

# FEASIBILITY STUDY (CURRENT PROJECT PHASE)

# NEXT STEPS & FUTURE POSSIBILITIES

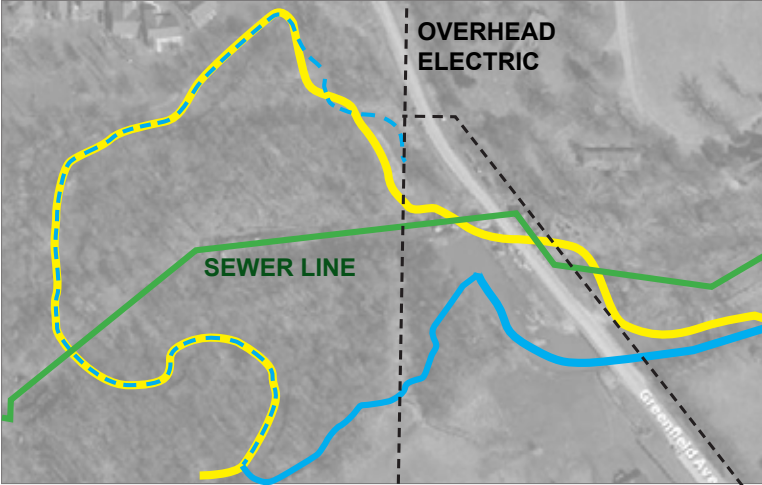


## STREAMBANK EROSION ANALYSIS & MACROINVERTEBRATE SAMPLING

BANK EROSION HAZARD INDEX (BEHI) ASSESSES RISK OF FUTURE EROSION ALONG THE CREEK

MACROINVERTEBRATE SAMPLING HELPS ANALYZE THE BIOTIC HEALTH OF STONEY CREEK

PRE- AND POST- CONSTRUCTION SAMPLING WILL ANALYZE THE EFFECTS OF ANY CHANNEL RE-CONNECTION, DAM REMOVAL OR MODIFICATION



## EARLY COORDINATION EFFORTS

EARLY CONSULTATION WITH UTILITIES AND CITY OFFICIALS HELPS DETERMINE FUTURE ACCESS NEEDS FOR THE SITE AND LIMITATIONS OF EXISTING INFRASTRUCTURE.

COMMUNICATION WITH PERMITTING AGENCIES AIDS IN OBTAINING CONSTRUCTION PERMITS, AND HELPS IDENTIFY PROJECT LIMITATIONS



## TOPOGRAPHIC SURVEY

FLATLAND RESOURCES WILL PROVIDE A LONGITUDINAL PROFILE BASED ON REAL WORLD ELEVATIONS

THIS DATA, ALONG WITH SAMPLING AND BEHI ANALYSIS WILL AID IN SELECTING PROJECT SITES

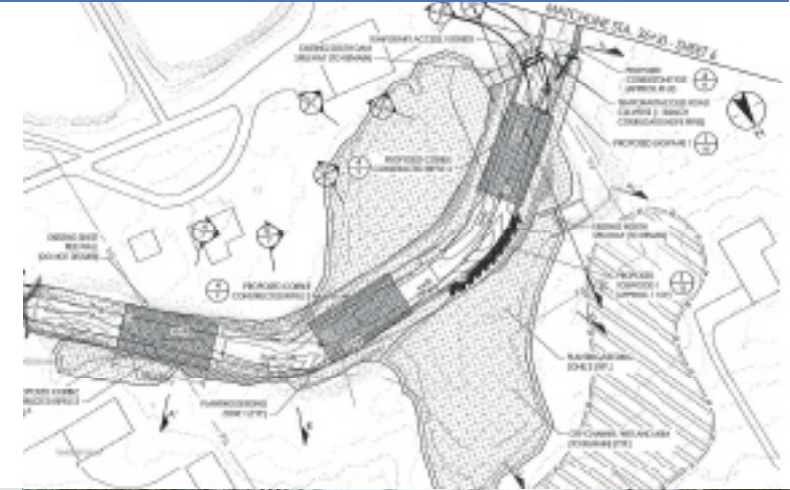
PRE- AND POST- LONGITUDINAL PROFILES WILL HELP ANALYZE THE EFFECTS OF CHANNEL RE-CONNECTION, DAM MODIFICATION OR REMOVAL.

## CONSTRUCTION DOCUMENTATION & PERMITTING

SCHEMATIC DESIGN (60% CD'S) REQUIRED TO OBTAIN PERMITS FOR CONSTRUCTION

DNR, IDEM, ACOE PERMITS REQUIRED

ANY PROJECT LIKELY TO REQUIRE A WETLAND DELINEATION



## CONSTRUCTION & IMPLEMENTATION

BANK STABILIZATION & RESTORATION:

VEGETATED GEOLIFTS

IN-STREAM STRUCTURES (LOG-VANE)



## DAM REMOVAL OR MODIFICATION

TYPICALLY, LOW-HEAD DAMS:  
CAUSE EROSION DOWNSTREAM  
CAUSE LOGJAMS UPSTREAM  
PREVENT FISH PASSAGE & MIGRATION  
DECREASE BIODIVERSITY  
REQUIRE CONTINUOUS INVESTMENT

