



Park Board
Agenda
Monday, May 17, 2021, 7:00 p.m.
Virtual Meeting



The first portion of the May 17, 2021 Park Board meeting is a closed session which is not open to the public. The second portion of the Park Board agenda is an open session. Zoom information for the public session is listed above.

I. MOTION TO CLOSE THE MEETING PURSUANT TO RSMO CHAPTER 610.021 (1 - LEGAL) (Approximate time frame 7:00 p.m. to 7:20 p.m.)

II. MOTION TO OPEN THE MEETING

The meeting is now open to the public. Please see Zoom information above.

III. CITIZEN COMMENTS *(See instructions on the previous page for offering a comment. The public comment portion of the meeting is an opportunity to hear comments from citizens. It is not a question and answer session and the Park Board will not respond to comments or answer questions during the comment period. The Chairperson may refer any matter to staff or hold discussion during the "Other Matters" section of the meeting).*

IV. APPROVAL OF APRIL 19, 2021 MEETING MINUTES

V. COMMITTEE ASSIGNMENTS/REPORTS

- a. Partnership Committee

VI. UNFINISHED BUSINESS

- a. Strategic Plan Update
- b. Emmenegger Bank Stabilization Update

VII. NEW BUSINESS

- a. Quinette Cemetery - Grave Raising
- b. Partnership Committee – Legacy Program
- c. Other Matters

VIII. SUPERINTENDENT OF PARKS, HEAD RANGER AND VOLUNTEER COORDINATOR REPORTS



Park Board
Agenda
Monday, May 17, 2021, 7:00 p.m.
Virtual Meeting



IX. DIRECTOR'S REPORT

X. BOARD MEMBER COMMENTS

XI. ADJOURNMENT

Next Meeting – June 21, 2021

Staff Liaison: Kyle Henke. Phone: 314.822.5856 Email: henkekk@kirkwoodmo.org

Chair: Dave Hufford

Accommodation: The City of Kirkwood is interested in effective communication for all persons. Persons requiring an accommodation to attend and participate in the meeting should contact the City Clerk at 314-822-5802 at least 48 hours before the meeting. With advance notice of seven calendar days, the City of Kirkwood will provide interpreter services at public meetings for languages other than English and for the hearing impaired. Upon request, the minutes from this meeting can be made available in an alternate format, such as a CD, by calling 314-822-5802.

From the desk of:
Kyle Henke, Director of Parks and Recreation
111 S. Geyer Road, Kirkwood, MO 63122
Phone: 314-822-5856 Fax: 314-984-5931
E-mail: henkekk@kirkwoodmo.org



Memo

To: Kirkwood Park Board
From: Kyle Henke
Date: May 12, 2021
Re: April 17, 2021 Agenda Memo

Committee Reports

Partnership Committee – No meeting took place. This represents an opportunity for any committee members to update the group on the Alphonse Smith Memorial.

Unfinished Business

Strategic Planning Update – I would like to discuss having a separate meeting date and time established with members of the Park Board to discuss the Strategic Plan.

Emmenegger Bank Stabilization – Horner and Shiffrin is 95% complete with the drawings for the bank stabilization project. A "No Rise Flood Study and Certificate" is complete and will be sent to Sunset Hills for approval. Initial request for MSD approval is planned for submission later in the week. Included in the Packet are the drawings and the "No Rise Flood Study and Certificate".

New Business

Quinette Cemetery – The packet includes information related to the Park Boards responsibility to maintain the Cemetery. A grave location is sinking and a third party is requesting the grave be preserved. Staff will be seeking approval to repair the area.

Partnership Committee – A request to bring the Partnership Committee together for a separate meeting to discuss the "Greentree Legacy Program". Staff would like to

discuss several policies related to length of time a plaque is in place. The program brochure is included in the packet as reference for the Park Board.

Maintenance Report – Curt's report is included as is the report from Ron Hall, Head Park Ranger and Kylie Christanell, Volunteer Coordinator.

Director's Report – My report will include information on the following:

- I-44 Pedestrian Bridge Update
- Picnic Sites and Pavilions
- Sculptures
- Signs at Emmenegger
- 4th of July
- Greentree Festival
- Concerts in the Park

Kyle K. Henke

From: Gerald Brown <gbrown@sunset-hills.com>
Sent: Wednesday, May 12, 2021 5:05 PM
To: Kyle K. Henke
Subject: Re: Any Updates?

Warning! This message was sent from outside your organization and we are unable to verify the sender.

Kyle

I spoke with Ryan from Modot last week - they are sending over contract to sunset hills for money transfer, once we approve we will submit funds and then Modot will send out for bid

Gerald Brown,CPRP
Director of Parks & Recreation
City of Sunset Hills

On May 12, 2021, at 4:53 PM, Kyle K. Henke <henkekk@kirkwoodmo.org> wrote:

Gerald,

In preparation for Monday's meeting I am just checking in again for any updates about the overpass.

Thank you,

Kyle Henke
City of Kirkwood
Director of Parks & Recreation
Ph:314.822.5856
Fax:314-984-5931
henkekk@kirkwoodmo.org

<image001.png>

#WhereKirkwoodPlays



**Park Board
Agenda
Monday, May 17, 2021, 7:00 p.m.
Virtual Meeting**



SPECIAL ANNOUNCEMENT REGARDING PARK BOARD MEETINGS

Under Section 610.015 of the Mo. Sunshine Law provides that members of the Park Board who are not physically at the meeting site can participate and vote on all matters when an emergency exists and the nature of the emergency is stated in the minutes.

The U.S., and the world, is in a state of emergency due to the Coronavirus—Covid-19. Therefore, members of the Park Board have elected to participate in this meeting electronically for the public health and safety of each other and the general public.

To follow along with the Park Board meeting please see Zoom instructions below. If you wish to make a public comment, please submit your comment(s) to Director of Parks and Recreation, Kyle Henke at henkekk@kirkwoodmo.org, or mail them to 111 South Geyer Road, Kirkwood, MO 63122, by no later than 4 p.m. on May 17, 2021. A staff person will then read your comment(s) into the record. Please indicate on your correspondence that the comments are for the Public Comment portion of the meeting.

You are invited to a Zoom webinar.

When: May 17, 2021 07:00 PM Central Time (US and Canada)

Topic: Park Board

Please click the link below to join the webinar:

<https://us02web.zoom.us/j/84300681284>

Or One tap mobile :

US: +13126266799,,84300681284# or +19292056099,,84300681284#

Or Telephone:

Dial(for higher quality, dial a number based on your current location):

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

Webinar ID: 843 0068 1284

****SEE THE FOLLOWING PAGES FOR THE AGENDA**



**Park Board
Meeting Minutes
Monday, April 19, 2021, 7:00 p.m.
Virtual Meeting**



IN ATTENDANCE: The meeting was called order at 7:25 p.m. with President Dave Hufford, Alan Hopefl, Alvin Reid, Scott Stream, Jordan Wienke, Steve Ostrowski, Lara Goeke and Staff Liaison Kyle Henke in attendance.

I. CITIZEN COMMENTS

None

II. APPROVAL OF MARCH 3, 2021 MEETING MINUTES

A motion made by Lara Goeke to approve the March 3, 2021 meeting minutes, seconded by Jordan Wienke. Motion approved unanimously.

III. COMMITTEE REPORTS

- a. Partnership Committee – Alvin Reid gave a report on the progress on the Alphonse Smith Memorial

IV. UNFINISHED BUSINESS

- a. Strategic Plan- None
- b. Emmenegger Park Bank Stabilization – Kyle discussed current information related to the bank stabilization project.
- c. Jogging in Parks –
Motion made by Lara Goeke to remove no jogging from the signs at Emmenegger Park. Seconded by Alvin Reid.

The Board asked staff questions about any history of issues with jogging in Emmenegger Park and about what rules other cities have. Kyle and Curt reported no major issues with jogging in the past and that other cities in the area reported that they have no parks that restrict jogging.

Aye: Dave Hufford, Alvin Reid, Scott Stream, Jordan Wienke, Lara Goeke, Steve Ostrowski.
No: Alan Hopefl

Motion approved

V. NEW BUSINESS

- a. Backhoe Lease -
A motion by Scott Stream to approve a new 5-year lease contract of a backhoe from Erb Equipment Inc. at an annual cost of \$8627.28 and an aggregate amount for the 5 years of \$43136.40, seconded by Jordan Wienke. Motion approved unanimously.
- b. Election of Park Board Officers –
Motion by Scott Stream to nominate Matt Helbig as Park Board Treasurer, seconded by Alvin Reid. Motion approved unanimously.

Motion by Scott Stream to nominate Alan Hopefl as Park Board Vice President, seconded by Lara Goeke. Motion approved unanimously.



Motion by Scott Stream to nominate Jordan Wienke as Park Board President, seconded by Alan Hopefl. Motion approved unanimously.

- c. Other Matters – Dave Hufford asked where the Trails Committee was on a trail connecting Couch Rd. to Kirkwood Park. The Trails Committee members agreed that they would talk about this soon.

VI. SUPERINTENDENT OF PARKS REPORT

- a. Curt Carron discussed Superintendent of Parks' report.

VII. DIRECTORS REPORT

- a. Quinette Cemetery – Kyle discussed work that needs to be done at Quinette. There will be an agenda item at next month's Park Board meeting.
- b. Superintendent of Recreation Update – Kim Hedgpeth has been hired and started last week.
- c. I44 Pedestrian Bridge Update – Kyle updated the board on the status of the project.

VIII. BOARD COMMENTS

Alan Hopefl invited the Board to attend the arbor day planting at the Performing Arts Center on April 24th at 9am.

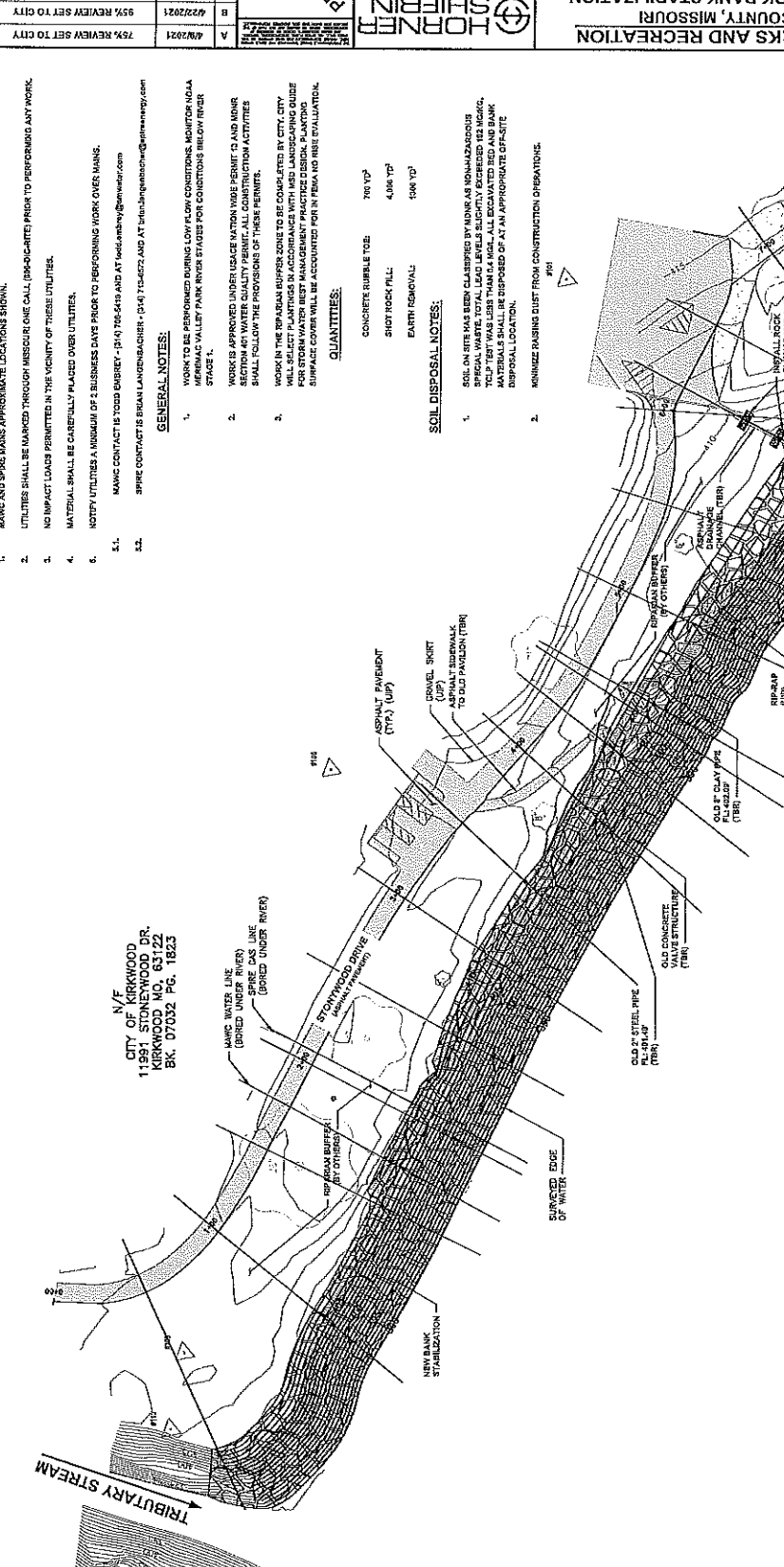
Alvin Reid asked what the current St. Louis County Covid guidelines were concerning outdoor events this summer.

Next meeting will be May 17, 2021.

- IX. ADJOURNMENT** – Chair Dave Hufford adjourned the meeting at 8:15 p.m.

N/F
 CITY OF KIRKWOOD
 11991 STONEYWOOD DR.
 KIRKWOOD, MO. 63122
 SK. 07002 PG. 1823

M&M WATER LINE (BRIED UNDER RIVER)
 SPRE GAS LINE (BRIED UNDER RIVER)
 STONEYWOOD DRIVE (BRIED UNDER RIVER)
 SURFACE EDGE OF WATER
 NEW BANK STABILIZATION
 TRIBUTARY STREAM
 MERAMEC RIVER



UTILITY NOTES:

1. M&M AND SPRE MARKS APPROXIMATE LOCATIONS SHOWN.
2. UTILITIES SHALL BE MARKED THROUGH MISSOURI ONE CALL (800) PRIOR TO PERFORMING ANY WORK.
3. NO IMPACT LOGS PRINTED IN THE VICINITY OF THESE UTILITIES.
4. MATERIAL SHALL BE CAREFULLY PLACED OVER UTILITIES.
5. NOTIFY UTILITIES A MINIMUM OF 5 BUSINESS DAYS PRIOR TO PERFORMING WORK OVER MAINS.
- 5.1. M&M CONTACT IS TODD SHREVEY - 314-736-5439 AND AT tshrevey@mmwater.com
- 5.2. SPRE CONTACT IS BRUCE LANDENBACHER - 314-736-5222 AND AT bruce@landenspr.com

GENERAL NOTES:

1. WORK TO BE PERFORMED DURING LOW FLOW CONDITIONS. MONITOR HOUSA MERRICK VALLEY PARK RIVER STAGES FOR CONDITIONS BEFORE WORK.
2. WORK IS APPROVED UNDER USE OF MERRICK VALLEY PERMIT 13 AND MERRICK VALLEY WATER QUALITY PUBLIC WORKS PERMIT 13 FOR ACTIVITIES SHALL FOLLOW THE PROVISIONS OF THESE PERMITS.
3. WORK IN THE MERRICK VALLEY SHALL BE COMPLETED BY CITY. CITY WILL SELECT PLANTINGS IN ACCORDANCE WITH CITY. CITY WILL PROVIDE FOR STORM WATER BEST MANAGEMENT PRACTICE DESIGN. PLANTINGS SURFACE COVER WILL BE ACCOUNTED FOR IN FEMA NO RISE EVALUATION.

QUANTITIES:

CONCRETE CURBABLE TOE	785 YD ³
SHOT ROCK FILL	4,006 YD ³
EARTH REMOVAL	194 YD ³

SOIL DISPOSAL NOTES:

1. SOIL ON SITE HAS BEEN CLASSIFIED BY MNR AS NON-HAZARDOUS TOXIC WASTE. TOTAL LEAD LEVELS EXCEEDED 100 MG/KG. TOXIC WASTE SHALL BE REMOVED FROM SITE AND STORED AT AN APPROVED DISPOSAL LOCATION.
2. MINIMIZE DUST FROM CONSTRUCTION OPERATIONS.

NO.	DATE	REVISION
A	4/8/2021	75% REVIEW SET TO CITY
B	4/22/2021	95% REVIEW SET TO CITY

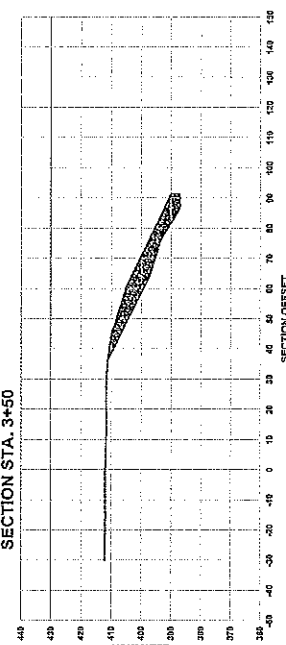
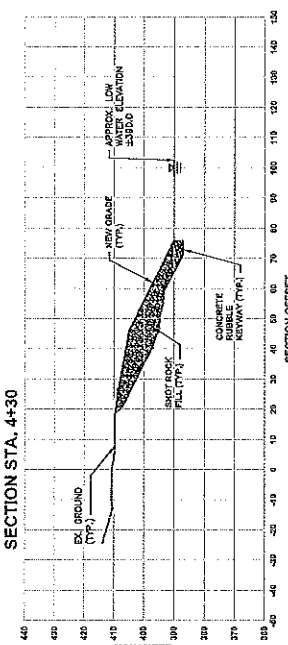
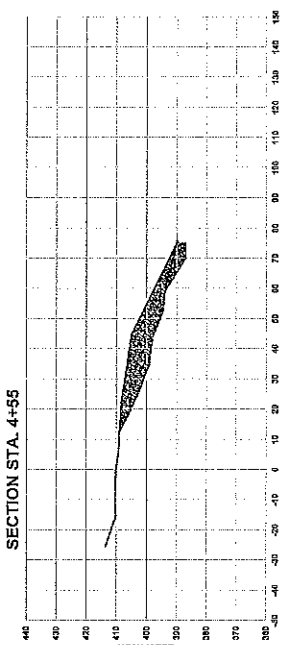
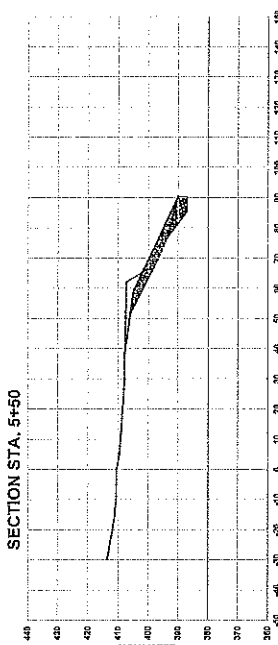
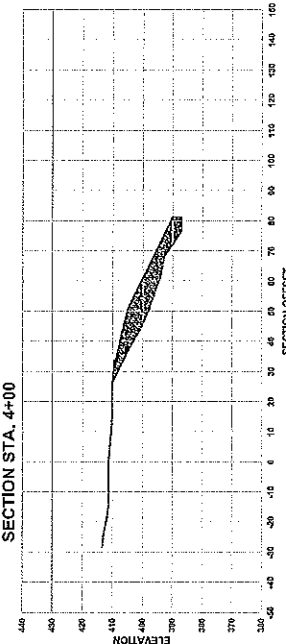
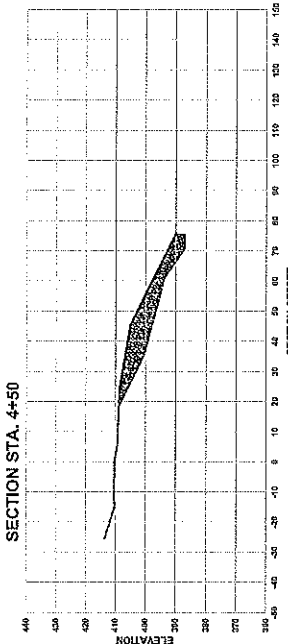
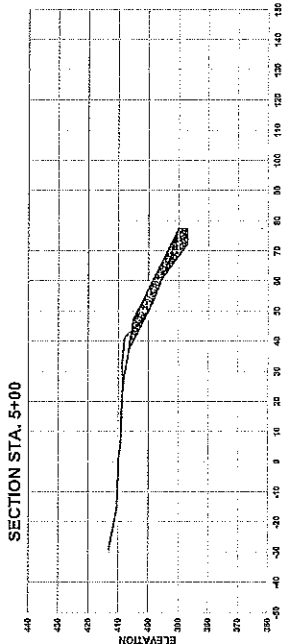
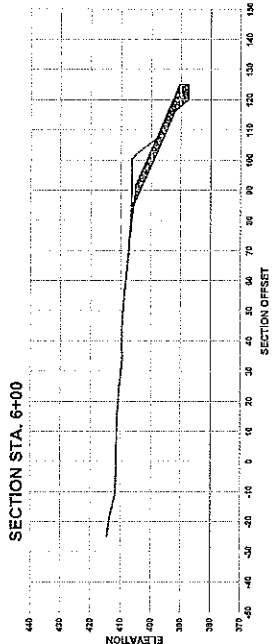
PRELIMINARY
 NOT FOR CONSTRUCTION

HORNOR SHIFFRIN
 1014 S. ST. STEPHEN ROAD, SUITE 100
 ST. LOUIS, MISSOURI 63104
 TEL: 314.433.1000 FAX: 314.433.1001
 WWW.HORNORSHIFFRIN.COM

PROPOSED SITE PLAN
 KIRKWOOD PARKS AND RECREATION
 ST. LOUIS COUNTY, MISSOURI
 EMMENGER PARK BANK STABILIZATION

DATE: 04/22/2021
 DESIGNED: TJS
 DRAWN: MLM
 CHECKED: GR
 HS JOB NO. 3102100
 SHEET 4 OF 8
C2

NOTE:
 LOW WATER LEVEL ELEV. 294.0 IS COMPARABLE TO RIVER STAGE 1 FT AS OBSERVED AT NOAA MERAMEC RIVER STATION - VALLEY PARK.



KIRKWOOD PARKS AND RECREATION
ST. LOUIS COUNTY, MISSOURI
EMMENEGGER PARK BANK STABILIZATION

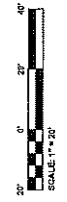
DATE: 04/22/2021
 DESIGNED: TJS
 DRAWN: HELM
 CHECKED: SK

HS JOB NO. 2102100
 SHEET 7 OF 8
C5

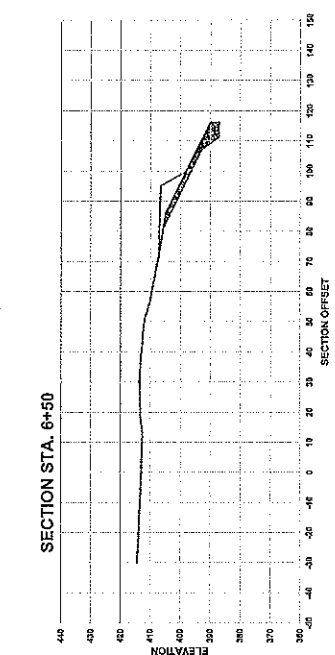
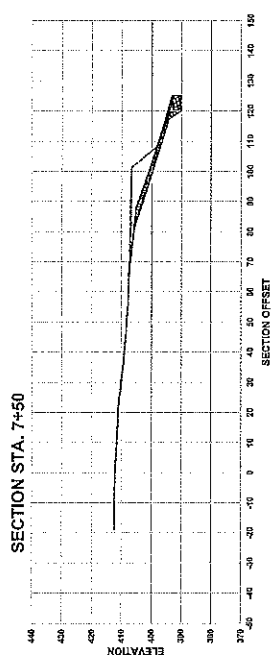
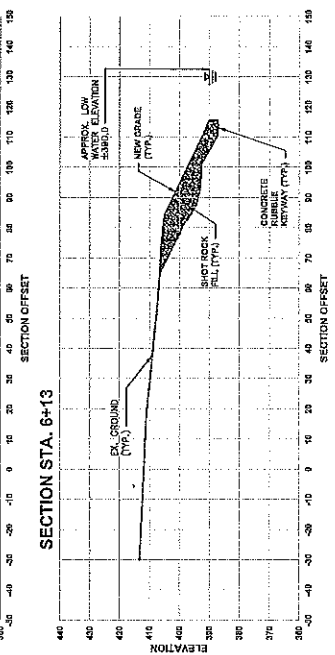
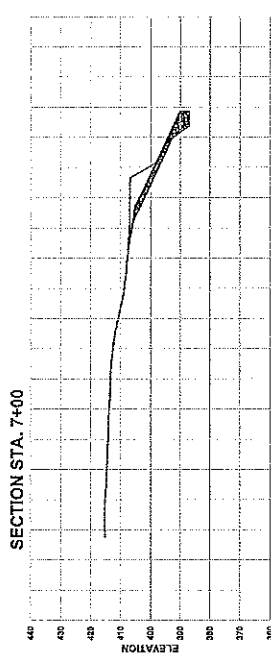
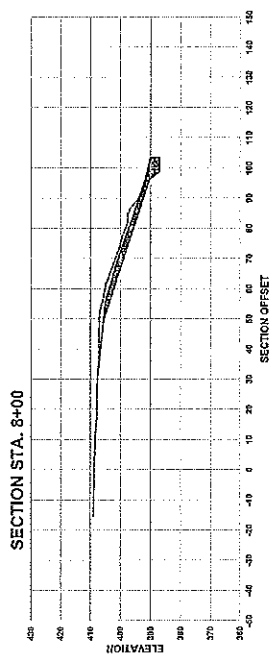
HORNER SHIFFRIN
 ENGINEERS, ARCHITECTS, PLANNERS
 1110 S. WILSON ST., STE. 100 ST. LOUIS, MO 63102
 (314) 433-1100 FAX (314) 433-1101
 www.horner-shiffrin.com

PRELIMINARY
 NOT FOR CONSTRUCTION

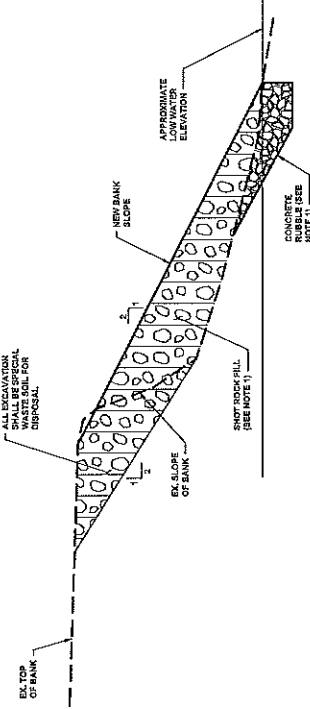
NO.	DATE	REVISION
A	4/9/2021	75% REVIEW SET TO CITY
B	4/22/2021	95% REVIEW SET TO CITY



NOTE:
 LOW WATER LEVELS, AS BE COMPARABLE
 TO RIVER STAGE 1 FT AS OBSERVED AT NOAA
 MEANED RIVER STATION - VALLEY PARK.



KIRKWOOD PARKS AND RECREATION ST. LOUIS COUNTY, MISSOURI EMMENEGGER PARK BANK STABILIZATION		CIVIL DETAILS	
HORNED SHIFFRIN <small>1101 SOUTH HANCOCK AVENUE, SUITE 100, ST. LOUIS, MISSOURI 63104 PHONE: (314) 433-1100 FAX: (314) 433-1101 WWW.HORNEDSHIFFRIN.COM</small>		<small>THIS DRAWING IS THE PROPERTY OF HORNED SHIFFRIN. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF HORNED SHIFFRIN.</small>	
DATE: 04/22/2021 DESIGNED: TJS DRAWN: MJP CHECKED: SR	HS JOB NO. 2102100 SHEET 8 OF 8 C6	PRELIMINARY NOT FOR CONSTRUCTION	REVISION NO. DATE DESCRIPTION
A	4/22/2021	75% REVIEW SET TO CITY	
B	4/22/2021	95% REVIEW SET TO CITY	



TYPICAL BANK RESTORATION AND REVETMENT INSTALLATION SECTION

SCALE: N.T.S.

NOTES:

1. FIRST LAYER OF SHOT ROCK AND CONCRETE RUBBLE SHALL BE PUSHED INTO EXISTING RIVER BANK SOIL UNTIL A FIRM BASE IS ESTABLISHED. NO EXCAVATION SHALL BE PERFORMED DURING PLACEMENT.

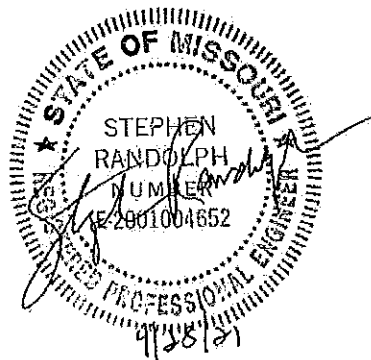
Meramec River Emmenegger Park Flood Study

April 28, 2021

by

Horner & Shifrin, Inc.
401 S. 18th Street, Suite 400
St. Louis, Missouri, 63103
H&S Job No. 2012.100

HORNER  SHIFRIN



BACKGROUND

The study area is a section of the Meramec River. The site is located along the east bank in Emmenegger Park just north of Interstate 44. The proposed project includes approximately 800' of bank stabilization improvements by the Kirkwood Parks and Recreation Department to arrest active erosion and protect park property.

The work is located in the City of Sunset Hills, Missouri. This floodplain analysis has been completed to fulfill the requirements of meeting applicable FEMA and City regulations. Refer to Appendix A at the end of this report for pertinent information on the proposed developments and hydraulic analysis such as FIS map, site plan, and copies of the corrected effective and proposed condition HEC-RAS output files. Appendix B contains a copy of the no-rise certificate.

MODELING METHODOLOGY

All hydrologic and hydraulic modeling was done using the Corps of Engineer's HEC-RAS program. For this analysis, Horner & Shifrin utilized the Meramec River model available from SEMA as part of FEMA's Risk Mapping, Assessment, and Planning (Risk MAP) Program. FEMA, St. Louis County and SEMA are in partnership to update the County's Flood Insurance Rate Maps (FIRMs) and Flood Insurance Study (FIS). We are using this model because it is the most current information available.

The HEC-RAS program allows for the set-up of "Plans" consisting of a combination of geometry and flow files. There are four plans each that make up the HEC-RAS model for the Meramec River. They are listed in the table below.

Plan Name	Geometry File	Flow File
Effective	MeramecRiver.g01	MeramecRiver.f01
Corrected Effective	MeramecRiver.g02	MeramecRiver.f01
Existing	MeramecRiver.g04	MeramecRiver.f01
Proposed	MeramecRiver.g03	MeramecRiver.f01

Each of the plans are described in more detail in the sections that follow.

EFFECTIVE PLAN

The effective plan is the existing HEC-RAS model as received from SEMA.

CORRECTED EFFECTIVE PLAN

The corrected effective plan adds new cross-sections within the study area to reflect the limits of the Emmenegger Park Project. Four new cross-sections were generated in our area of interest using the HEC-RAS cross section interpolation feature. These cross-sections were designated STA 96674.0, STA 96664.0, STA 96014.0, and STA 95824.0.

EXISTING PLAN

The existing plan represents physical modifications that have occurred since the effective plan. For our project area, a survey performed by Horner & Shifrin in April 2021, showed a loss of considerable bank area within the park. Cross-sections in our area of concern were updated accordingly based on these actual site conditions.

PROPOSED PLAN

The proposed plan reflects the designed improvements at the new cross-sections. Within our project area this included bank restoration/stabilization between STA 96664.0 and STA 95824.0. Cross-sections were adjusted to reflect restoration of the lost riverbank at a 2:1 slope and Manning's "n" values were kept constant to reflect the intention to mimic natural bank stabilization materials similar to pre-project conditions.

Results of the HEC-RAS simulations show that these modifications do not result in a rise in water surface elevations. Refer to HEC-RAS output tables found in Appendix A.

CONCLUSION

As described in the report, the proposed development will not cause a rise in water surface elevations. The issuance of a no-rise certificate is warranted. That no-rise certificate is made part of this report in Appendix B.

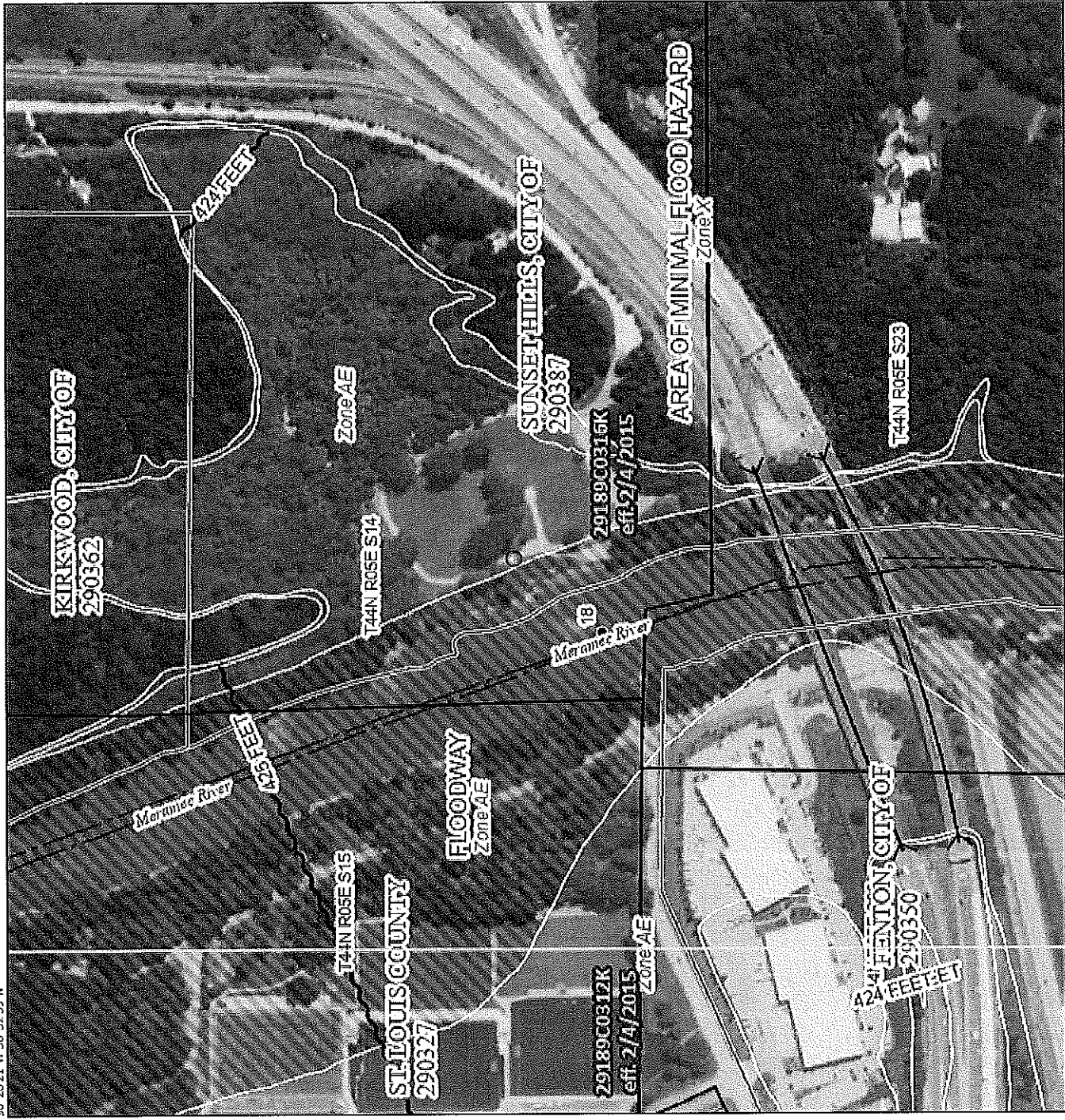
APPENDIX A

FIRM, HEC-RAS Output Table, Site Plan and Cross Sections

National Flood Hazard Layer FIRMette



90°26'21"W 38°32'59"N



Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS	
	Without Base Flood Elevation (BFE) Zone A, V, A99
	With BFE or Depth Zone AE, AO, AH, VE, AR
	Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD	
	0.2% Annual Chance Flood Hazard. Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile. Zone X
	Future Conditions 1% Annual Chance Flood Hazard. Zone X
	Area with Reduced Flood Risk due to Levees. See Notes. Zone X
	Area with Flood Risk due to Levee. Zone D

OTHER AREAS	
	No Screen
	Area of Minimal Flood Hazard. Zone X
	Effective LOMR
	Area of Undetermined Flood Hazard. Zone D

GENERAL STRUCTURES	
	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall

OTHER FEATURES	
	Cross Sections with 1% Annual Chance Water Surface Elevation
	Coastal Transect
	Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature

MAP PANELS	
	Digital Data Available
	No Digital Data Available
	Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/28/2021 at 11:09 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

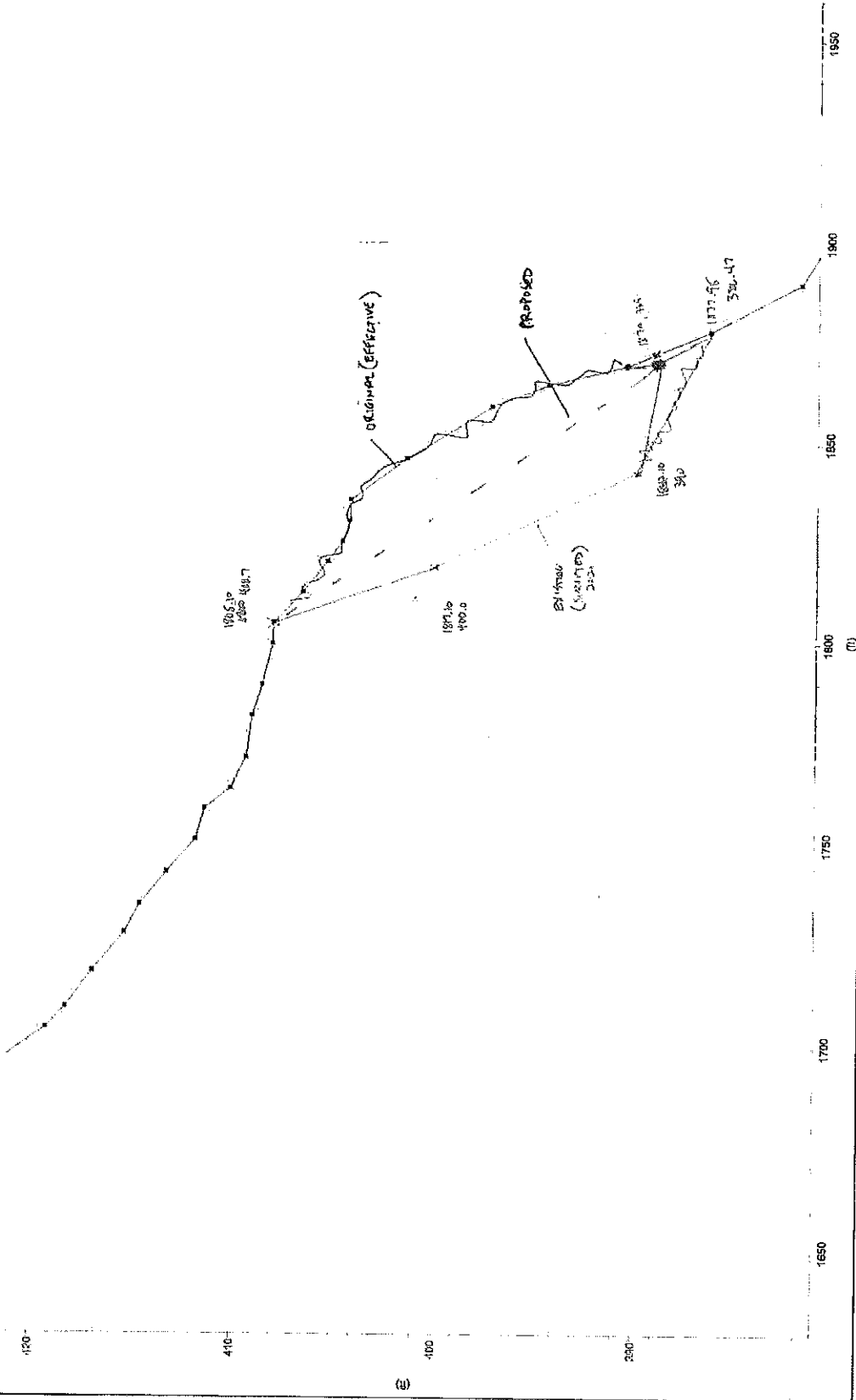
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

HEC-RAS River: Meramec River Reach: Main Profile: P100yr

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vet Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Main	97217.4 O	P100yr	CorrEff	164700.0	374.7	430.1	400.3	431.0	0.00037	8.73	33371.2	2599.3	0.21
Main	97217.4 O	P100yr	Proposed	164700.0	374.7	430.1	400.3	431.0	0.00037	8.73	33373.5	2599.4	0.21
Main	98674.0	P100yr	CorrEff	164700.0	375.2	430.0	401.3	430.7	0.00038	7.98	36495.1	2310.1	0.20
Main	98674.0	P100yr	Proposed	164700.0	375.2	430.0	401.3	430.7	0.00038	7.98	36495.1	2307.2	0.20
Main	98664.0	P100yr	CorrEff	164700.0	375.2	430.0	401.3	430.7	0.00037	7.94	36809.4	2245.6	0.20
Main	98664.0	P100yr	Proposed	164700.0	375.2	430.0	401.3	430.7	0.00037	7.90	37058.9	2246.0	0.20
Main	96014.0	P100yr	CorrEff	164700.0	375.8	429.9	401.5	430.4	0.00036	7.03	41029.4	2079.1	0.17
Main	96014.0	P100yr	Proposed	164700.0	375.8	429.9	401.6	430.4	0.00036	6.99	41839.4	2079.3	0.17
Main	95824.0	P100yr	CorrEff	164700.0	376.0	429.9	401.5	430.3	0.00035	6.79	42104.9	2113.4	0.17
Main	95824.0	P100yr	Proposed	164700.0	376.0	429.8	401.6	430.3	0.00034	6.78	42705.1	2113.6	0.17
Main	95814.1	P100yr	CorrEff	164700.0	376.0	428.8	401.4	430.1	0.00072	9.66	24266.9	898.3	0.24
Main	95814.1	P100yr	Proposed	164700.0	376.0	428.8	401.4	430.1	0.00072	9.66	24266.9	898.3	0.24
Main	95582.5			Bridge	Interstate 44								
Main	95421.3	P100yr	CorrEff	164700.0	374.4	428.2	403.2	429.7	0.00027	10.47	23490.9	2160.5	0.27
Main	95421.3	P100yr	Proposed	164700.0	374.4	428.2	403.2	429.7	0.00027	10.47	23490.9	2160.5	0.27

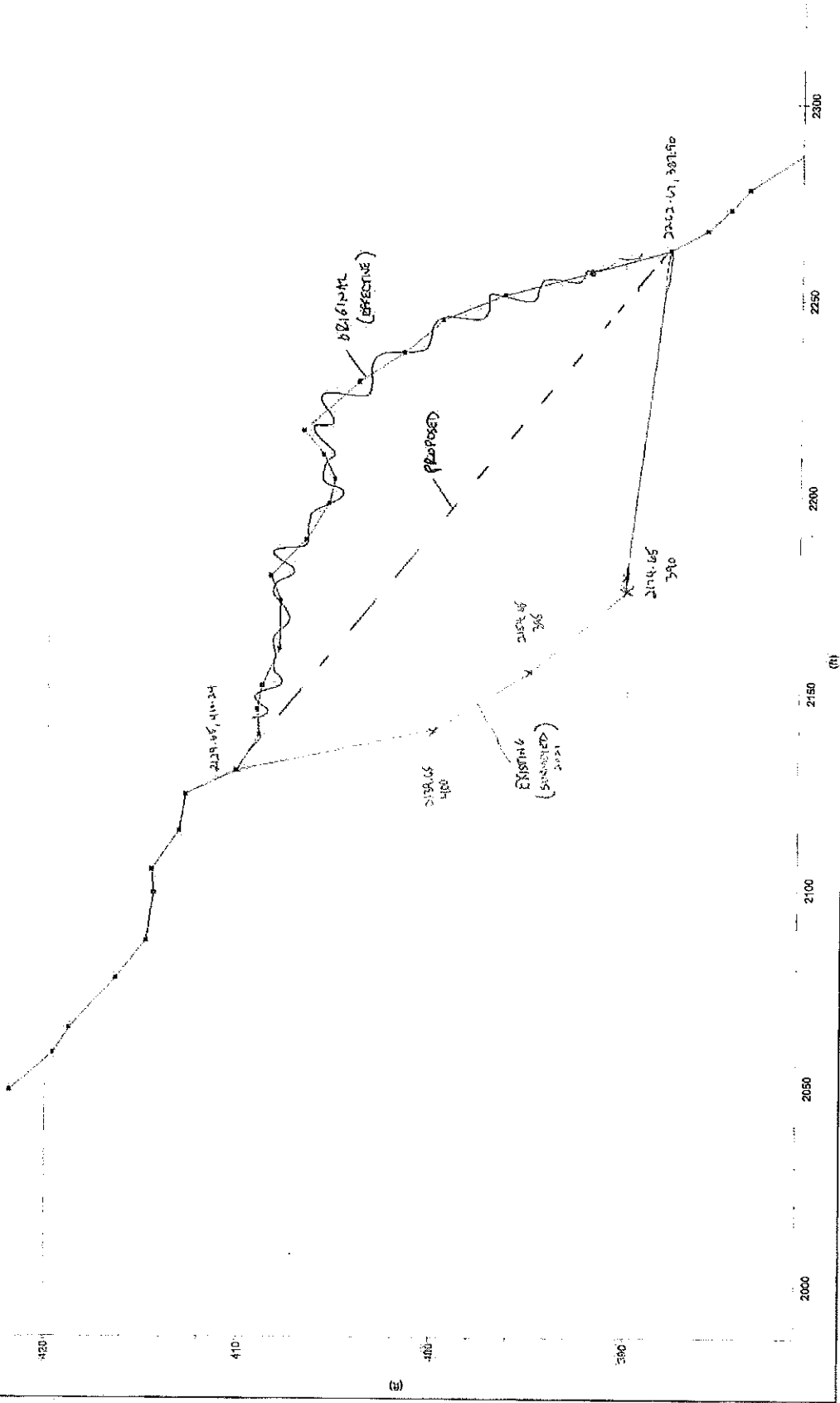
Meramec River Plan: Existing 4/22/2021
River = Meramec River Reach = Main RS = 98684.0 1:10

Legend
Ground
Inlet
Bank Sta



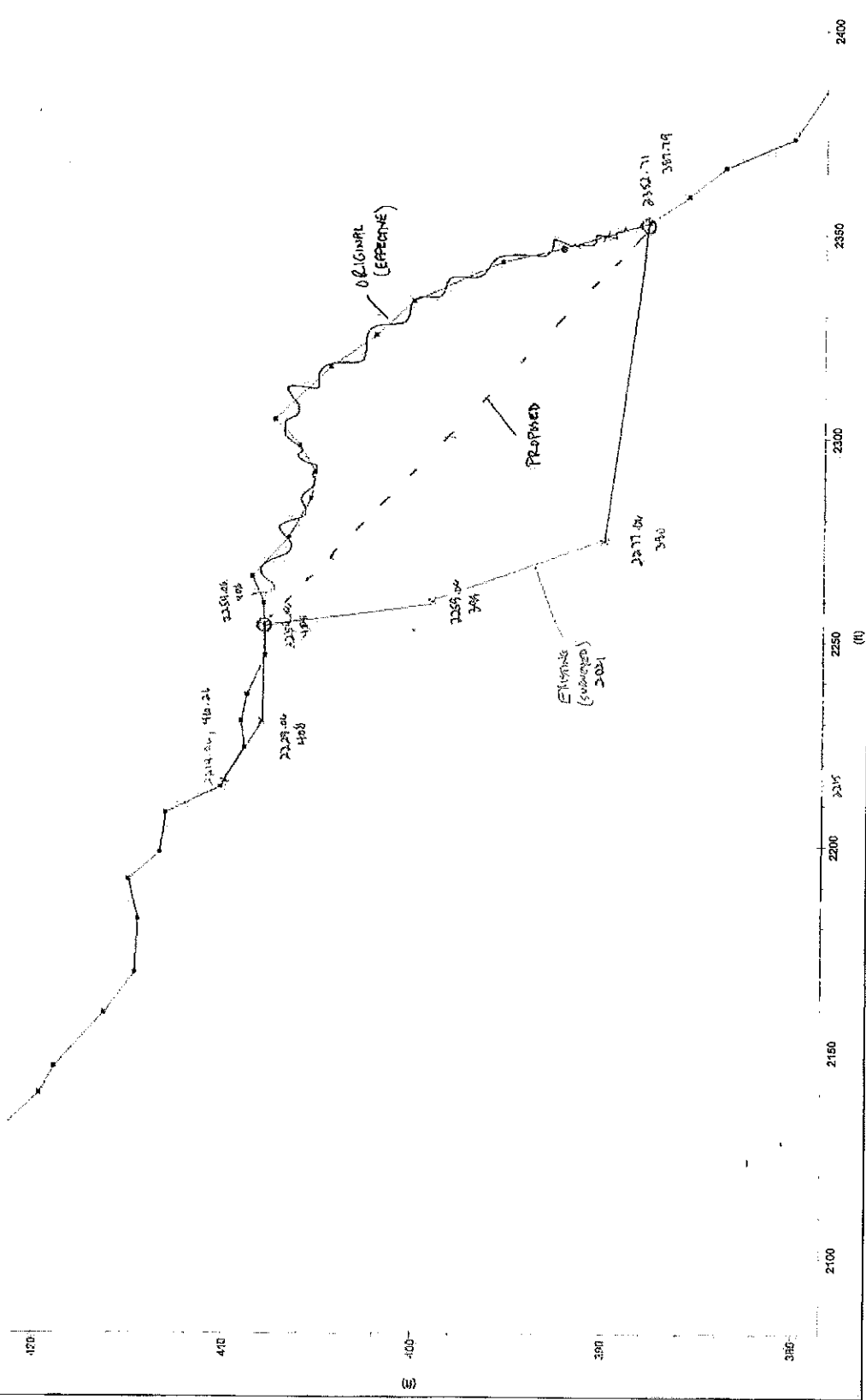
Meramec River Plant: Existing 4/22/2021
River = Meramec River Reach = Main RS = 96014.0 Unpublished cross-section 4260

Legend
Ground
Proposed
Bank Sta



Miramec River Plan: Existing 4/22/2021
River = Miramec River Reach = Main RS = 65824.0 Interpolated x=600 4750

Legend
Ground
Inlet
Bank Sta



APPENDIX B

No-Rise Certificate

**MISSOURI STATE EMERGENCY MANAGEMENT AGENCY
ENGINEERING "NO-RISE" CERTIFICATE**

Floodplain Development
Permit No. _____

SECTION A - PROPERTY OWNER INFORMATION

COMMUNITY City of Sunset Hills	COUNTY St. Louis	STATE MO
APPLICANT City of Kirkwood Department of Parks and Recreation		DATE 4/28/21
APPLICANT'S ADDRESS 111 S. Geyer Road, Kirkwood MO 63122		PHONE 314-822-5855

SECTION B -- ENGINEER INFORMATION

ENGINEER Horner & Shifrin, Inc.	DATE 4/28/21
ENGINEER'S ADDRESS 401 S. 18 th Street, Suite 400, St. Louis, MO 63103	PHONE 314-531-4321

SECTION C - SITE DATA

1. Location:

SECTION	TOWNSHIP	RANGE	STREET ADDRESS
N/A	N/A	N/A	11991 Stoneywood Drive, Sunset Hills, MO 63122

2. Panel(s) No. of NFIP Map(s) affected: 29189C0316K

3. Type of development:

Filling
 Grading
 Excavation
 Min. Improvements
 Routine Maintenance
 Substantial Improvement
 New Construction
 Other (Describe):

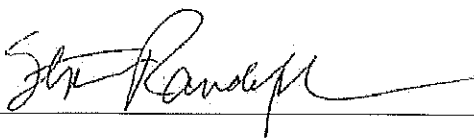
4. Description of Development: Streambank restoration on Meramec River at Emmenegger Park

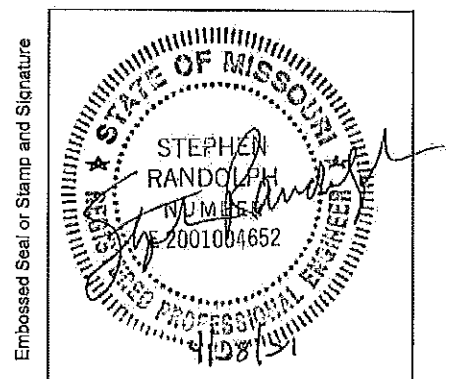
5. Name of Flooding Source Affected: Meramec River

SECTION D - COMMENTS

Comments: see attached report

This is to certify that I am a duly qualified engineer licensed to practice in the State of MO. It is to further certify that the attached technical data supports the fact that the proposed development described above will not create any increase to the 1% storm frequency water surface flood elevations on said flooding source above at the published cross-sections in the flood insurance study for the above community dated 2/4/15, and will not create any increase to the 1% storm frequency water surface flood elevations at the unpublished cross-sections in the vicinity of the proposed development.

	4/28/21
Signature	Date
Project Engineer.	2001004652
Title	License No.



Sinking Grave at Historic Quinette Cemetery



BILL 9759

ORDINANCE 9643

AN ORDINANCE AMENDING CHAPTER 18, SECTION 18-1, OF THE CODE OF ORDINANCES BY ADDING HISTORIC QUINETTE CEMETERY PARK TO THE KIRKWOOD PARK SYSTEM.

WHEREAS, the Code of Ordinances establishes names and locations of 12 city parks, and

WHEREAS, at its December 18, 2006, meeting, the Kirkwood Park Board voted to accept Quinette Cemetery as the 13th park in the Kirkwood park system with conditions as established in Exhibit 1 (attached hereto and incorporated by reference herein), and

WHEREAS, the Director of Parks and Recreation is requesting that the following new park be added: Historic Quinette Cemetery Park.

NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF KIRKWOOD, MISSOURI, AS FOLLOWS:

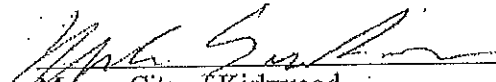
SECTION 1. Chapter 18, Section 18-1, is hereby amended by making the following changes:

- Add Park No. 13 – Historic Quinette Cemetery Park, located at 12188 Old Big Bend

SECTION 2. The Historic Quinette Cemetery Park is accepted with conditions as established in Exhibit 1 (attached hereto and incorporated by reference herein).

SECTION 3. This Ordinance shall be in full force and effect after its passage and approval, as provided by law.

PASSED AND APPROVED THIS 1ST DAY OF FEBRUARY 2007.



Mayor, City of Kirkwood

ATTEST:



City Clerk

1st Reading: January 18, 2007
2nd Reading: February 1, 2007

REQUEST FOR ORDINANCE OR RESOLUTION (Please Check One)

Step #1:
(Please Type)

Please place on agenda of: January 18, 2007

Background to Issue: This is a request to establish in Chapter 18 the thirteenth city park, located at 12188 Old Big Bend, with the park to be named "Historic Quinette Cemetery Park."

Alternatives Available:

Cost: _____ Account #: _____ Project #: _____

Budgeted: Yes: If yes, Budget Amount: _____ No, or if Insufficient Funding (Complete Step #2)

Department Head's Comments: (8Lines) see attached.

By: Murray Pounds Date: 12/22/06
Department Head

Step #2:

Transfer of Funds (Appropriation)

Amount of Appropriation Request:

Transfer/Appropriate from Account #

Transfer/Appropriate to Account #

Approve Disapprove

Comments: _____

By: _____ Date: _____
Finance Director

Step #3: If legislation includes bid process this area must be signed by the Purchasing Director

Approve Disapprove

Comments: _____

By: _____ Date: _____
Purchasing Director

Approve or Discuss: Murray Pounds Date: 12-22-06
Chief Administrative Officer

CAO's Comments: _____

From the desk of:
Murray Pounds, Director of Parks and Recreation
111 S. Geyer Road, Kirkwood, MO 63122
Phone: 314-822-5857 Fax: 314-984-5931
E-mail: poundsm@kirkwoodmo.org



Memo

To: Mayor and Kirkwood City Council
From: Murray Pounds *MP*
CC: Mike Brown, Kirkwood Park Board
Date: 12/22/2006
Re: Acceptance of Quinette Cemetery as Park Property

At its December 18, 2007 meeting, the Kirkwood Park Board voted to accept Quinette Cemetery as the thirteenth park in the Kirkwood park system. The vote to accept the property followed several reviews by both subcommittees and the full board on the subject.

As part of the motion to accept the property, several conditions were established. Those conditions and associated statement are included in this legislative request as "Exhibit 1," and should be referenced in the authorizing legislation.

The suggested name for the new park is "Historic Quinette Cemetery Park." This title effectively represents the site's long history while establishing its future role in the park system. The assimilation of the property into the park system should be effective upon final passage by council.

**EXHIBIT ONE
KIRKWOOD PARK BOARD
MOTION TO ACCEPT QUINETTE CEMETERY
INTO THE KIRKWOOD PARK SYSTEM**

The following motion was approved by a 7-1 vote at the Kirkwood Park Board meeting December 18, 2006.

MOTION:

That the Kirkwood Park Board accept Quinette Cemetery as park property, subject to the following:

1. The authorizing city ordinance transferring the property to Park Board control contain the language contained in paragraphs 1(A) through 1(G).

A. The Park Board accepts the Quinette property as a park and areas in the cemetery/park designated as either "Open/Green Space" (especially for northern, flat portions) or "Passive Natural Area" (a more sloping area to the south). The Board intends that maintenance levels will be based on these designations and will be done to current park maintenance standards in place throughout the park system.

B. Any development will be completed within the guidelines of the Americans Disability Act (ADA).

C. The \$50,000 donation from Miracle Design/Build and any accumulated interest in hereby transferred to the Park Fund.

D. Any funds remaining in the capital budget for the cemetery are hereby transferred to the Park Fund.

E. Interested parties should be made aware of the Park Board's intent to manage the property in a fashion similar to other park properties. Those same parties should also be made aware that Park Board has other developmental priorities, and the Board does not anticipate being in a position any time in the foreseeable future to use Park related funds (Park Fund or ½ cents Parks & Recreation Sales Tax) to implement or fund developmental in the cemetery/park. The property is being accepted on an "as-is" basis.

F. Donations by interested parties developmental projects and improvements will be funded through the Park Legacy program, and will be subject to the review of the Park Partnership Committee and approval of the Board as a whole. Developmental proposals will be considered in light of not only historical perspective, but also maintenance issues, and continuity with the rest of the park system.

G. The Park Board is concerned about setting any precedent for accepting property to be designated as park solely on the basis of historical significance. It should be understood that this particular piece of property is being accepted primarily for its green space value, and that the site does not require any additional restoration in order to make it usable for the general public. The Park Board is not obligated to restore or interpret existing graves, gravesites, tombstones, or grave markers.

2. The Park Board adopts the following statements regarding the intended utilization of the park.

A. As expressed in the authorizing ordinance, the Quinette property is to be designated "Open/Green Space" or "Passive Natural Area". This means that the Board intends that the property will be developed only in such ways as are consistent with respect for the historic and natural character of the property which may include improvements such as walking paths, benches, and appropriate lighting and landscaping.

B. The Park Board does not intend to disturb any known or suspected gravesites. In the Park Board's discretion, the Board may seek expert guidance regarding the location of any remains prior to taking any action that might risk disturbing any such remains. To the extent the proposed improvements is one proposed by a third party, the expense of the expert guidance, if any, will be expected to be paid by the third party.

C. The Parks Department and Board will not be responsible for the restoration of any gravesites or suspected gravesites, but such restoration by a third party will be considered based on the following paragraph.

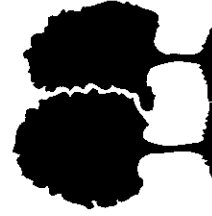
D. As is the case in any park in the City of Kirkwood, any improvement, restoration or other activity in the Quinette Cemetery property is subject to the approval and/or control of the Kirkwood Park Board. If any third party approaches the Park Board with any proposal related to restoration efforts around the gravesites, the Park Board shall make an initial determination about whether to refer the proposal to an expert advisor with the appropriate professional expertise. The party submitting the proposal will, in most cases, be expected to pay the expenses of any such expert advisor.

A MESSAGE FROM YOUR PARK BOARD

An effective park system can only be successful through the efforts and involvement of those who use the facilities. We on the Park Board try to make decisions that reflect the wishes of residents. We are proud of the park system and hope you agree it is an important factor in the high quality of life that exists in our City.

Over the years, individuals and groups have expressed an interest in donating funds for facilities, equipment, plants, trees, and other items in the park system. Thanks to your generosity, we have been able to respond to the needs of the community identified in our long-range planning efforts.

Donations made through the Greentree Legacy program provide a means of noting a special event, a memorial for a loved one, or simply contributing to the future of the City's leisure environment.



To recognize those who have donated to the Kirkwood Parks' Commemorative Fund, we have memorial plazas in Kirkwood Park and Meacham Memorial Park, paved with commemorative bricks. If you would like to become a donor, please fill out the enclosed donation form.

If you have any questions, please call 314-822-5862.

Thank you for your support of Kirkwood's parks.

Note: Donations to the City of Kirkwood through the Greentree Legacy Program are tax deductible to the fullest extent allowa-

FREQUENTLY ASKED QUESTIONS

- 1. When are trees planted?**
Trees are planted each Fall. Trees already planted are available for adoption as well. Call Laura at 314-822-5862 for a list of available trees.
 - 2. When will bricks be engraved?**
Bricks are engraved each June (weather permitting). The bricks need two weeks of dry weather before they can be engraved.
 - 3. When will plaques be placed on benches?**
It takes about a month to order and install a new bench, and a few weeks to place a plaque on an existing bench.
 - 4. How do I know when my donation is complete?**
A letter with map of location will be mailed to the donor as well as the person/family who is being acknowledged once the process is complete.
 - 5. Can I choose the type of tree planted?**
We will be happy to work with you and our horticulture staff to select a tree that meets your needs and will grow successfully in our climate zone.
 - 6. Will something be placed on my tree?**
Unfortunately, placing plaques on trees inhibits growth and can be harmful to the tree as well as lawn equipment in the park. A brick will be engraved in the memorial plaza at either Kirkwood or Meacham Park.
- Your gift to the Kirkwood park system is one that will have a lasting impact on future generations. You can help ensure that a variety of experiences will be available for anyone to enjoy - today, tomorrow, and for years to come.

CONTACT US

314-822-5862

THALLK@kirkwoodmo.org

111 S. Geyer Rd., Kirkwood, MO 63122

Printed: August 2017



GREENTREE LEGACY PROGRAM

"Today I have grown taller from walking with the trees."

-Karle Wilson Baker

SUMMER EMPLOYMENT STATUS:

We continue to be almost completely fruitless in our hiring of seasonal help. The most recent promising applicant notified me that his parents are sending him to summer classes so he will be unavailable to work. I have a high school grad who is now entering the screening process and can start almost immediately upon completion. Beyond that it leaves us still 6 positions unfilled to date. Something will have to be sacrificed so that we can still take care of everything without the additional positions. We could probably keep up if special concerns didn't keep popping up such as the spray paint assault on Meacham restrooms which pulled 2 crew away from other things for 2 days in effort to get it open again by last Sunday's permit there. Or the spruce tree that was ripped out of the ground by someone and left to die. We had to reset the tree and stake it. That pulled 2 people off planting flowers for 2 hours. So we are capable of keeping up with routine but the little things that are visible to the public are what we end up prioritizing.

SPRING FLOWERS SBD :

The hort crew of currently 2.5 persons and volunteers have been removing tulips and prepping beds, and installing annuals in pots and beds in the business district. Anchored by Pete and Ron, we are starting to add Renee's services as her Light Duty will allow. The delivery of annuals in flats arrived late last week and are popping up everywhere! The volunteers are invaluable!

MSD ANNUAL STORMWATER BMP REPORT FILED:

I completed the annual report on a COVID schedule this year. It included all the post construction stormwater BMPs as required along with photographic evidence. I have found a reasonable manufacturer to replace our outflow device nets. The OEM wants so much money for these nets that I would have to cut items from my budget to purchase them. I contacted a friend at GRG and got a contact in Mississippi who sells shrimping nets to trawlers. He is having a net designed for about 20% of the OEM cost. He will tweak the design for me and ship it soon. The nets are required at the daylight end of the stormwater pipes to catch debris before it enters the stream flow.

AMPHITHEATER PERMITS BINGE:

We are experiencing on average a permit every 3 days in the amphitheater. The binge comes at a time when we have to blow leaves from high winds, pollen from trees and water from storms to prep for each event. From concerts to graduations, to Scouting ceremonies to weddings, everybody is glad to be outdoors and celebrating again. Never seen anything like it...

DRINKING FOUNTAINS/SPRAYGROUNDS:

We have begun to put fountains of all kinds back into service. Drinking fountains are being hooked up, spraygrounds will be operational by Memorial weekend, and water features at Walker and Avery will come to life soon as well. The County Parks sent out clarifications of the COVID restrictions, giving us the information needed to proceed with these openings.

City of Kirkwood Parks Recreation Department
 Monthly Park Ranger Activity Report



Services	Jan	Feb	March	April	May	June	July	August	Sept	Oct	Nov	Dec	YTD
Park Enf. Contacts	51	31	87	68	0	0	0	0	0	0	0	0	237
Public Contacts	132	59	247	205	0	0	0	0	0	0	0	0	643
PD/FD Assist	1	2	1	11	0	0	0	0	0	0	0	0	15
PD Dispatched Calls	1	4	3	5	0	0	0	0	0	0	0	0	13
Interpretive	0	0	0	0	0	0	0	0	0	0	0	0	0
Reported Maint.	2	1	10	4	0	0	0	0	0	0	0	0	17
Injuries	0	1	0	2	0	0	0	0	0	0	0	0	3
Wildlife Related	0	0	0	1	0	0	0	0	0	0	0	0	1
Recovered Property	0	4	6	5	0	0	0	0	0	0	0	0	15
First Aid	0	1	0	0	0	0	0	0	0	0	0	0	1
Missing Persons	0	0	0	0	0	0	0	0	0	0	0	0	0

Summary of Activities

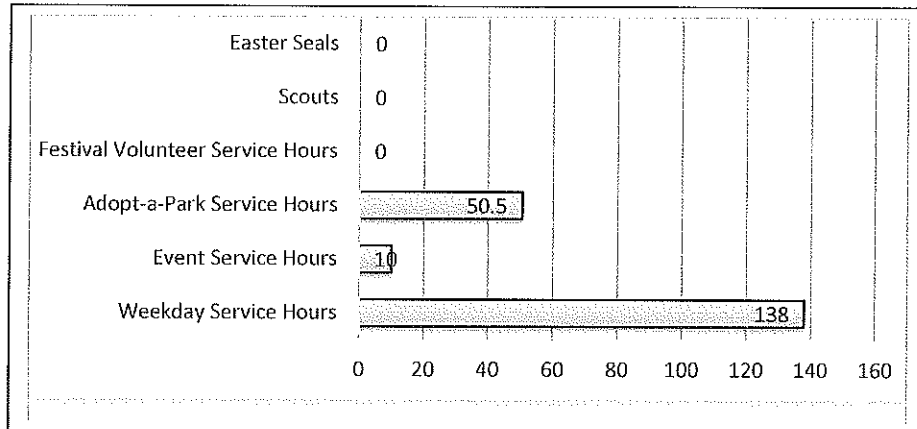
Nothing special to report for April.

Prepared by: Senior Ranger Ronald Hall

Monthly Volunteer Activity Report



March Volunteer Hours



April | 2021

Upcoming Events

May 22-Free the Trees | Wintercreeper Removal

May 25-Twilight Weeding | Mitchell Park

June 5 -Free the Trees | Greentree Park

June 8-Twilight Weeding | Monfort Park

June 22-Twilight Weeding | Walker Park

June 26-Free the Trees | Greentree Park



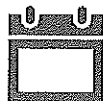
444
YTD Service Hours



18
YTD Episodic Volunteers



12
Weekday Volunteers



4
Events

Highlights

The Kirkwood Community Garden is in full swing this month. The program welcomed four new gardeners. New gardener registrations closes June 12. The weekday volunteer program welcomed George to the program in April. This brings the total weekday volunteers to twelve.