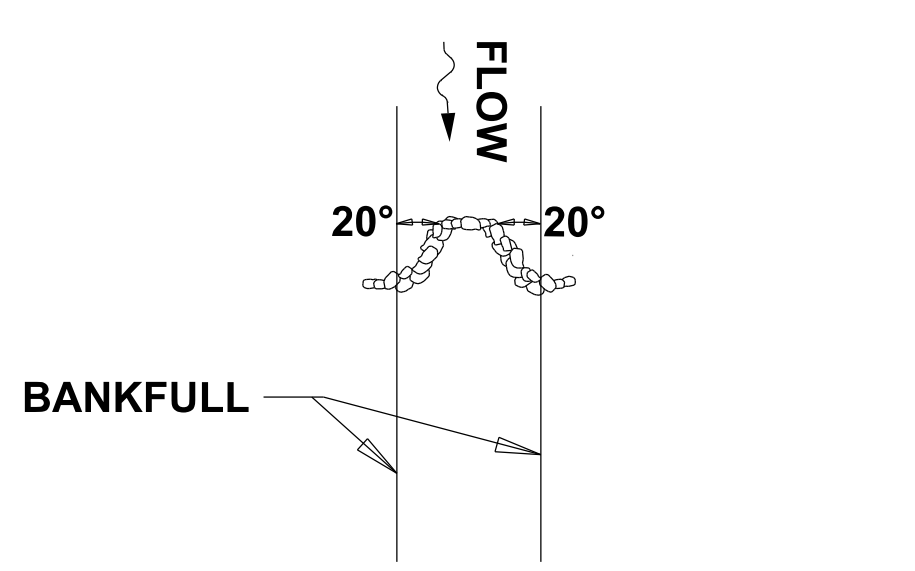
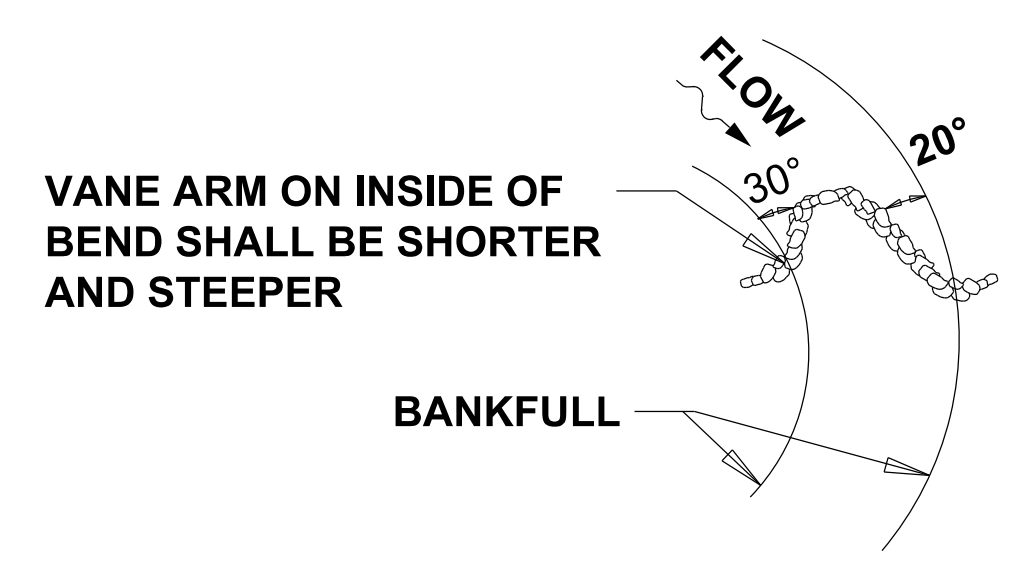
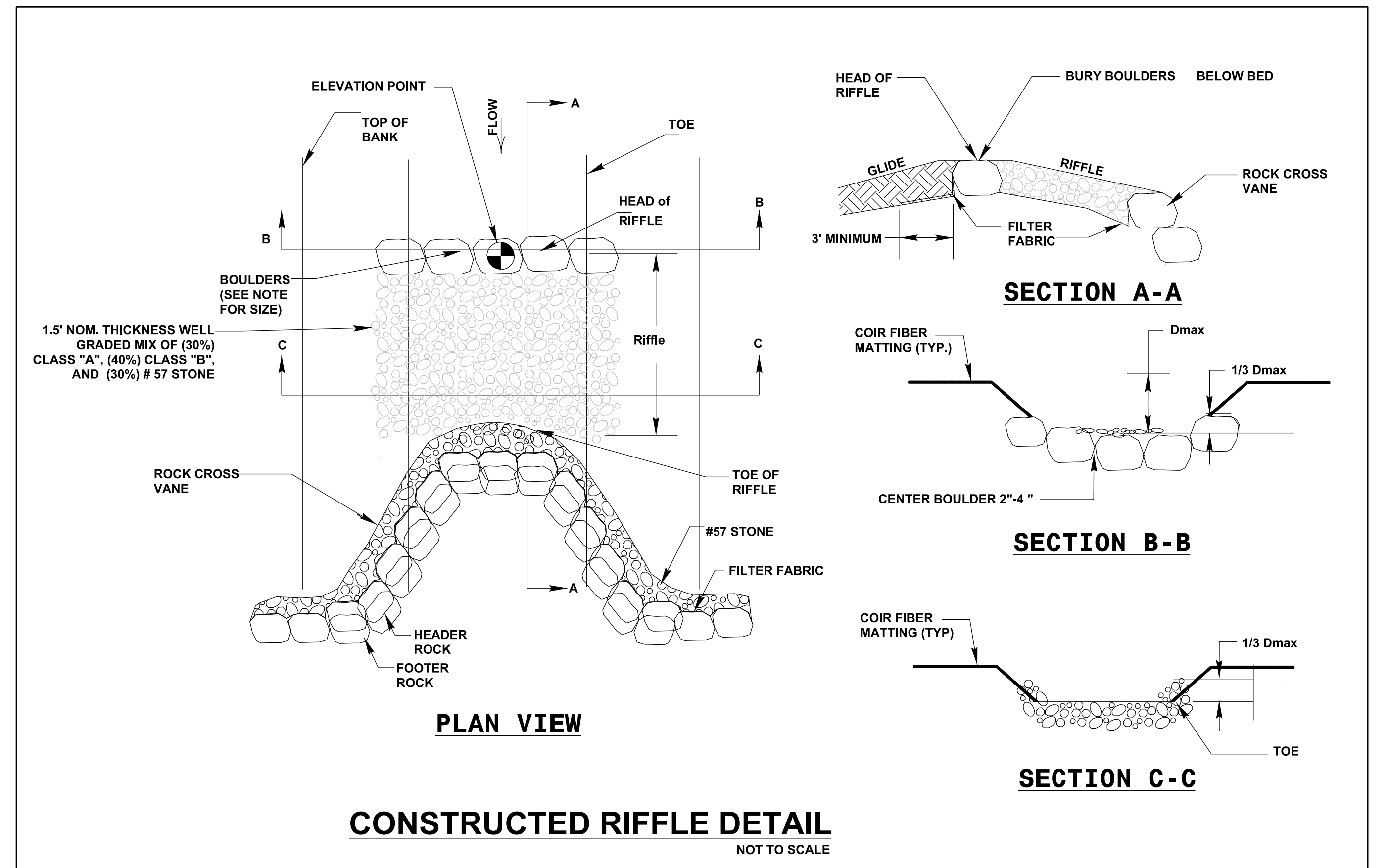


STATION	HEIGHT	LENGTH	WIDTH
	2.0'	3.0'	2.5'

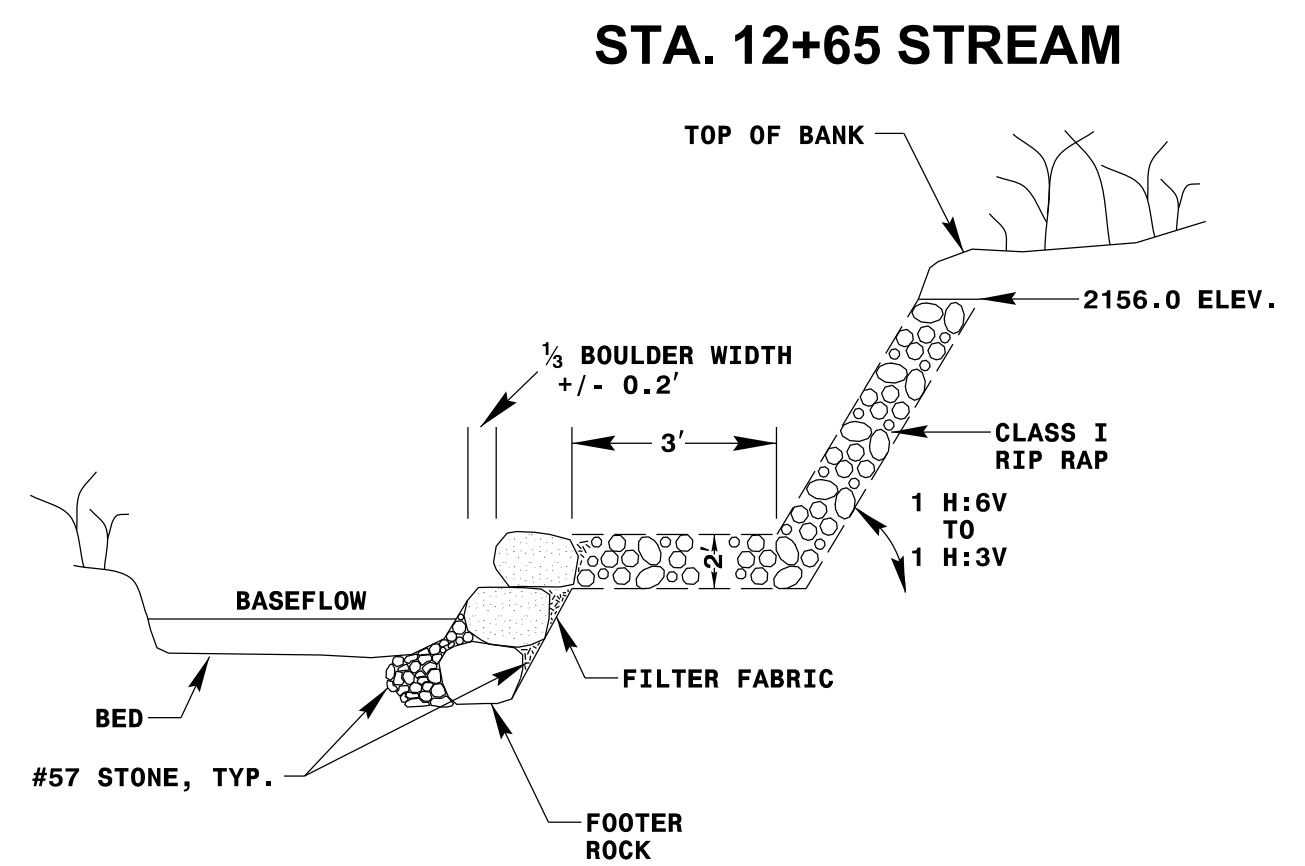
- NOTES:**
1. DEEPEST PART OF POOL TO BE IN LINE WITH WHERE VANE ARM TIES INTO BANKFULL.
 2. DO NOT EXCAVATE POOL TOO CLOSE TO FOOTER BOULDERS.
 3. CLASS "A" STONE CAN BE USED TO REDUCE VOIDS BETWEEN BOULDERS.
 4. VANE ANGLE TOLERANCE IS +/- 5 DEGREES.
 5. VANE ARM SLOPE (VERTICAL) SHOULD BE 0-2% ON THE INTERIOR ARM OF MEANDER BENDS
 6. VANE ARM SLOPE (VERTICAL) ON THE OUTSIDE ARM OF MEANDER BENDS SHOULD BE 2-4%



ROCK CROSS VANE DETAIL FOR STEP POOLS
NOT TO SCALE



CONSTRUCTED RIFFLE DETAIL
NOT TO SCALE



- NOTE:**
1. BOULDERS SHOULD BE NATIVE STONES OR SHOT ROCK, ANGULAR AND OBLONG, WITH AN AXIS APPROXIMATELY 3.0'Lx2.5'Wx2.0'D

REVETMENT SHALL BE CONSTRUCTED BY PLACING A MINIMUM OF ONE BOULDER BELOW STREAM BED. ADDITIONAL BOULDERS SHALL BE PLACED ON TOP OF THESE FOOTER BOULDERS SUCH THAT THE ELEVATION OF THE TOP OF THE UPPERMOST BOULDER IS THE SAME ELEVATION AS THE LEFT ARM OF THE CROSS VANE UPSTREAM AT THE BANK TIE IN.

IMBRICATED RIP-RAP REVETMENT
NOT TO SCALE

REVISIONS

8.17.17.19