

Project Site

MAUR...

130 719

Cem

Sewage Disposal

Falls

Gravel Pit

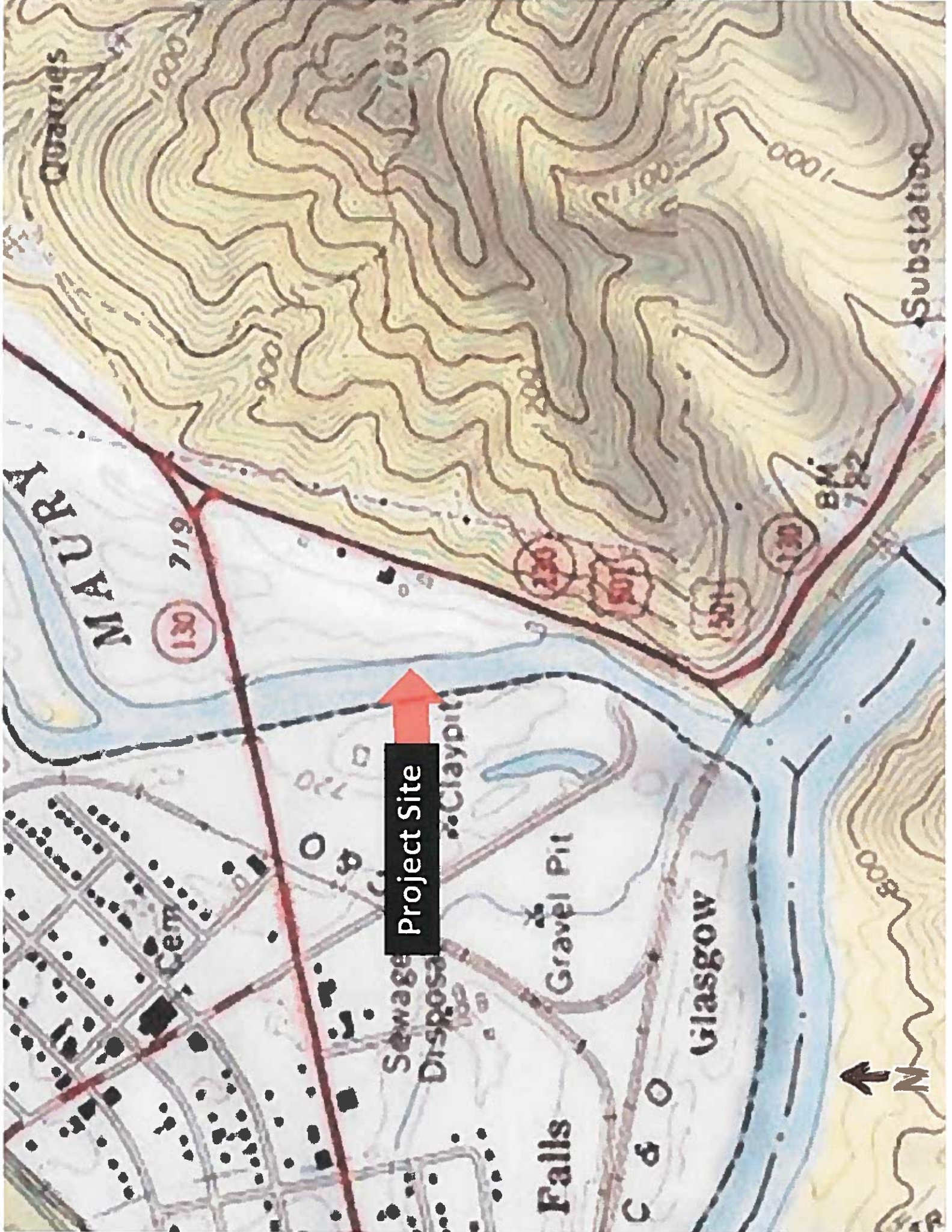
C & O Glasgow

Claypit

Quarries

Substation

North Arrow



**Maury River at Echols Farms
Stream Restoration II
Plan view concept**

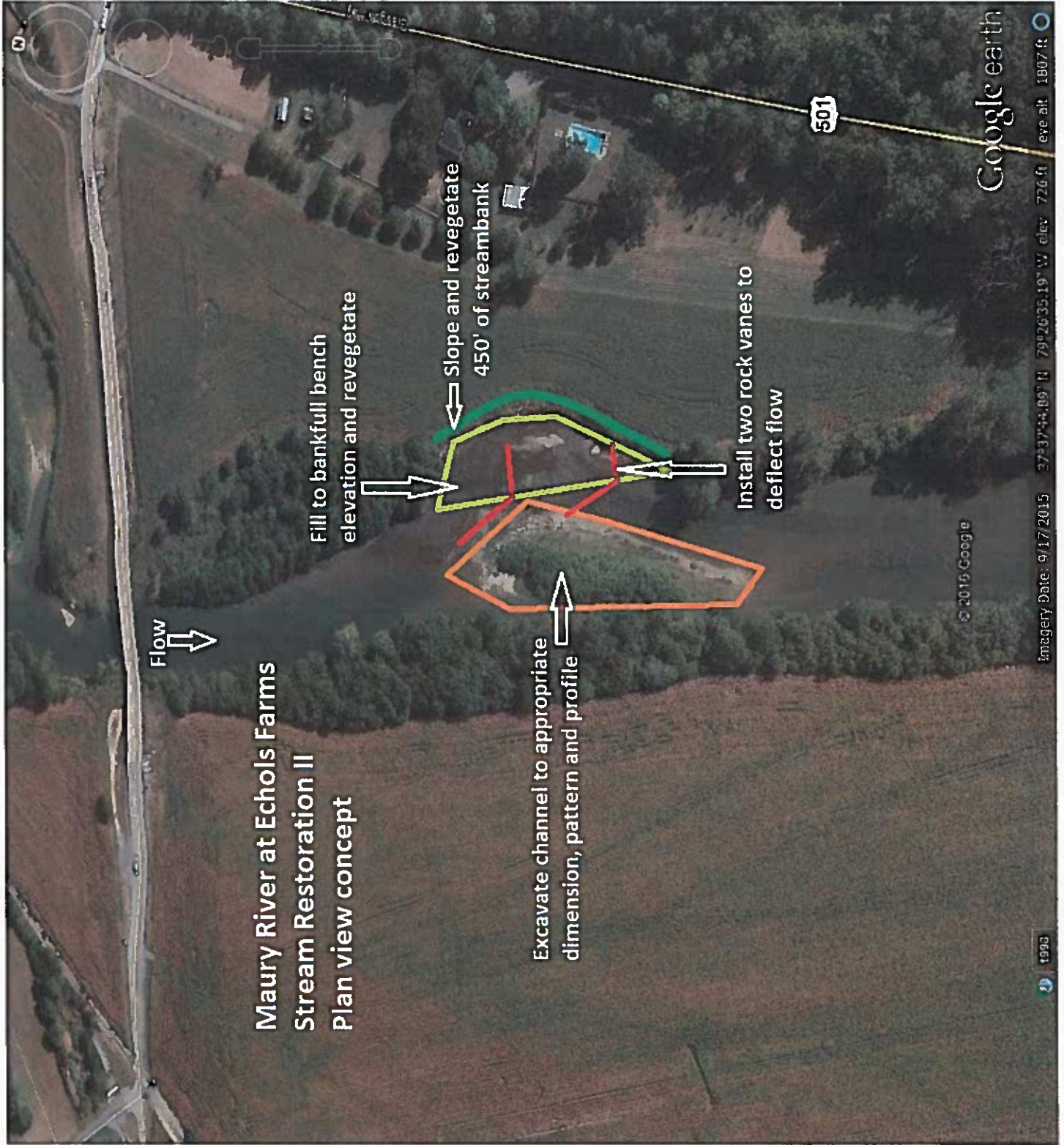
Flow
↓

Fill to bankfull bench
elevation and revegetate

Slope and revegetate
450' of streambank

Install two rock vanes to
deflect flow

Excavate channel to appropriate
dimension, pattern and profile



RTE 130 BRIDGE

FLOW
↓

PROPOSED
STREAM BANK
STABILIZATION
MAURY RIVER
ECHOLS FARMS
2016 (UDGIF)

PLAN VIEW

EXISTING
&
PROPOSED
OHW

INSTALL 2 ROCK
VANES TO DEFLECT
FLOW &
PROTECT BANK

EXISTING
OHW
PROPOSED OHW

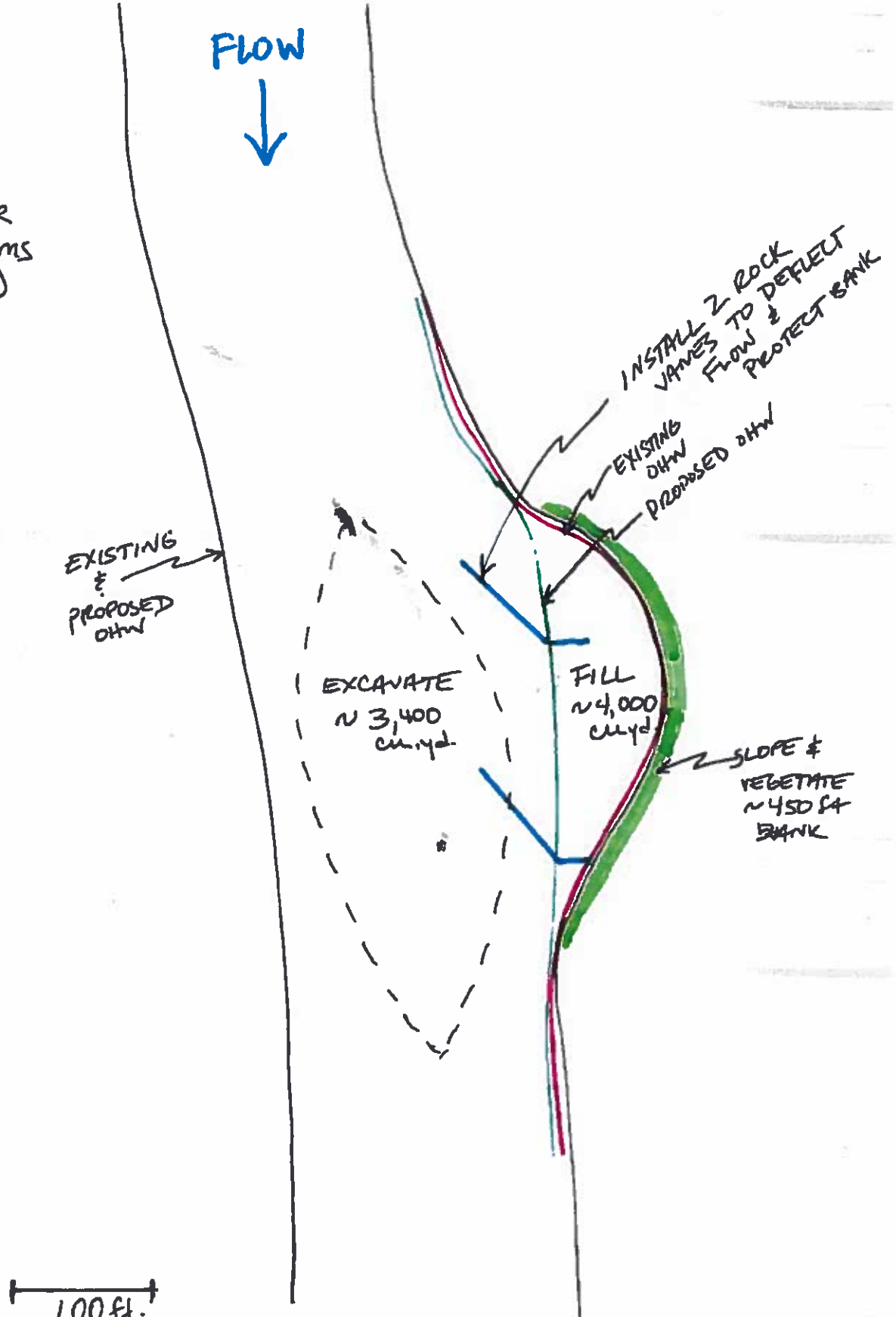
EXCAVATE
~ 3,400
cu yd.

FILL
~ 4,000
cu yd.

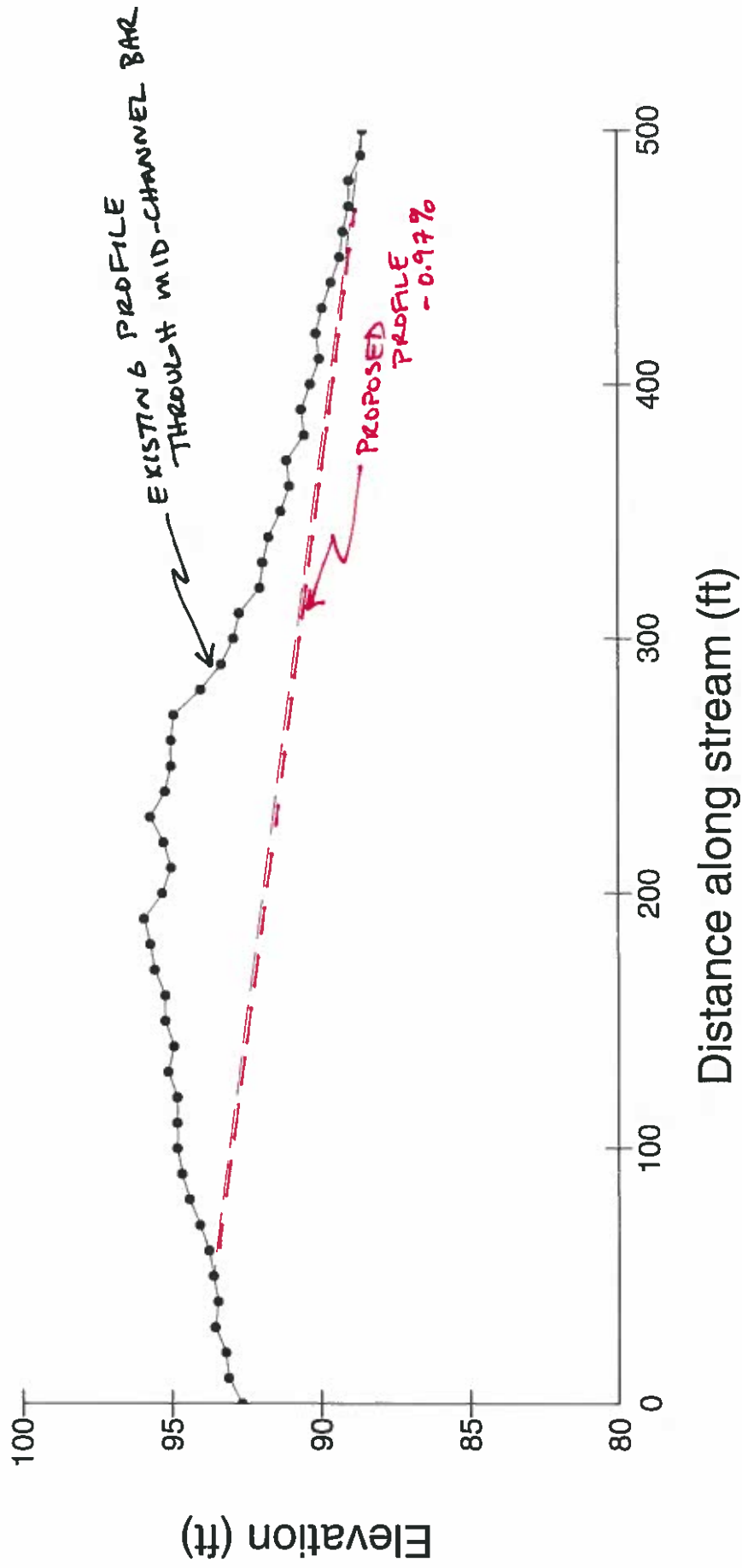
SLOPE &
VEGETATE
~ 450 FT
BANK



100 ft.



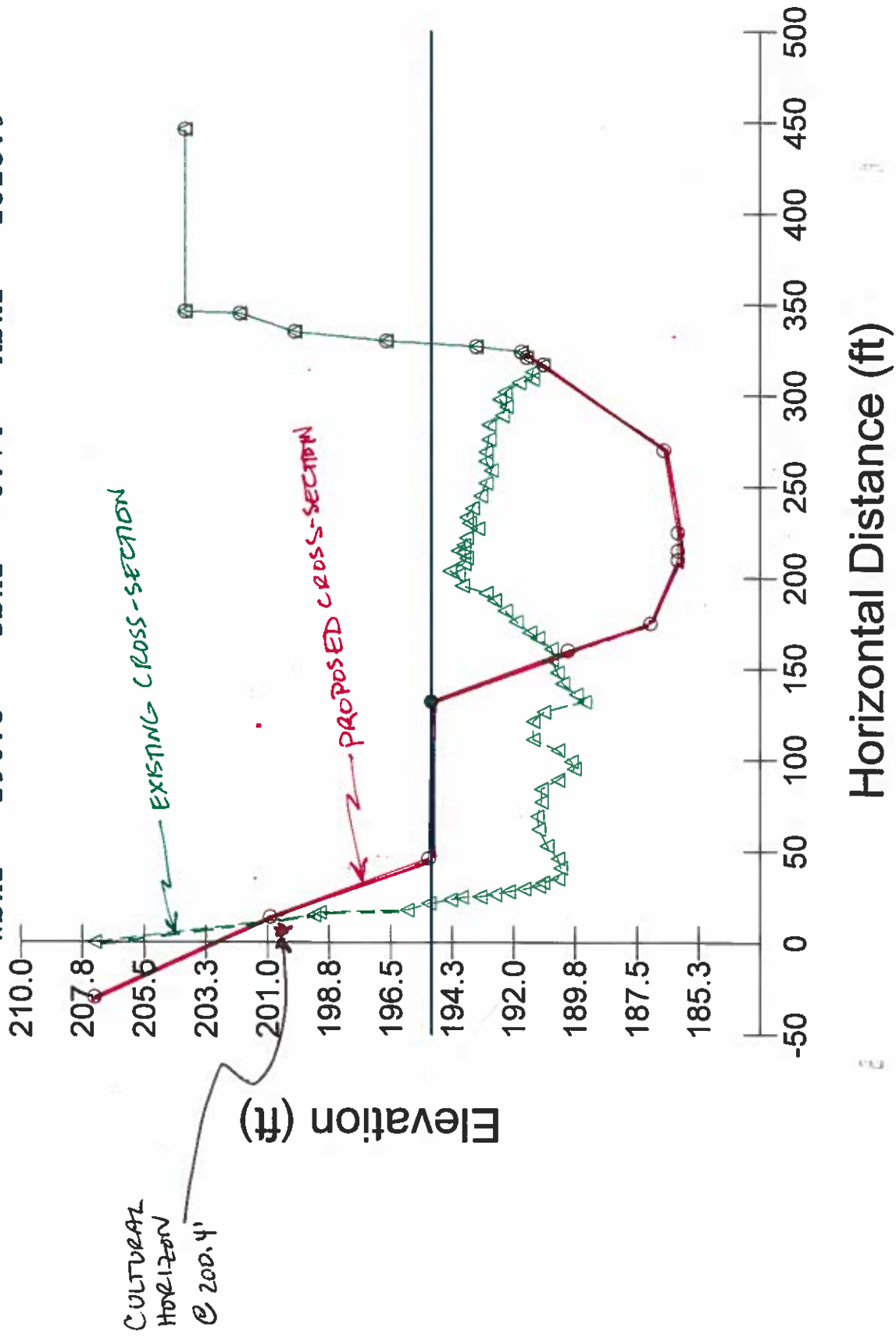
Maury longitudinal profile through existing mid-channel bar and proposed thalweg



Maury Proposed Rifle Cross-section

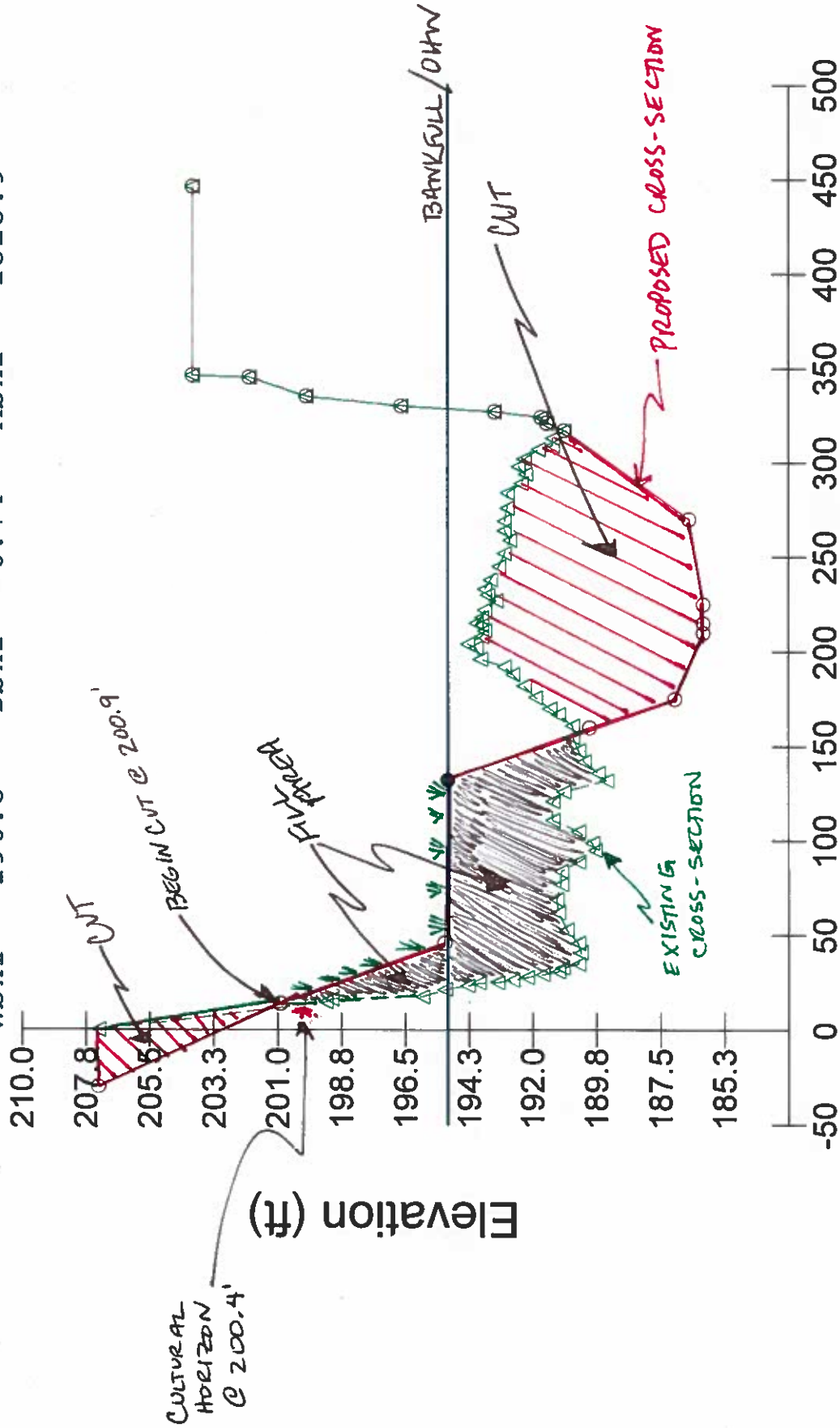
○ Proposed Cross-section Bankfull Indicators Water Surface Points Impaired section

Wbkf = 196.5 Dbkf = 6.74 Abkf = 1323.9



Maury Proposed Riffle Cross-section

○ Proposed Cross-section Bankfull Indicators Water Surface Points Impaired section
 Wbkf = 196.5 Dbkf = 6.74 Abkf = 1323.9

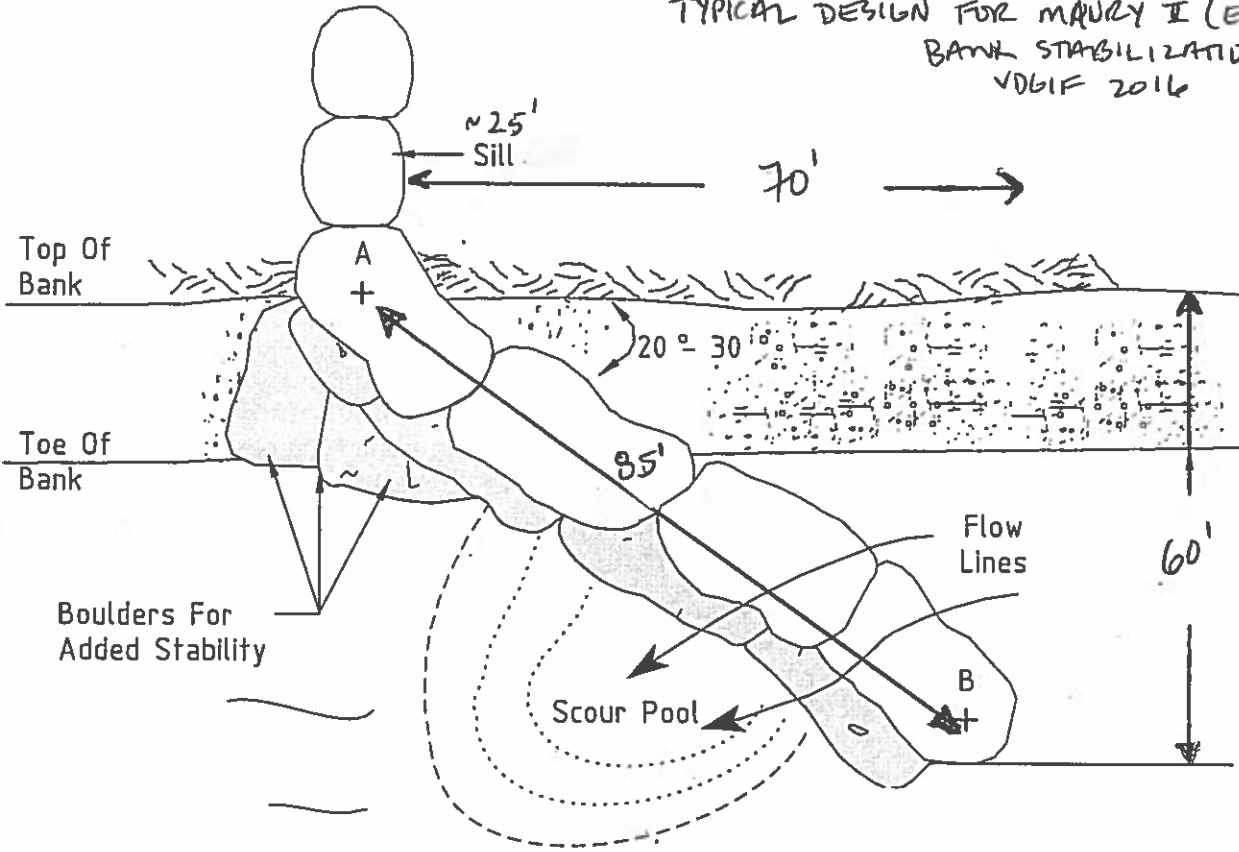


Horizontal Distance (ft)

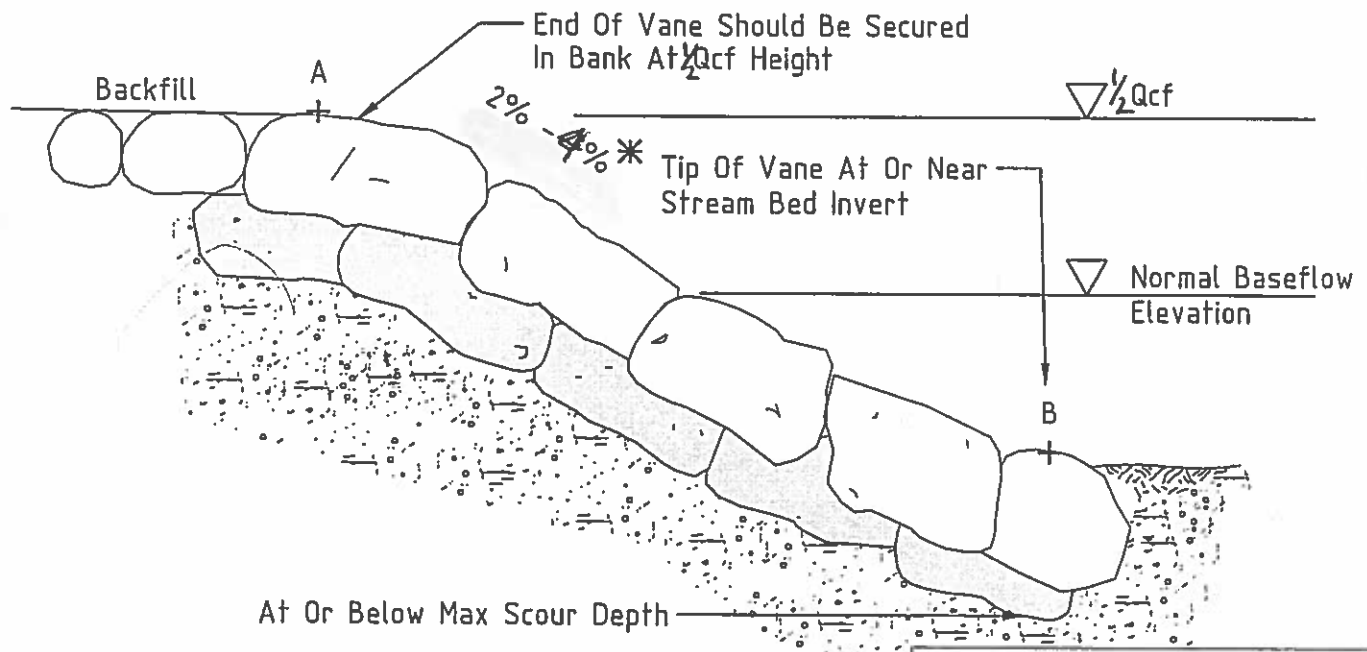
The Virginia Stream Restoration & Stabilization Best Management Practices Guide

DETAIL 4.1: ROCK VANES

TYPICAL DESIGN FOR MAURY II (ECHOLS)
BANK STABILIZATION
VDGIF 2016



PLAN



PROFILE

Section & Plan Views Adapted From Rosgen (2001)