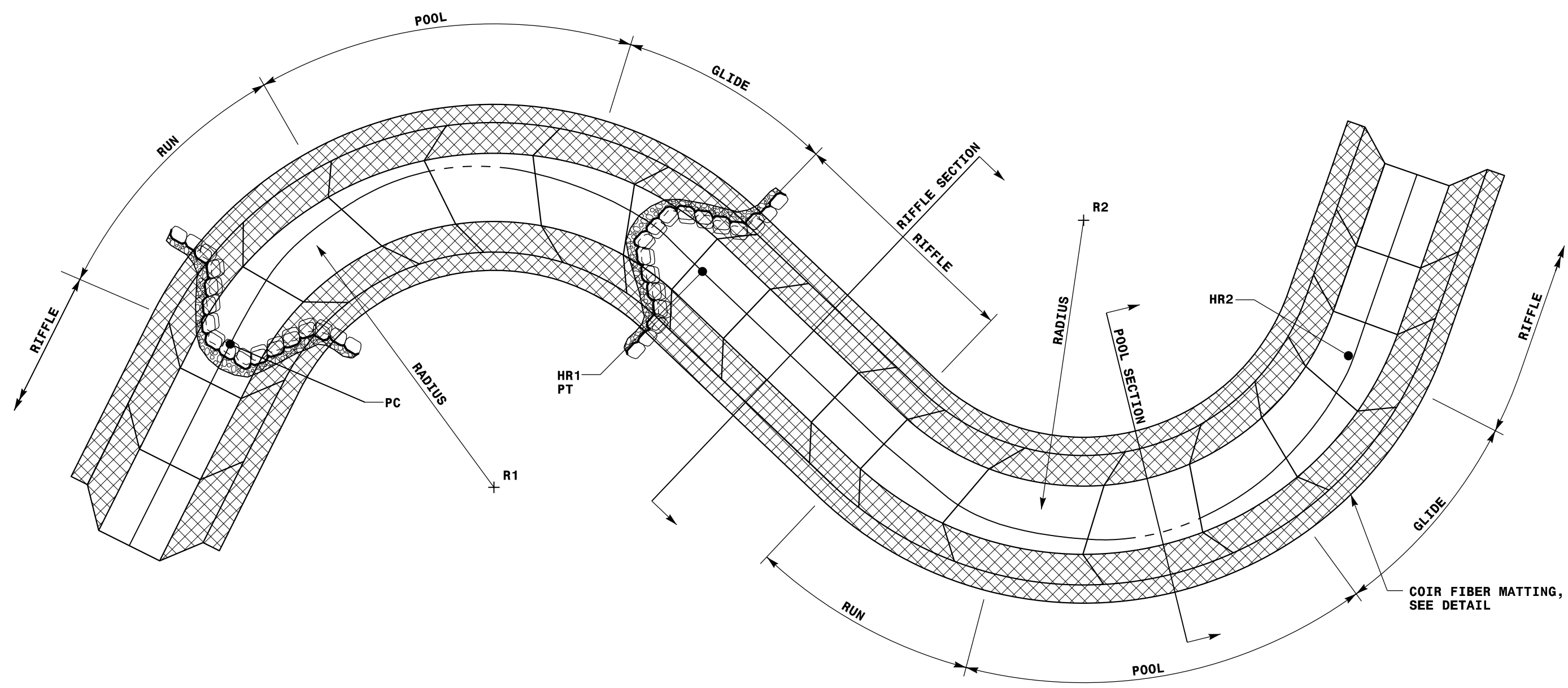
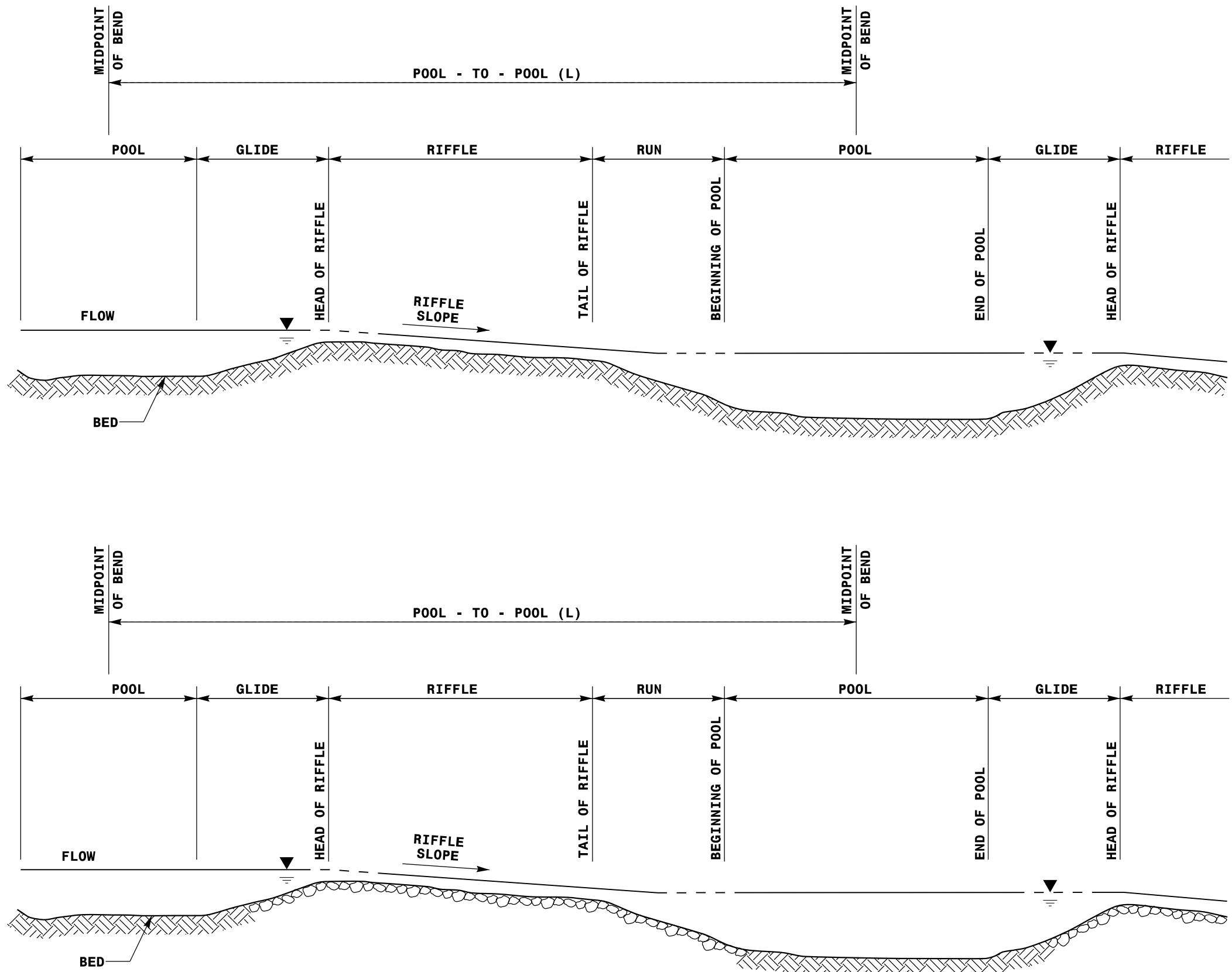
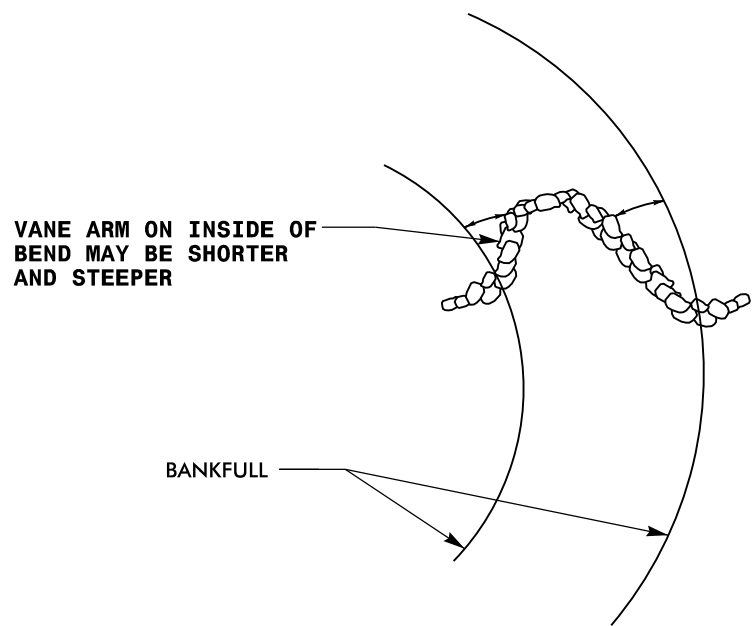




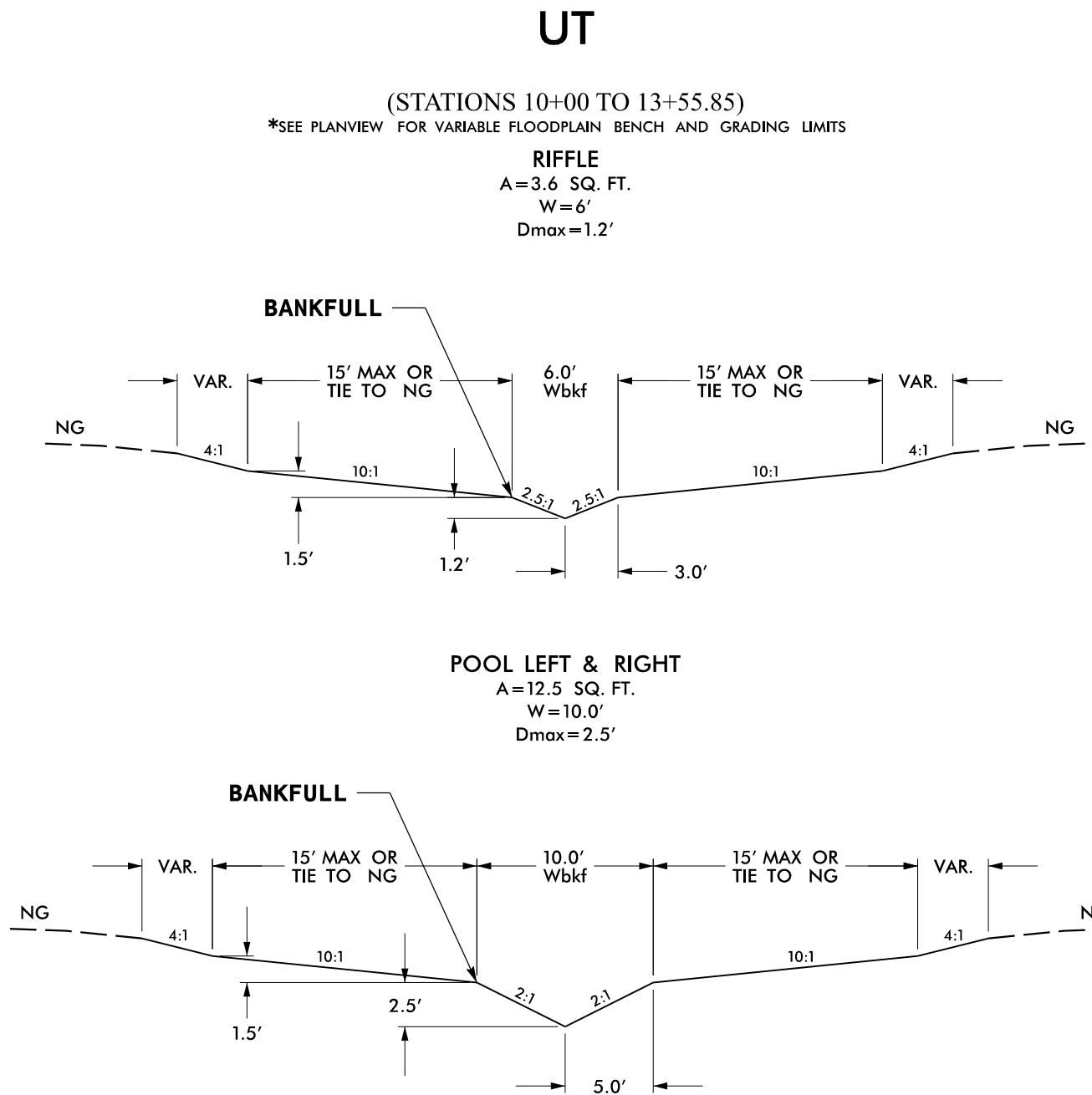
TYPICAL PLAN



TYPICAL PROFILE FOR ARMORED RIFFLE SECTION



CROSS VANE CONSTRUCTION
IN MEANDER-BEND
PLAN VIEW



W_{bkf} = BANKFULL WIDTH
D_{max} = MAXIMUM DEPTH
W_b = BOTTOM WIDTH
W_{fpa} = FLOOD PRONE AREA WIDTH

CROSS-SECTION DIMENSIONS									
REACH	RIFFLE				POOL				Width/Depth Ratio
	W _{bkf}	D _{max}	W _b	W _{fpa}	W _{bkf}	D _{max}	W _b	W _{fpa}	
Sta. 10+00 - Sta. 13+56	6.0'	1.2'	0.0'	30.0'	10.0'	2.5'	0.0'	48.0'	10.0'

STATION -P_UT-	FEATURE
10+63.00	RIFFLE
11+10.00	RIFFLE
11+45.00	CONSTRUCTED RIFFLE
11+86.00	RIFFLE
12+20.00	CONSTRUCTED RIFFLE
12+68.00	CONSTRUCTED RIFFLE
13+25.00	CONSTRUCTED RIFFLE

U-6187

OSM-02B

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DAVIE COUNTY

ENVIRONMENTAL ANALYSES UNIT

HYDRAULIC DESIGN
ENGINEER

PREPARED BY

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