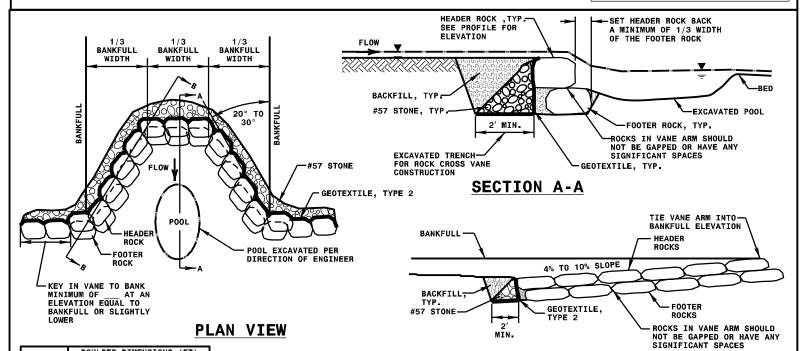


### NOTES:

- TES:
  STEPS TO BE SHORT, FREQUENT, AND
  CLOSELY SPACED.
  POOL SPACING SHALL BE INVERSELY
  PROPORTIONAL TO STREAM SLOPE,
  AND DIRECTLY PROPORTIONAL TO
  BANKFULL WIDTH.
  POOL DEPTHS AT BANKFULL ELEVATION
  SHALL BE TYPICALLY 2 TO 3 TIMES
  DEEPER THAN STEP DEPTHS AT
  BANKFULL FLEVATION.
- DEEPER HAM SIEP DEPINS AT BANKFULL ELEVATION. ADEQUATE NUMBER OF FOOTER BOULDERS TO BE USED IN ORDER TO HOLD UP THE BOULDERS AT HEAD OF STEPS DURING HIGH ENERGY/HIGH FLOW EVENTS.
- STEP POOL DEPTH SHOULD BE 2 TO 3
  TIMES BANKFULL DEPTH.



# BOULDER DIMENSIONS (FT) STATION HEIGHT | LENGTH | WIDTH

# **ROCK CROSS VANE DETAIL** FOR STEP POOLS

NOT TO SCALE

## **SECTION B-B**

NOT TO SCALE

- NOTES:

  1. DEEPEST PART OF POOL TO BE IN LINE WITH WHERE VANE ARM TIES INTO BANKFULL.

  2. DO NOT EXCAVATE POOL TOO CLOSE TO OR BELOW FOOTER BOULDERS.

  3. CLASS "A" STONE CAN BE USED TO REDUCE VOIDS BETWEEN HEADERS AND FOOTERS.
- COMPACT BACKFILL TO EXTENT POSSIBLE OR AT THE DIRECTION OF THE ENGINEER.
- 5. POOL DEPTH SHOULD BE 2 TO 3 TIMES BANKFULL DEPTH.