

**OAKLAND COUNTY WATER RESOURCES COMMISSIONER
PROJECT ASSESSMENT RECOMMENDATION FOR THE
RANDOLPH STREET DRAIN**

PROJECT: Randolph Street Serenity Point Drain Improvements Project (PRJ-17641)

CURRENT FUND BALANCE: (\$90,732.85)
Construction fund FND84906

AMOUNT TO BE ASSESSED: \$419,862.00

Public Corporation	*Percentage of Apportionment	Total Amount of Assessment
City of Northville	62.19039%	\$ 261,113.81
City of Novi	35.40427%	\$ 148,649.08
Road Commission for County of Oakland on account of drainage to county highways	2.07760%	\$ 8,723.05
County of Wayne	0.32774%	\$ 1,376.06
Total	100.00000%	\$ 419,862.00

*Apportionment based on Final Order of Apportionment dated 06/10/1975.

Assessment Payment Due Date: 12/31/2024

I hereby certify that the forgoing Special Assessment Roll was prepared in accordance with the directions of the Drainage Board for the Randolph Street Drain and the statutory provisions applicable thereto.



Jim Nash
Secretary of the Drainage Board for the Randolph Street Drain

The foregoing Special Assessment Roll was approved for the Randolph Street Drain on 11/25/2024



Jim Nash
Secretary of the Drainage Board for the Randolph Street Drain

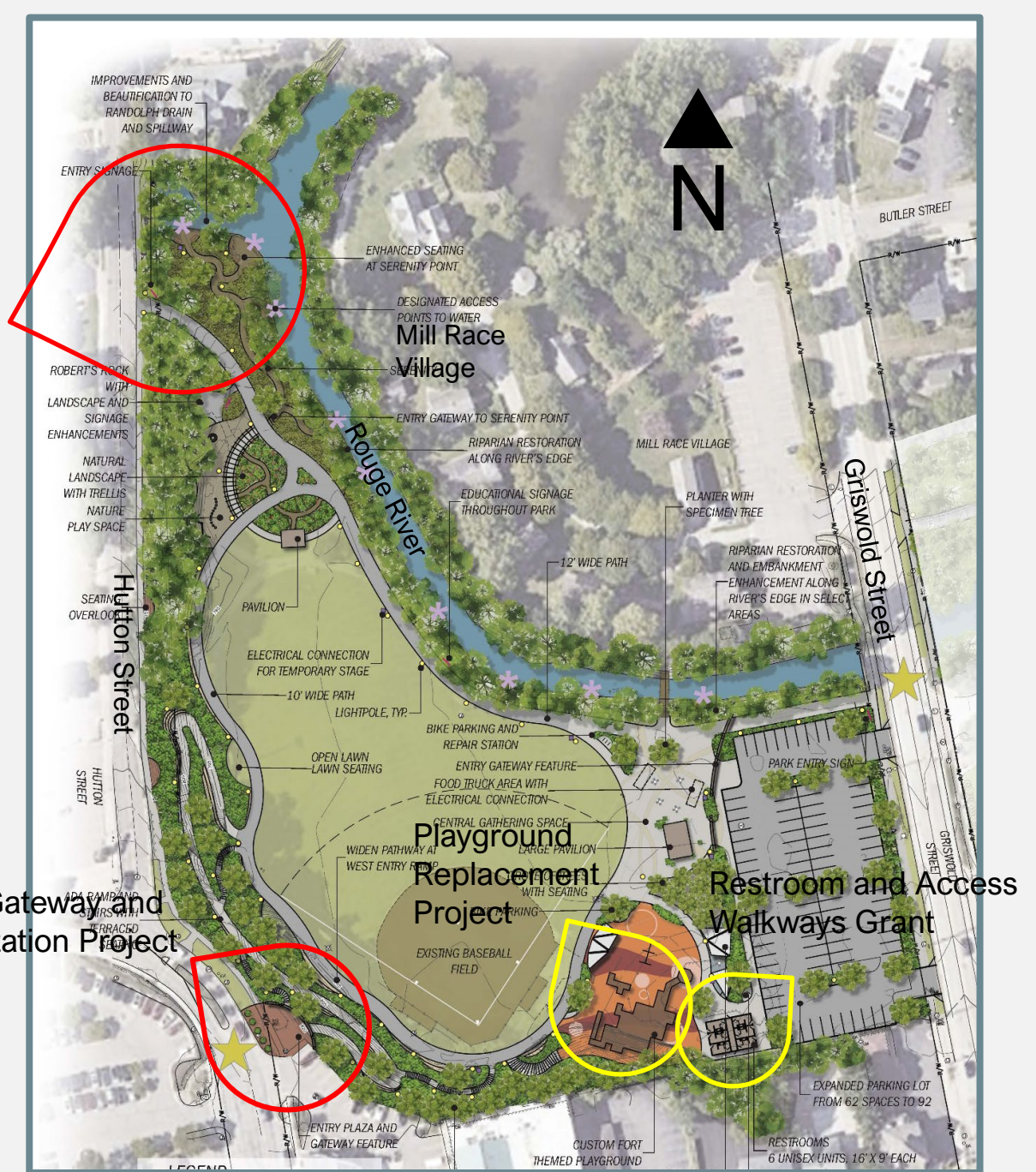
RANDOLPH STREET SERENITY POINT DRAIN IMPROVEMENTS
ESTIMATE OF PROJECT COSTS
REVISED: SEPTEMBER 10, 2024

	Project Costs
1) Contracted Services: Construction Cost	
a Constuction Cost (as-bid)	\$ 730,955
b Add More if Multiple Phases/ Contracts	
Subtotal Construction Cost	\$ 730,955
2) Engineering Consultants	
a Design Phase	\$ 64,560
b Construction Administration, Inspection, Surveying	\$ 53,040
c SHPO Application, Documentation, Grant Application	\$ 11,000
d Geo-tech	\$ 5,000
e	
f	
Subtotal Engineering Consultants	\$ 133,600
3) Legal & Financial	
a Easements	
b Legal Costs	
c Financial Consultant (For Bond Sale Only) TBD	
d Bond Counsel (Bond Issue Only) TBD	
e OCIP Insurance	
f Official Statement	
g Wetland Mitigation	
Subtotal Legal & Financial	\$ -
4) County Services:	
a Administration & General (ADM)	\$ 7,310
b Engineering (ENG)	\$ 14,619
c Right-Of-Way (ROW)	\$ 4,300
d Construction Inspection (INS)	
e GIS Mapping (ADM)	
f Operation Staff (STD) (Shutdowns, Training New Facilities, etc.)	
g Survey (SUR)	
Subtotal County Services	\$ 26,229
Project Subtotal	\$ 890,784
5) 10% Construction Contingency	\$ 89,078
TOTAL ESTIMATED COST	\$ 979,862
6) Less Anticipated Grant Funds	\$ 560,000
7) Total Project Cost	\$ 419,862
Send completed estimate to Fiscal Services to be loaded in CIP People Soft Budget Report	

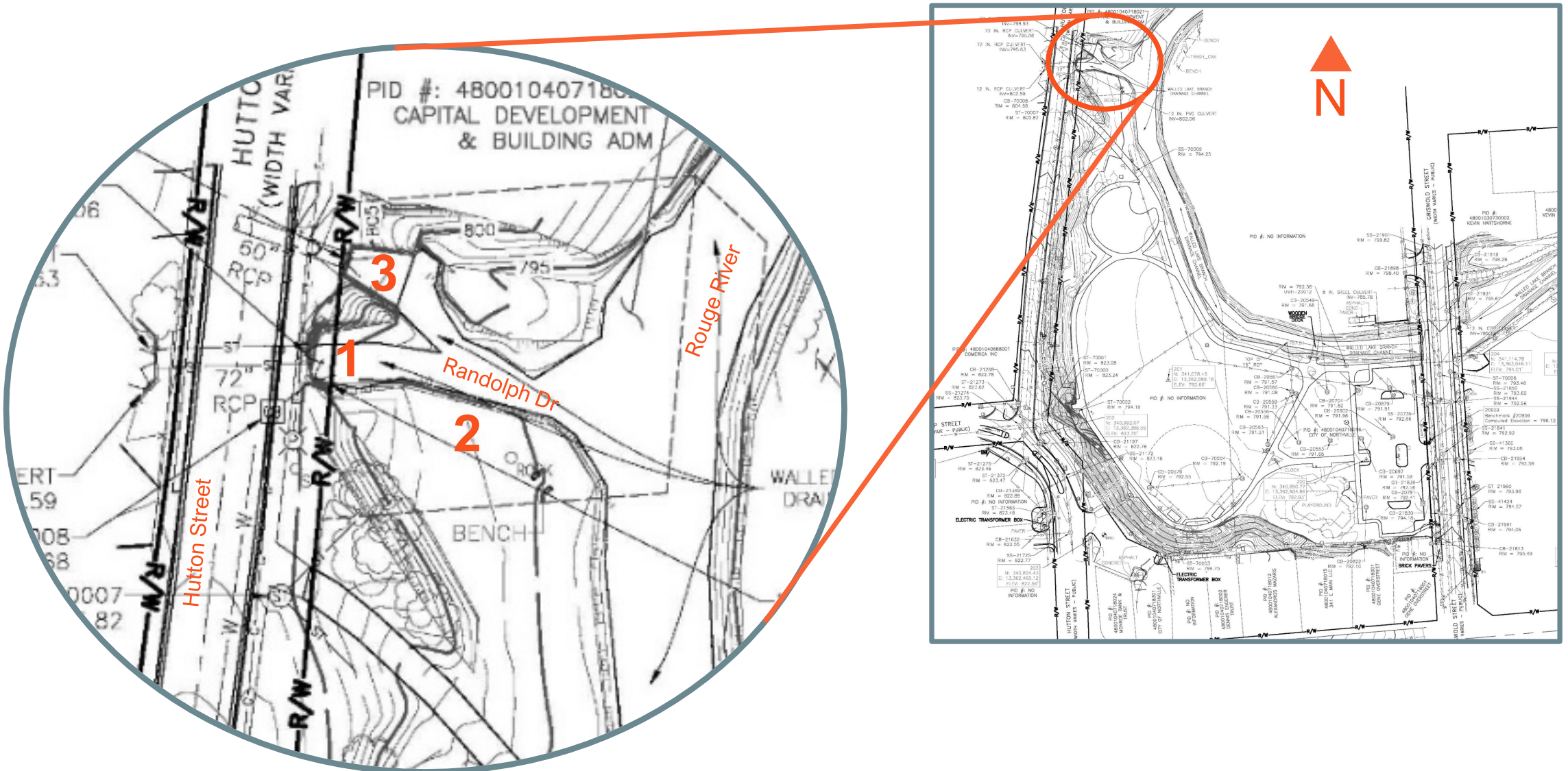
FORD FIELD PARK WEST MASTER PLAN

Randolph Drain Serenity Point Project

Accessible Gateway and
Bank Stabilization Project



EXISTING CONDITIONS



EXISTING CONDITIONS

Site Issues

1. Headwall spalling/delamination
2. Bank erosion
3. Outlet undermining

Grant and Project Goals

1. Secure stability of Hutton Street
2. Stabilize riverbank
3. Stabilize overflow structure
4. Define serenity point



PROJECT SOLUTIONS

Headwall Spalling and Delamination

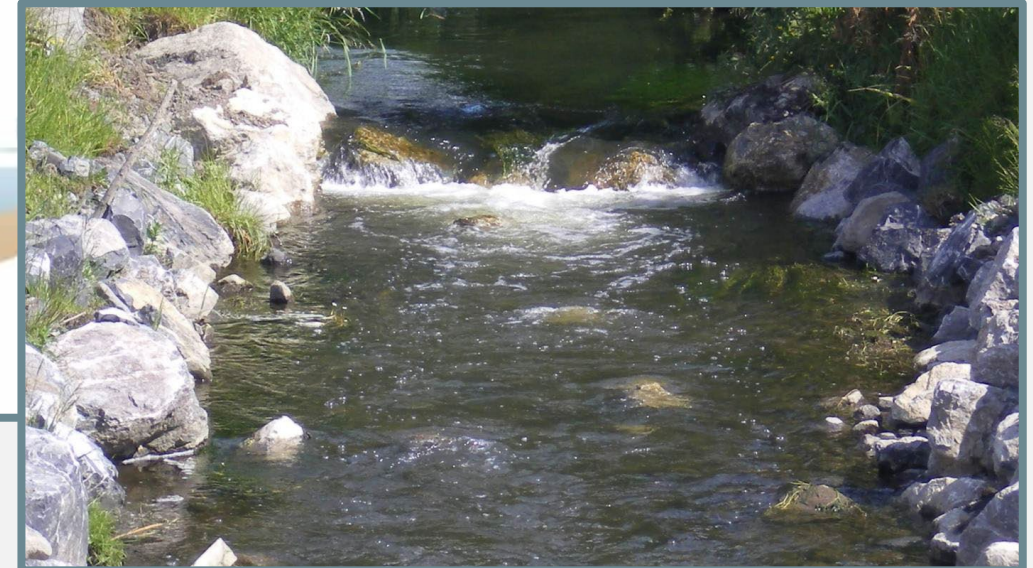
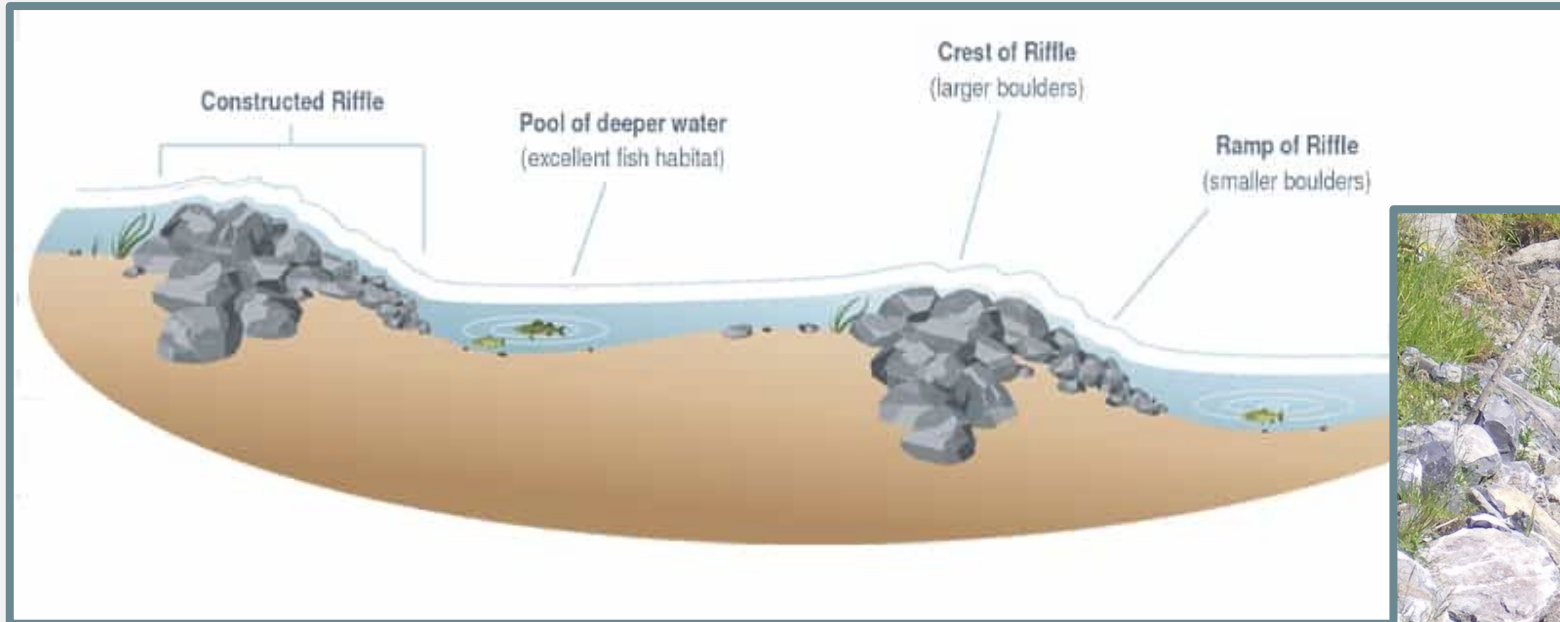
1. Install a lining in the culvert and lengthen it
2. Stabilize and armor headwall with stone



PROJECT SOLUTIONS

Bank Erosion

1. Create step pools and ledge-stone weirs to slow and direct water flow
2. Stabilize the banks with natural rock



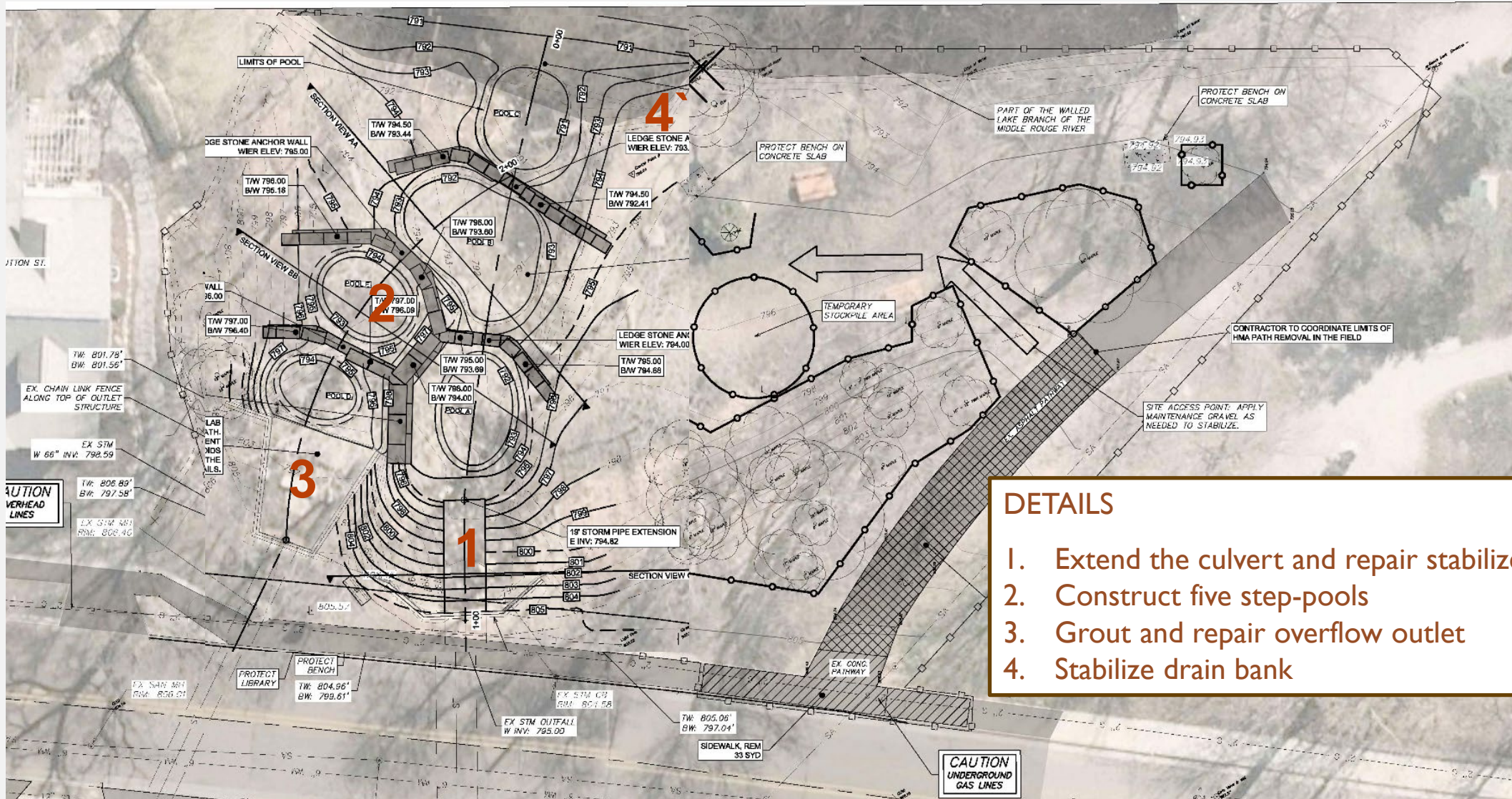
PROJECT SOLUTIONS

Outlet Undermining

1. Inject grout under the overflow structure to repair the undermined area
2. Stabilize the structure with bank treatment



PROPOSED



DETAILS

1. Extend the culvert and repair stabilize headwall
2. Construct five step-pools
3. Grout and repair overflow outlet
4. Stabilize drain bank

REMOVALS



DETAILS

1. Construction access via existing entrance walkway
2. Trees to be removed
3. Trees to be preserved

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