## **MEMORANDUM**

To: Northville Planning Commission

From: Nancy Darga, Chair Northville River Restoration Task Force

Subject: River Park Design Process

Date: July 1, 2022

The River Restoration Task Force is looking forward to starting the design process for the proposed River Park in the Down's Development. The design of the park and the daylighted portion of the river can not start until the preliminary site plan is approved. It is imperative that preliminary site plan approval take place in August 2022 in order for the Task Force to meet time frames that parallel the permit review process, public hearings, and pending grant deadlines.

In order for the Planning Commission to understand the complicated permit review process and its impact on the design process for daylighting the river, we have attached an outline of the task and their expected schedule. This process will entail services from consulting engineering firms paid for by the developer. The effort will be a collaborative effort between the River Restoration Task Force, the Northville Parks and Recreation Commission, Wayne County, Michigan State EGLE, the Alliance of Rouge Communities and the city. This process will take up to 10 months from concept drawings to build out. (see attachment)

The design premise for the park is to create a passive environment-with nature trails, look out spots, and a pedestrian bridge traversing the daylighted portion of the river from the Fairbrook Street extension to River Street in Bealtown. Landscaping will be plentiful and include native species, wetland plants and bioswales.

Wayne County is recommending a \$ 2.5 million dollar grant through the American Rescue Plan to assist in daylighting the river. The grant requires completion of the project by 2026. Receiving preliminary site plan approval is our first step in meeting this deadline. Please let us know if you have any other questions. Thank you for your support.

TASK	[2] SCHEDULE											
TAOK	SCHEDOLL	MONTH 1	I	MONTH 2	MONTH 3	MONTH 4	MONTH 5	MONTH 6	MONTH 7	MONTH 8	MONTH 9	MONTH 10
	Duration											
Task 1: Data Collection and Existing Information Review	8 weeks											
Gather and review existing data												
Collect soil borings			ļ									
OAC Kickoff - Budget/programing/visioning		ОМ	ļ									
Review geotechnical report			ļ									
Review existing civil surveys documenting existing conditions Review existing utility data and information			ļ									
Review hydraulic modeling results for existing conditions			<u> </u>									
Conduct a geomorphic study of reference conditions			ļ									
Assemble feasibility study document												
Meetings (3)			DCM	DCM								
Task 2: Design and Municipal Approvals [3] [6]	23 weeks											
SD Drawings (sketches, channel alignment, planform, floodprone bno	ly, typ section) I		ļ									
50% SD comments received			ļ									
Provide 50% revised SD drawings to river task force River task force comments received		l	ļ									
			ļ									
100% SD plans for prelim SPA submittal SD Pricing incl. (1) meeting (pricing by others)			<u> </u>									
Attend PC preliminary site plan meeting			į									
Start DD phase (pending prelim SPA approval)			į									
Submit for City Council meeting (pending PC prelim SPA approval)												
50% DD drawings			ļ									
50% DD comments received			1									
Provide 50% revised DD drawings to river task force			1									
Develop proposed condition hydaulic model												
Attend City Council Meeting												
River task force comments received												
100% DD plans for final SPA submittal												
DD Pricing incl. (1) meeting (pricing by others)												
Attend PC final site plan meeting			ļ									
Meetings (14)				DCM DCM OM	RTI	M DCM	M DCM ON	M RTM DCM	M			
Task 3. Construction Documents	8 weeks			1 1 1	1 1 1	1 1 1	1 1 1	1 1 1	1 1			1 1 1
75% CD drawings	o weeks		ļ									
75% CD comments received			İ									
100% CD drawings												
Task 4. EGLE Water Resource Permit [1]	20 weeks											
Prepare joint permit application (JPA)			ļ									
Basis of design memorandum			ļ									
Supporting documents (e.g., hydrualic modeling report)			ļ									
JPA package submittal			ļ									
EGLE Review (minimum of 14 weeks, schedule controlled by EGLE)			ļ									
Agency (EGLE) Coordination Meetings (1)	TBD		ļ									
Micetings (1)	טטי		i									-
Task 5. CLOMR Application [1] [7]	26 weeks											
Apply for CLOMR (Conditional Letter of Map Revision)												
Apply for CLOMR (Conditional Letter of Map Revision) Meetings (2)	20 1100110											
Meetings (2)  Task 6. SESC Permit and Wayne County Approval [5]	6 weeks											
Meetings (2)  Task 6. SESC Permit and Wayne County Approval [5]  Apply for SESC permit and Wayne County approval (schedule controled by	6 weeks											
Meetings (2)  Task 6. SESC Permit and Wayne County Approval [5]	6 weeks											
Meetings (2)  Task 6. SESC Permit and Wayne County Approval [5]  Apply for SESC permit and Wayne County approval (schedule controled limited Meetings (1)	<b>6 weeks</b> by county)											
Meetings (2)  Task 6. SESC Permit and Wayne County Approval [5]  Apply for SESC permit and Wayne County approval (schedule controled I Meetings (1)  Task 7. Bid Package	6 weeks											
Meetings (2)  Task 6. SESC Permit and Wayne County Approval [5]  Apply for SESC permit and Wayne County approval (schedule controled IMeetings (1)  Task 7. Bid Package  100% Bid drawings	<b>6 weeks</b> by county)											
Meetings (2)  Task 6. SESC Permit and Wayne County Approval [5]  Apply for SESC permit and Wayne County approval (schedule controled I Meetings (1)  Task 7. Bid Package  100% Bid drawings Technical specifications	6 weeks by county) 4 weeks											
Meetings (2)  Task 6. SESC Permit and Wayne County Approval [5]  Apply for SESC permit and Wayne County approval (schedule controled IMeetings (1)  Task 7. Bid Package  100% Bid drawings	<b>6 weeks</b> by county)											
Meetings (2)  Task 6. SESC Permit and Wayne County Approval [5]  Apply for SESC permit and Wayne County approval (schedule controled IMeetings (1)  Task 7. Bid Package  100% Bid drawings Technical specifications Meetings (2)	6 weeks by county) 4 weeks TBD											
Meetings (2)  Task 6. SESC Permit and Wayne County Approval [5]  Apply for SESC permit and Wayne County approval (schedule controled IMeetings (1)  Task 7. Bid Package  100% Bid drawings Technical specifications Meetings (2)  Task 8. Bid Assistance	6 weeks by county) 4 weeks											
Meetings (2)  Task 6. SESC Permit and Wayne County Approval [5]  Apply for SESC permit and Wayne County approval (schedule controled in Meetings (1)  Task 7. Bid Package  100% Bid drawings  Technical specifications  Meetings (2)  Task 8. Bid Assistance  Contractor bidding / scoping	6 weeks by county) 4 weeks TBD											
Meetings (2)  Task 6. SESC Permit and Wayne County Approval [5]  Apply for SESC permit and Wayne County approval (schedule controled in Meetings (1)  Task 7. Bid Package  100% Bid drawings  Technical specifications  Meetings (2)  Task 8. Bid Assistance  Contractor bidding / scoping  Prebid meeting (1)	6 weeks by county) 4 weeks TBD											
Meetings (2)  Task 6. SESC Permit and Wayne County Approval [5]  Apply for SESC permit and Wayne County approval (schedule controled in Meetings (1)  Task 7. Bid Package  100% Bid drawings  Technical specifications  Meetings (2)  Task 8. Bid Assistance  Contractor bidding / scoping	6 weeks by county) 4 weeks TBD											
Task 6. SESC Permit and Wayne County Approval [5] Apply for SESC permit and Wayne County approval (schedule controled IMeetings (1)  Task 7. Bid Package 100% Bid drawings Technical specifications Meetings (2)  Task 8. Bid Assistance Contractor bidding / scoping Prebid meeting (1) Bidder response and addendums	6 weeks by county) 4 weeks TBD											
Meetings (2)  Task 6. SESC Permit and Wayne County Approval [5]  Apply for SESC permit and Wayne County approval (schedule controled in Meetings (1))  Task 7. Bid Package  100% Bid drawings  Technical specifications  Meetings (2)  Task 8. Bid Assistance  Contractor bidding / scoping  Prebid meeting (1)  Bidder response and addendums  Bid tabulation (by other)	6 weeks by county) 4 weeks TBD											
Task 6. SESC Permit and Wayne County Approval [5] Apply for SESC permit and Wayne County approval (schedule controled in Meetings (1)  Task 7. Bid Package 100% Bid drawings Technical specifications Meetings (2)  Task 8. Bid Assistance Contractor bidding / scoping Prebid meeting (1) Bidder response and addendums Bid tabulation (by other) Post bid interviews (assumes 3 meetings)	6 weeks by county) 4 weeks TBD											
Task 6. SESC Permit and Wayne County Approval [5] Apply for SESC permit and Wayne County approval (schedule controled in Meetings (1)  Task 7. Bid Package  100% Bid drawings Technical specifications Meetings (2)  Task 8. Bid Assistance  Contractor bidding / scoping Prebid meeting (1) Bidder response and addendums Bid tabulation (by other) Post bid interviews (assumes 3 meetings) Recommendation for award Meetings (4)	6 weeks by county)  4 weeks  TBD  6 weeks											
Task 6. SESC Permit and Wayne County Approval [5] Apply for SESC permit and Wayne County approval (schedule controled in Meetings (1)  Task 7. Bid Package  100% Bid drawings  Technical specifications  Meetings (2)  Task 8. Bid Assistance  Contractor bidding / scoping  Prebid meeting (1)  Bidder response and addendums  Bid tabulation (by other)  Post bid interviews (assumes 3 meetings)  Recommendation for award	6 weeks by county) 4 weeks TBD											

Northville Downs Middle Rouge River Daylighting / River Park Schedule TASK	[2] SCHEDULE											
		MONTH 11	MONTH 12	MONTH 13	MONTH 14	MONTH 15	MONTH 16	MONTH 17	MONTH 18	MONTH 19	MONTH 20	MONTH 21
	Duration											
Task 1: Data Collection and Existing Information Review	8 weeks				1 1 1							
Gather and review existing data	o weeks											
Collect soil borings												
OAC Kickoff - Budget/programing/visioning												
Review geotechnical report Review existing civil surveys documenting existing conditions												
Review existing civil surveys documenting existing conditions  Review existing utility data and information												
Review hydraulic modeling results for existing conditions												
Conduct a geomorphic study of reference conditions												
Assemble feasibility study document												
Meetings (3)												
Task 2: Design and Municipal Approvals [3] [6]	23 weeks		1 1 1		1 1 1		1 1 1	1 1 1	1 1 1		1 1 1	1 1 1
SD Drawings (sketches, channel alignment, planform, floodprone bnd												
50% SD comments received												
Provide 50% revised SD drawings to river task force												
River task force comments received												
100% SD plans for prelim SPA submittal SD Pricing incl. (1) meeting (pricing by others)												
Attend PC preliminary site plan meeting												
Start DD phase (pending prelim SPA approval)												
Submit for City Council meeting (pending PC prelim SPA approval)												
50% DD drawings												
50% DD comments received Provide 50% revised DD drawings to river task force												
Develop proposed condition hydaulic model												
Attend City Council Meeting												
River task force comments received												
100% DD plans for final SPA submittal												
DD Pricing incl. (1) meeting (pricing by others) Attend PC final site plan meeting												
Meetings (14)												
Task 3. Construction Documents	8 weeks											
75% CD drawings												
75% CD comments received 100% CD drawings												
100% CD drawings							i i i		i i i			i i i
Task 4. EGLE Water Resource Permit [1]	20 weeks											
Prepare joint permit application (JPA)												
Basis of design memorandum												
Supporting documents (e.g., hydrualic modeling report) JPA package submittal												
EGLE Review (minimum of 14 weeks, schedule controled by EGLE)												
Agency (EGLE) Coordination												
Meetings (1)	TBD											
Tools F. CLONAD Application (4) (7)	20											
Task 5. CLOMR Application [1] [7]  Apply for CLOMR (Conditional Letter of Map Revision)	26 weeks											
Meetings (2)												
				: : :								
Task 6. SESC Permit and Wayne County Approval [5]	6 weeks											
Apply for SESC permit and Wayne County approval (schedule controled by	y county)											
Meetings (1)												
Task 7. Bid Package	4 weeks											
100% Bid drawings	11.55.13											
Technical specifications												
Meetings (2)	TBD										ОМ	DCM
Task 8. Bid Assistance	6 weeks			1 1								
Contractor bidding / scoping	o weeks											
Prebid meeting (1)												
Bidder response and addendums												
Bid tabulation (by other)												
Post bid interviews (assumes 3 meetings)												
Recommendation for award												
Recommendation for award	12 weeks											

	SCHEDULE				
		MONTH 22	MONTH 23		
	Duration				
ol. 1. Data Callection and Frieting Information Parism	O vecales				
ask 1: Data Collection and Existing Information Review Gather and review existing data	8 weeks				
Collect soil borings					
OAC Kickoff - Budget/programing/visioning					
Review geotechnical report					
Review existing civil surveys documenting existing conditions				[	
Review existing utility data and information					
Review hydraulic modeling results for existing conditions					
Conduct a geomorphic study of reference conditions					
Assemble feasibility study document					
Meetings (3)				_	
ask 2: Design and Municipal Approvals [3] [6]	23 weeks	1 1 1			
SD Drawings (sketches, channel alignment, planform, floodprone	I I I				
50% SD comments received					
Provide 50% revised SD drawings to river task force					
River task force comments received					
100% SD plans for prelim SPA submittal					
SD Pricing incl. (1) meeting (pricing by others)					
Attend PC preliminary site plan meeting					
Start DD phase (pending prelim SPA approval)					
Submit for City Council meeting (pending PC prelim SPA approva	nI)				
50% DD drawings					
50% DD comments received					
Provide 50% revised DD drawings to river task force					
Develop proposed condition hydaulic model					
Attend City Council Meeting					
River task force comments received					
100% DD plans for final SPA submittal					
DD Pricing incl. (1) meeting (pricing by others)					
Attend PC final site plan meeting					
Meetings (14)					
ask 3. Construction Documents	8 weeks				
75% CD drawings	i				
75% CD comments received					
100% CD drawings					
ask 4. EGLE Water Resource Permit [1]  Prepare joint permit application (JPA)	20 weeks				
Basis of design memorandum					
Supporting documents (e.g., hydrualic modeling report)					
JPA package submittal					
EGLE Review (minimum of 14 weeks, schedule controled by EGLI	-\				
•	=)				
Agency (EGLE) Coordination	=)				
•	TBD				
Agency (EGLE) Coordination Meetings (1)	TBD				
Agency (EGLE) Coordination Meetings (1)  ask 5. CLOMR Application [1] [7]					
Agency (EGLE) Coordination Meetings (1)  ask 5. CLOMR Application [1] [7]  Apply for CLOMR (Conditional Letter of Map Revision)	TBD				
Agency (EGLE) Coordination Meetings (1)  ask 5. CLOMR Application [1] [7]	TBD				
Agency (EGLE) Coordination Meetings (1)  ask 5. CLOMR Application [1] [7]  Apply for CLOMR (Conditional Letter of Map Revision) Meetings (2)	TBD 26 weeks				
Agency (EGLE) Coordination Meetings (1)  ask 5. CLOMR Application [1] [7] Apply for CLOMR (Conditional Letter of Map Revision) Meetings (2)  ask 6. SESC Permit and Wayne County Approval [5]	TBD 26 weeks 6 weeks				
Agency (EGLE) Coordination Meetings (1)  ask 5. CLOMR Application [1] [7] Apply for CLOMR (Conditional Letter of Map Revision) Meetings (2)  ask 6. SESC Permit and Wayne County Approval [5] apply for SESC permit and Wayne County approval (schedule control	TBD 26 weeks 6 weeks				
Agency (EGLE) Coordination Meetings (1)  ask 5. CLOMR Application [1] [7] Apply for CLOMR (Conditional Letter of Map Revision) Meetings (2)  ask 6. SESC Permit and Wayne County Approval [5] apply for SESC permit and Wayne County approval (schedule control	TBD 26 weeks 6 weeks				
Agency (EGLE) Coordination Meetings (1)  ask 5. CLOMR Application [1] [7] Apply for CLOMR (Conditional Letter of Map Revision) Meetings (2)  ask 6. SESC Permit and Wayne County Approval [5] apply for SESC permit and Wayne County approval (schedule controlleetings (1)	TBD  26 weeks  6 weeks  oled by county)				
Agency (EGLE) Coordination Meetings (1)  ask 5. CLOMR Application [1] [7] Apply for CLOMR (Conditional Letter of Map Revision) Meetings (2)  ask 6. SESC Permit and Wayne County Approval [5] Apply for SESC permit and Wayne County approval (schedule controlleetings (1)	TBD 26 weeks 6 weeks				
Agency (EGLE) Coordination Meetings (1)  ask 5. CLOMR Application [1] [7] Apply for CLOMR (Conditional Letter of Map Revision) Meetings (2)  ask 6. SESC Permit and Wayne County Approval [5] apply for SESC permit and Wayne County approval (schedule controlleetings (1)  ask 7. Bid Package 100% Bid drawings	TBD  26 weeks  6 weeks  oled by county)				
Agency (EGLE) Coordination Meetings (1)  Isk 5. CLOMR Application [1] [7] Apply for CLOMR (Conditional Letter of Map Revision) Meetings (2)  Isk 6. SESC Permit and Wayne County Approval [5] Deply for SESC permit and Wayne County approval (schedule controlleetings (1)  Isk 7. Bid Package  100% Bid drawings Technical specifications	TBD  26 weeks  led by county)  4 weeks				
Agency (EGLE) Coordination Meetings (1)  Isk 5. CLOMR Application [1] [7] Apply for CLOMR (Conditional Letter of Map Revision) Meetings (2)  Isk 6. SESC Permit and Wayne County Approval [5] Isply for SESC permit and Wayne County approval (schedule controleetings (1)  Isk 7. Bid Package 100% Bid drawings	TBD  26 weeks  6 weeks  oled by county)				
Agency (EGLE) Coordination Meetings (1)  ask 5. CLOMR Application [1] [7]  Apply for CLOMR (Conditional Letter of Map Revision) Meetings (2)  ask 6. SESC Permit and Wayne County Approval [5]  apply for SESC permit and Wayne County approval (schedule controleetings (1)  ask 7. Bid Package  100% Bid drawings Technical specifications Meetings (2)	TBD  26 weeks  6 weeks  led by county)  4 weeks  TBD				
Agency (EGLE) Coordination Meetings (1)  ask 5. CLOMR Application [1] [7] Apply for CLOMR (Conditional Letter of Map Revision) Meetings (2)  ask 6. SESC Permit and Wayne County Approval [5] Apply for SESC permit and Wayne County approval (schedule controlleetings (1)  ask 7. Bid Package 100% Bid drawings Technical specifications Meetings (2)  ask 8. Bid Assistance	TBD  26 weeks  led by county)  4 weeks				
Agency (EGLE) Coordination Meetings (1)  ask 5. CLOMR Application [1] [7] Apply for CLOMR (Conditional Letter of Map Revision) Meetings (2)  ask 6. SESC Permit and Wayne County Approval [5] apply for SESC permit and Wayne County approval (schedule controlleetings (1)  ask 7. Bid Package 100% Bid drawings Technical specifications Meetings (2)  ask 8. Bid Assistance Contractor bidding / scoping	TBD  26 weeks  6 weeks  led by county)  4 weeks  TBD				
Agency (EGLE) Coordination Meetings (1)  ask 5. CLOMR Application [1] [7] Apply for CLOMR (Conditional Letter of Map Revision) Meetings (2)  ask 6. SESC Permit and Wayne County Approval [5] pply for SESC permit and Wayne County approval (schedule controlleetings (1)  ask 7. Bid Package 100% Bid drawings Technical specifications Meetings (2)  ask 8. Bid Assistance Contractor bidding / scoping Prebid meeting (1)	TBD  26 weeks  6 weeks  led by county)  4 weeks  TBD				
Agency (EGLE) Coordination Meetings (1)  ask 5. CLOMR Application [1] [7] Apply for CLOMR (Conditional Letter of Map Revision) Meetings (2)  ask 6. SESC Permit and Wayne County Approval [5] apply for SESC permit and Wayne County approval (schedule controlleetings (1)  ask 7. Bid Package 100% Bid drawings Technical specifications Meetings (2)  ask 8. Bid Assistance Contractor bidding / scoping Prebid meeting (1) Bidder response and addendums	TBD  26 weeks  6 weeks  led by county)  4 weeks  TBD				
Agency (EGLE) Coordination Meetings (1)  ask 5. CLOMR Application [1] [7] Apply for CLOMR (Conditional Letter of Map Revision) Meetings (2)  ask 6. SESC Permit and Wayne County Approval [5] Apply for SESC permit and Wayne County approval (schedule controlleetings (1)  ask 7. Bid Package 100% Bid drawings Technical specifications Meetings (2)  ask 8. Bid Assistance Contractor bidding / scoping Prebid meeting (1) Bidder response and addendums Bid tabulation (by other)	TBD  26 weeks  6 weeks  led by county)  4 weeks  TBD				
Agency (EGLE) Coordination Meetings (1)  ask 5. CLOMR Application [1] [7]  Apply for CLOMR (Conditional Letter of Map Revision) Meetings (2)  ask 6. SESC Permit and Wayne County Approval [5]  apply for SESC permit and Wayne County approval (schedule controlleetings (1)  ask 7. Bid Package  100% Bid drawings Technical specifications Meetings (2)  ask 8. Bid Assistance  Contractor bidding / scoping Prebid meeting (1)  Bidder response and addendums Bid tabulation (by other) Post bid interviews (assumes 3 meetings)	TBD  26 weeks  6 weeks  led by county)  4 weeks  TBD				
Agency (EGLE) Coordination Meetings (1)  ask 5. CLOMR Application [1] [7]  Apply for CLOMR (Conditional Letter of Map Revision) Meetings (2)  ask 6. SESC Permit and Wayne County Approval [5]  pply for SESC permit and Wayne County approval (schedule controlleetings (1)  ask 7. Bid Package  100% Bid drawings Technical specifications Meetings (2)  ask 8. Bid Assistance  Contractor bidding / scoping Prebid meeting (1)  Bidder response and addendums Bid tabulation (by other) Post bid interviews (assumes 3 meetings) Recommendation for award	TBD  26 weeks  led by county)  4 weeks  TBD  6 weeks				
Agency (EGLE) Coordination Meetings (1)  ask 5. CLOMR Application [1] [7]  Apply for CLOMR (Conditional Letter of Map Revision) Meetings (2)  ask 6. SESC Permit and Wayne County Approval [5]  apply for SESC permit and Wayne County approval (schedule controlleetings (1)  ask 7. Bid Package  100% Bid drawings Technical specifications Meetings (2)  ask 8. Bid Assistance  Contractor bidding / scoping Prebid meeting (1)  Bidder response and addendums Bid tabulation (by other) Post bid interviews (assumes 3 meetings)	TBD  26 weeks  led by county)  4 weeks  TBD  6 weeks		M (3)		
Agency (EGLE) Coordination Meetings (1)  ask 5. CLOMR Application [1] [7]  Apply for CLOMR (Conditional Letter of Map Revision) Meetings (2)  ask 6. SESC Permit and Wayne County Approval [5]  apply for SESC permit and Wayne County approval (schedule controlleetings (1)  ask 7. Bid Package  100% Bid drawings Technical specifications Meetings (2)  ask 8. Bid Assistance  Contractor bidding / scoping Prebid meeting (1)  Bidder response and addendums  Bid tabulation (by other) Post bid interviews (assumes 3 meetings) Recommendation for award	TBD  26 weeks  led by county)  4 weeks  TBD  6 weeks		M (3)		

[1] Assumes ECT will permit the river daylighting project only, not including any other part of the development.

[2] Schedule is depent on approval of design team proposals, City approvals, permitting and whether we bid before or after permit issuance. We have proposed an aggressive schedule that could allow construction to start in 2024.

[3] Schedule & proposals assume all stakeholder & community outreach meetings are held & attended by the River Task Force. The River Task Force to download comments to the design team. Schedule shall be adjusted according to the extent of comments rec'd.

[4] (12) Weeks of construction duration / observation assumed for both river park and river opening. The park construction would likely be subsequent to the river opening to provide construction staging area for the overall development.

[5] Assumes SKL will lead permit / approval effort with document support from GMA.

[6] Task 2 and all subsequent tasks can not start until preliminary Site Plan Approval is granted for the overall project.

[7] CLOMR Application assumes (2) FEMA reviews of 90 days each and should be considered a minimum timeframe.

**DCM** = Design Coordination Meeting

**OM** = Owner Meeting

RTM = River Task Force Meeting

**M** = Project Meeting