

The above-listed scope of services was prepared with the following assumptions:

- ▼ Splash pad design is set, and equipment requirements are provided by Vortex. Additional system requirements for splashpad to be designed and detailed by Vortex.
- ▼ Geotechnical services are anticipated to be required for design and construction of this project but are not included in our scope of work. These services will be provided by the City’s Geotechnical Consultant under a separate contract.
- ▼ Existing topographic survey information for the Bosco Fields project to be provided by the City for use in preparing the design documents. Supplemental topographic survey collection may be required but is not included in the above scope.
- ▼ Attendance at public meetings is not necessary or included.

SCHEDULE

The following table outlines the task durations for major project milestones.

TASK	TASK DURATION (IN WEEKS)
Task 1: Schematic Design	8
Task 2: Design Documents	12
Task 3: Bidding Assistance	2-4



Potential schedule related items that may impact task durations are as follows:

- Client review times
- Permit/regulator review times (if applicable)

FEE

Our professional services will be performed in accordance with the *Civil Engineering Consulting Services Agreement between the City and OHM Advisors*. OHM Advisors will provide the above-outlined services for a not-to-exceed fee of one hundred ten thousand nine hundred seventy-five dollars (\$110,975). The costs are derived based on the anticipated number of staff hours at the standard contract rate of \$115/hour. The summary of hours and the task breakdown are as follows:

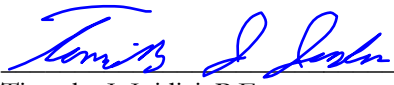
Task	Staff Hours	Rate	Amount
Task 1 – Schematic Design	260	\$ 115.00	\$29,900
Task 2 – Design Documents	652	\$ 115.00	\$74,980
Task 3 – Bidding Assistance	53	\$ 115.00	\$6,095
	Total		\$110,975

Thank you for giving us the opportunity to be of service. We look forward to working with you on this project. If you have any questions or need additional information, please contact our office. Should you find our proposal acceptable, please sign the authorization page below and return a copy to us for our file.

Sincerely,

OHM Advisors

Authorization to Proceed



Timothy J. Juidici, P.E.
Principal-in-Charge

Signature Date

Printed Name Title

cc: Jeff Herczeg, Director of Public Works
Ben Weaver, OHM Advisors
Chris Ozog, OHM Advisors

RESOLUTION

NOW, THEREFORE BE IT RESOLVED that the following
Budget Amendment for the Splash Pad is authorized:

	INCREASE (DECREASE)
Capital Improvement Program (CIP) Fund	
APPROPRIATIONS	
Capital Outlay	110,975
TOTAL APPROPRIATIONS	<u>\$ 110,975</u>
Net Increase (Decrease) to Fund Balance	<u><u>\$ (110,975)</u></u>











I hereby certify that the foregoing is a true and complete copy of a
resolution adopted by the City Council of the City of Novi
at a regular meeting held on May 23, 2022

Cortney Hanson
City Clerk

BOSCO FIELDS SPLASH PAD LOCATION MAP

Proposed Splash Pad Location

Legend

-  Parking
-  Seasonal Restrooms
-  Splash Pad
-  Gravel Path
-  Water Main
-  Sanitary Main
-  Right of Way
-  Leased from Novi Schools
-  Novi Schools Property
-  Private Property
-  City of Novi Property



CITY OF NOVI
 PARKS, RECREATION & CULTURAL SERVICES
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 45175 W. TEN MILE ROAD
 NOVI, MI 48375
 (248) 347-0400
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 MAP AUTHOR: K. BLOUGH



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.