

7/2/99

REVISIONS

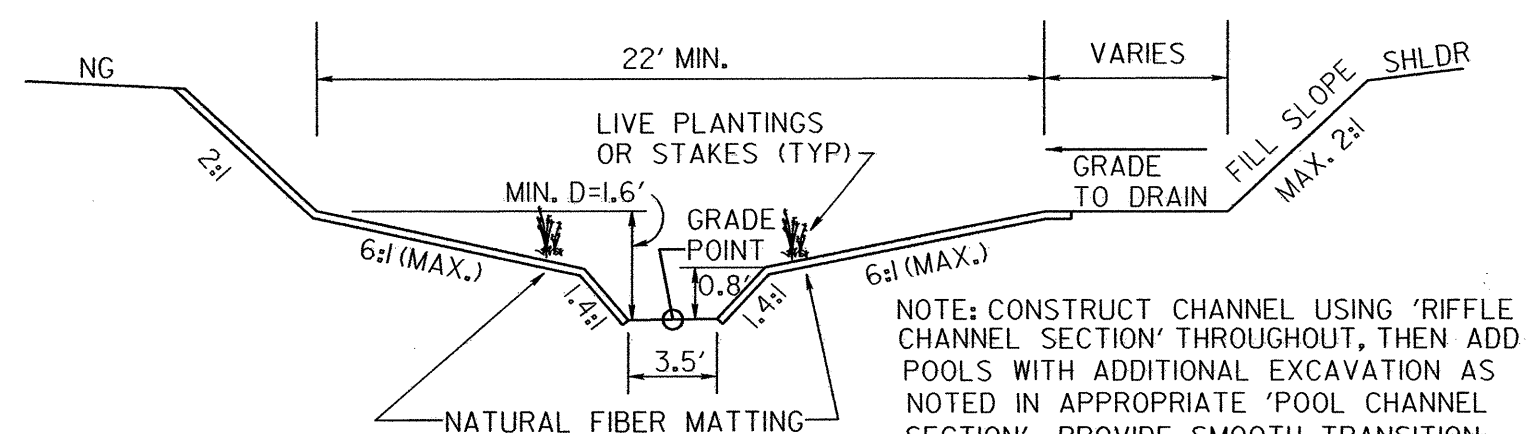
PROJECT REFERENCE NO. R-3427	SHEET NO. 8-A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# NATURAL CHANNEL DESIGN DETAILS

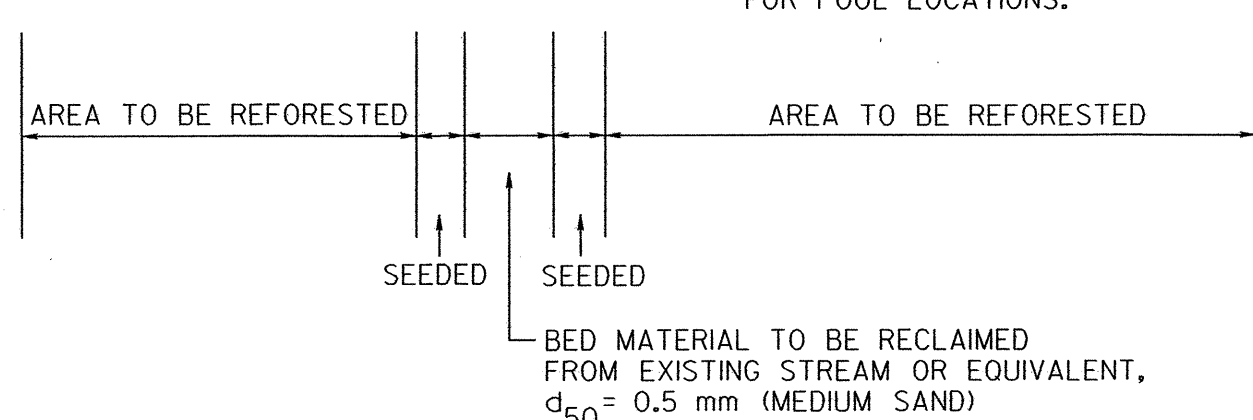
## SHEET 8-A

### STA 64+20 TO STA 66+00 -L- RT.

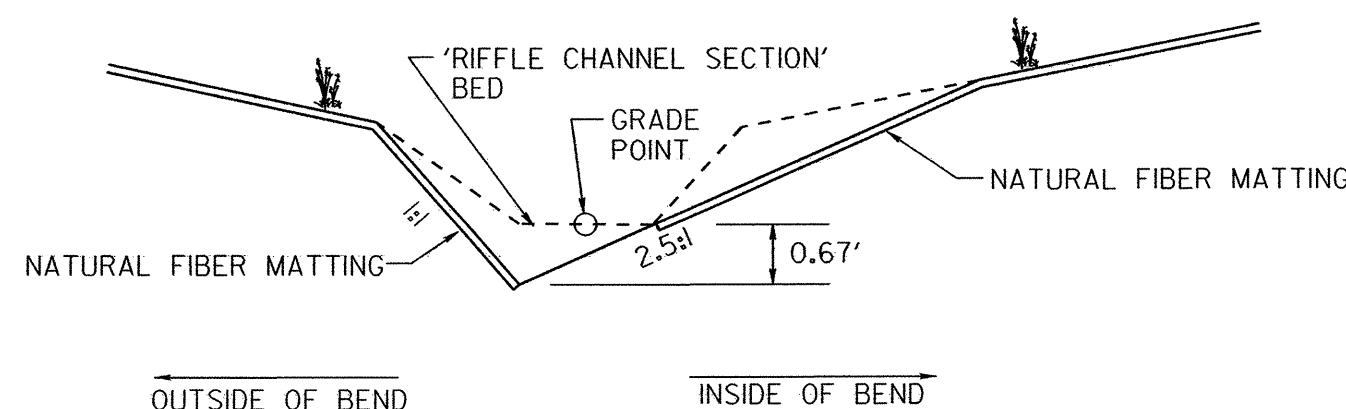
RIFFLE CHANNEL SECTION (NTS)



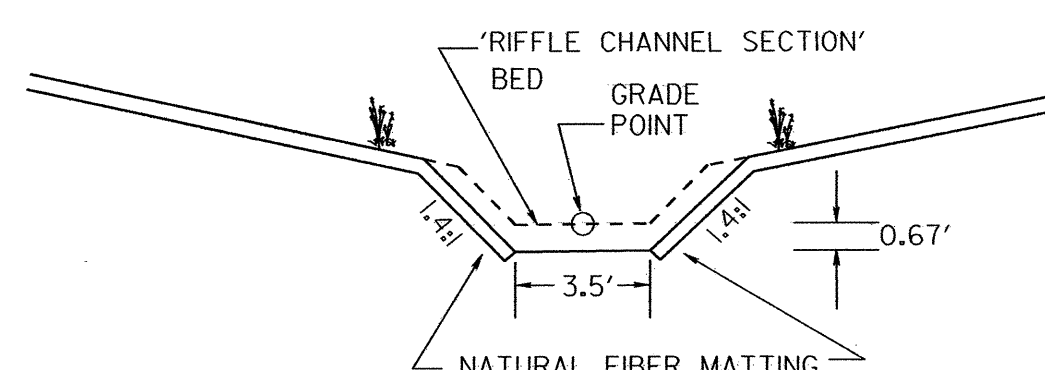
NOTE: CONSTRUCT CHANNEL USING 'RIFFLE CHANNEL SECTION' THROUGHOUT, THEN ADD POOLS WITH ADDITIONAL EXCAVATION AS NOTED IN APPROPRIATE 'POOL CHANNEL SECTION'. PROVIDE SMOOTH TRANSITION BETWEEN 'RIFFLE CHANNEL' AND 'POOL CHANNEL' SECTIONS. SEE STREAM PROFILE FOR POOL LOCATIONS.



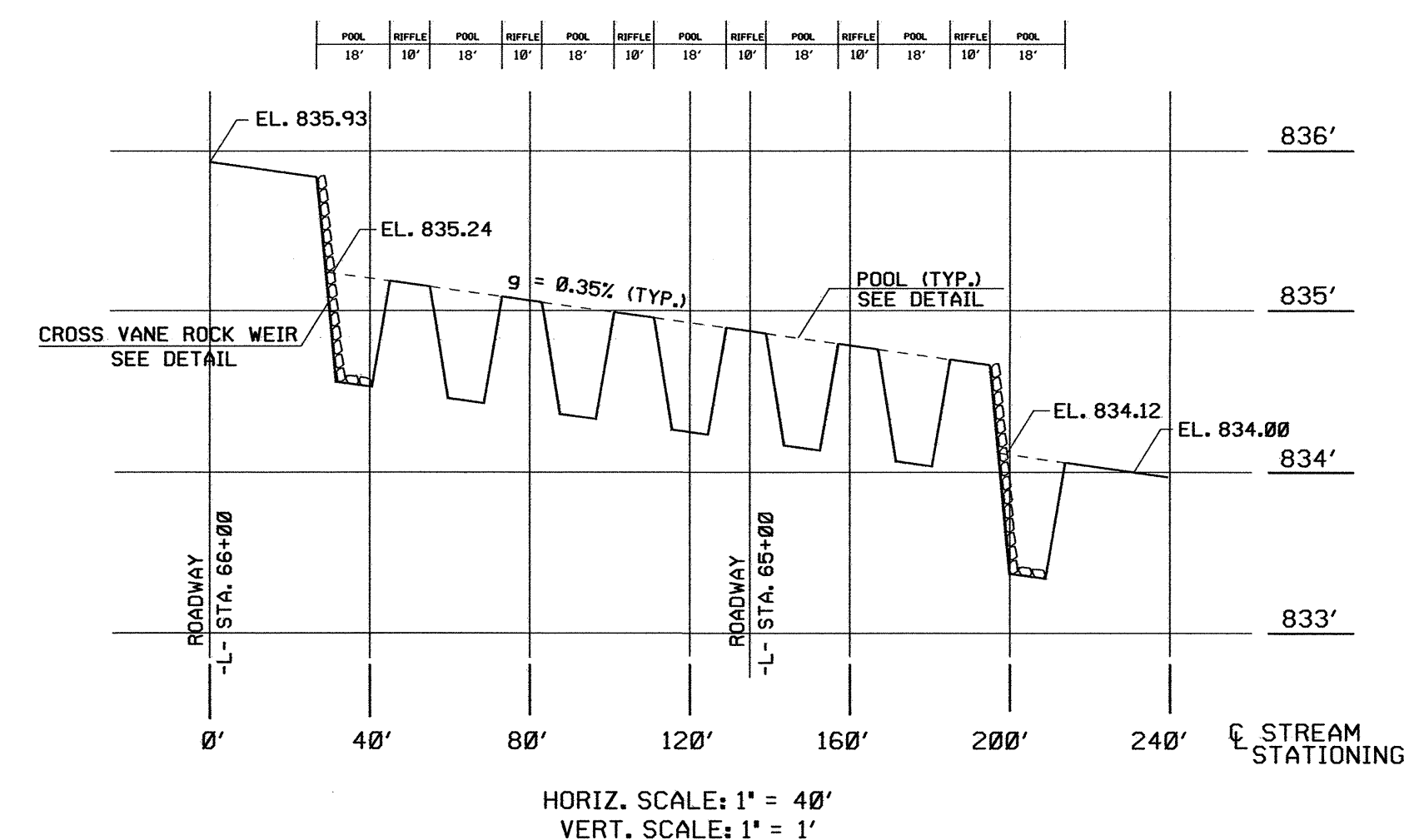
POOL CHANNEL SECTION (IN BEND) (NTS)



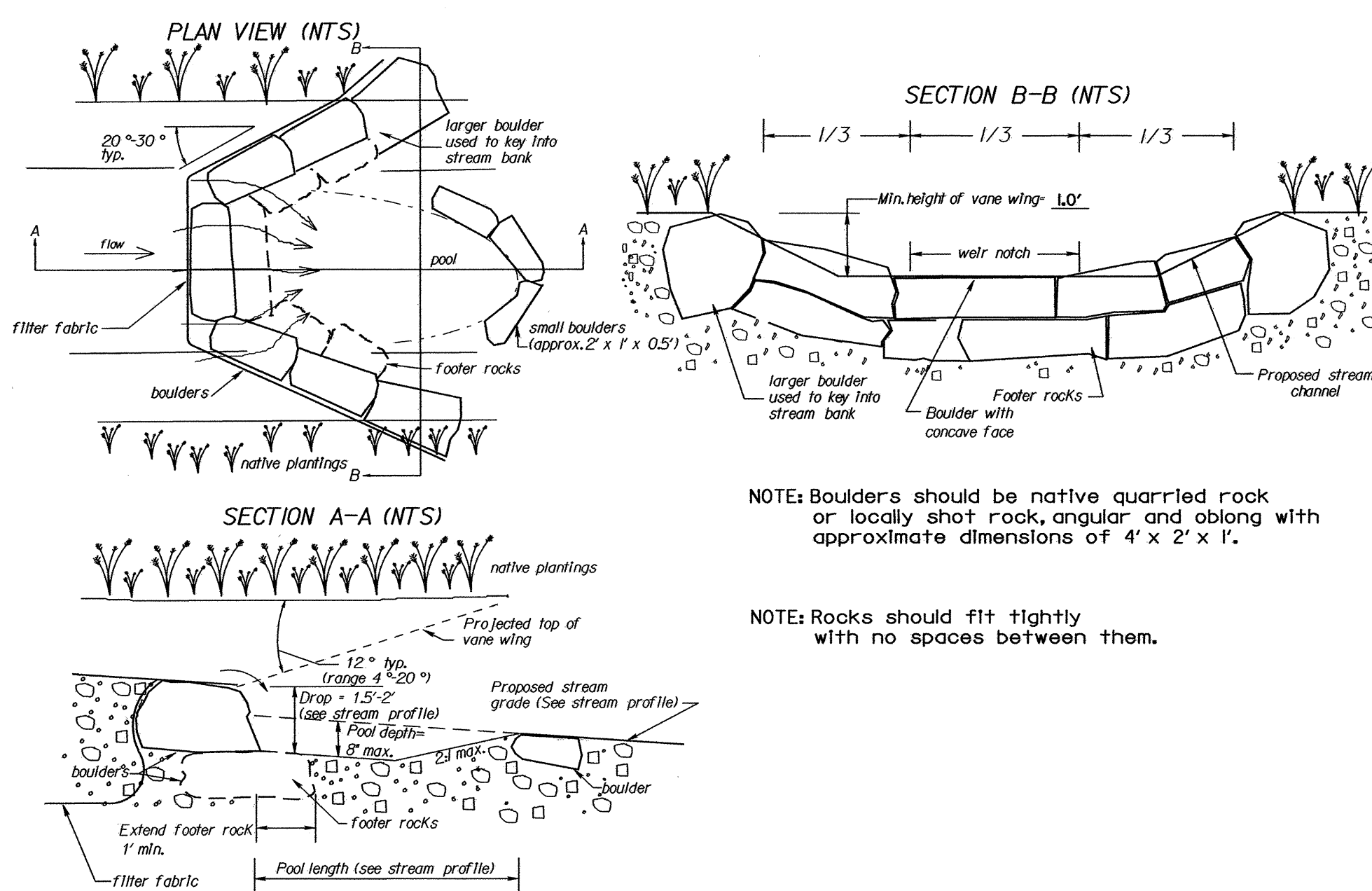
POOL CHANNEL SECTION (IN TANGENT) (NTS)



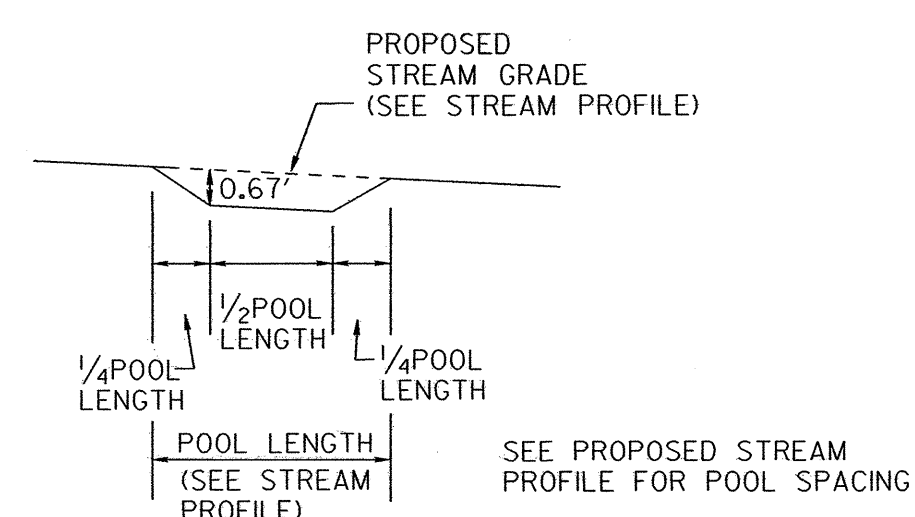
PROPOSED STREAM PROFILE



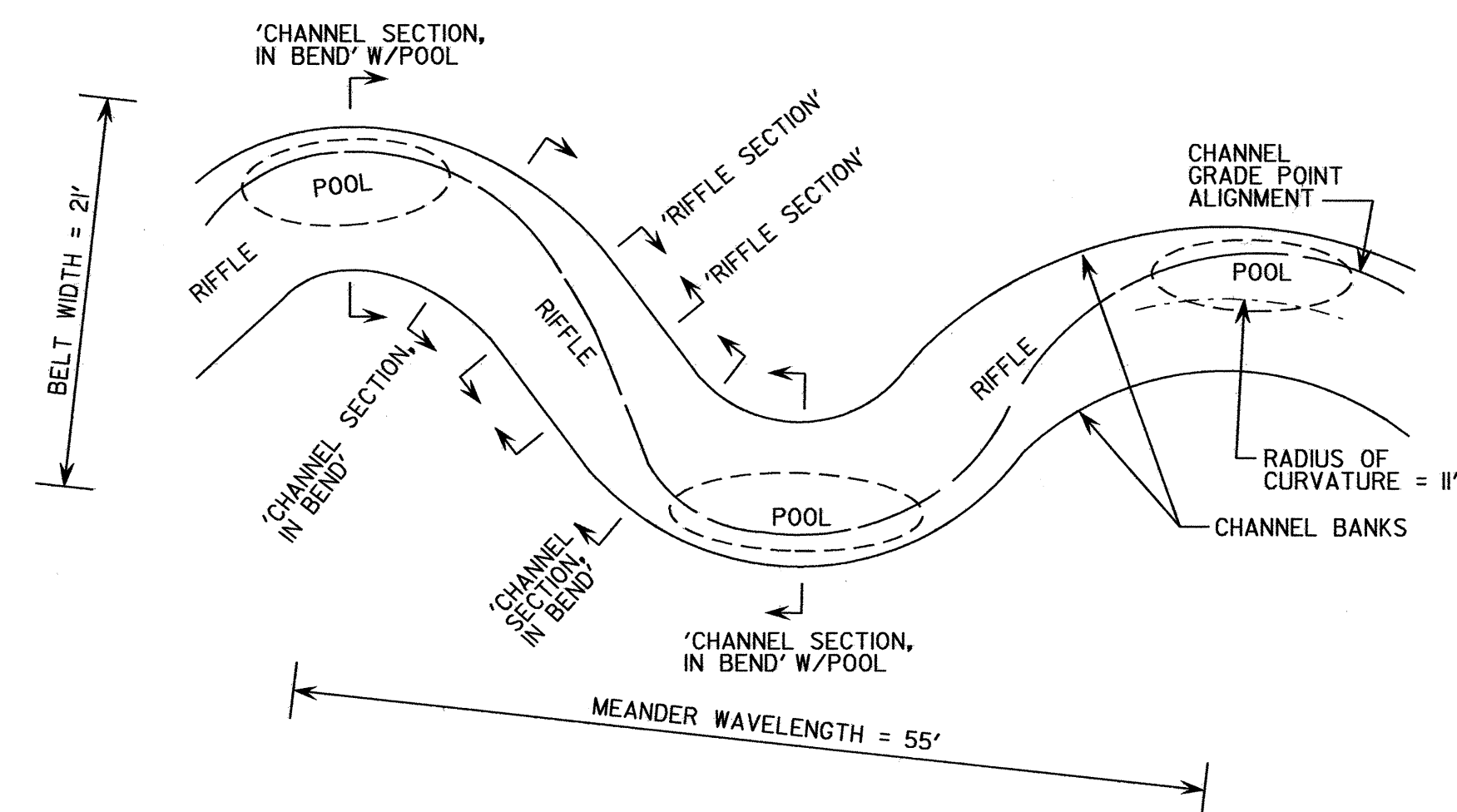
CROSS VANE ROCK WEIR DETAIL (NTS)



POOL PROFILE VIEW (NTS)



PROPOSED STREAM PLAN VIEW (NTS)



CHANNEL TO BE GRADED TO MATCH 'RIFFLE CHANNEL SECTION' AND 'POOL CHANNEL SECTION, (IN BEND)' THROUGHOUT, PROVIDING A SMOOTH TRANSITION BETWEEN EACH SECTION. POOLS TO BE CONSTRUCTED BY ADDITIONAL EXCAVATION AS INDICATED IN 'POOL CHANNEL SECTION, (IN BEND)' DETAIL. WHERE POSSIBLE, EACH BEND SHOULD HAVE A POOL LOCATED ON THE OUTSIDE OF THE BEND. ADDITIONAL POOLS SHOULD BE ADDED AS NEEDED TO OBTAIN CORRECT RIFFLE/POOL SPACING.

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