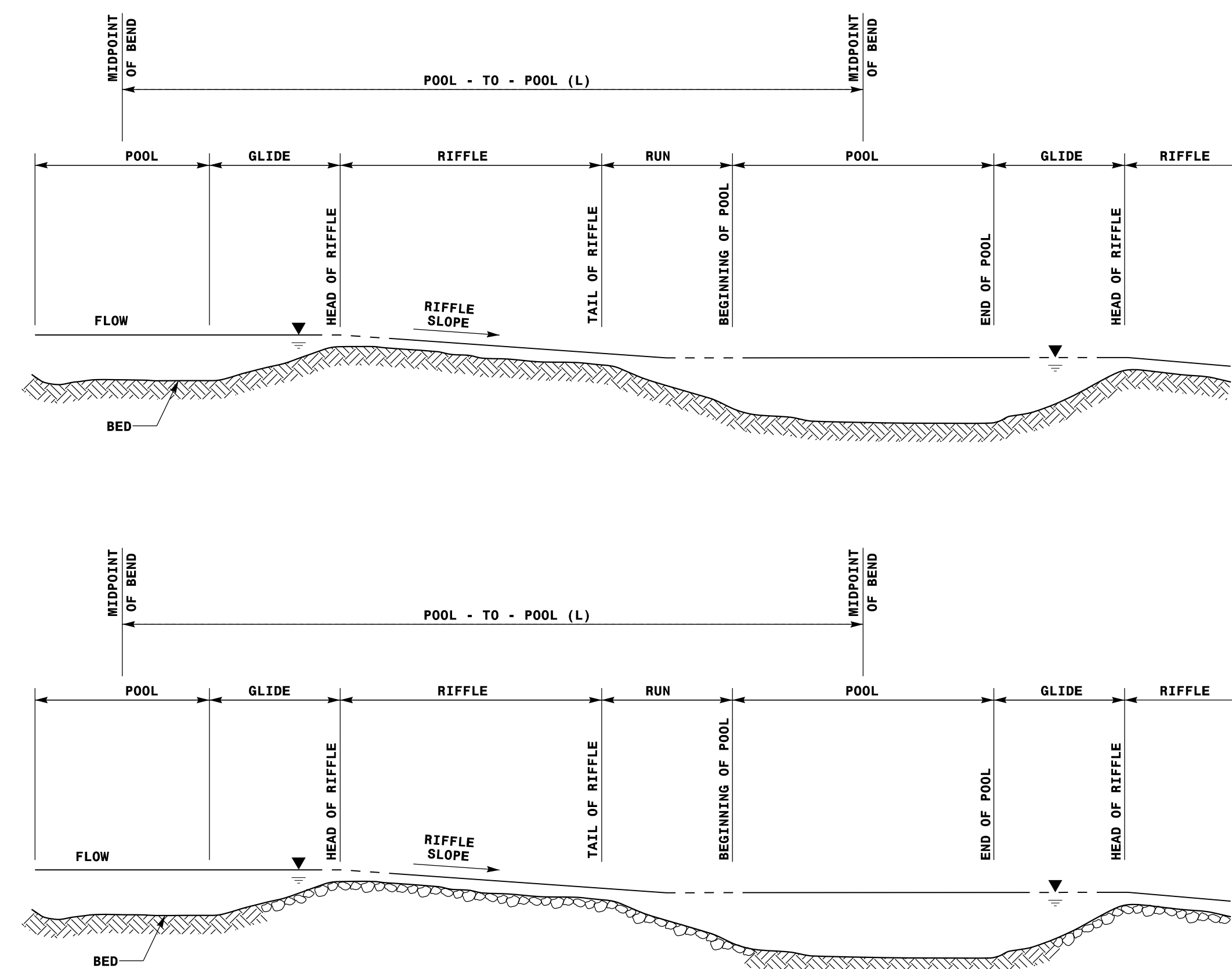
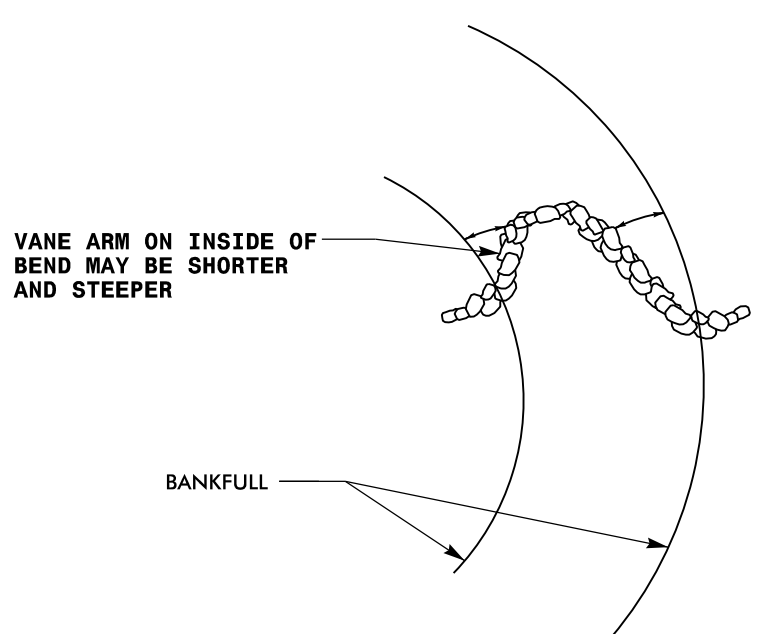


TYPICAL PLAN

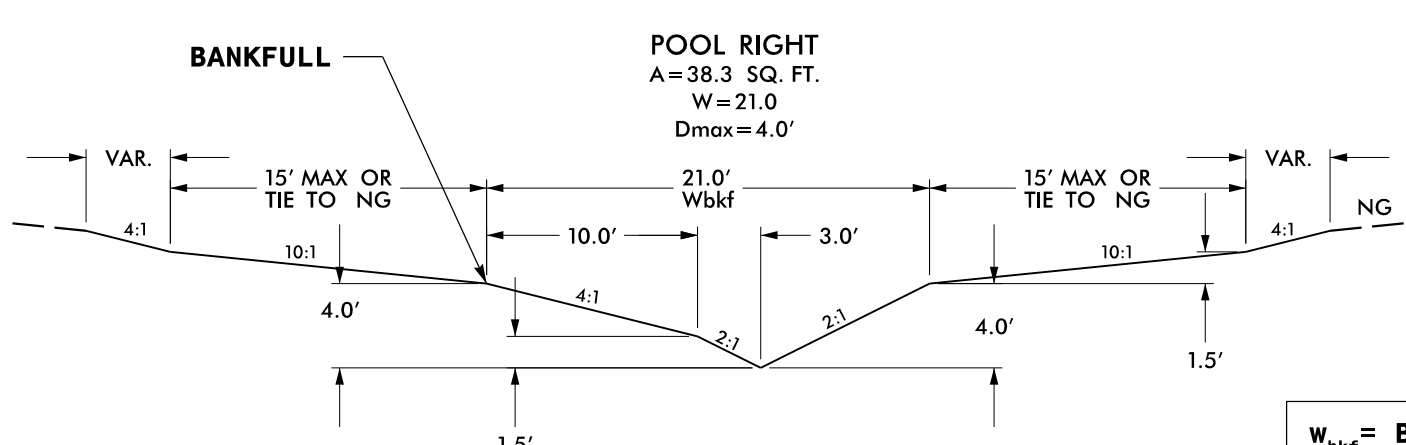
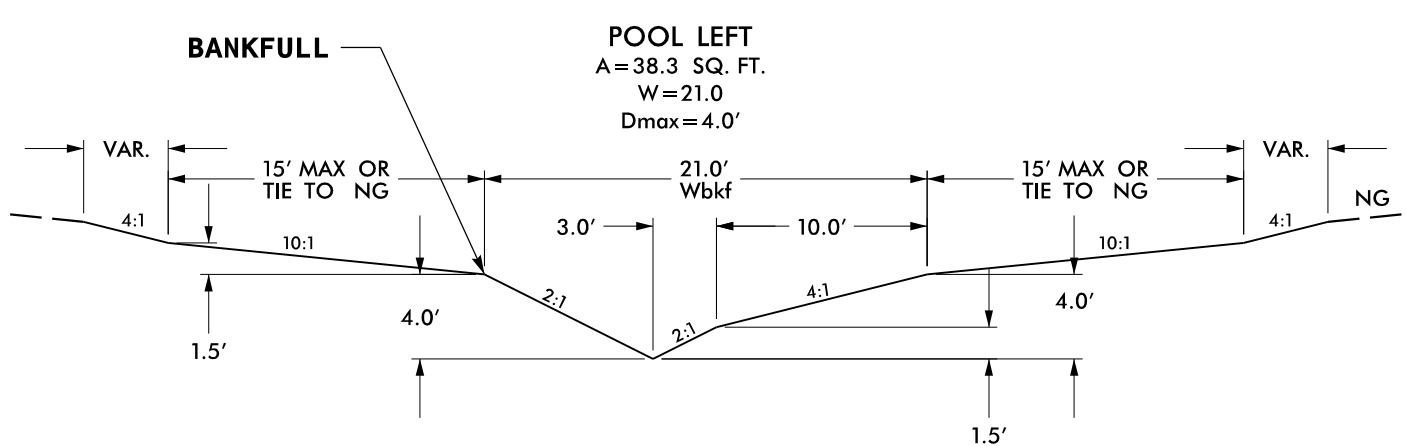
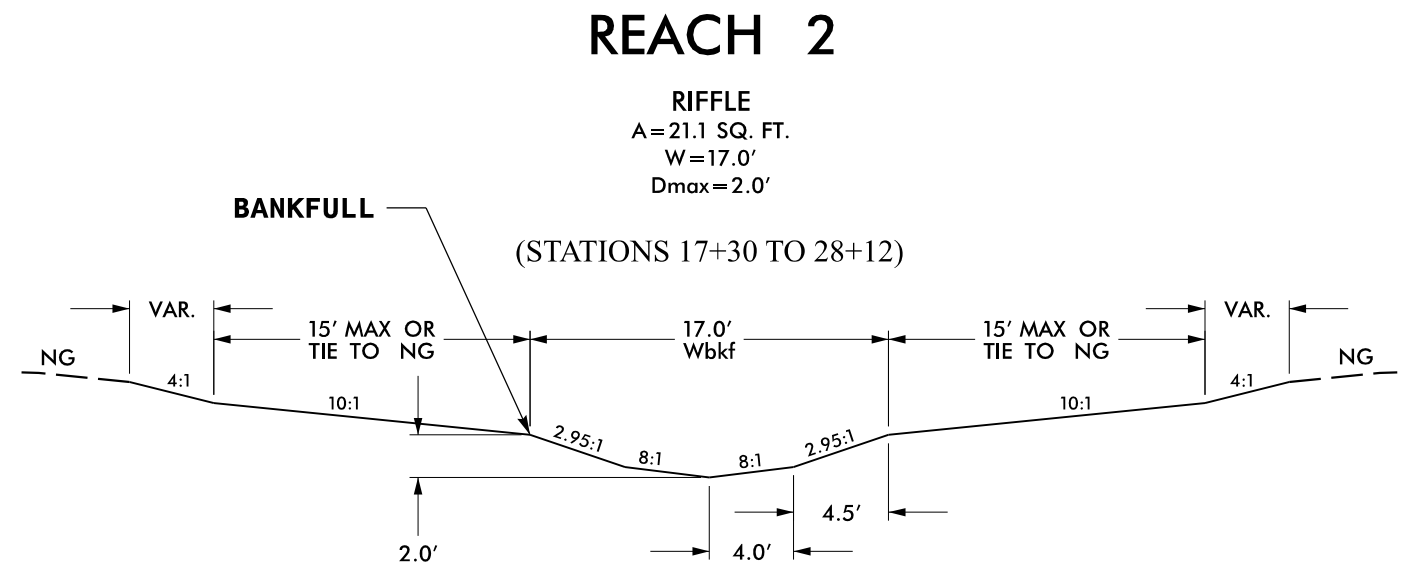
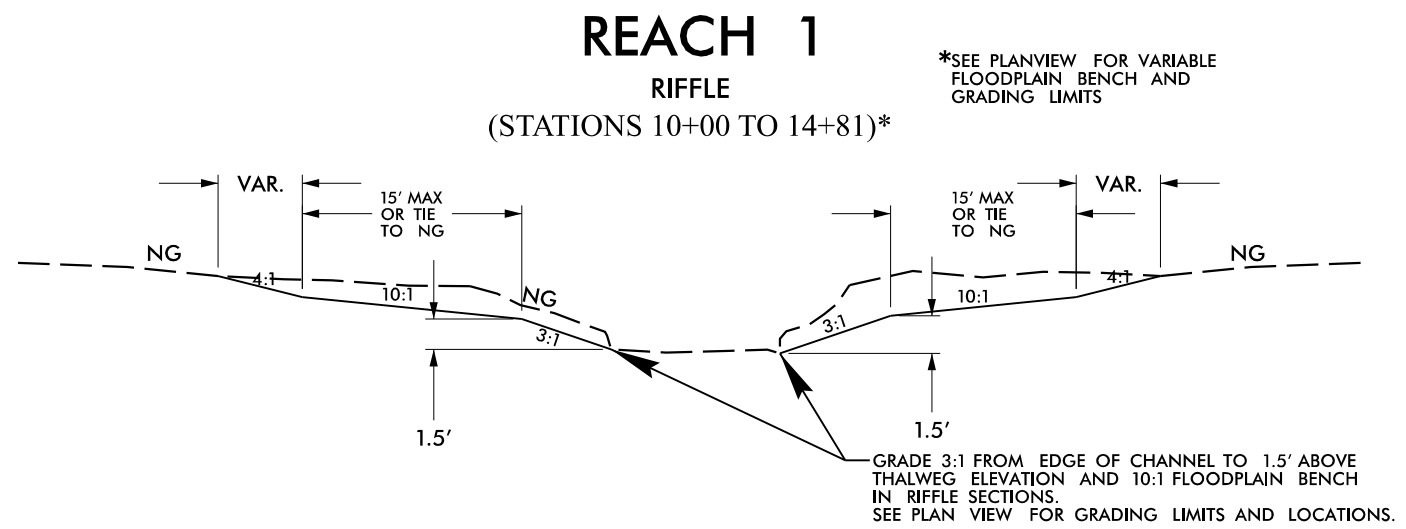


TYPICAL PROFILE FOR ARMORED RIFFLE SECTION

CHANNEL TYPICAL DETAIL - SMITH CREEK



CROSS VANE CONSTRUCTION  
IN MEANDER-BEND  
PLAN VIEW



W<sub>bkf</sub> = BANKFULL WIDTH  
D<sub>max</sub> = MAXIMUM DEPTH  
W<sub>b</sub> = BOTTOM WIDTH  
W<sub>fpa</sub> = FLOOD PRONE AREA WIDTH

CROSS-SECTION DIMENSIONS								
REACH	RIFFLE				POOL			
	W <sub>bkf</sub>	D <sub>max</sub>	W <sub>b</sub>	W <sub>fpa</sub>	W <sub>bkf</sub>	D <sub>max</sub>	W <sub>b</sub>	W <sub>fpa</sub>
Sta. 17+30 - Sta. 28+18	17.0'	2.0'	8.0'	50.0'	21.0'	4.0'	6.0'	71.0'

STATION -P_SMITHCREEK-	FEATURE
18+50.00	RIFFLE
19+55.00	RIFFLE
20+16.00	CONSTRUCTED RIFFLE
21+05.00	CONSTRUCTED RIFFLE
22+22.00	RIFFLE
23+15.00	RIFFLE
24+05.00	CONSTRUCTED RIFFLE
24+80.00	RIFFLE
26+56.00	RIFFLE
27+60.00	RIFFLE

U-6187  
DSM-02A

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
DAVIE COUNTY

ENVIRONMENTAL ANALYSES UNIT  
HYDRAULIC DESIGN  
ENGINEER

PREPARED BY  
  
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