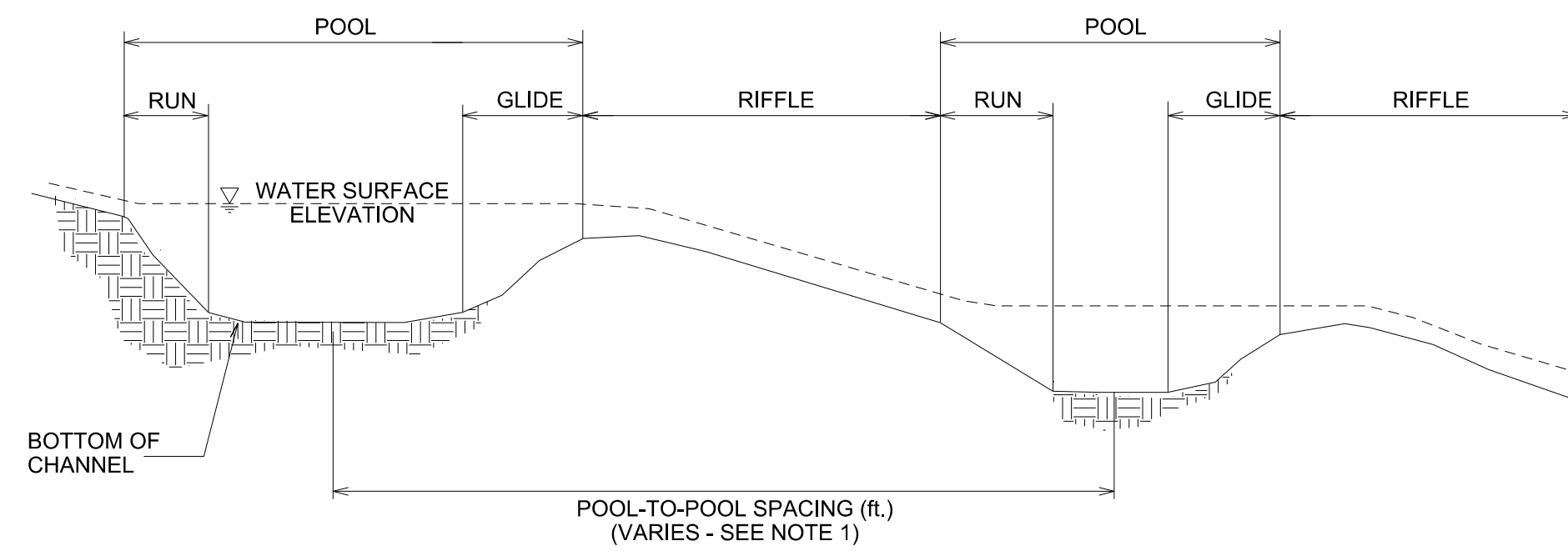


PROJECT REFERENCE NO. 1-4729A	SHEET NO. STRM 02
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

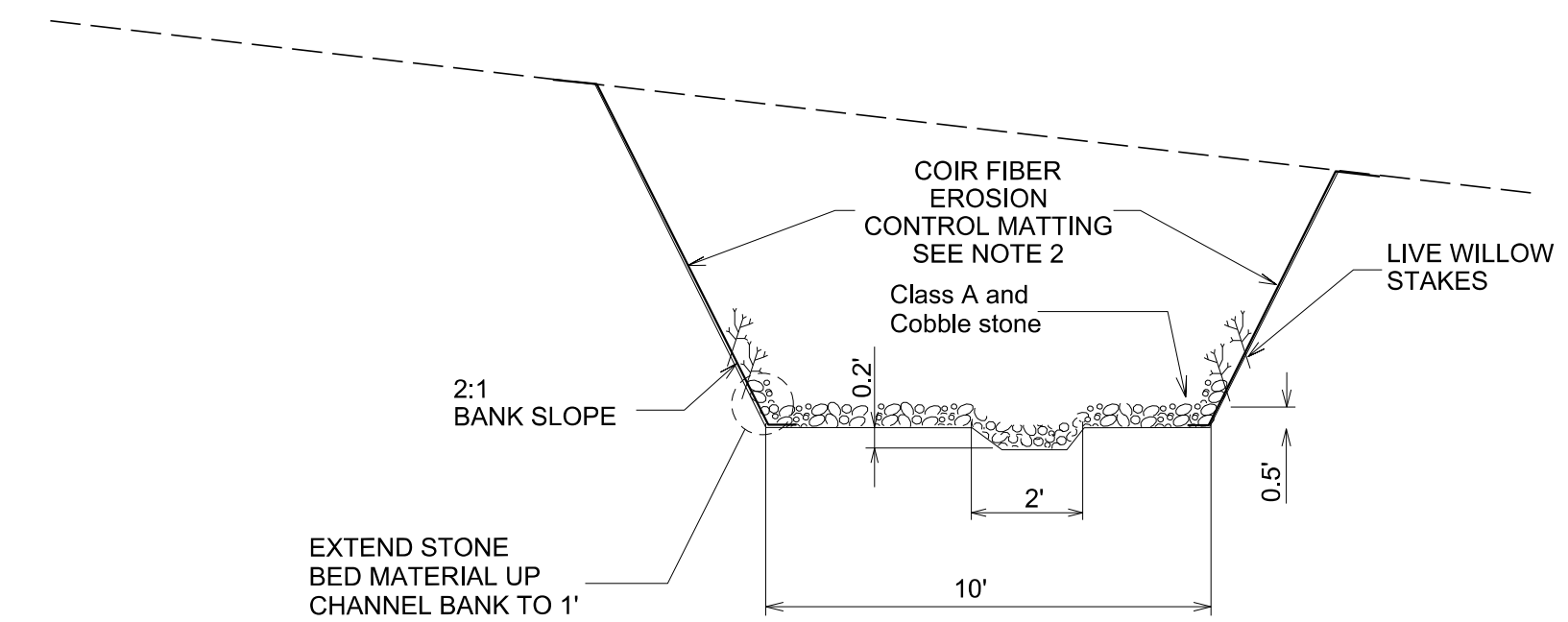
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



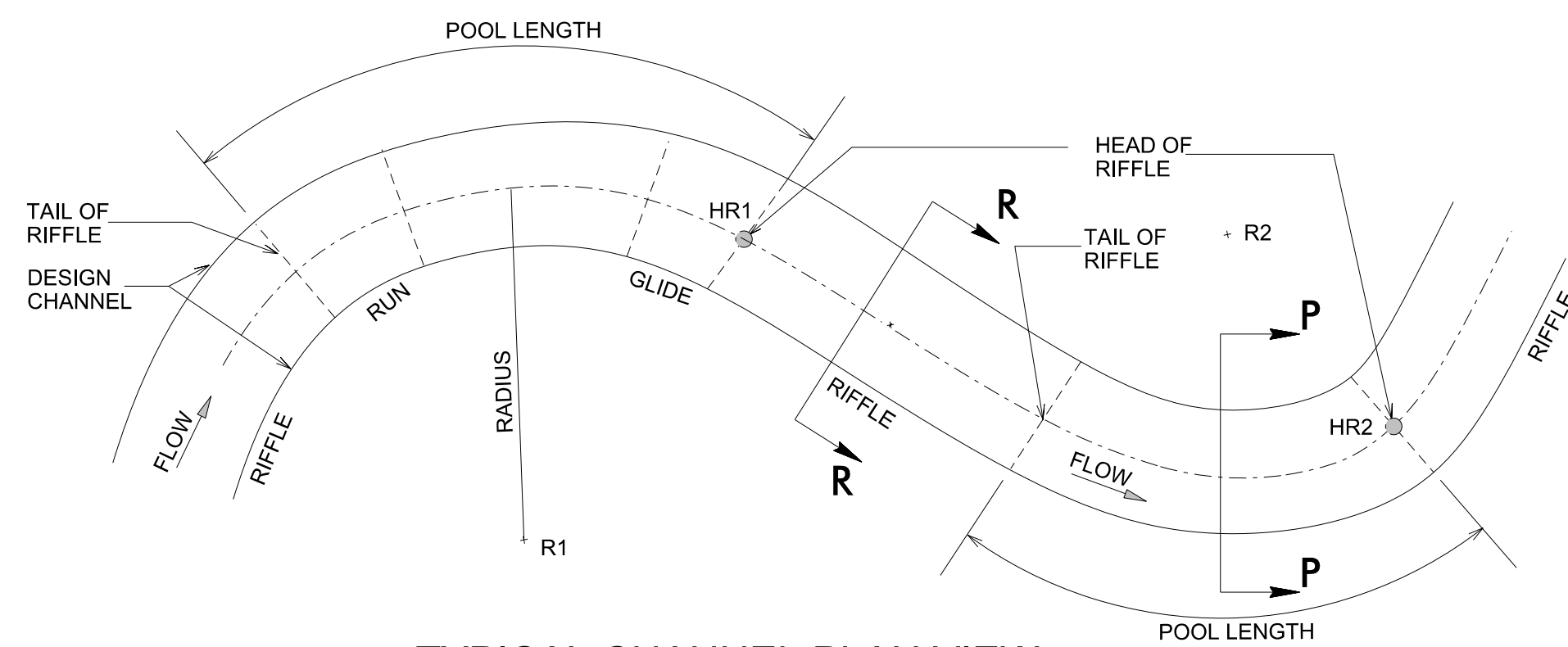
TYPICAL CHANNEL PROFILE

NOTES:

1. POOL-TO-POOL SPACING IS MEASURED FROM CENTER OF POOL BEND TO CENTER OF POOL BEND.



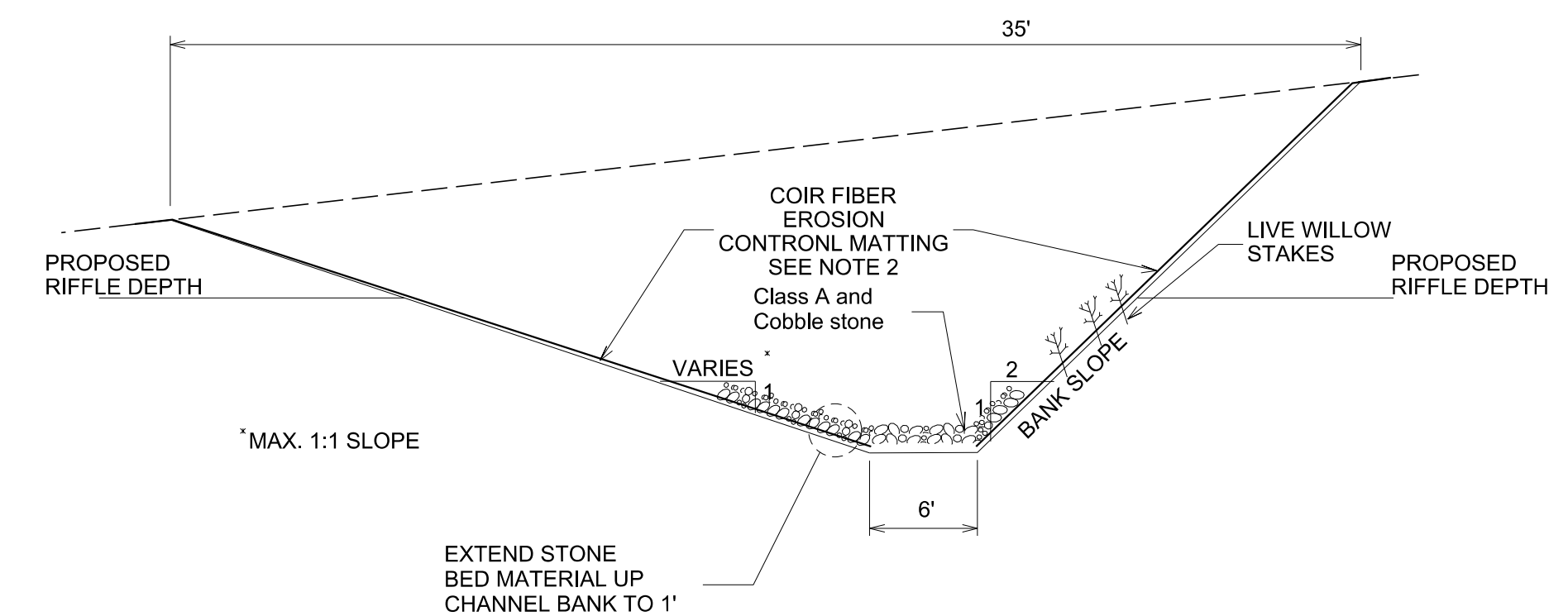
TYPICAL RIFFLE CROSS-SECTION (R-R)



TYPICAL CHANNEL PLAN VIEW

CHANNEL PLAN VIEW NOTES:

1. THE CONTRACTOR SHALL LAYOUT THE CHANNEL ALIGNMENT BY LOCATING THE RADII AND SCRIBING THE CENTER LINE FOR EACH POOL BEND. THE CONNECTING TANGENT SECTIONS SHALL COMPLETE THE LAYOUT OF THE CHANNEL.
2. FIELD ADJUSTMENTS OF THE ALIGNMENT MAY BE REQUIRED TO SAVE TREES OR AVOID OBSTACLES. THE STAKE-OUT SHALL BE APPROVED BY THE CONSTRUCTION MANAGER BEFORE CONSTRUCTION OF THE CHANNEL.



TYPICAL POOL CROSS-SECTION (P-P)

CHANNEL CONSTRUCTION NOTES:

1. MATERIAL EXCAVATED FROM CHANNEL AND FLOODPLAIN SHALL BE USED TO BACKFILL EXISTING CHANNEL.
2. BANK PROTECTION SHALL CONSIST OF MEDIUM WEIGHT WOVEN COIR FIBER MATTING, AND PLACED TO THE TOP OF BANK. (SEE DETAIL COIR FIBER MATTING, SHEET STRM 07A)
3. THE CONTRACTOR SHALL SUPPLY NATURAL BED MATERIAL FOR THE ENTIRE BED LENGTH OF EACH RIFFLE AND POOL SECTION. NATURAL BED MATERIAL SHALL CONSIST OF COBBLE-SIZED (2"-6") MATERIAL MIXED WITH GRAVEL-SIZED (0.6"-1.0") MATERIAL AND CLASS "B"-SIZED (5"-12") MATERIAL, OR AN EQUIVALENT MIX OF MATERIAL.