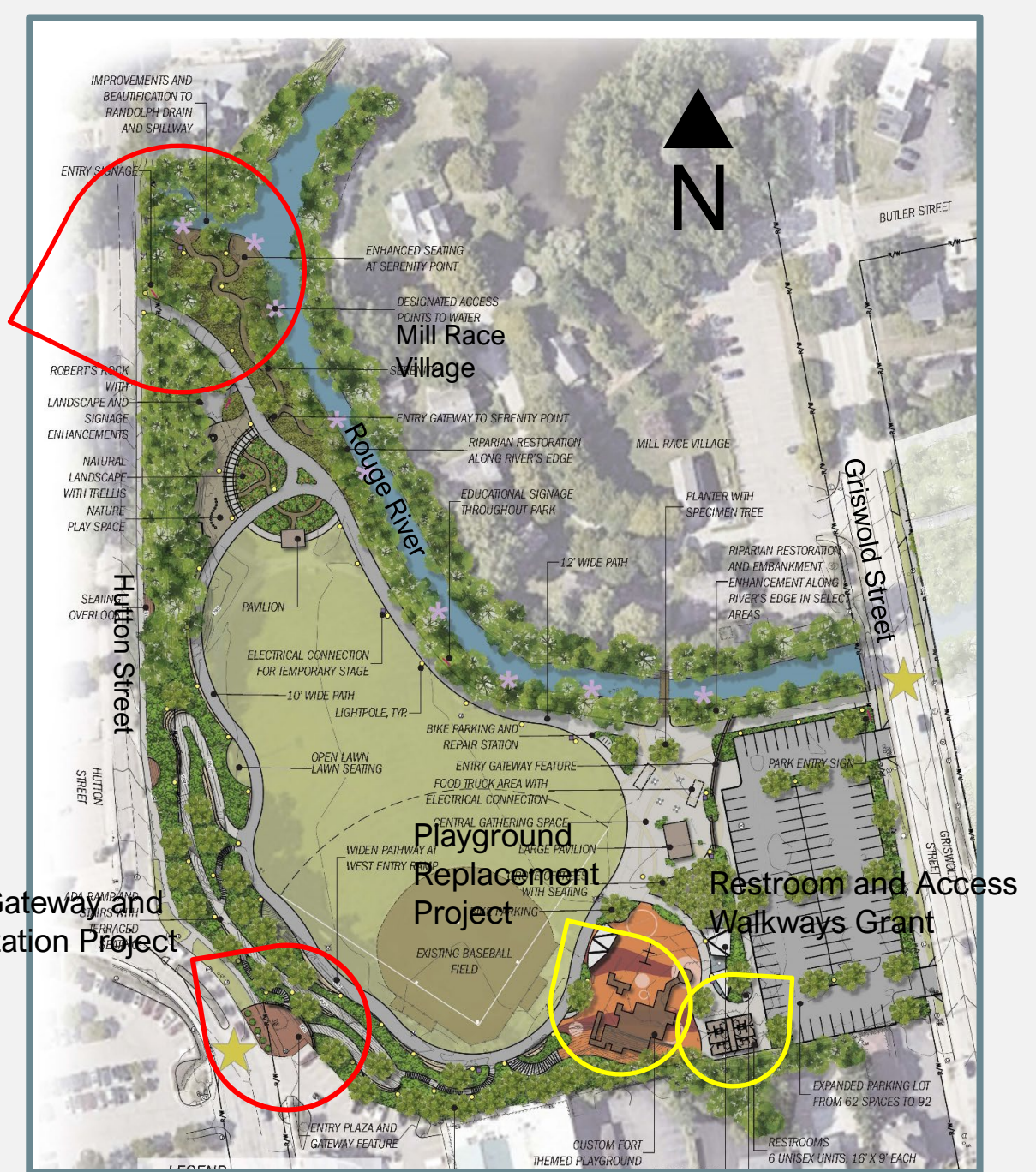


# FORD FIELD PARK WEST MASTER PLAN

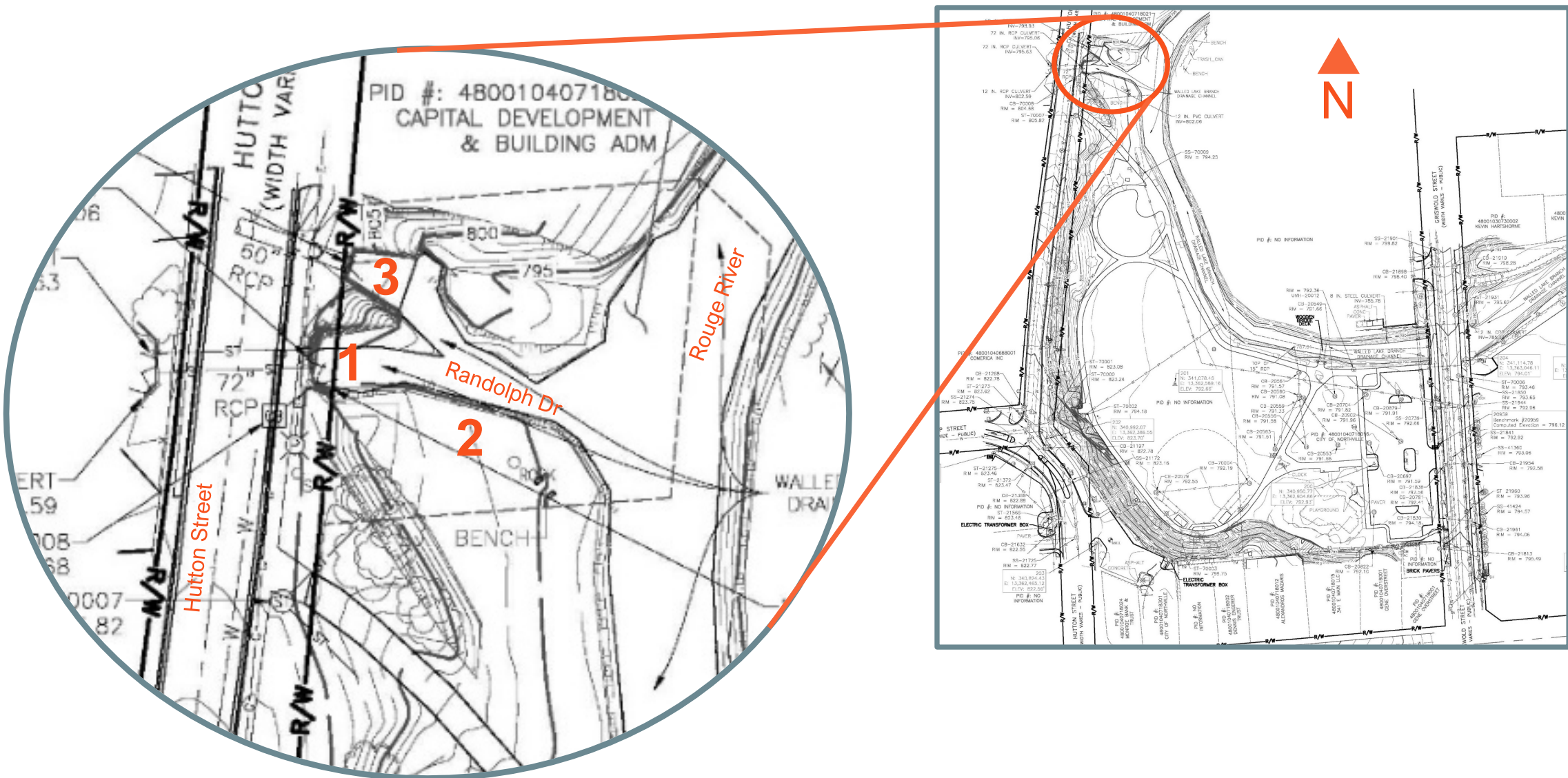
## Randolph Drain Serenity Point Project

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

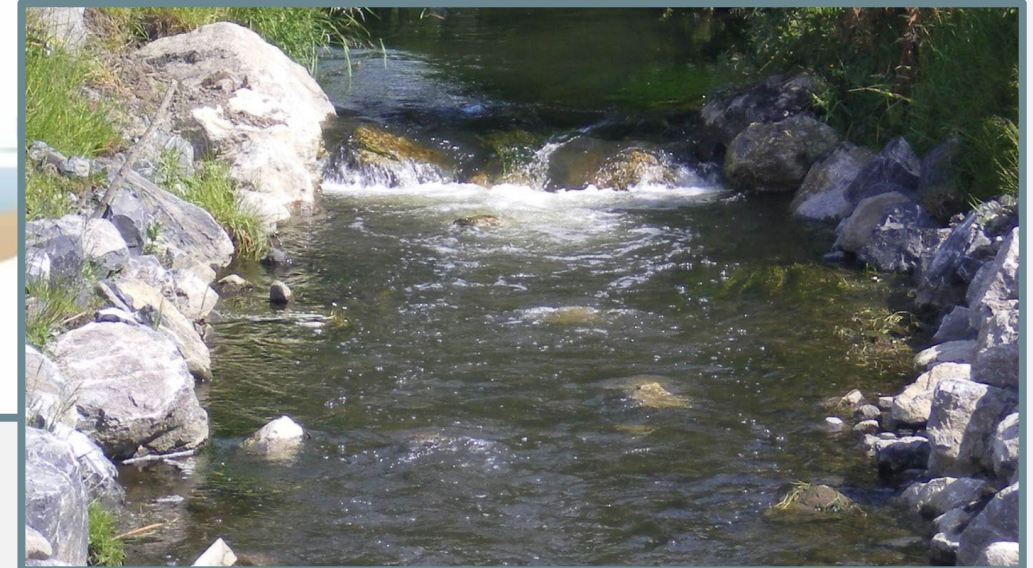
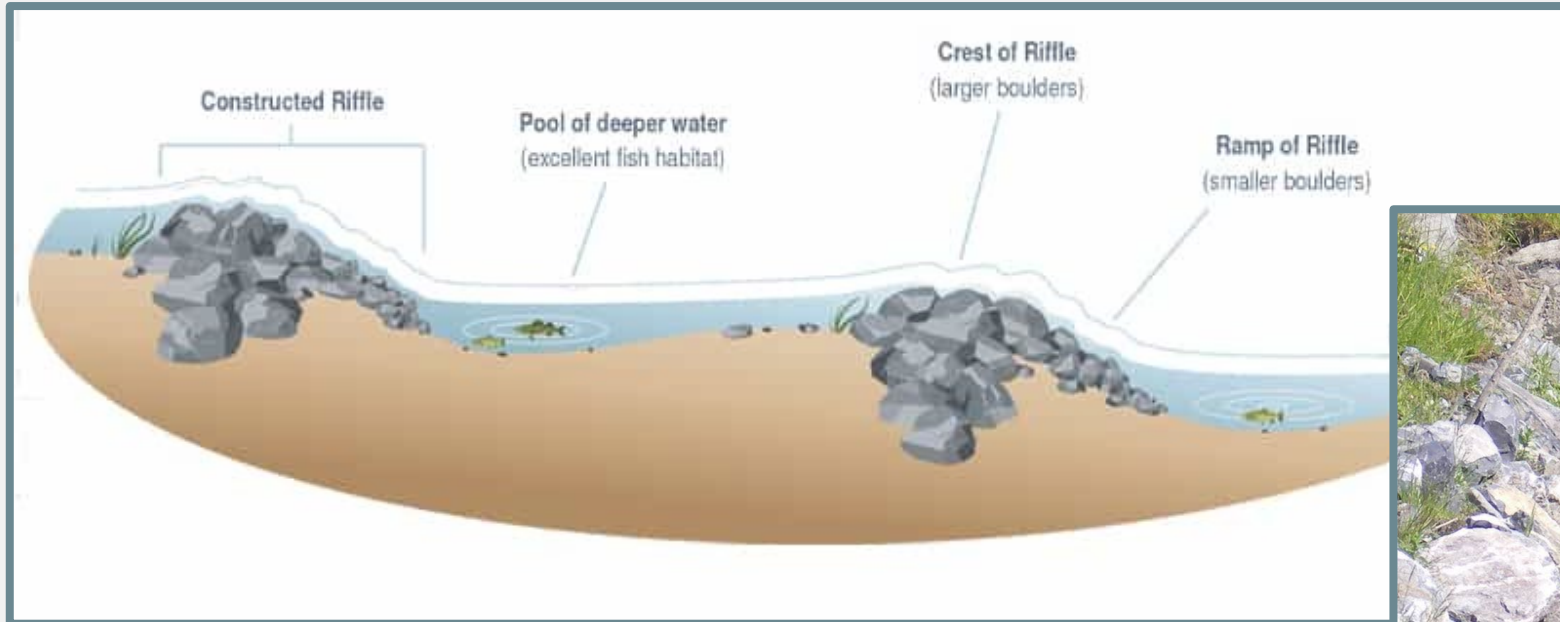
1. Install a lining in the culvert and lengthen it
2. Stabilize and armor headwall with stone



# 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

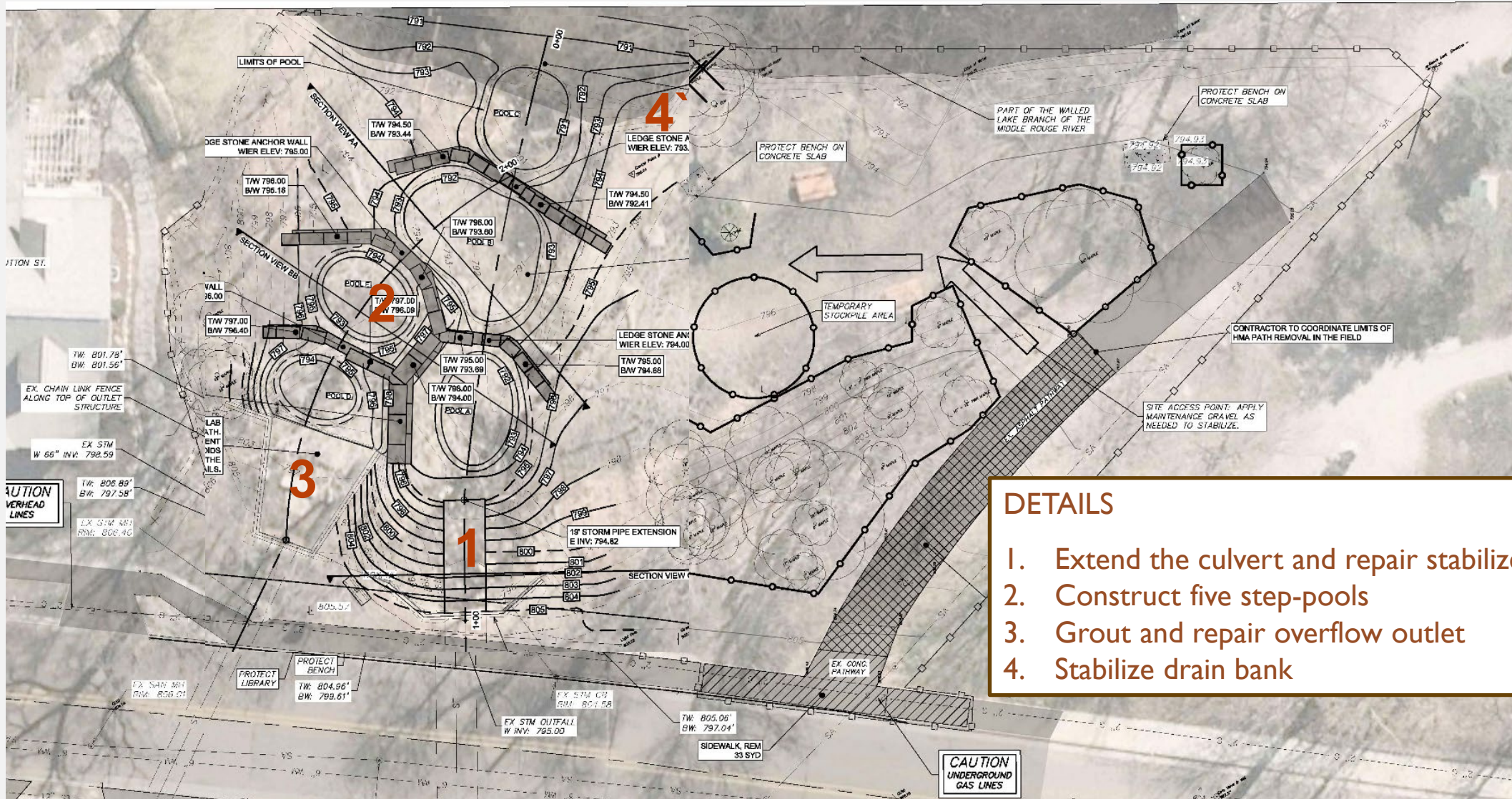
### Outlet Undermining

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





# PROPOSED

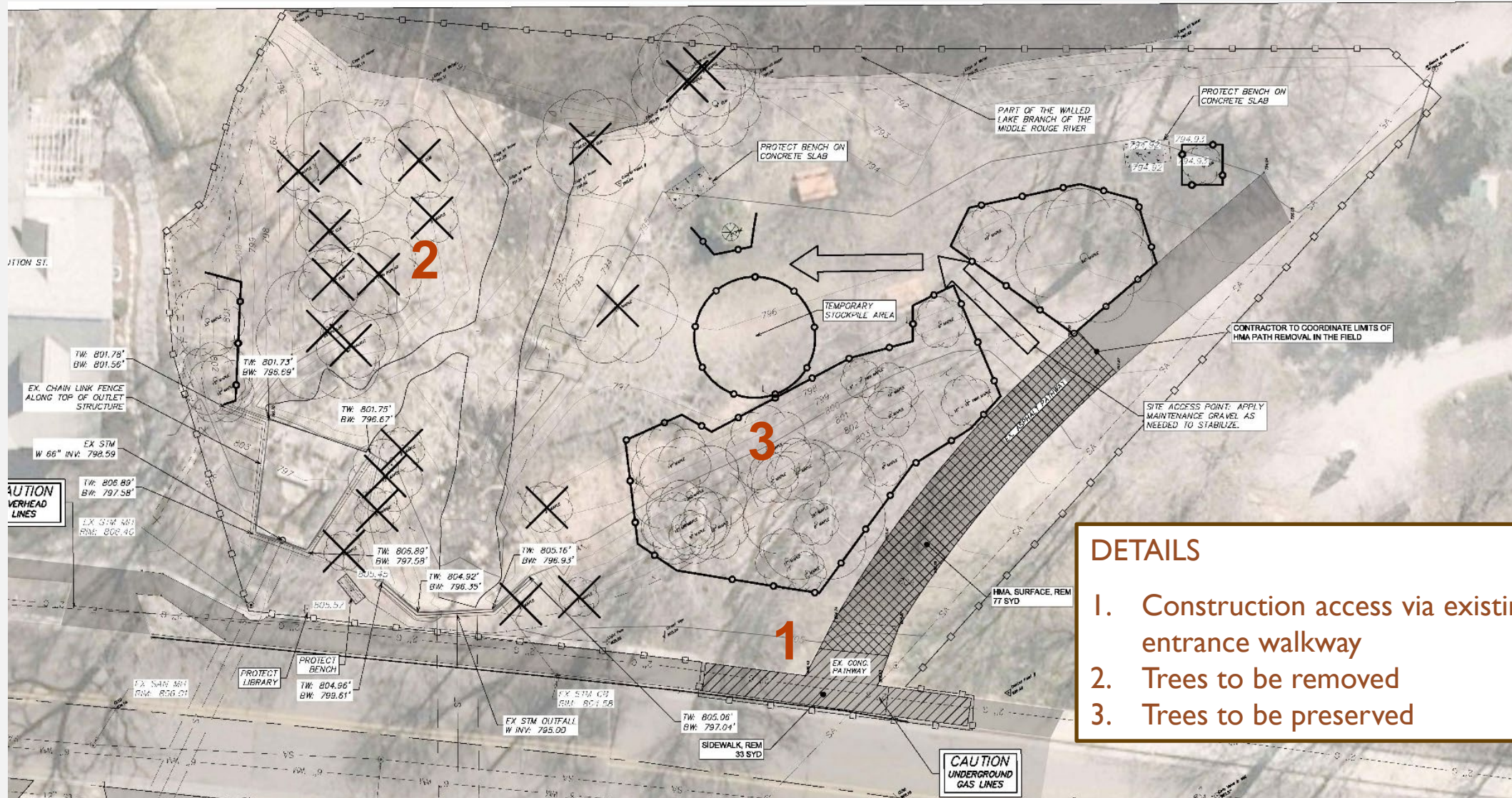


## DETAILS

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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2. Trees to be removed
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