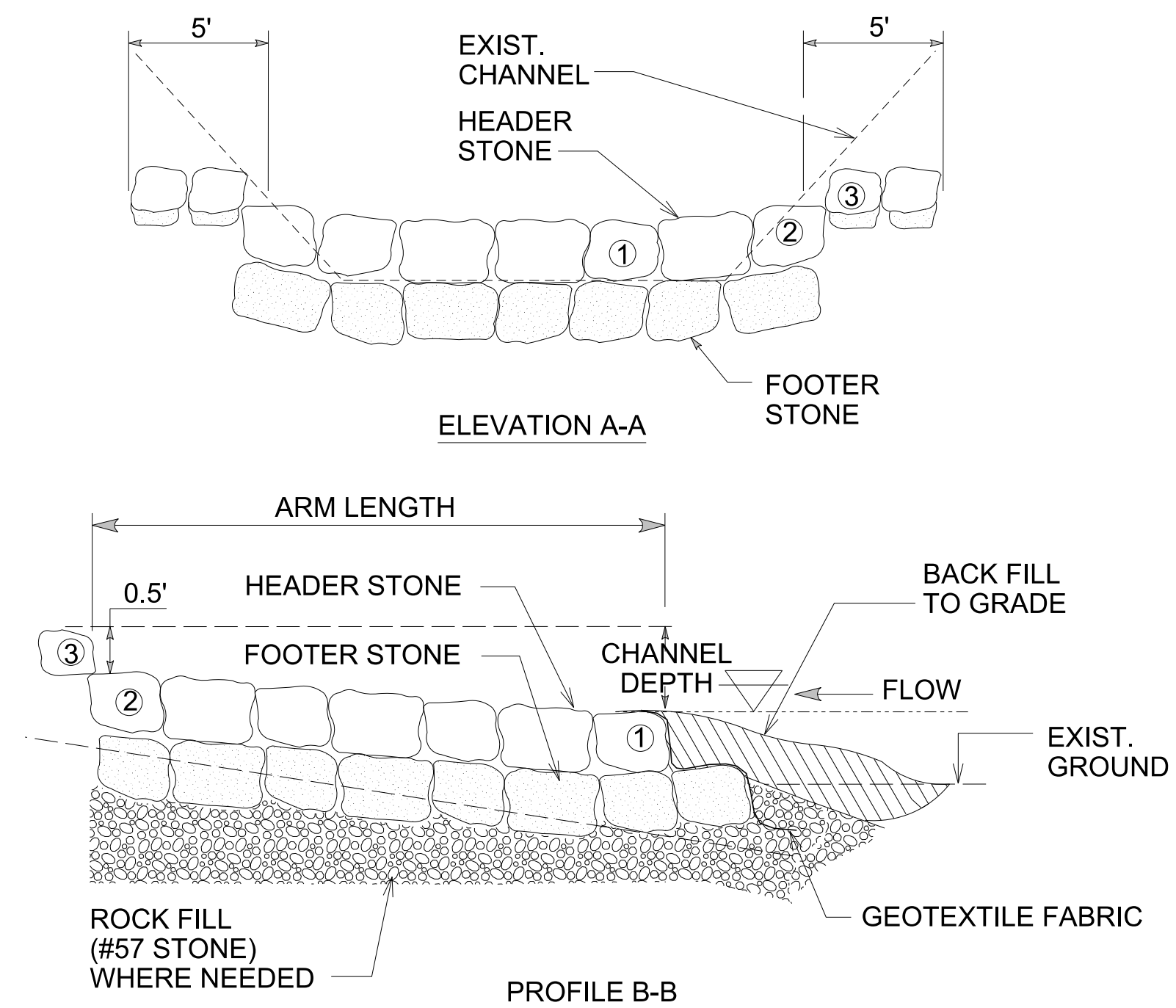
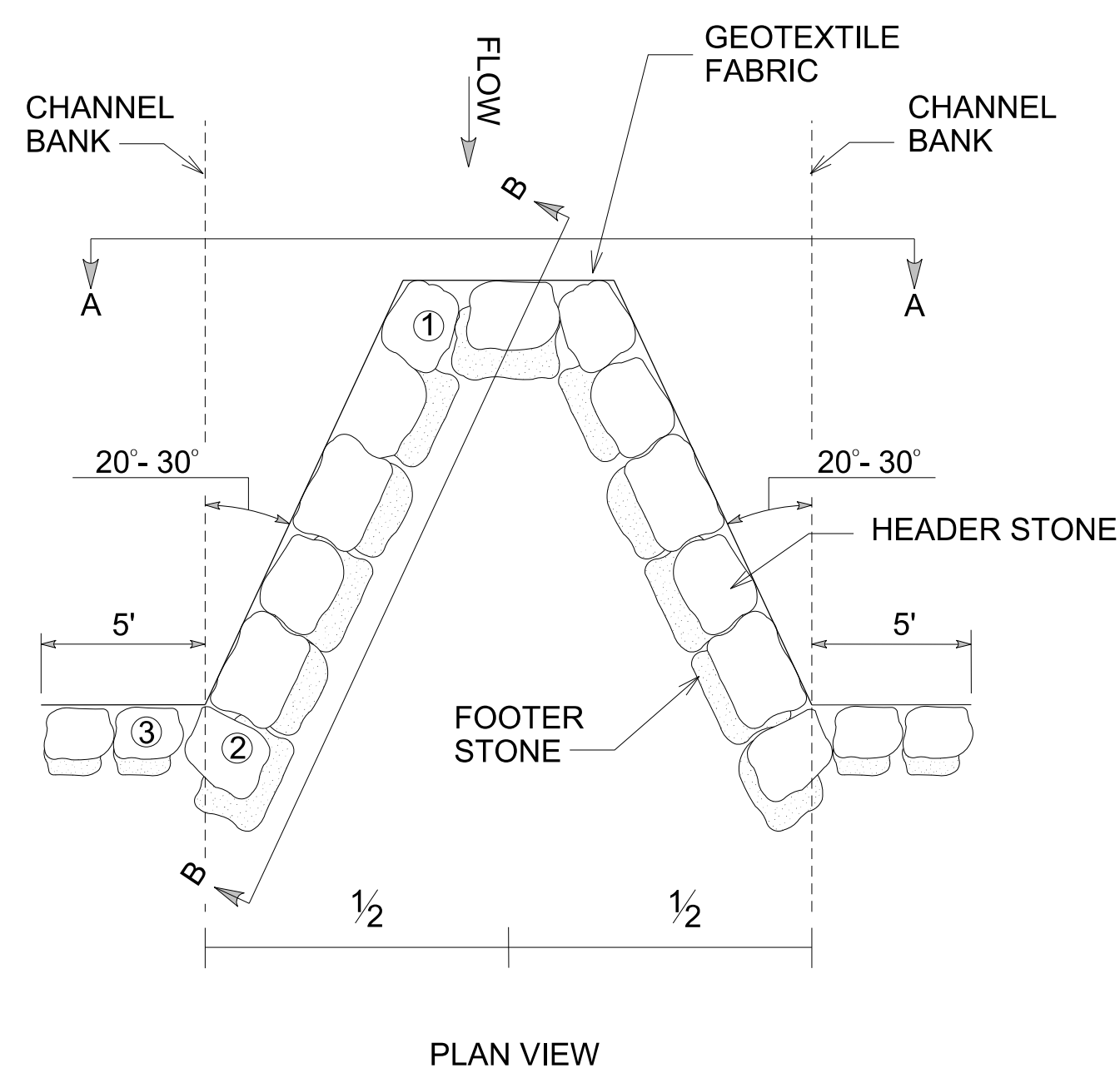


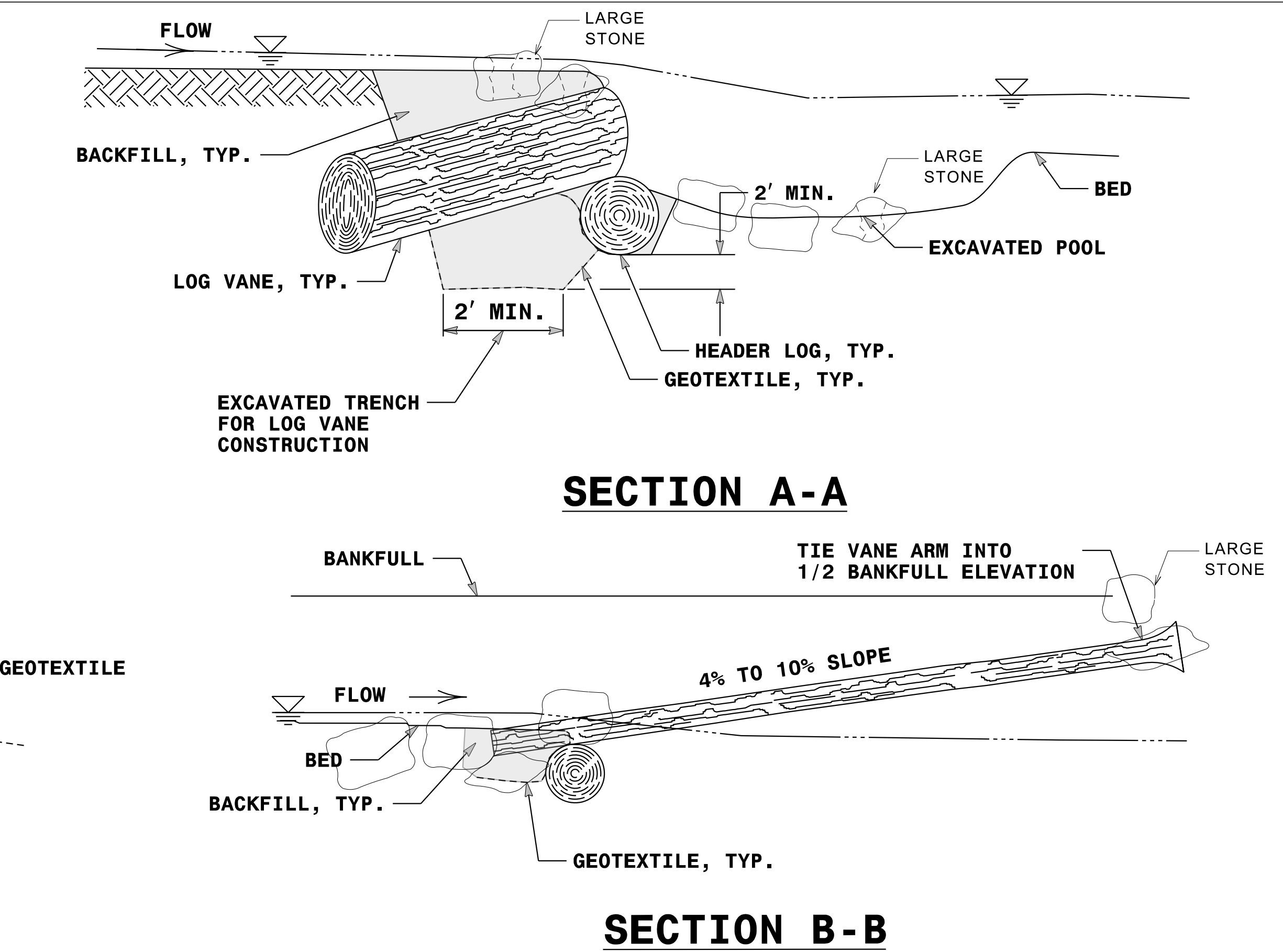
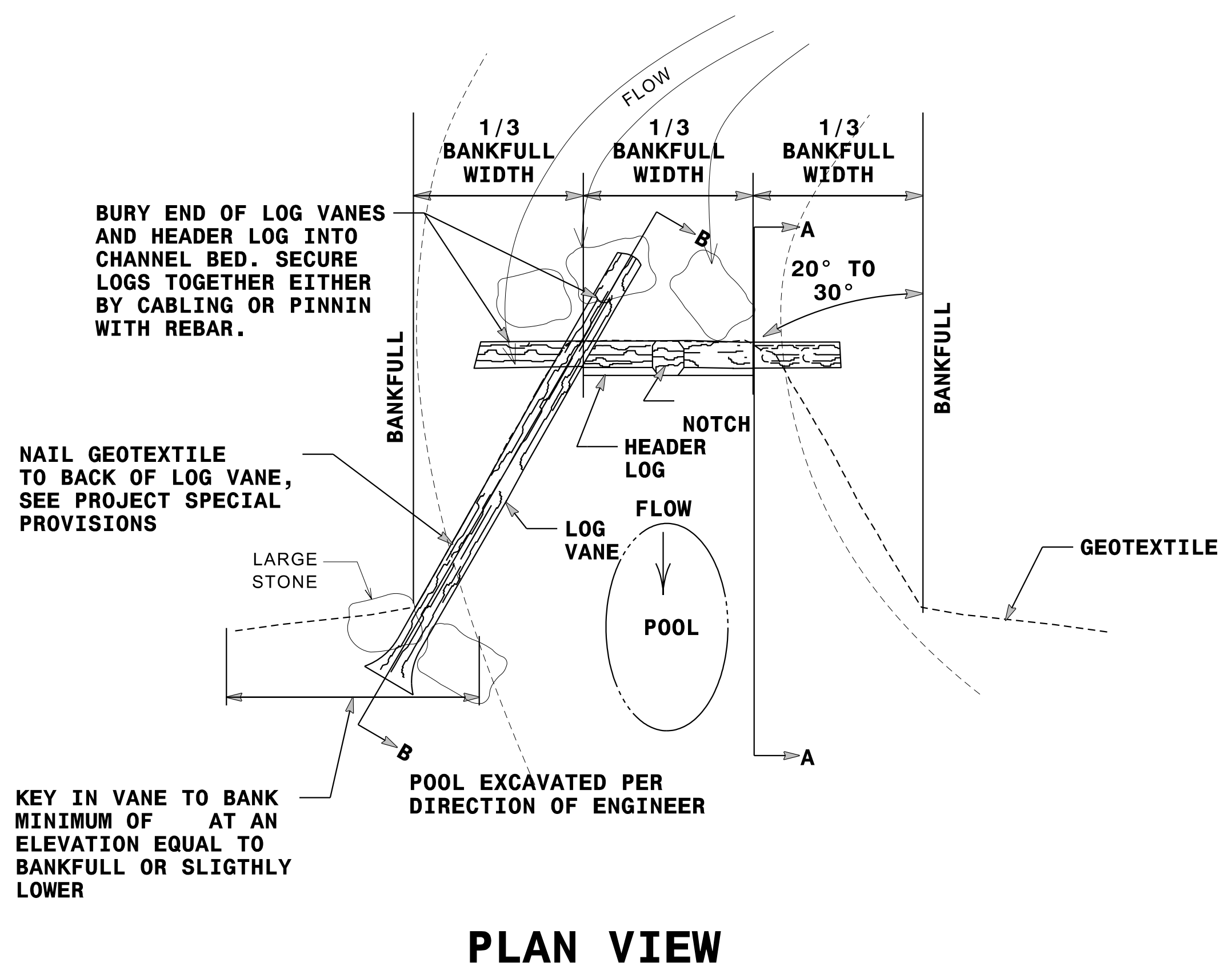
NOTE:
HEADER AND FOOTER STONES ARE LARGE, ANGULAR BOULDERS
MEASURING A MINIMUM OF 24" ALONG THE SHORTEST DIMENSION.



TYPICAL CROSS-VANE

NOTE:
GEOTEXTILE FABRIC TOED IN AND DRAPED
ON UPSTREAM SIDE OF LOG VANE
PRIOR TO BACKFILL.

PROJECT REFERENCE NO. 1-4729A	SHEET NO. STRM 02A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



TYPICAL LOG VANE

- 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 HEADERS AND FOOTERS.
 - 4) COMPACT BACKFILL TO EXTENT POSSIBLE OR AT THE DIRECTION OF THE ENGINEER.
 - 5) POOL DEPTH SHOULD BE 2 TO 3 TIMES BANKFULL DEPTH.