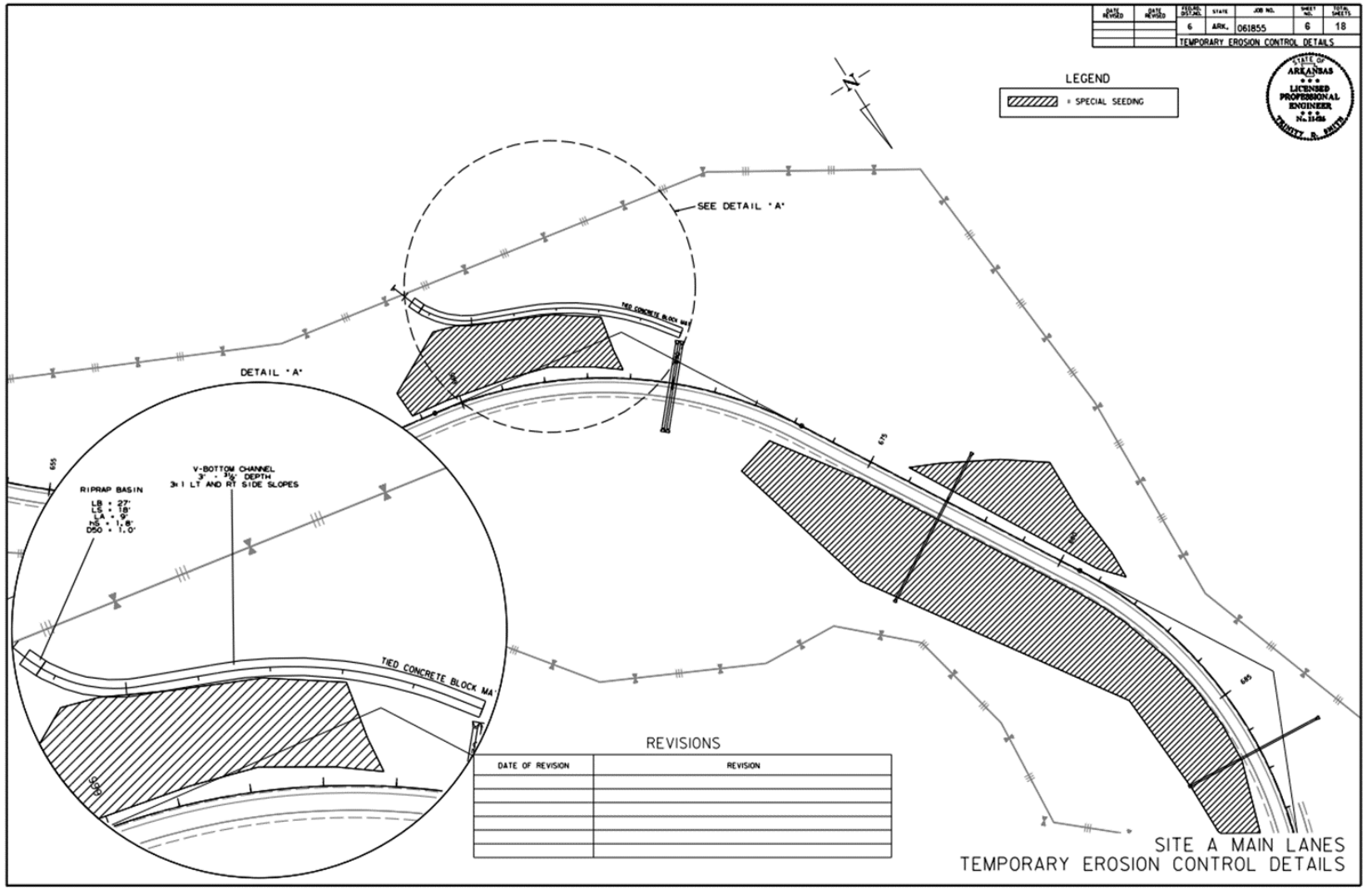
# HWY. 5 EROSION REPAIR

JOB 061855

ARDOT RE 64

N




# LOCATION OF REVISIONS AT SITE A

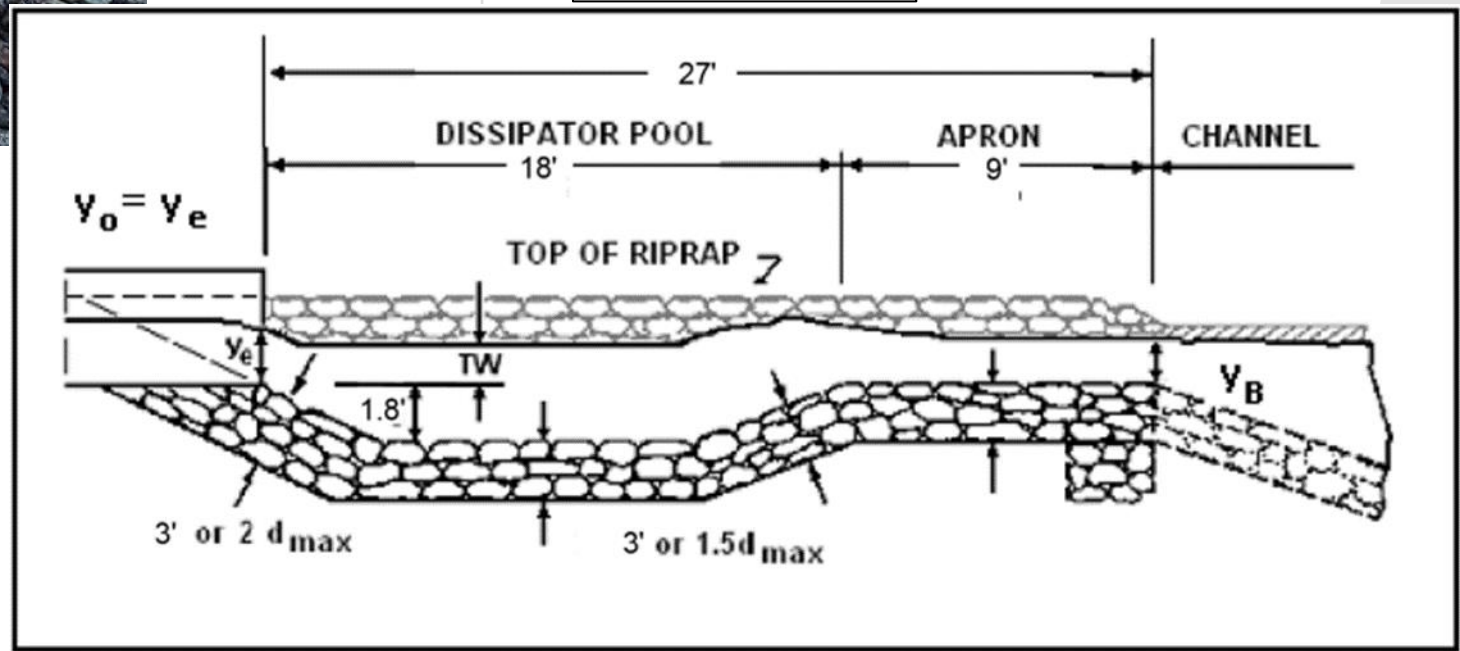
# Site A

- Stabilize embankment to prevent further material loss
- Line channel with tied concrete block mat
- Install riprap basin for velocity dissipation
- Use special seeding to stabilize slopes and minimize erosion

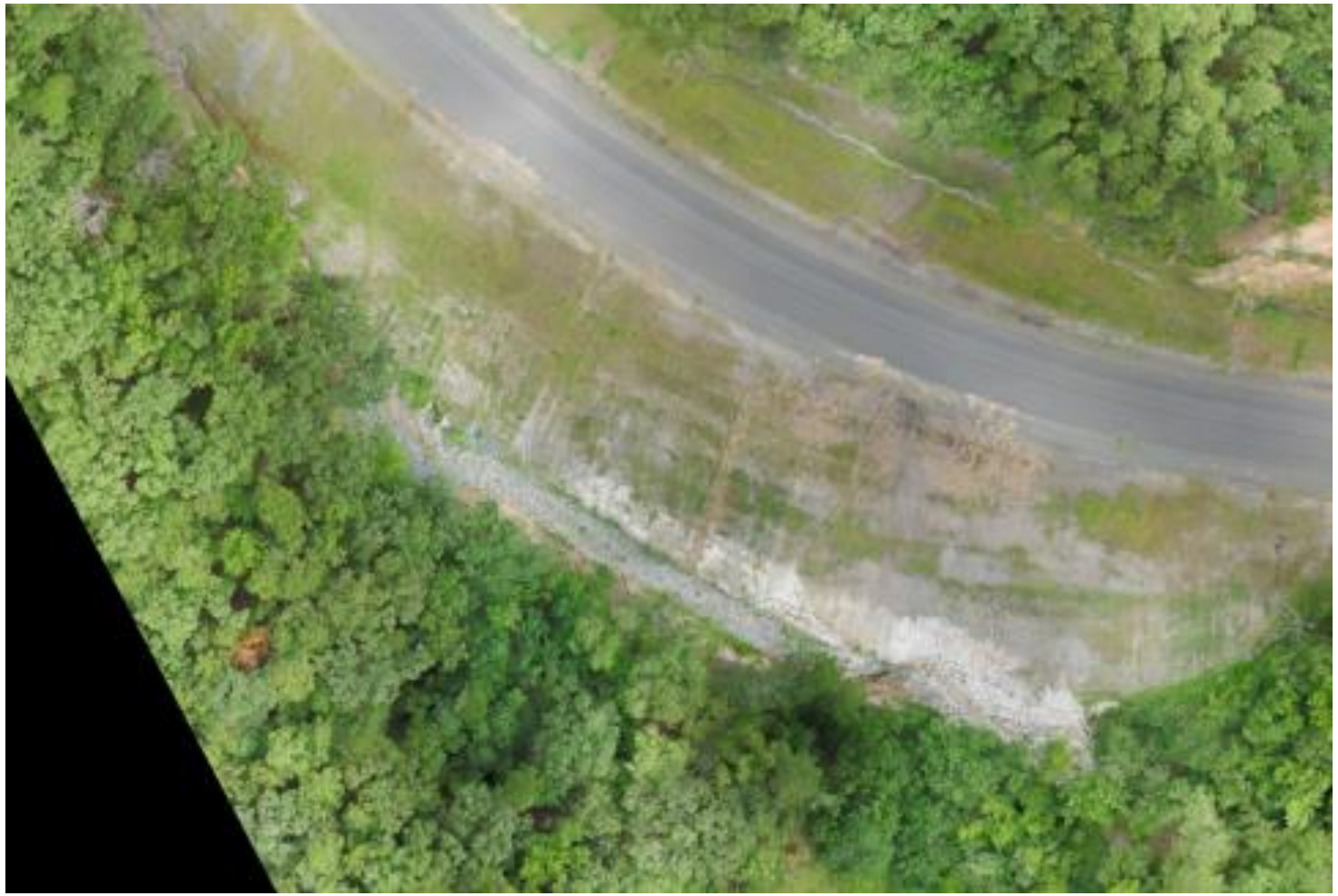
# Riprap Basin
## Sta. 664+67 – 664+95

Location photo

Special Detail

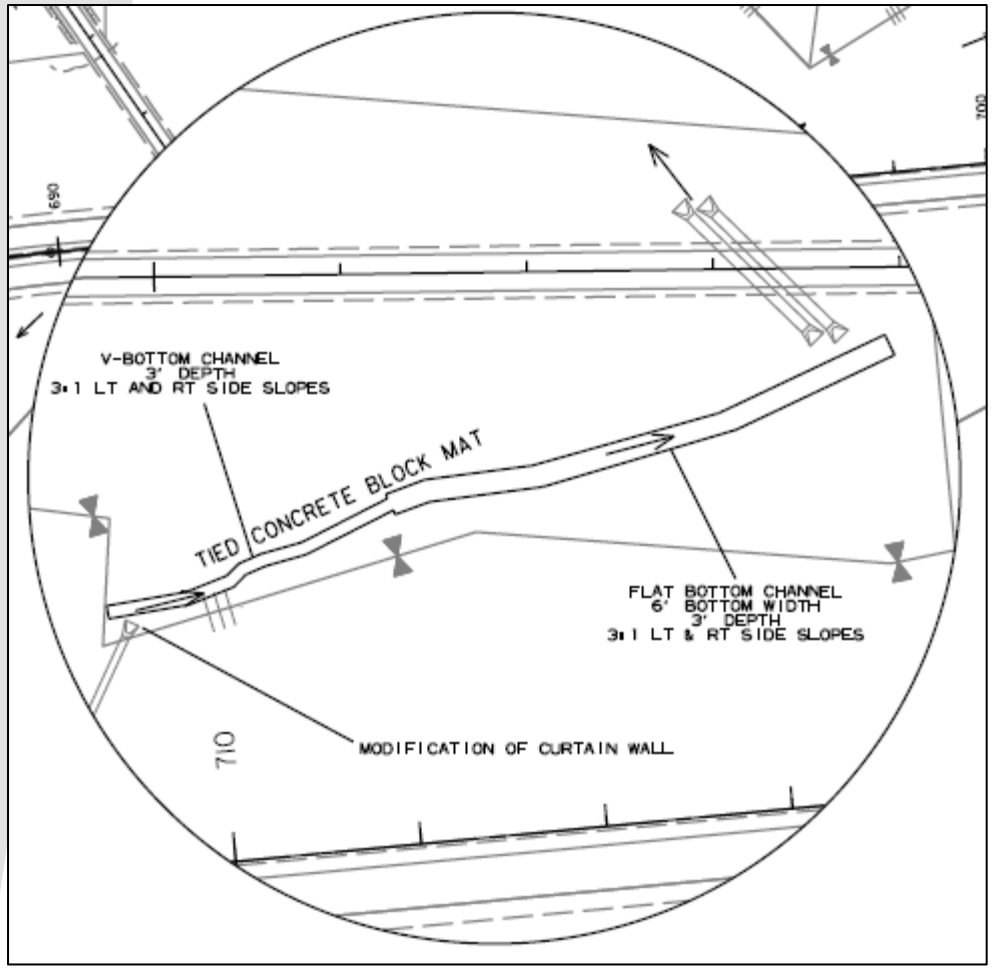


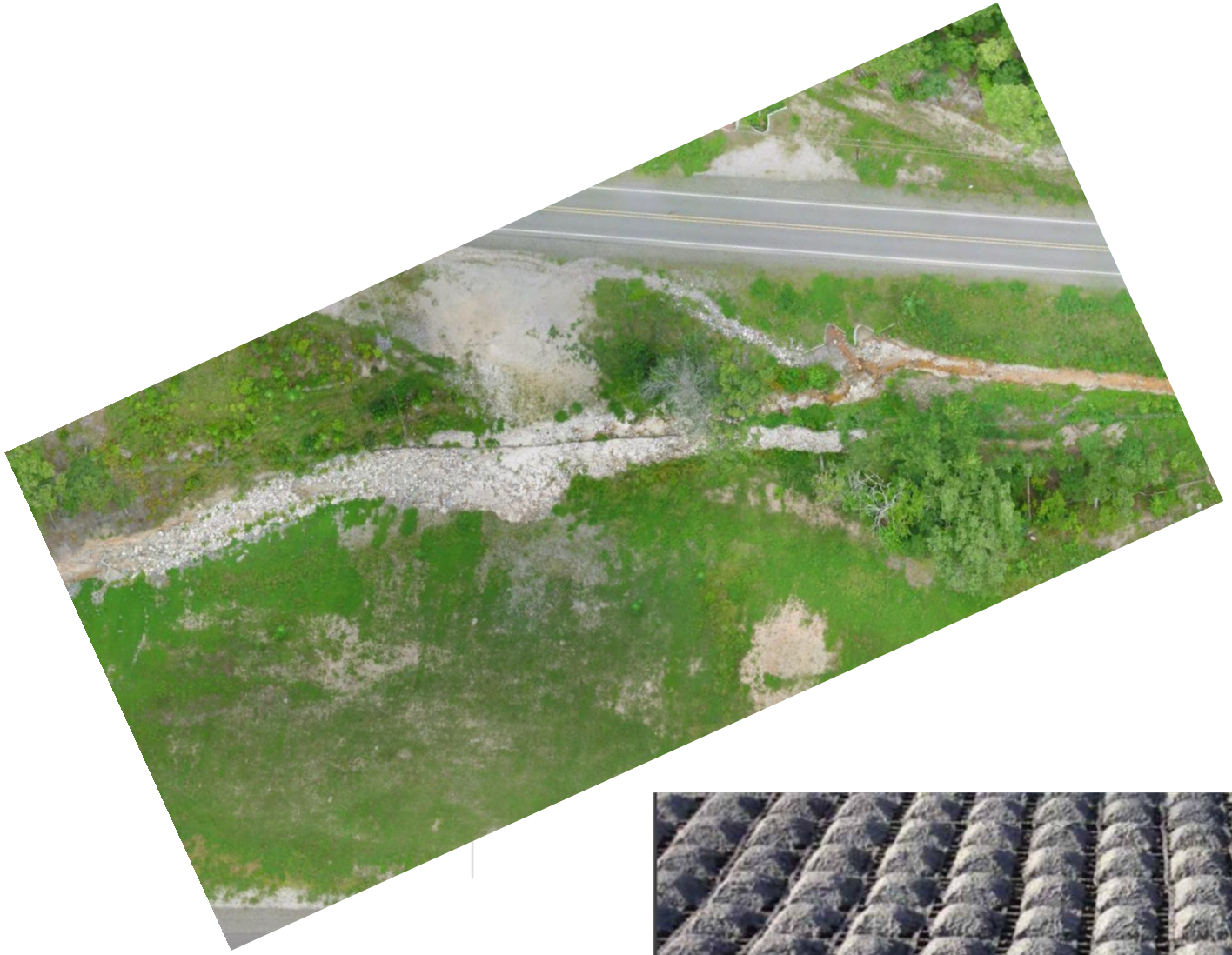
# Tied Concrete Block Mat
# Station 664+79-670+00 left




# Access to Site A

Construct temporary work road east of the site.





# LOCATION OF REVISIONS AT SITE B (STATION 709-714 LEFT)

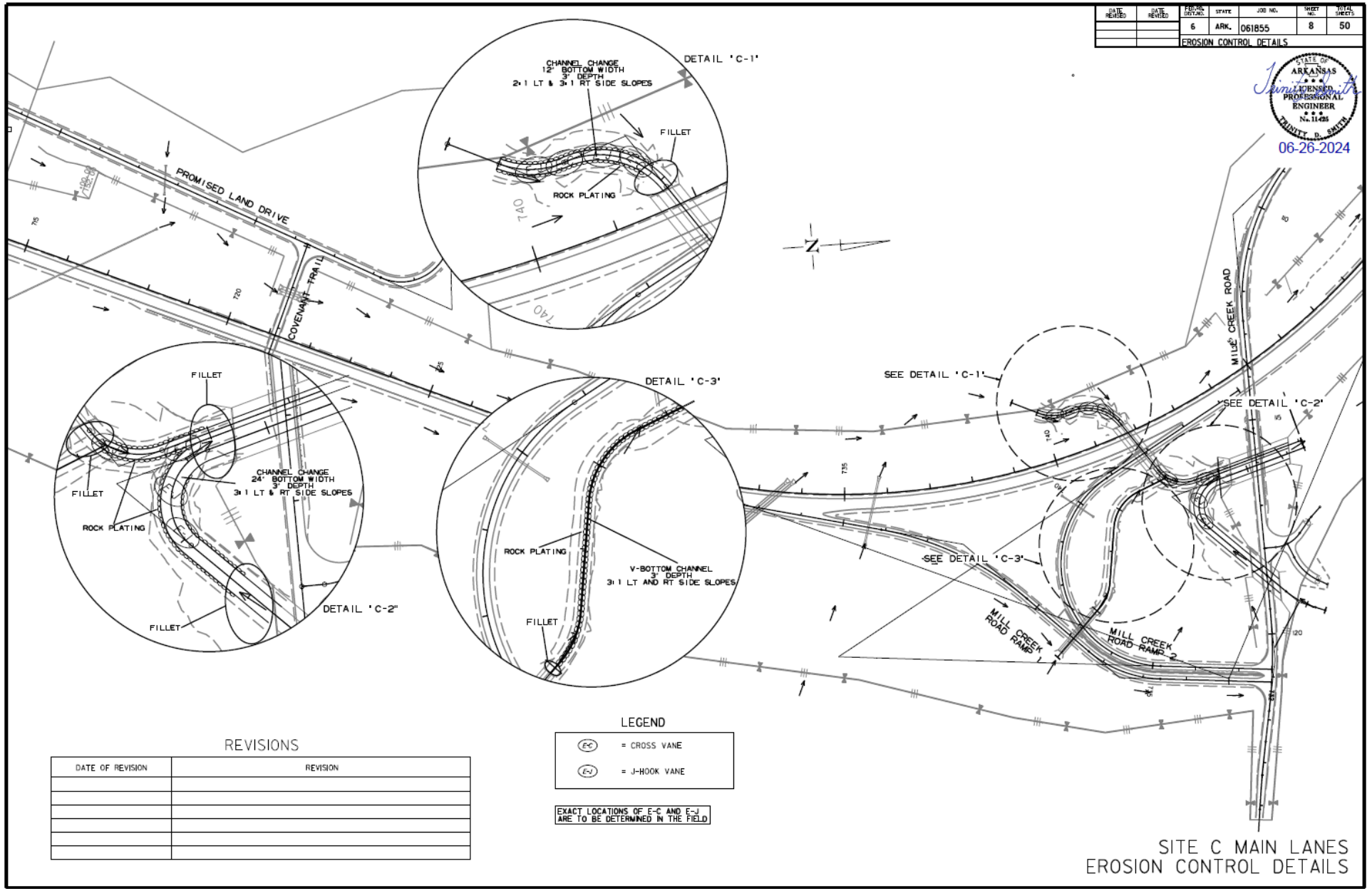
# Site B

- Curtain wall modification to remove an obstruction in the channel and maintain flow
- Tied Concrete Block Mat installed to line the channel
- Fence to be removed and replaced in a location that will not block the channel

# Access to Site B

Enter ROW northeast end of Covenant overpass and through existing gate.

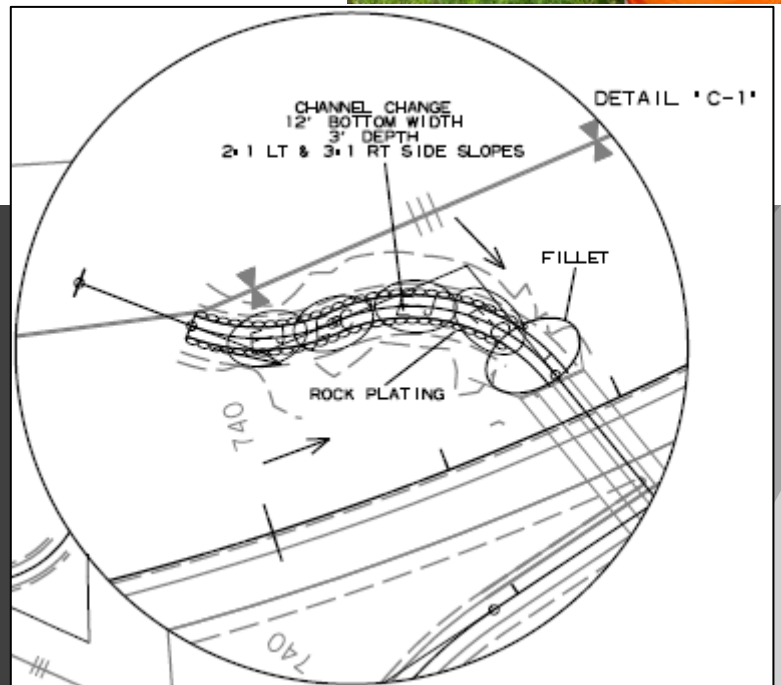

# LOCATION OF REVISIONS AT SITE C




# LOCATION OF REVISIONS AT SITE C (STATION 741+00-742+00 LEFT AND RIGHT)

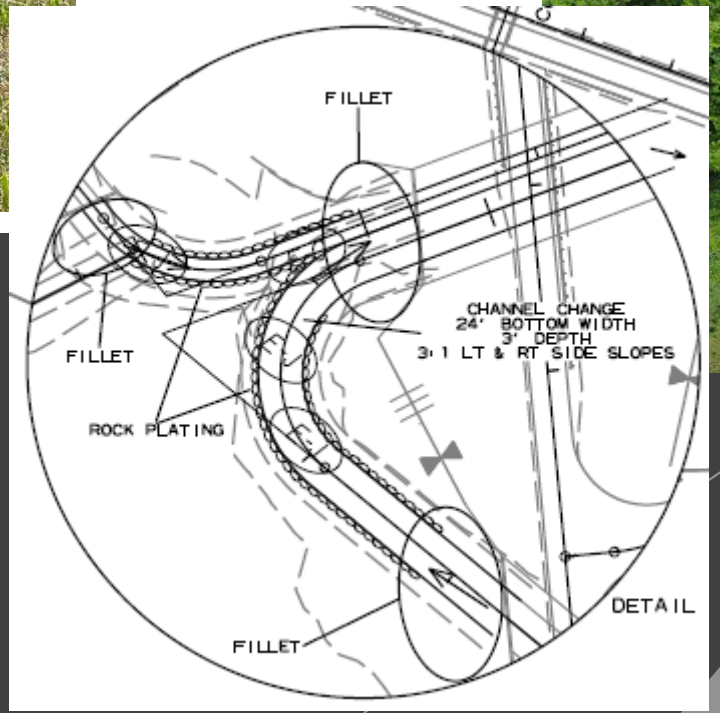
# Site C-1

- Eroded winged wall subgrade to be flow filled
- Channel change to redirect water into barrel
- Fillets on box
- Instream structures and rock plating



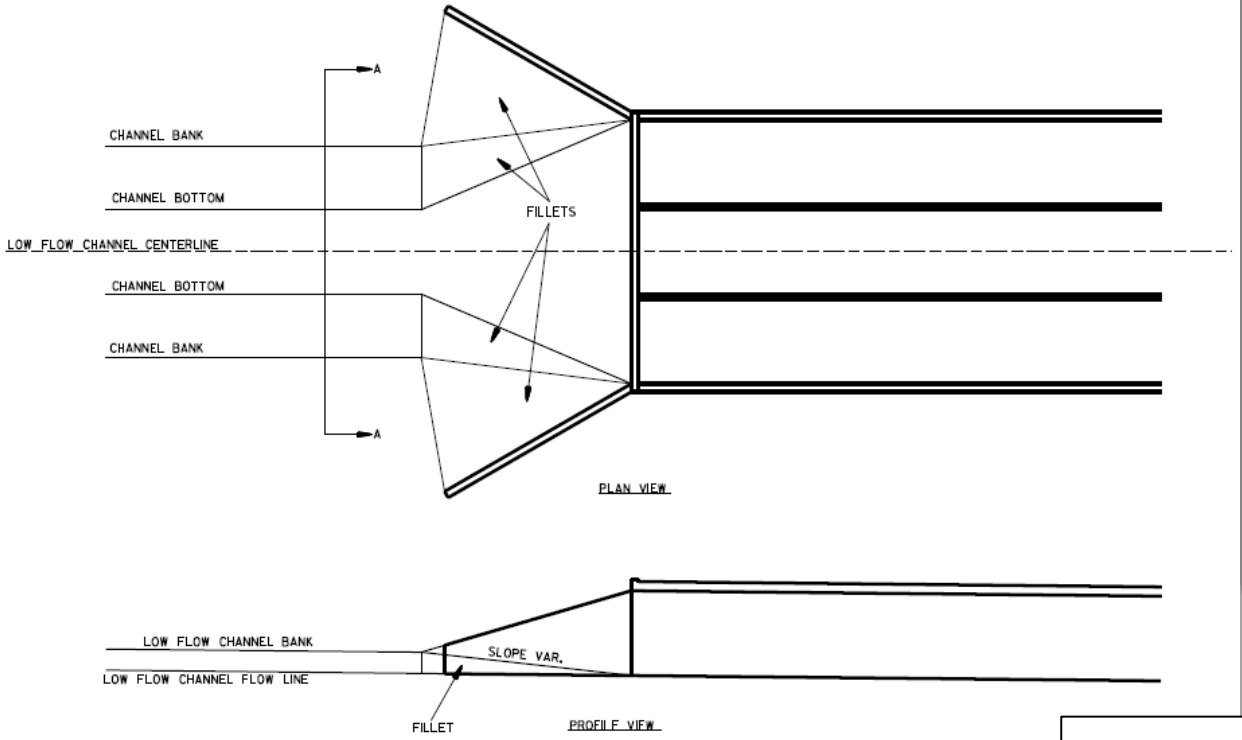
# Site C-2

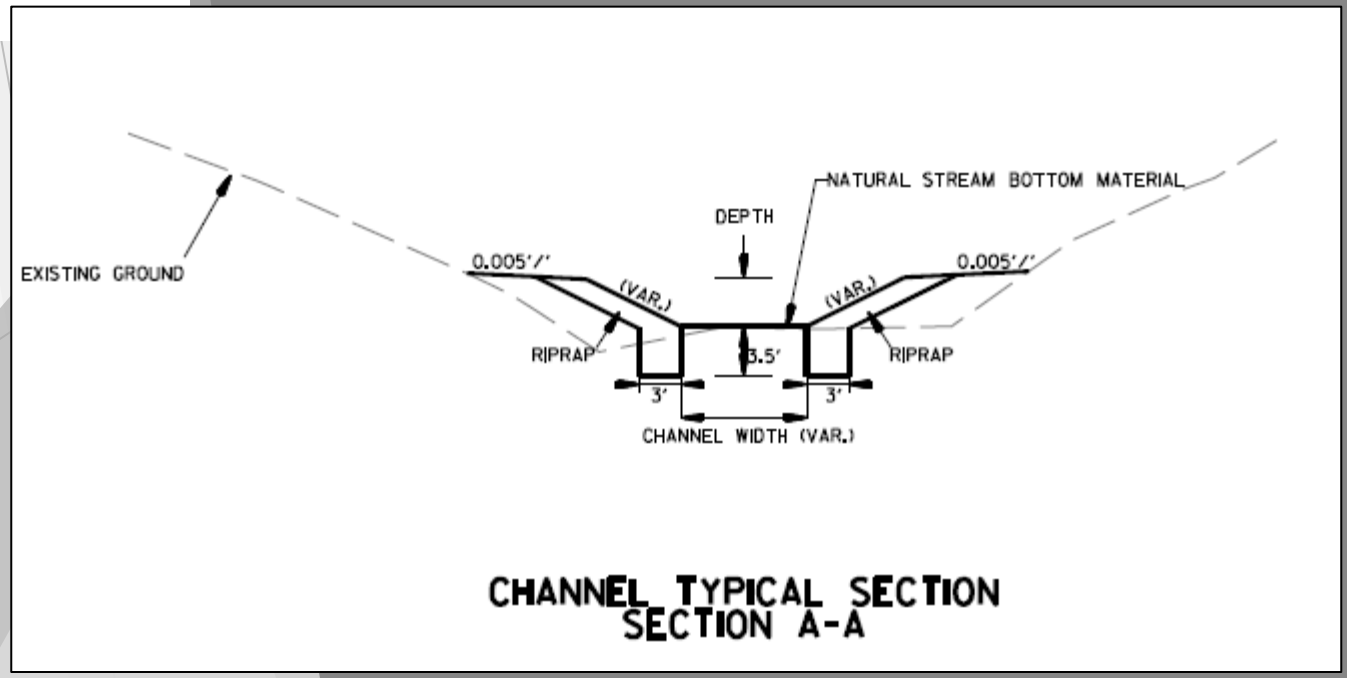
- Fillets on box culverts
- Channel modification
- Instream structures
- Rock plating



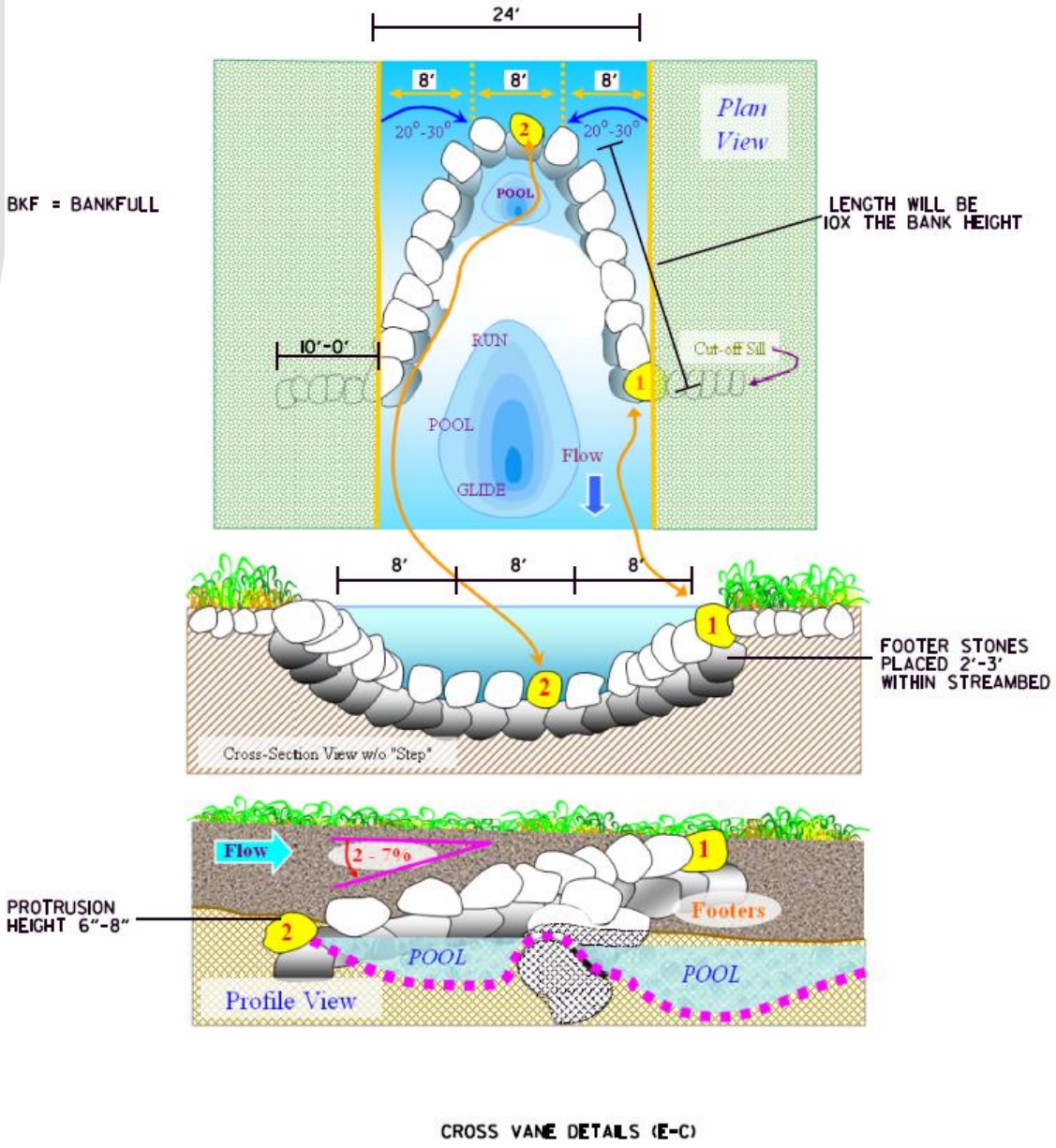
# Fillet

- Directs normal stream flow to specific barrel of box
- All boxes utilized in storm flows



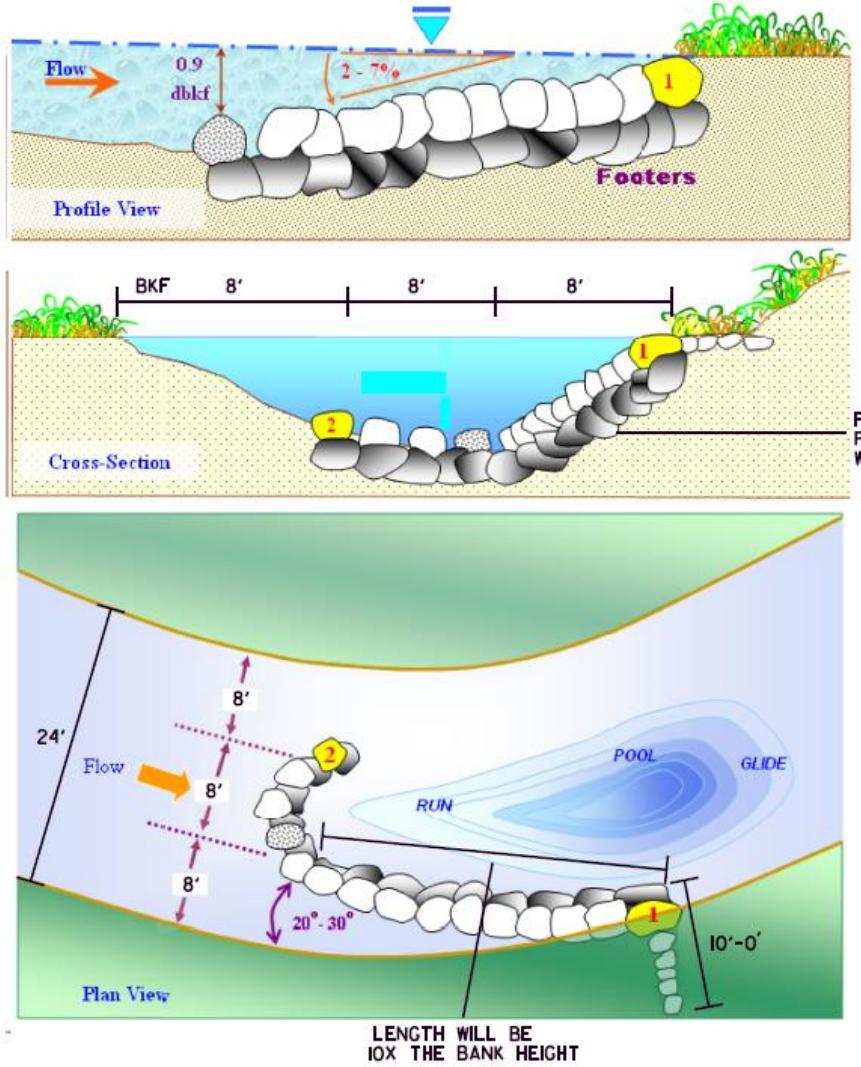



# Instream structures: Cross Vane

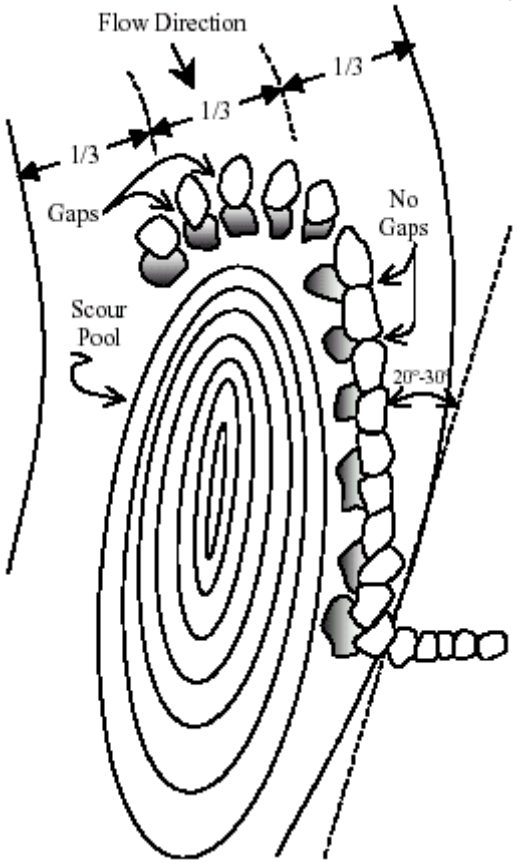


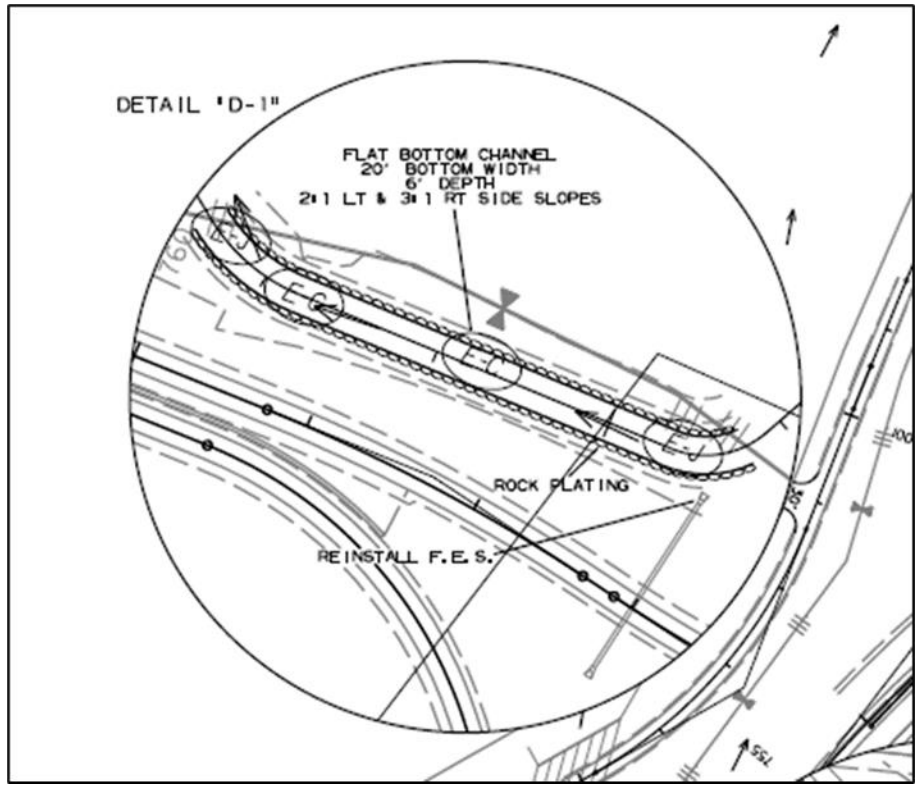

CROSS VANE DETAILS (E-C)

# Instream structures: J Hook Vane



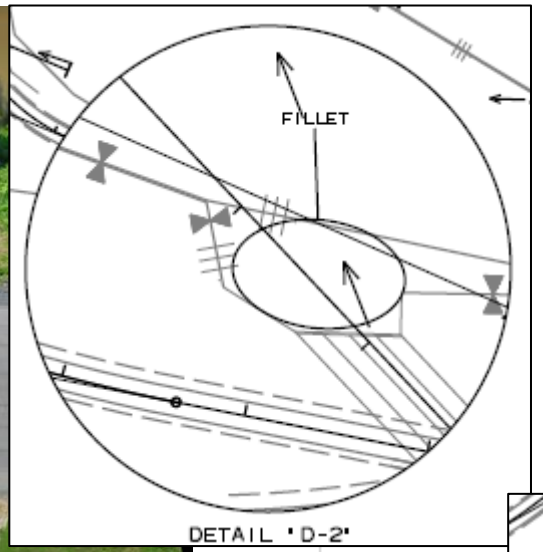

J HOOK VANE DETAILS (E-J)

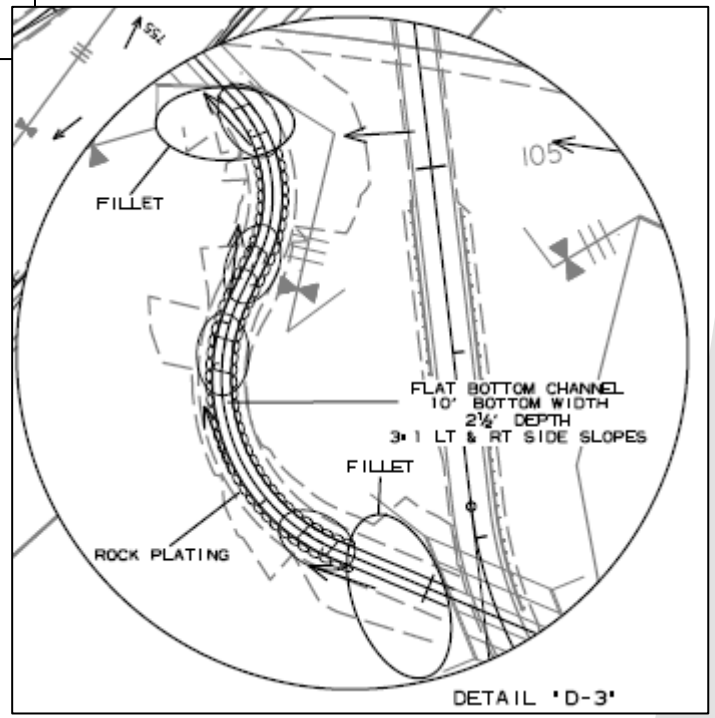



# Site D-1 Ramp 3

- Instream structures
- Riprap
- Re-install flared end section



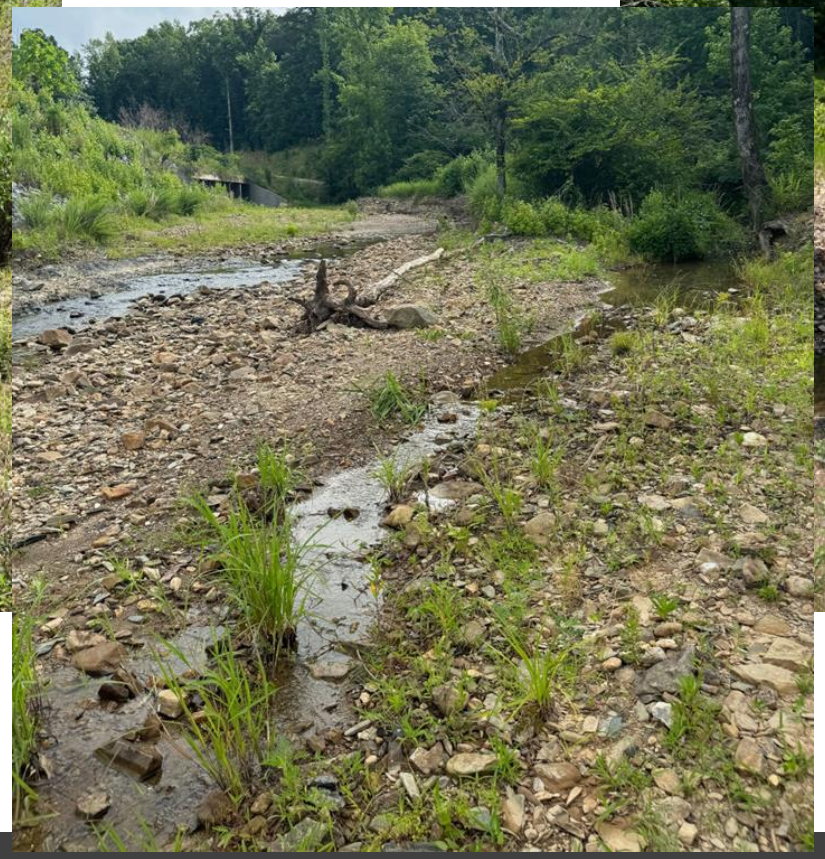

# LOCATION OF REVISIONS AT SITE D 2&3

# Access to Site D-3

Construct permanent access road Station 768+30 RIGHT

# Site D2
# Sta. 767 left

- Fillet and channel shaping to ensure low flow conditions are directed into one barrel inline with natural channel
- Riprap protection on the bank



# Site D3
# Sta. 767 right

- Fillet and channel shaping to ensure low flow conditions are directed into one barrel and no barriers to aquatic life movement
- Instream structures
- Riprap plating