



**COMMISSION ON STORM WATER ISSUES  
VIA VIDEOCONFERENCE  
Tuesday, April 6, 2021  
6:30 p.m.**

**IMPORTANT NOTICE REGARDING  
PUBLIC ACCESS & PARTICIPATION**

On March 20, 2020, City Manager Gregory Rose declared a State of Emergency for the City of University City due to the COVID-19 Pandemic. Due to the ongoing efforts to limit the spread of the COVID-19 virus, the April 6, 2021 meeting will be conducted via videoconference.

**Observe and/or Listen to the Meeting** (your options to join the meeting are below):

**Webinar** via the link below:

<https://us02web.zoom.us/j/87941258159?pwd=MGVrdkptRE9Ua0d6dW5JekFMUFF4UT09>

Password: 989598

**Audio Only Call**

iPhone one-tap :

US: +13126266799,,87941258159# or +19292056099,,87941258159#

Or Telephone:

US: +1 312 626 6799 or +1 929 205 6099 or +1 301 715 8592 or +1 346 248 7799 or +1 669 900 6833 or +1 253 215 8782 or 888 788 0099 (Toll Free) or 877 853 5247 (Toll Free)

Webinar ID: 879 4125 8159

**Citizen Participation and Public Hearing Comments:**

Those who wish to provide a comment during the "Citizen Participation" portion as indicated on the agenda; may provide written comments to Sinan Alpaslan ahead of the meeting.

ALL written comments must be received **no later than 12:00 p.m. the day of the meeting**. Comments may be sent via email to: [salpaslan@ucitymo.org](mailto:salpaslan@ucitymo.org), or mailed to the City Hall – 6801 Delmar Blvd. – Attention: Sinan Alpaslan. Such comments will be provided to Board/Commission member prior to the meeting. Comments will be made a part of the official record and made accessible to the public online following the meeting.

Please note, when submitting your comments, a **name and address must be provided**. Please also note if your comment is on an agenda or non-agenda item. If a name and address are not provided, the provided comment will not be recorded in the official record.

The City apologizes for any inconvenience the meeting format change may pose to individuals, but it is extremely important that extra measures be taken to protect employees, residents, and elected officials during these challenging times.



# **A G E N D A**

## **COMMISSION ON STORM WATER ISSUES MEETING**

**April 6, 2021 at 6:30 p.m.**

**Via Zoom**

- 1. MEETING CALLED TO ORDER**
- 2. ROLL CALL**
- 3. APPROVAL OF AGENDA**
- 4. APPROVAL OF MINUTES**
- 5. CITIZEN PARTICIPATION**

***Procedures for submitting comments for Citizen Participation and Public Hearings:***

ALL written comments must be received **no later than 12:00 p.m. the day of the meeting.** Comments may be sent via email to: [salpaslan@ucitymo.org](mailto:salpaslan@ucitymo.org), or mailed to the City Hall – 6801 Delmar Blvd. – Attention: Sinan Alpaslan. Such comments will be provided to the Commission on Storm Water Issues members prior to the meeting. Comments will be made a part of the official record and made accessible to the public online following the meeting *Please note, when submitting your comments, a **name and address must be provided.** Please also not if your comment is on an agenda or non-agenda item. If a name and address are not provided, the provided comment will not be recorded in the official record.*

**6. NEW BUSINESS**

- a. Relief Map Project – Update (Commissioner Holly) – please see Attachment #1
- b. Field Survey Work Project – Update (Commissioner Criss)
- c. US Army Corps of Engineers Upper River Des Peres Flood Risk Management Study – Update to Commission from three Technical Meetings attended by Commissioners Thompson, Karch and Staff member Alpaslan

**7. OLD BUSINESS**

- a. Flooding Early Warning System – Update and Upcoming Briefing to Council on April 12<sup>th</sup>
- b. Request for Proposals/Qualifications for Storm Water Master Plan – please see Attachment #2

**8. SUBCOMMITTEE REPORTS**

- a. Flood Early Warning System
- b. Communications

**9. MISCELLANEOUS BUSINESS**

- a. Sherwood Lake Update

**10. COUNCIL LIAISON COMMENTS**

**11. ADJOURNMENT**

Please call (314) 505-8572 or email [salpaslan@ucitymo.org](mailto:salpaslan@ucitymo.org) to confirm your attendance.

A relief map of University City, California, showing topographic contours and elevation. The map is color-coded by elevation, with higher elevations in shades of orange and red, and lower elevations in shades of green and blue. A thick black outline defines the city's irregular boundary. A network of red lines is overlaid on the map, representing a proposed storm water relief project. The text "University City Commission on Storm Water Relief Map Project" is centered over the map in a black serif font.

University City Commission on  
Storm Water  
Relief Map Project



# Progress Since Last Commission Meeting

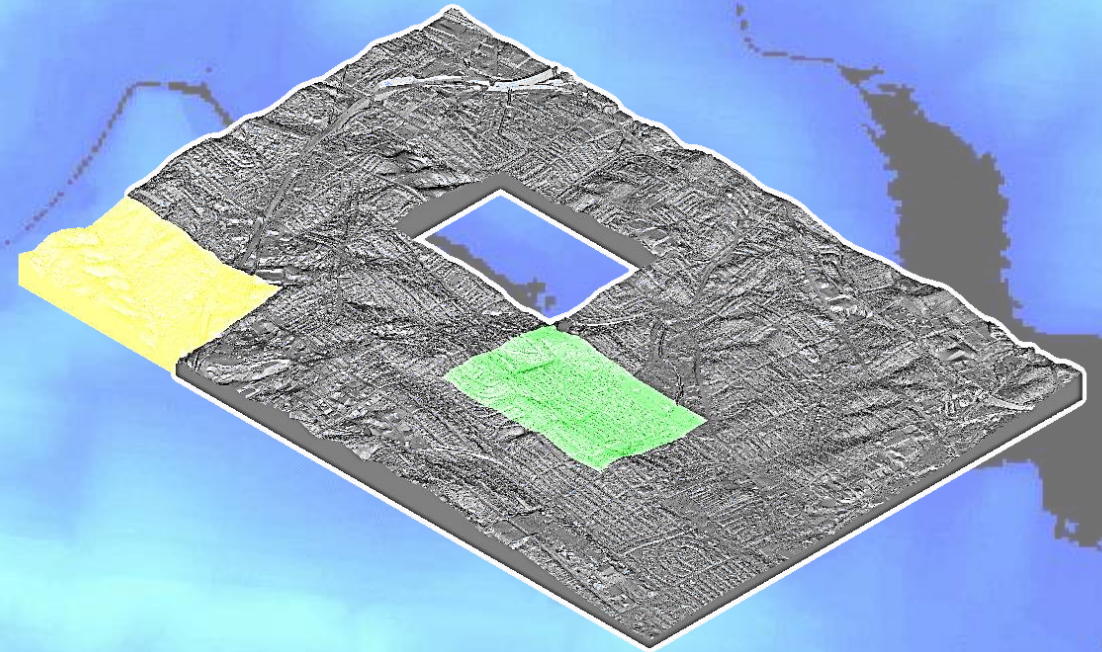
- Importing Survey Responses & Corps of Engineers Buyout Recommendations Into Topology Project Model
- Determined Cell Phone Surveyor Applications NOT Accurate Enough for Our Applications
- Submitted the Scaled Up 3-D Models to Printer for Estimate
- Contacted Arts and Letters Commission for Guidance on Engaging Artists (unproductive) . . . Then Contacted ED of Craft Alliance for Suggestions
- Initiated Discussion with Artist Collaborators about the Relief Map Project

# Topology Model

*The 3-D Test Model Cost \$50*



*To Scale Up The Model Had To Be Broken into Pieces to Fit Printer*



**Would Expect A 4X Scale-Up Cost: 16X (Area) To 64X (Volume) The Cost Of Test Model**



# Estimate From 3D Printer That Printed Test Map

- At \$1739.59 printing comes in between limits based on area & volume. (40%)
- Printing time **33 days!**

**3D PRINT SHOP**  
4243 Green Park Rd  
MO 63125  
314-202-8700  
kevin@3dprintshopstl.com  
www.3dprintshopstl.com

**Estimate**

Date	Estimate #
3/15/2021	69

Name / Address  
MARK HOLLY

Description	Qty	Rate	Total
LARGE DISPLAY - 16 PARTS	1	1,715.00	1,715.00
SHIPPING & HANDLING	1	24.50	24.50
<b>Total</b>			<b>\$1,739.50</b>



# Preliminary Conceptual Display

*Conceptual Display Design Employs Plywood, 2x4s, 0.25 in Baseboard and Standard Hardware*

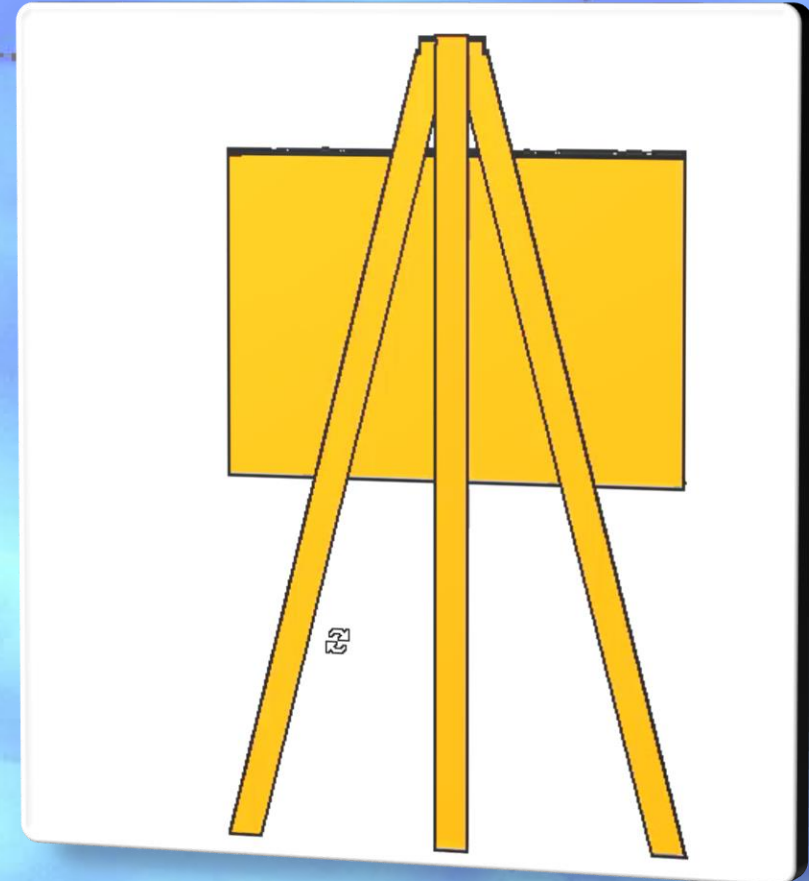
*Fully Dimensioned Drawings Can Be Created*



4 ft x 8 ft x  $\frac{3}{4}$  in Maple Plywood  
\$65.33  
2 in x 4 in x 8 ft Whitewood Stud  
 $\$6.55 \times 3 = \$19.65$   
 $\frac{1}{4}$  in x 5 in x 48 in Red Oak Trim  
 $\$24.99 \times 6 = \$149.94$ 

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Total = \$ 234.92



# Potential Artist Collaborators

## *Malaika Tolford*



- Chicago native, St. Louis dweller. I love art, science, and history, and I'm in a state of constant curiosity about the world, which I love sharing with you all through my work.



[https://www.stltoday.com/lifestyles/home-and-garden/made-in-st-louis-her-pottery-is-map-of-past-future/article\\_dc67869c-3b04-58af-8529-cf12ea1e7609.html](https://www.stltoday.com/lifestyles/home-and-garden/made-in-st-louis-her-pottery-is-map-of-past-future/article_dc67869c-3b04-58af-8529-cf12ea1e7609.html)

3/2/2021

## *Emma Nowlin*



- Meet MADE member Emma Nowlin- Emma is part of our Member Show at The Foundry Arts Centre in St. Charles! Emma uses MADE's 3D printers to make positives for her ceramic molds, which she then casts and fires at home.



- Both artists previous "Artists in Residence" at Craft Alliance





# Artists Proposal if Received Before Meeting



# Work Ahead

- Seek endorsement of Commission
- Explore next steps for city approval based on full estimate
- Explore possible educational collaboration with UCHS arts and STEM
- Continue to geocode and add survey responses and US Corps of Engineers buyout recommendations

MEMORANDUM  
DEPARTMENT OF PUBLIC WORKS

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**TO:** Todd Thompson, Chairman – Commission on Storm Water Issues

**FROM:** Sinan Alpaslan, Director of Public Works, Staff Liaison to Commission

**DATE:** April 2, 2021

**RE:** Evaluation of submittals in response to Requests for Qualifications (RFQ) for Stormwater Master Plan

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The department received 7 submittals of qualifications from engineering firms in response to the City's RFQ that closed on March 16.

Staff reviewed and cataloged the submittals and distributed to the 3 members of the staff evaluation panel composed of the following employees:

Mr. Eugene Kuelker, P.E. – Gene has been with the department of public works for over a year and works on the daily management of the sanitary sewer lateral program and oversight of the utility projects in the public right-of-way. He has also contributed to capital improvement projects such as lighting improvements and Transfer Station Scale Roadway and been familiarized with the project management methods employed by the department. Gene's prior experience to his employment at the department includes program management at City of St. Louis of the Lambert Expansion and its various projects. As part of that experience, Gene has evaluated, applied scoring and other qualitative justifications and made recommendations on consultant selection for several successfully delivered projects.

Mr. Mark Zaiontz – Mark works for the planning and development department as Senior Plans Examiner/Senior Building Inspector. In his daily work, Mark interacts with the public works department to resolve any building permit review issues with respect to land disturbance, drainage and stormwater management. Deeply knowledgeable of the International Building Code and other applicable codes and standards to residential and commercial building development projects, Mark brings to the panel a good blend of background in theoretical and practical application of best management practices in stormwater and drainage management, especially as it relates to the issues crossing private property boundaries.

Mr. Sinan Alpaslan, P.E. – Sinan has worked for the department in various roles including City Engineer for 10 years and accumulated experience in the project execution of consultant-performed studies and designs starting with scoping, consultant selection and contract negotiations. The engineering consulting work in Sinan's scope during his employment with the department has covered a broad range from energy

efficiency projects to solid waste/recycling to civil/transportation. Sinan is familiar with the applicability of the qualifications-based consultant selection process to the job at hand and approval phases of the recommended selection.

Staff evaluation panel has planned to complete their review of the proposals and, based on previously established scoring criteria, shortlist the submittals to 3 firms. The panel will then reach out to these 3 firms to set up selection interviews on Zoom and document the findings of the panel. I'd recommend, at this point (approximately mid-April), the findings be presented to a Subcommittee of our Commission, and working together with the Subcommittee, to come up with a recommendation to the Commission to be discussed at the May regular monthly meeting.

Following the Commission meeting in May and the development of the Commission's recommendation to City Council in the matter, staff will work to prepare the item for inclusion in a Council meeting agenda for the approval of a services contract with the selected firm.

Please advise of any comments and revisions to this plan as the Commission deems necessary for the Stormwater Master Plan consultant evaluation.

The list of consulting firms that have submitted Statements of Qualifications:

- 1) MECO-Heneghan Engineers
- 2) Access Engineering
- 3) Intuition & Logic
- 4) M3 Engineering Group
- 5) HR Green
- 6) Horner & Shifrin
- 7) EDM Incorporated