

Churchill Downs Park  
Stormwater Project

## Co-Hosts

Harry Sheehan – Washtenaw  
County

Jen Lawson - Ann Arbor  
Water Quality Mgr.

Adam Fercho – Ann Arbor  
Park Planner

Steve Roznowski - Spicer  
Group (consulting engineer)

# Agenda

Background

Design Update

Construction Timetable

Final Hurdles

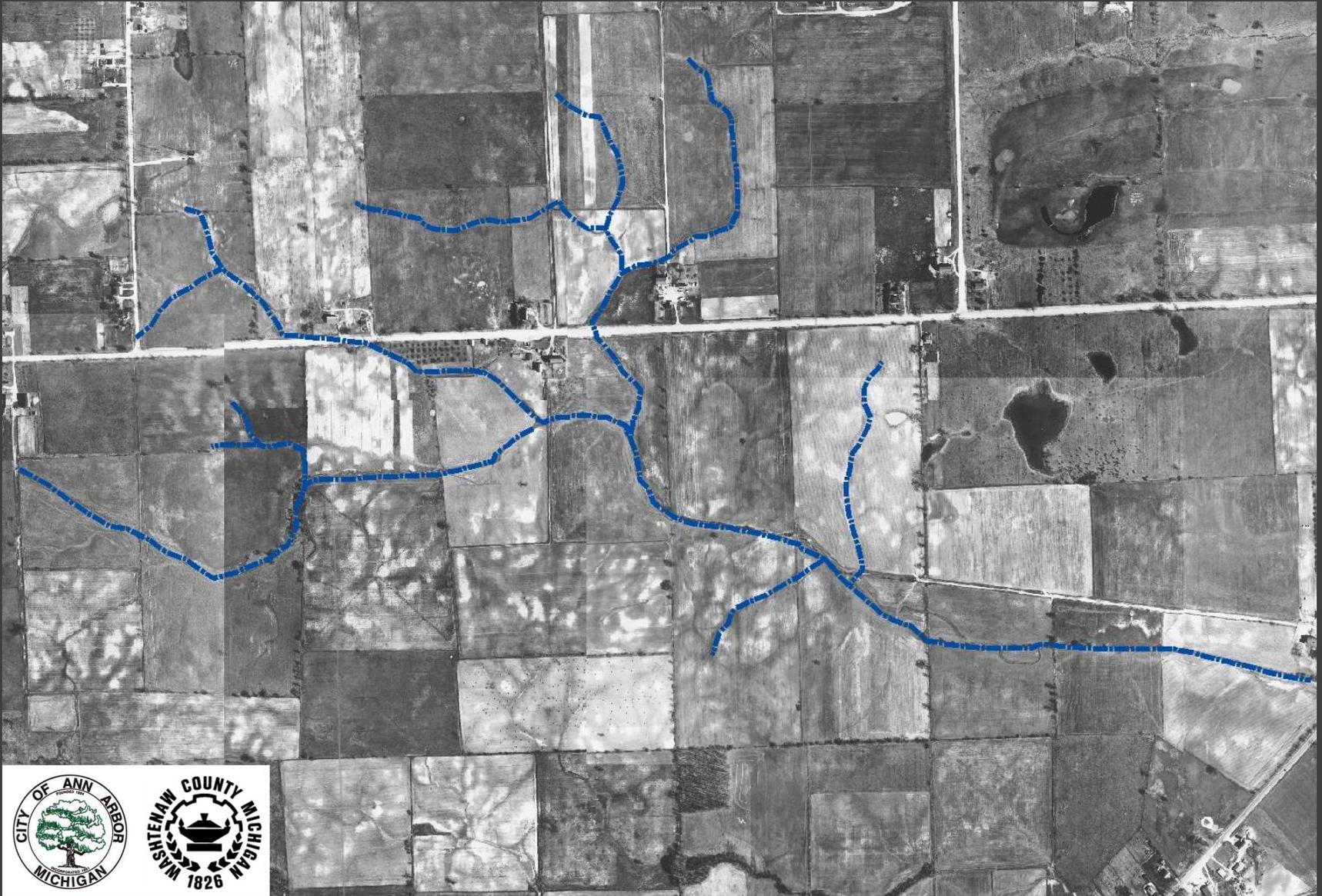
# Agenda

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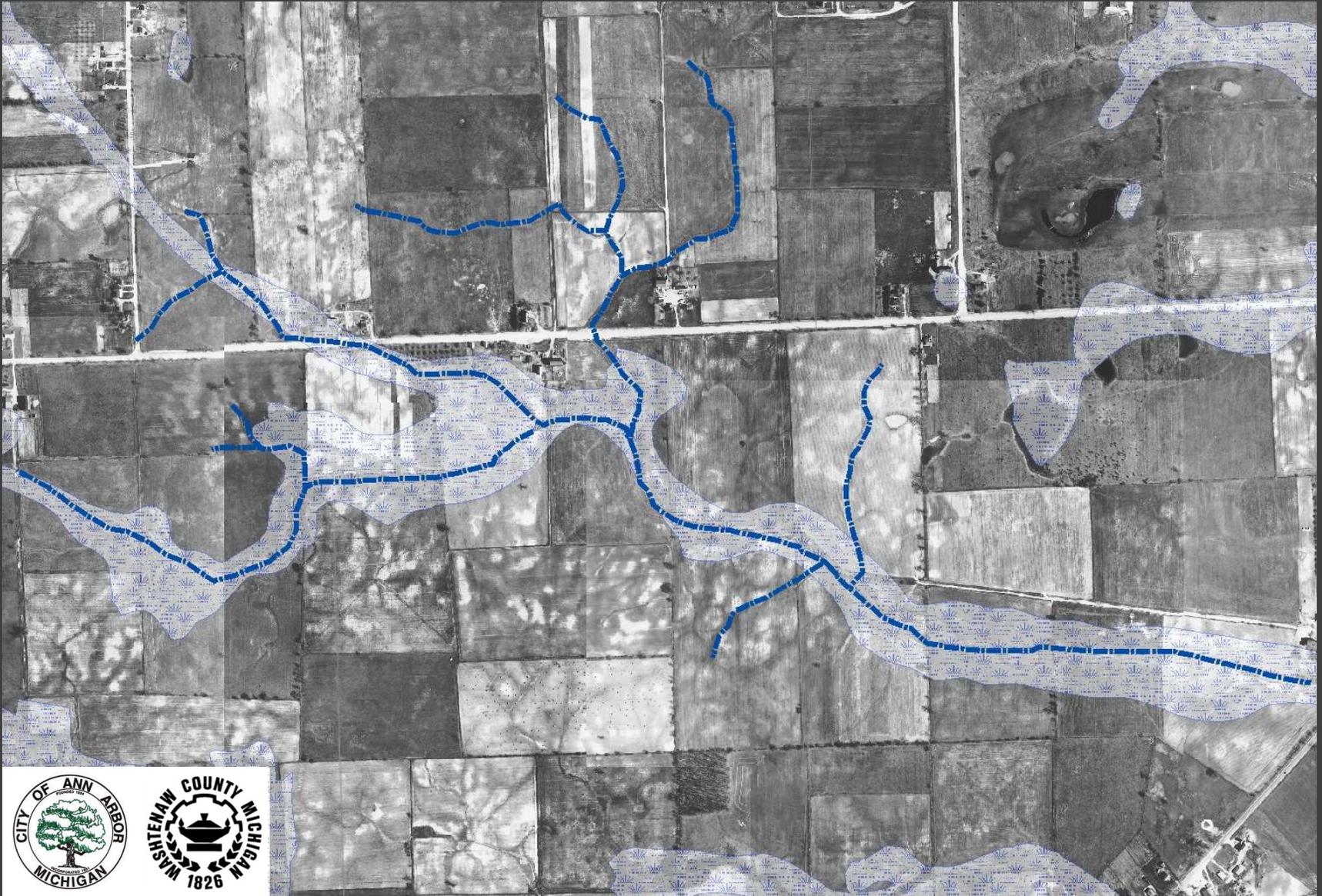
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**Spicer**  
group

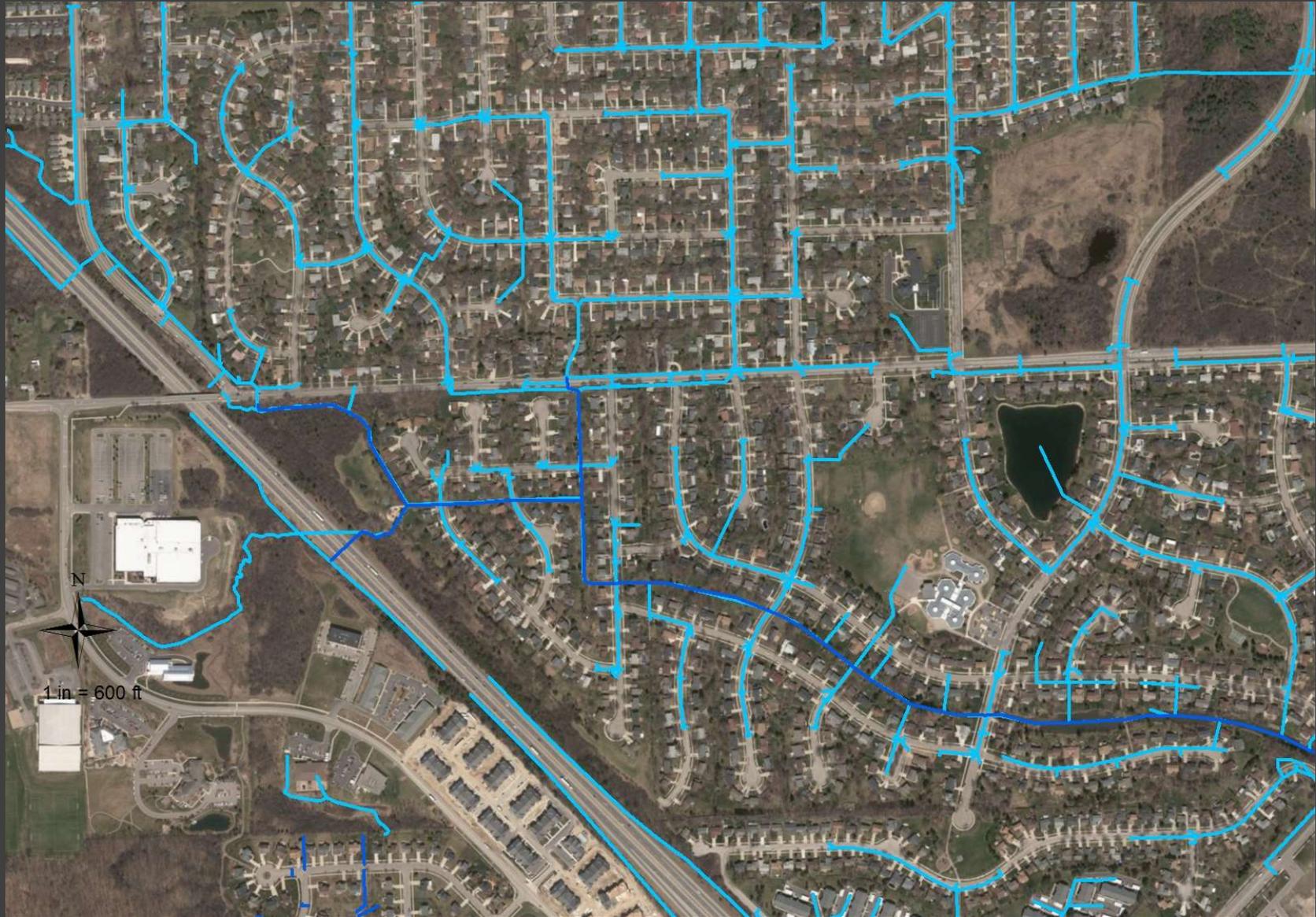


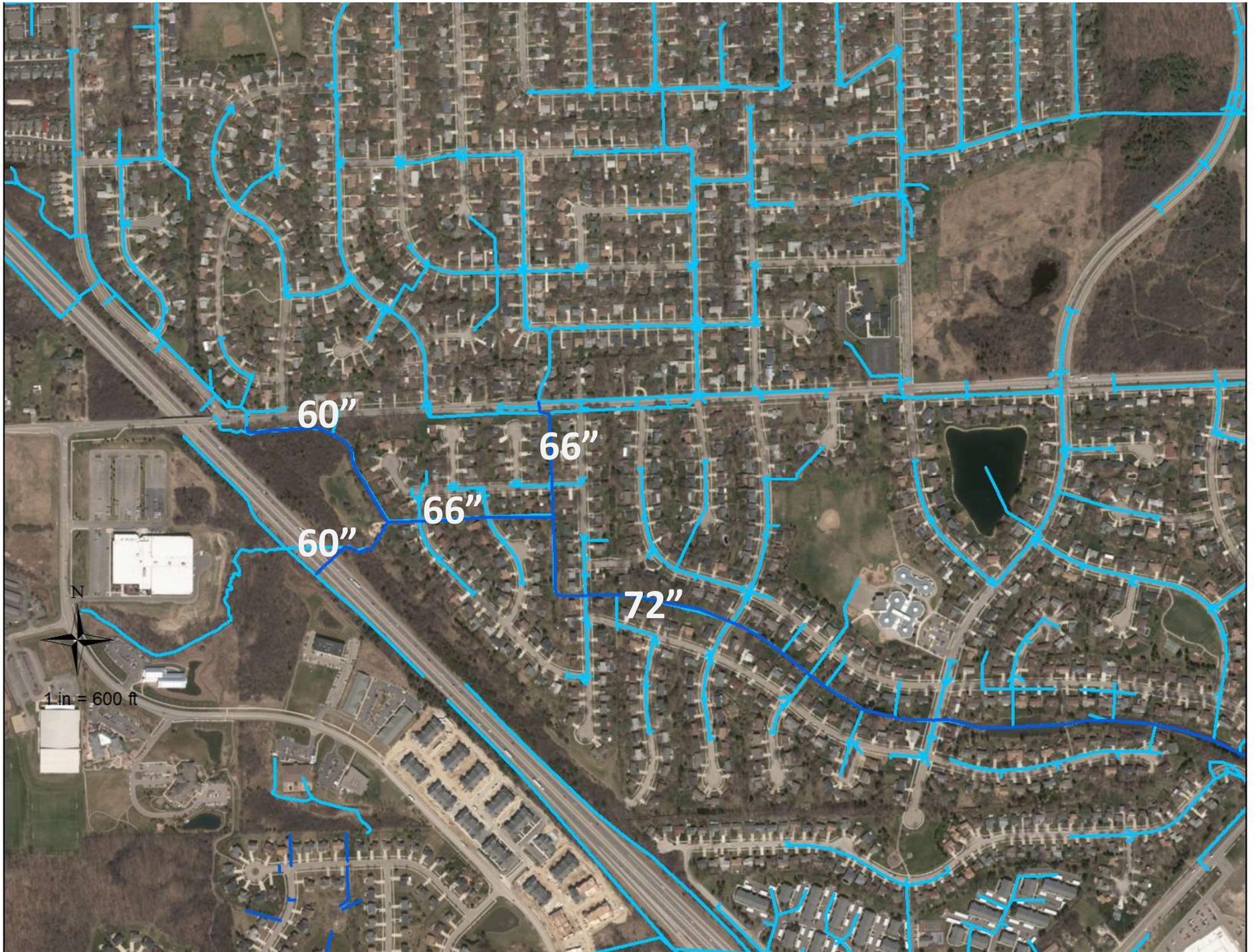
**Spicer**  
group



**Spicer**  
group











### Upper Malletts Watershed Mean 5-minute Radar Rainfall - 3/15/12

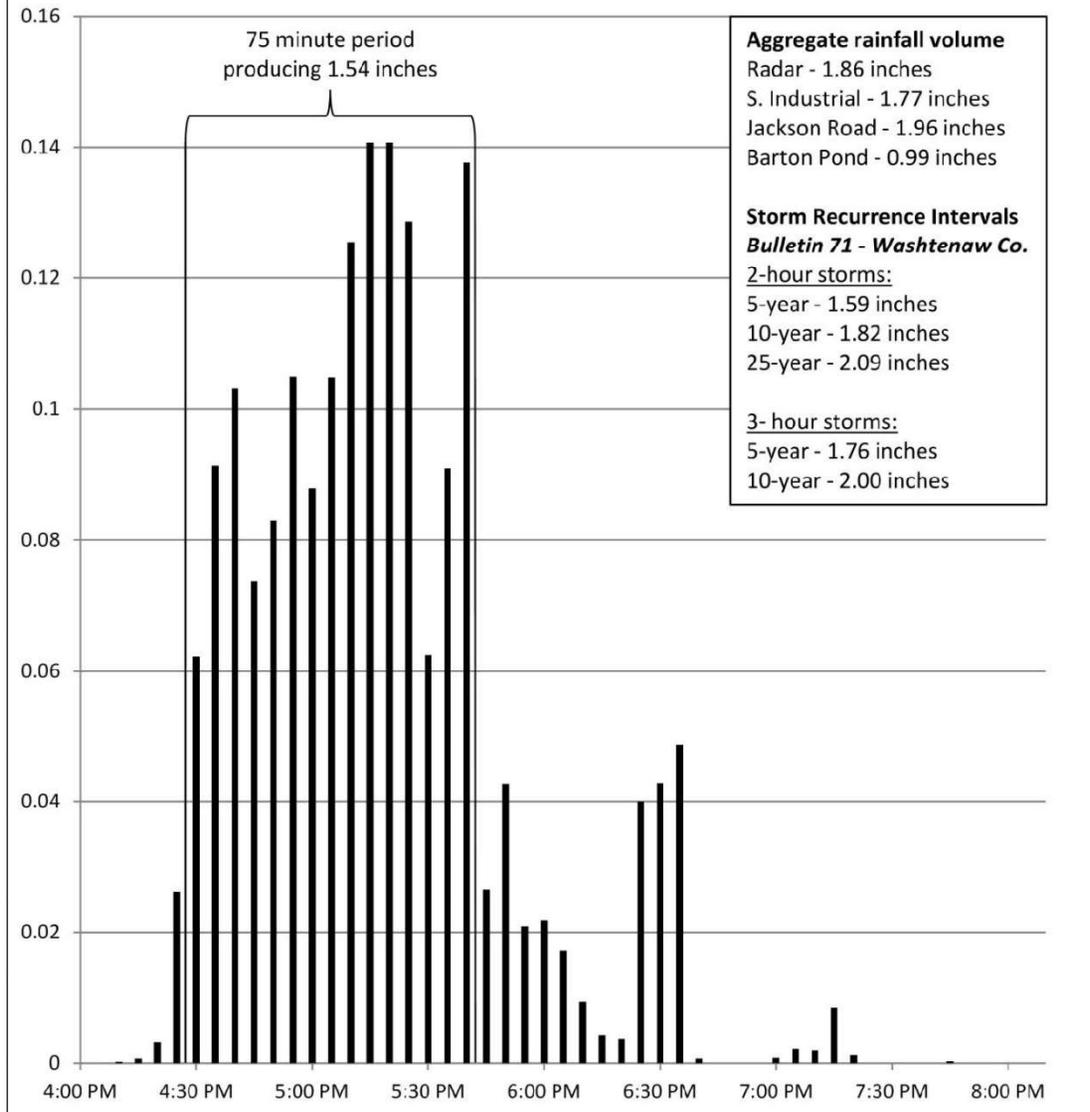
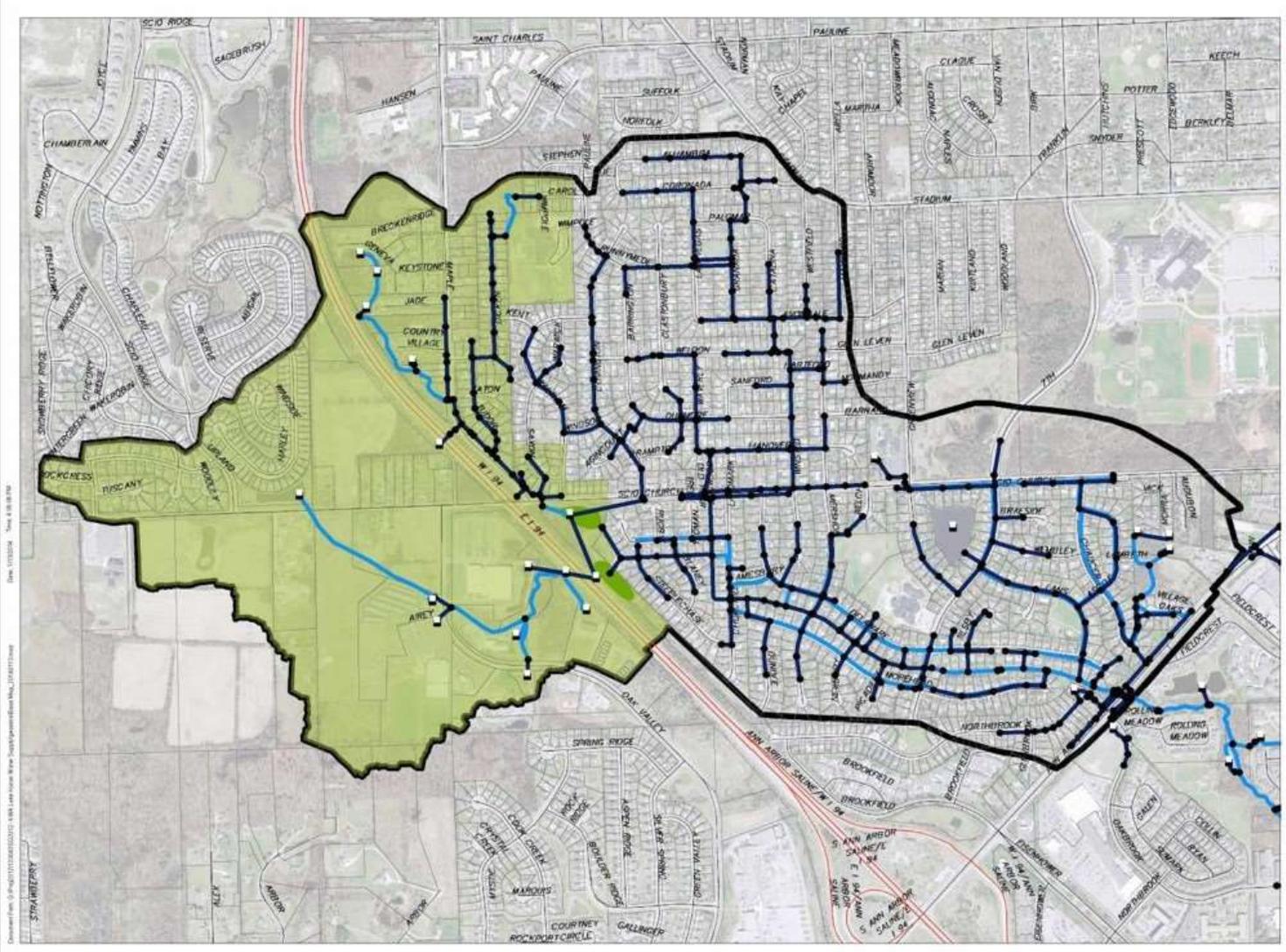


Figure II-5: Rainfall Data





**LEGEND**

- TYPE**
- JUNCTION
  - ▼ OUTFALL
  - STORAGE
  - PIPE
  - CHANNEL
  - EISENHOWER BASIN
  - EISENHOWER DRAINAGE AREA
  - COUNTY PARCELS
  - I-94 FREEWAY
  - ROADS
  - RAILROADS
  - UPPER MALLETTS DISTRICT

BY	DATE	REVISIONS	DATE

UPPER MALLETTS CREEK STUDY  
WASHTENAW COUNTY, MICHIGAN

**MODEL NODE DIAGRAM  
ALT 1**

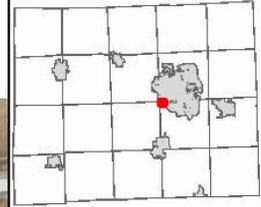
**Spicer**  
group

DE. BY: JMD    DL. BY:    PROJECT NO: 120365572013  
 DR. BY: BWC    ADP. BY:    SHEET 2 OF 4  
 DATE: JANUARY 2014    FILE NO:    SCALE: 1" = 400'

Drawn: 1/23/2014, Time: 4:00:00 PM  
 C:\Users\jmd\Documents\120365572013\120365572013.dwg  
 STRAWBERY



# Current Conditions



## Legend

- Close Roads OneWay
  - To-From
  - From-To
- Road Centerlines\_4K
  - <all other values>
  - Collector
  - Freeway
  - Highway
  - Local
  - Major Arterial
  - Minor Arterial
  - Ramp
- O2020\_boundary

THIS MAP REPRESENTS PARCELS AT THE TIME OF PRINTING. THE OFFICIAL PARCEL TAX MAPS ARE MAINTAINED SOLELY BY THE WASHTENAW COUNTY EQUALIZATION DEPARTMENT AND CAN BE OBTAINED BY CONTACTING THAT OFFICE AT 734-222-6662.

The information contained in this cadastral map is used to locate, identify and inventory parcels of land in Washtenaw County for appraisal and taxing purposes only and is not to be construed as a "survey description". The information is provided with the understanding that the conclusions drawn from such information are solely the responsibility of the user. Any assumption of legal status of this data is hereby disclaimed.

NOTE: Parcels may not be to scale.  
3/2/2021



© 2013 Washtenaw County

1: 3,600

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

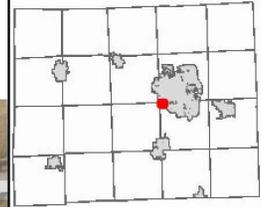
THIS MAP IS NOT TO BE USED FOR NAVIGATION

## Notes



Geographic Information System

# Current Conditions



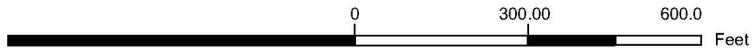
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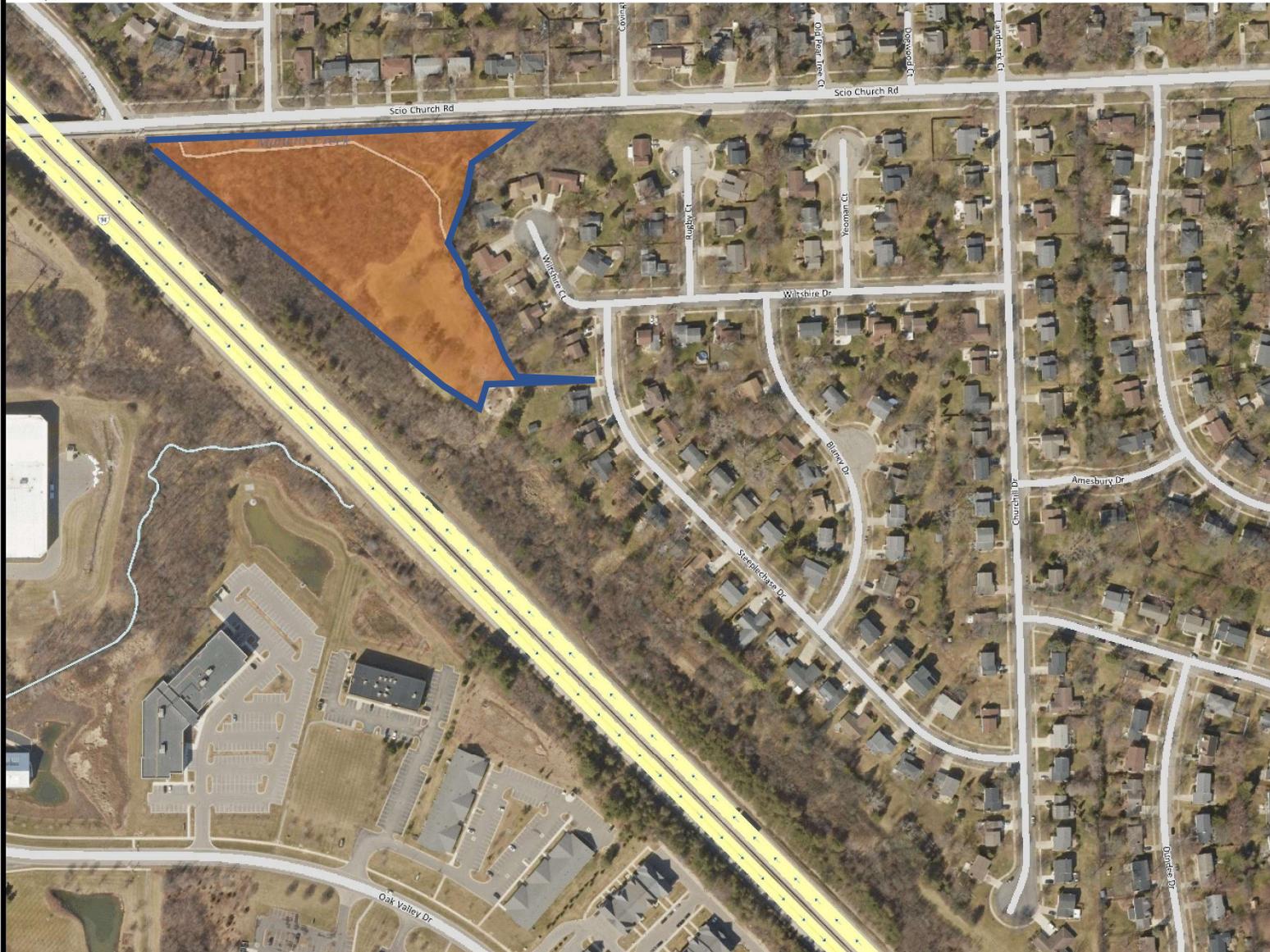
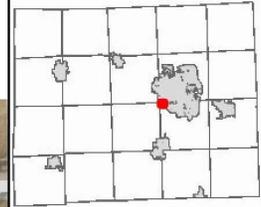
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# Current Conditions



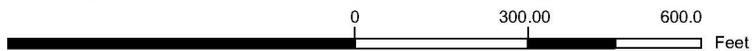
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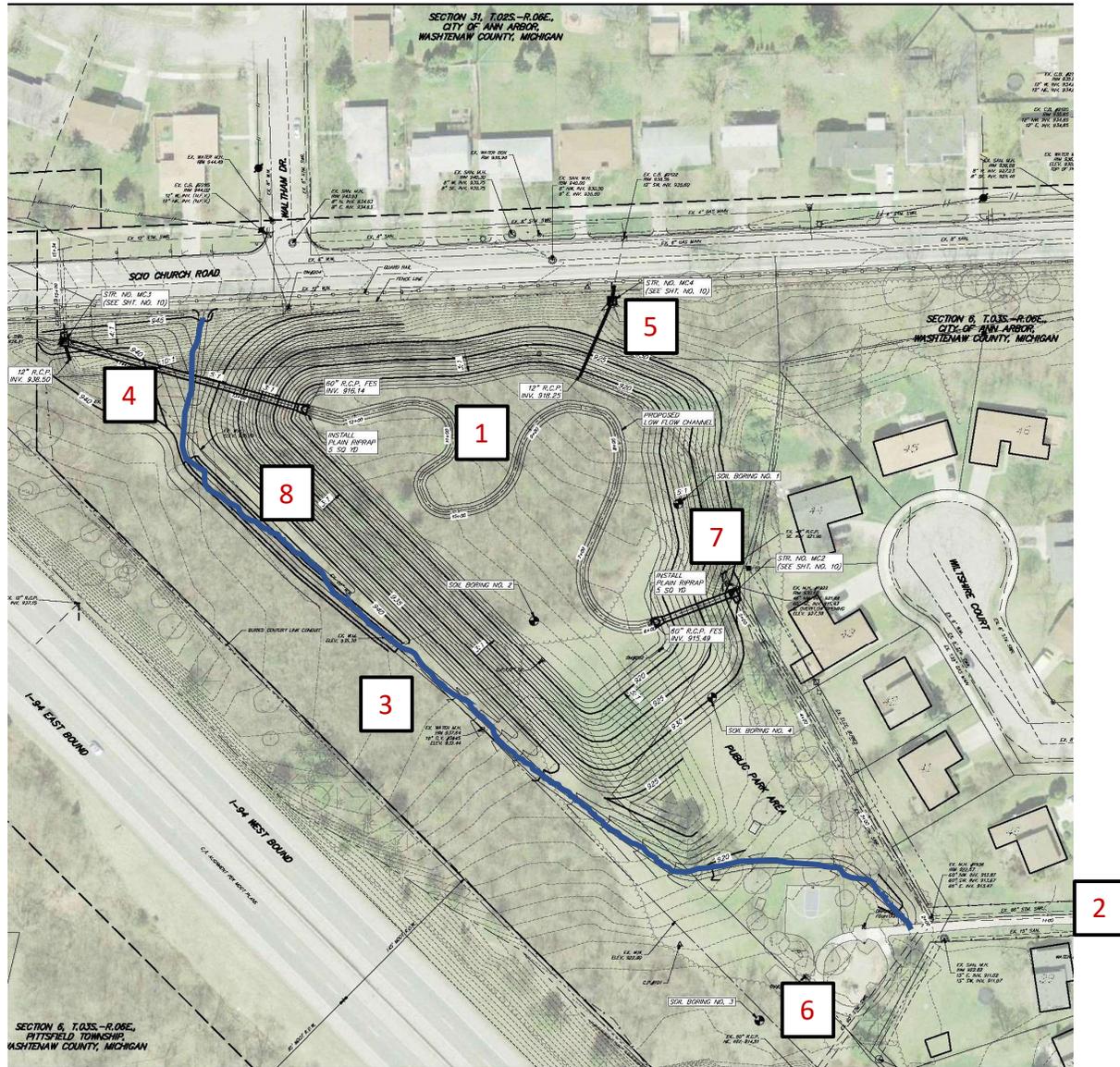
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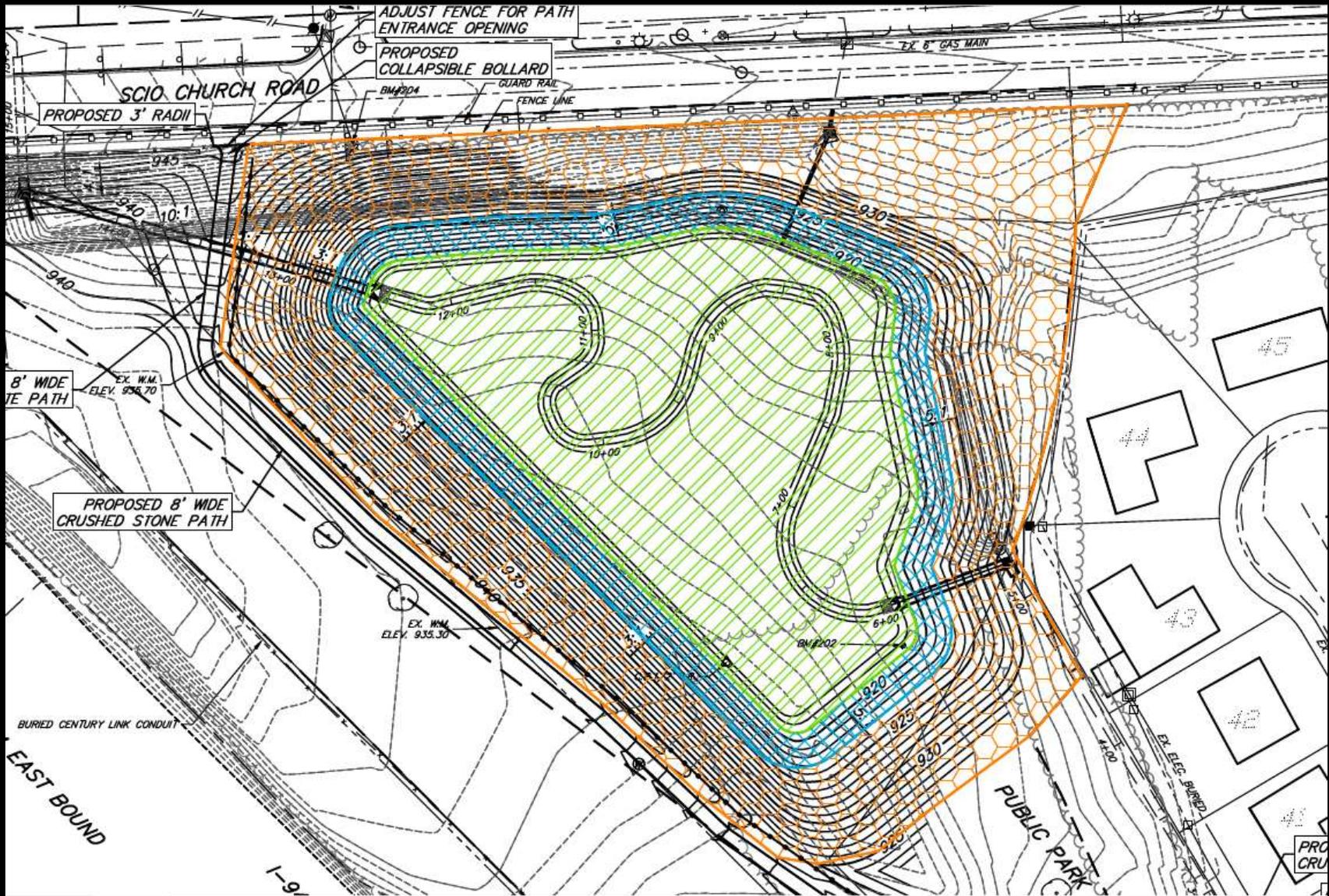
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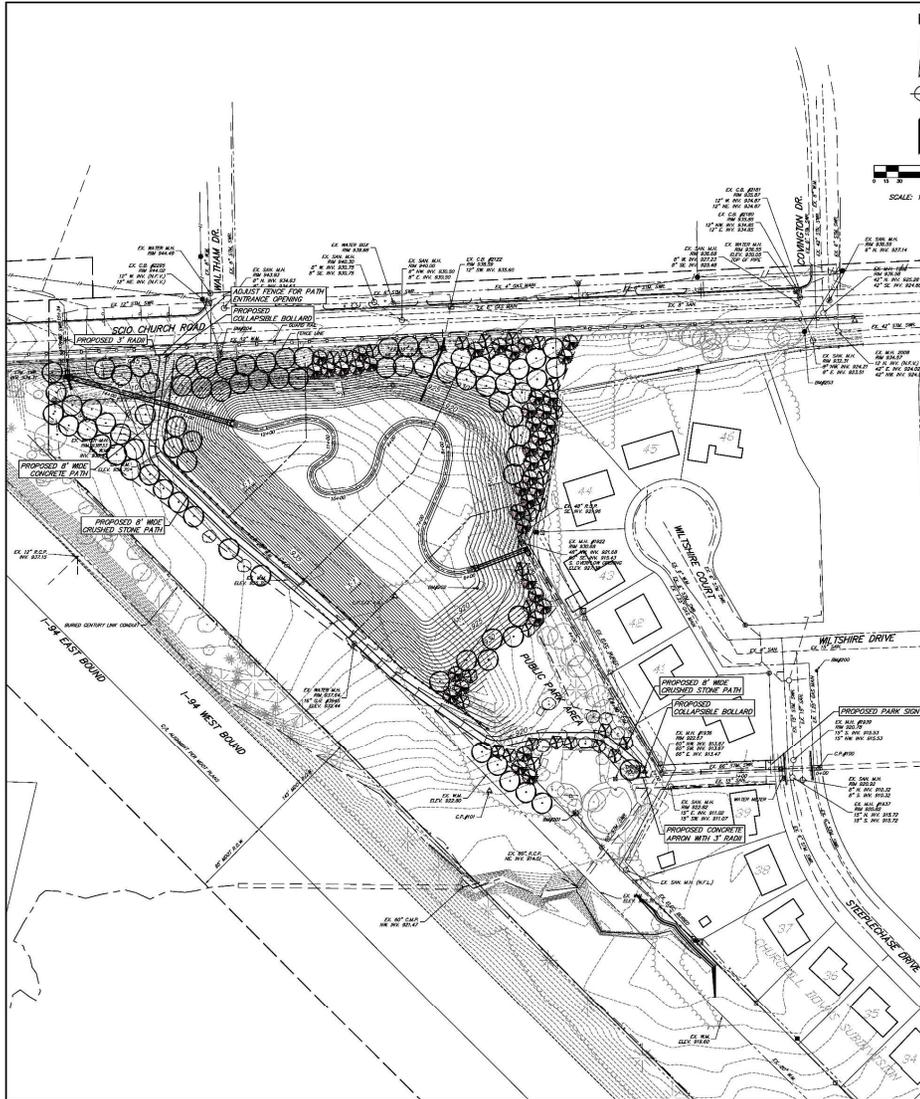
THIS MAP IS NOT TO BE USED FOR NAVIGATION

## Notes

1. Basin
2. Sewer Work
3. Pathway
4. 60" Pipe
5. 12" Pipe
6. Playground
7. Outlet
8. Fence







QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
<b>CONIFEROUS TREES</b>					
20	JV	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	5'	
19	FS	PINUS STROBILUS	EASTERN WHITE PINE	5'	
<b>LARGE DECIDUOUS TREES</b>					
9	CC	CARYA CORDIFORMIS	BITTERNUT HICKORY	2 1/2' BAG	
9	CA	CARYA OVATA	SHAGBARK HICKORY	2 1/2' BAG	
9	CD	CELTIS OCCIDENTALIS	COMMON HACKBERRY	2 1/2' BAG	
9	FS	FAGUS SYLVATICA	EUROPEAN BEECH	2 1/2' BAG	
9	LB	LIQUIDAMBAR STYRACIFLUA	AMERICAN SWEET GUM	2 1/2' BAG	
9	LT	LIRIODENDRON TULIPIFERA	TULIP TREE	2 1/2' BAG	
8	PD	PLATANUS OCCIDENTALIS	SPYCAMORE	2 1/2' BAG	
8	DB	QUERCUS BICOLOR	SWAMP WHITE OAK	2 1/2' BAG	
8	TR	TILIA AMERICANA	AMERICAN LINDEN	2 1/2' BAG	
<b>SMALL DECIDUOUS TREES</b>					
8	CE	CORNUS LANCOSENSIS	EASTERN REDBUD	1 1/2' BAG	
8	CF	CORNUS FLORIDA VAR. RUBRA	CHEROKEE BOWIE DOGWOOD	1 1/2' BAG	
7	AA	AMELANCHIER ARBOREA	DODGY SERVICEBERRY	1 1/2' BAG	
7	MC	MALUS CORONARIA	SWEET CRABAPPLE	1 1/2' BAG	
<b>VINE</b>					
62	CY	CLEMATIS VIRGINIANA	VIRGIN'S BOWER	QT	

**LANDSCAPING CALCULATIONS:**

TOTAL DBH REMOVED INCLUDING LANDMARK, WOODLAND, AND POTENTIAL BAT HABITAT TREES = 1605.2" DBH  
 1605.2" DBH @ 50% = 802.6" DBH REPLACEMENT

**BREAKDOWN OF REPLACEMENT:**  
 LANDMARK TREES 6" = 182.6" DBH  
 WOODLAND TREES 6" = 123.2" DBH  
 ALIVE BAT HABITAT 6" = 216.8" DBH

DBH PROVIDED: 337" DBH

**CONSTRUCTION NOTES:**

1. ALL PLANTINGS MUST BE APPROVED AND VERIFIED BY THE ENGINEER PRIOR TO INSTALLATION.
2. REPLACEMENT TREES SHALL BE NON-INVASIVE VARIETIES.
3. ALL HATCHED AREAS SHOWN SHALL BE PLANTED WITH CORRESPONDING WETLAND, FLOODPLAIN, OR PRAIRIE SPECIES.
4. ALL SEED MIXES PRESENTED MAY BE SUBSTITUTED WITH APPROVAL OF THE ENGINEER/LANDSCAPE ARCHITECT.
5. ALL DISTURBED NON-HATCHED AREAS SHALL BE STABILIZED WITH PERMANENT SEED MIX PER EROSION & SEDIMENTATION CONTROL DETAIL.

**EXISTING LANDSCAPE LEGEND**

- ☼ EVERGREEN TREE
- DECIDUOUS TREE
- TREE LINE
- EXISTING TREE TO REMAIN

**PROPOSED LANDSCAPE LEGEND**

- DECIDUOUS TREE
- ORNAMENTAL TREE
- ☼ EVERGREEN TREE

**PRELIMINARY**

20421

BY	MARK	REVISIONS	DATE

UPPER MALLETTS CREEK DRAIN  
 CHURCHILL DOWNS NATURAL FLOODPLAIN AREA  
 WASHTENAW COUNTY, MICHIGAN

**PARK RESTORATION  
 AND PLANTING PLAN**

**Spicer Group**  
 330 N. Washington Ave.  
 Saginaw, MI 48607  
 Tel: 517-764-4111  
 Fax: 517-764-4443  
 www.SpicerGroup.com

DATE: OCTOBER 2020  
 SCALE: 1" = 60'

DR: 3353-13

SHEET 13 OF 19  
 DR 13

# Agenda

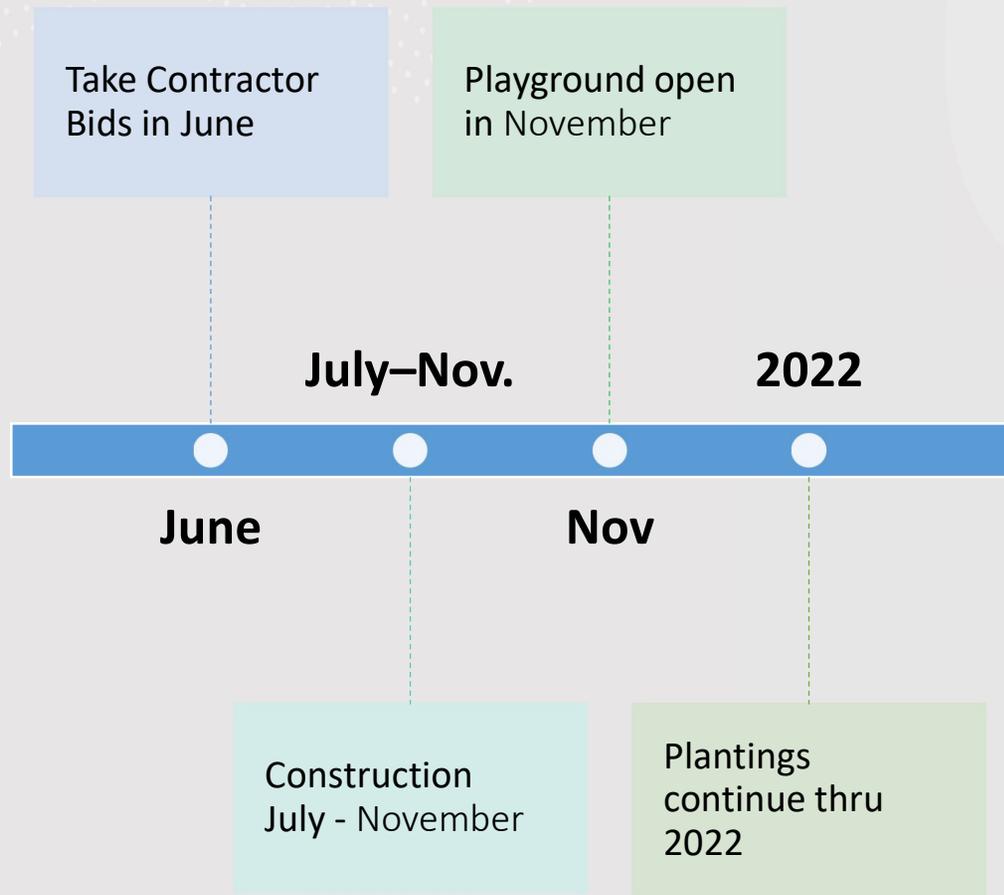
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# Timetable



# Agenda

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**State of Michigan  
Department of Environment, Great Lakes, and Energy**

Water Resources Division  
Jackson District Office  
301 East Louis Glick Highway  
Jackson, Michigan 49201-1535  
517-416-7001

Site Name: 81-Churchill Downs Park-Ann Arbor  
Submission Number: HP1-4RV1-1CE64  
Date: February 3, 2021

**PUBLIC NOTICE**

Washtenaw County Water Resources, Attn: Harry Sheehan, P.O. Box 8645, Ann Arbor, Michigan 48107, has applied to this office for a permit under authority of Part 301, Inland Lakes and Streams, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA). The applicant proposes to place approximately 1,368 cubic yards of fill within Malletts Creek Drain to abandon 693 linear feet of channel. Construct a new 647 linear foot long, 4 foot wide stream channel in upland. Construct a floodplain area around the new channel to provide 10.2 acre-feet of flood storage. Enclose 206 linear feet of stream within a 60-inch diameter storm sewer at the upstream end of the project area. Enclose 64 linear feet of stream within a 60-inch diameter storm sewer at the downstream end of the project area. Place 4 cubic yards of riprap within the stream at each enclosure to stabilize the outlets. The proposed project is intended to manage storm water and reduce the probability of flooding within the Upper Malletts Creek watershed. The project is located in T03S, R06E, Section 06, City of Ann Arbor, Washtenaw County, Michigan. Plans submitted with the application may be reviewed by following the instructions below.

**THIS NOTICE IS NOT A PERMIT**

The proposed project may also be regulated by one or more additional parts of the NREPA that are administered by the Michigan Department of Environment, Great Lakes, and Energy (EGLE), Water Resources Division (WRD). The requirements of all applicable parts are considered in determining if a permit can be issued. When a permit application is received requesting authorization to work in or over the inland waters of the State of Michigan, pursuant to Part 301 of the NREPA, the NREPA provides that EGLE submit copies for review to the department of public health; the city, village, or township and county where the project is to be located; the local soil conservation district; and any local watershed council organized under Part 311, Local River Management, of the NREPA. Additional notification is provided to certain persons as required by statute or determined by EGLE.

Those persons wanting to make comments on the proposed project shall furnish this office with their written comments no later than 20 days from the date of this notice. Written comments will be made part of the record and should reference the above application number. Objections must be factual, specific, and fully describe the reasons upon which any objection is founded. Unless a written request is filed with EGLE within the 20-day public comment period, EGLE may make a decision on the application without a public hearing. The determination as to whether a permit will be issued or a public hearing held will be based on an evaluation of all relevant

- Timeframe
- Conditions







# QUESTIONS & DISCUSSION

Also: please put your email in the chat or email me to get on the contact list  
[sheehan@washtenaw.org](mailto:sheehan@washtenaw.org)