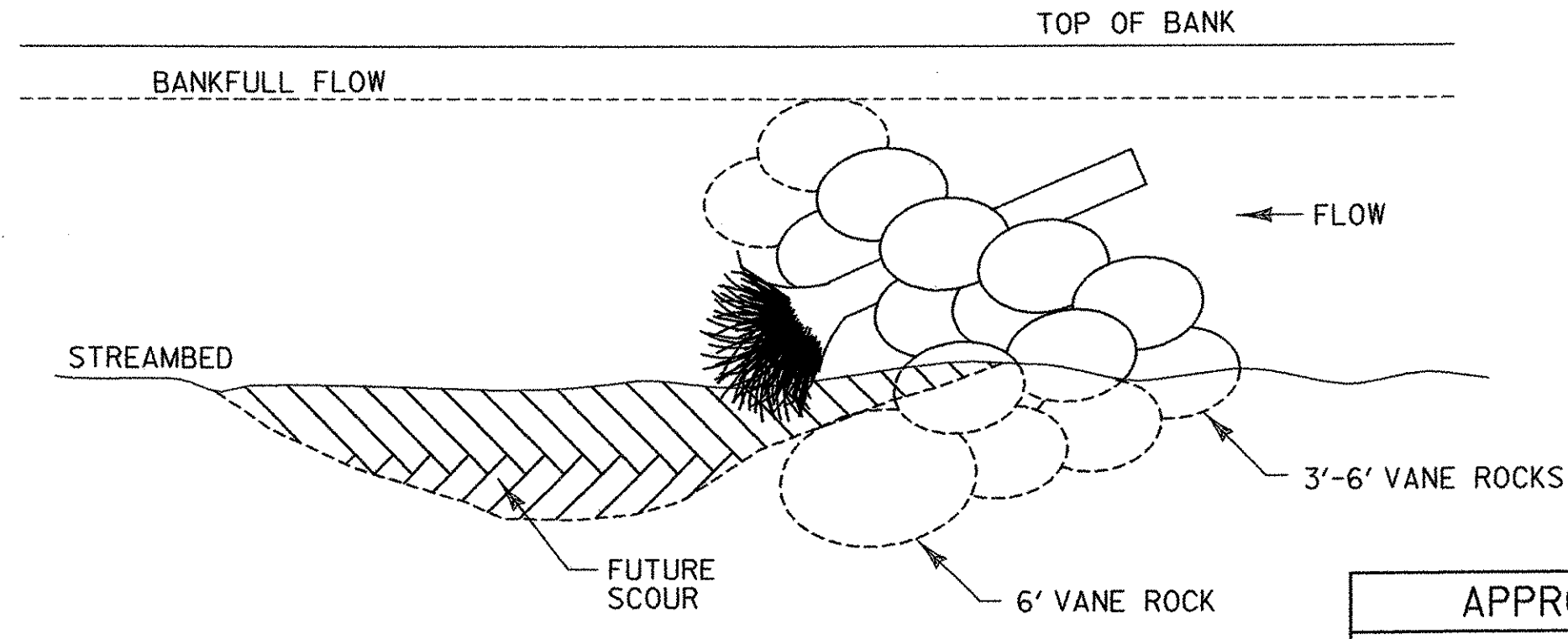
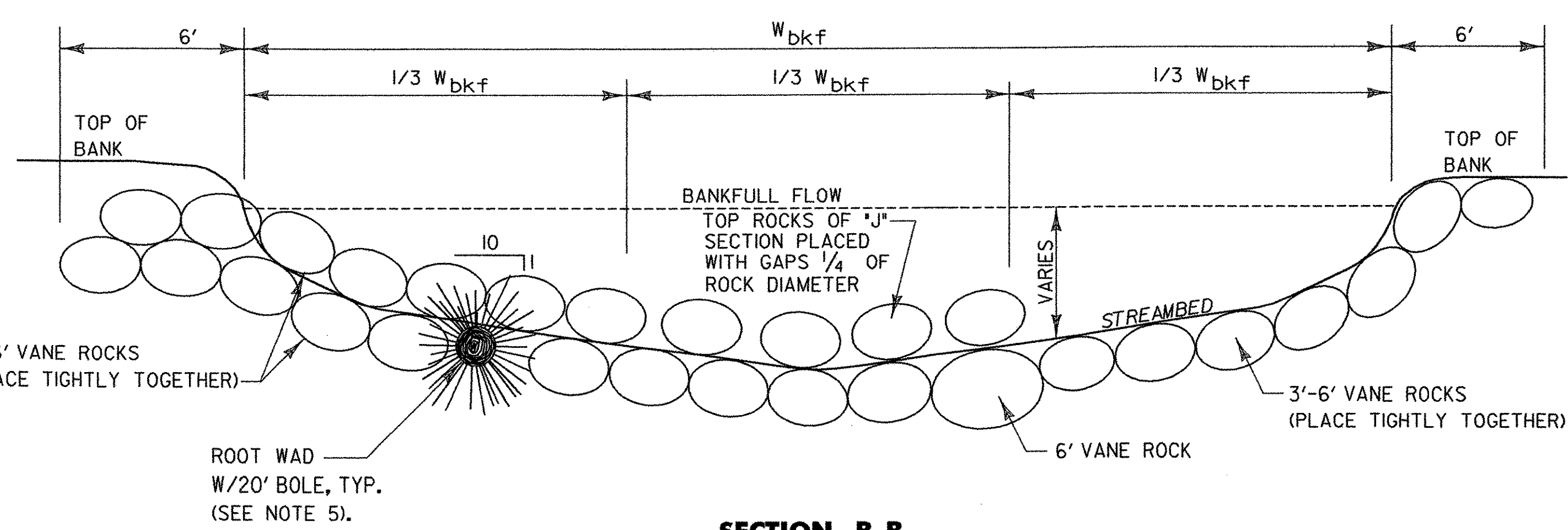


PLAN



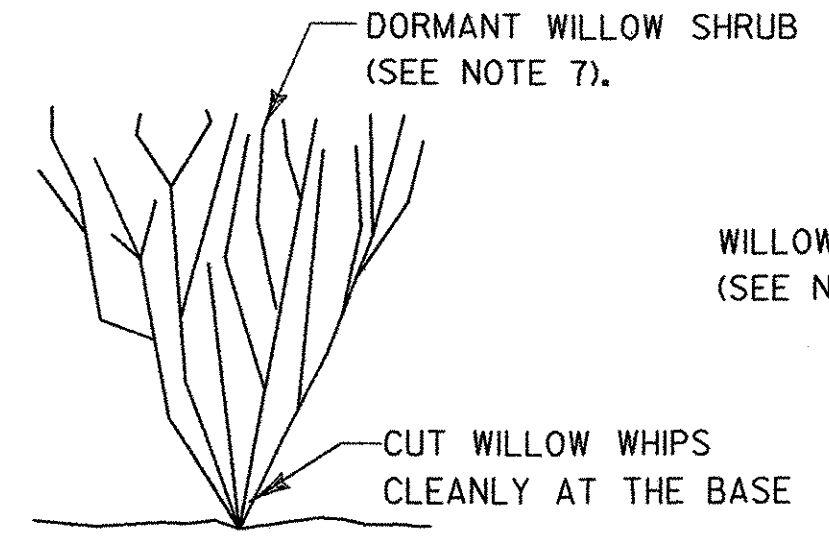
SECTION A-A



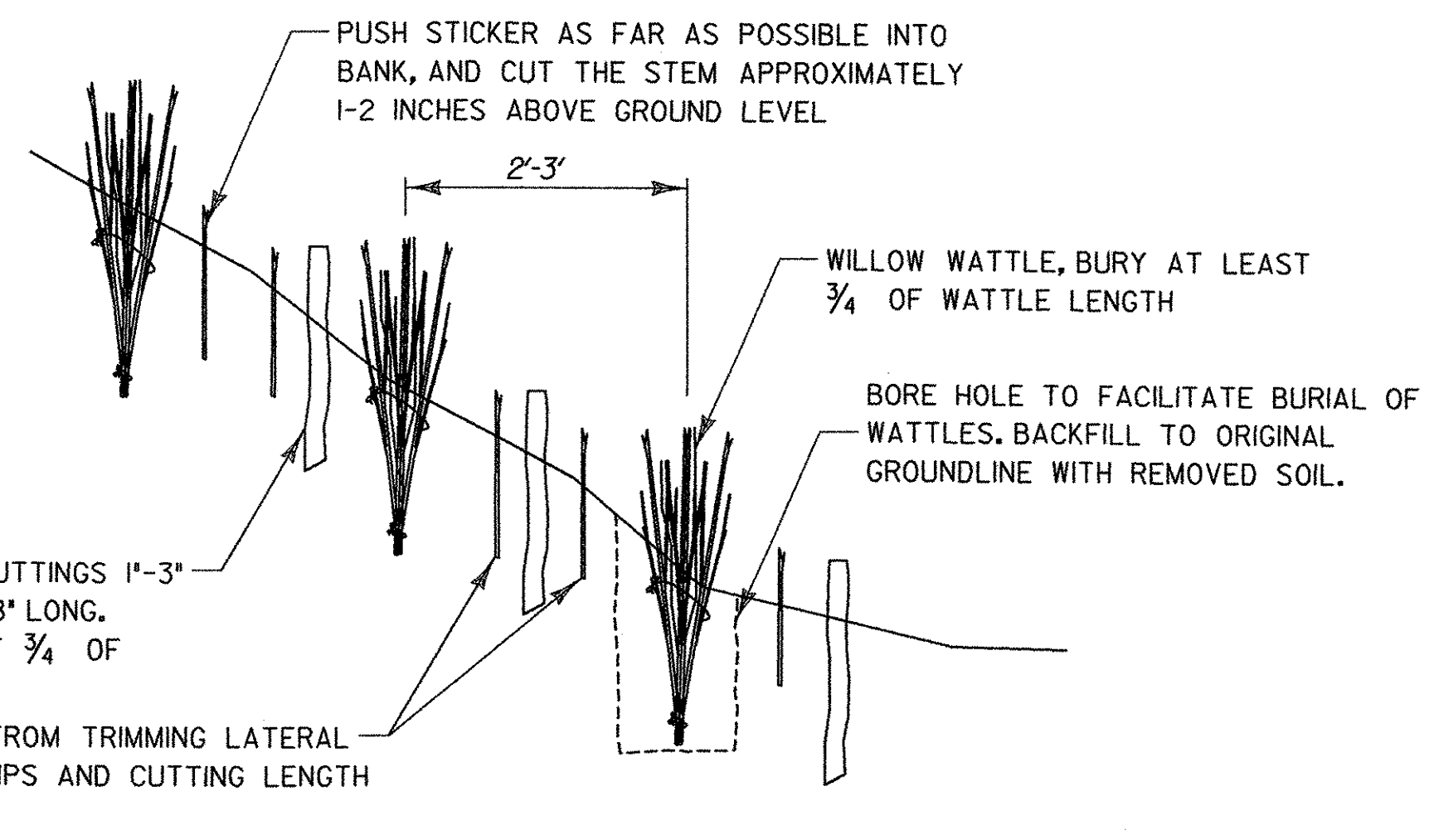
SECTION B-B

J VANE
N.T.S.

APPROXIMATE QUANTITIES	
J VANE	
ROOT WAD WITH BOLE	1EA
5/16" GALVANIZED WIRE ROPE	10 LF
DUCKBILL ANCHOR	1EA
STONE FILL, TYPE IV (MOD.)	258 CY
UNCLASSIFIED CHANNEL EXCAVATION	157 CY
STONE FILL, TYPE I	7 CY



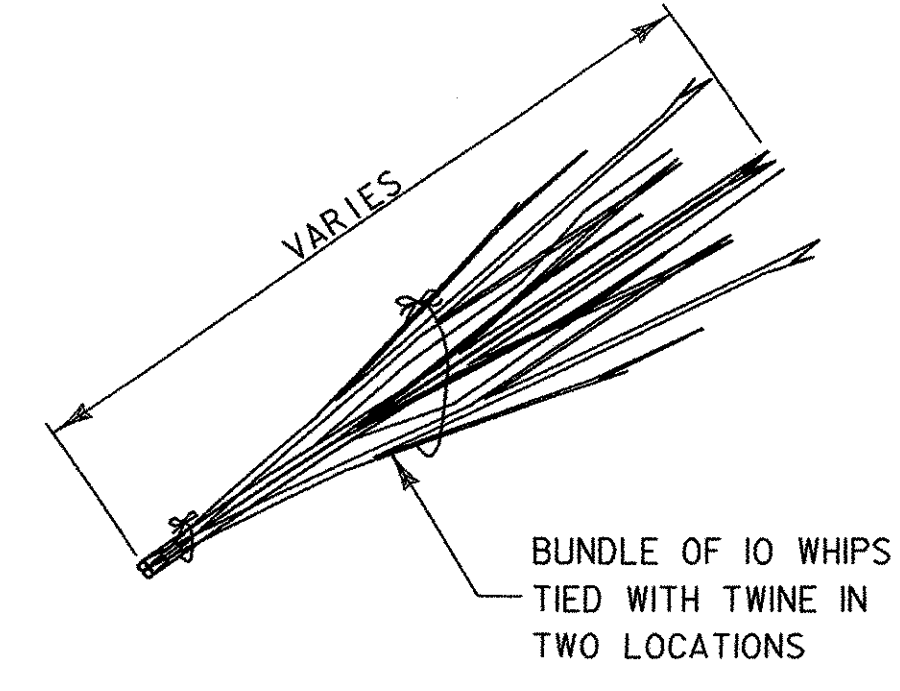
WHIP
N.T.S.



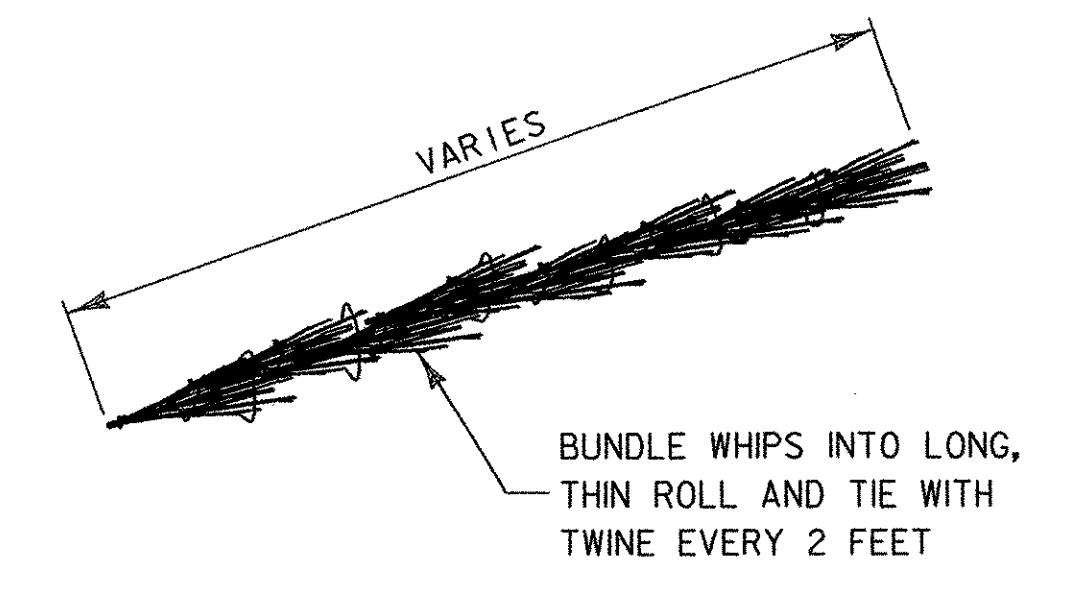
LIVE STAKES, STICKERS AND WATTLES
N.T.S.

NOTES:

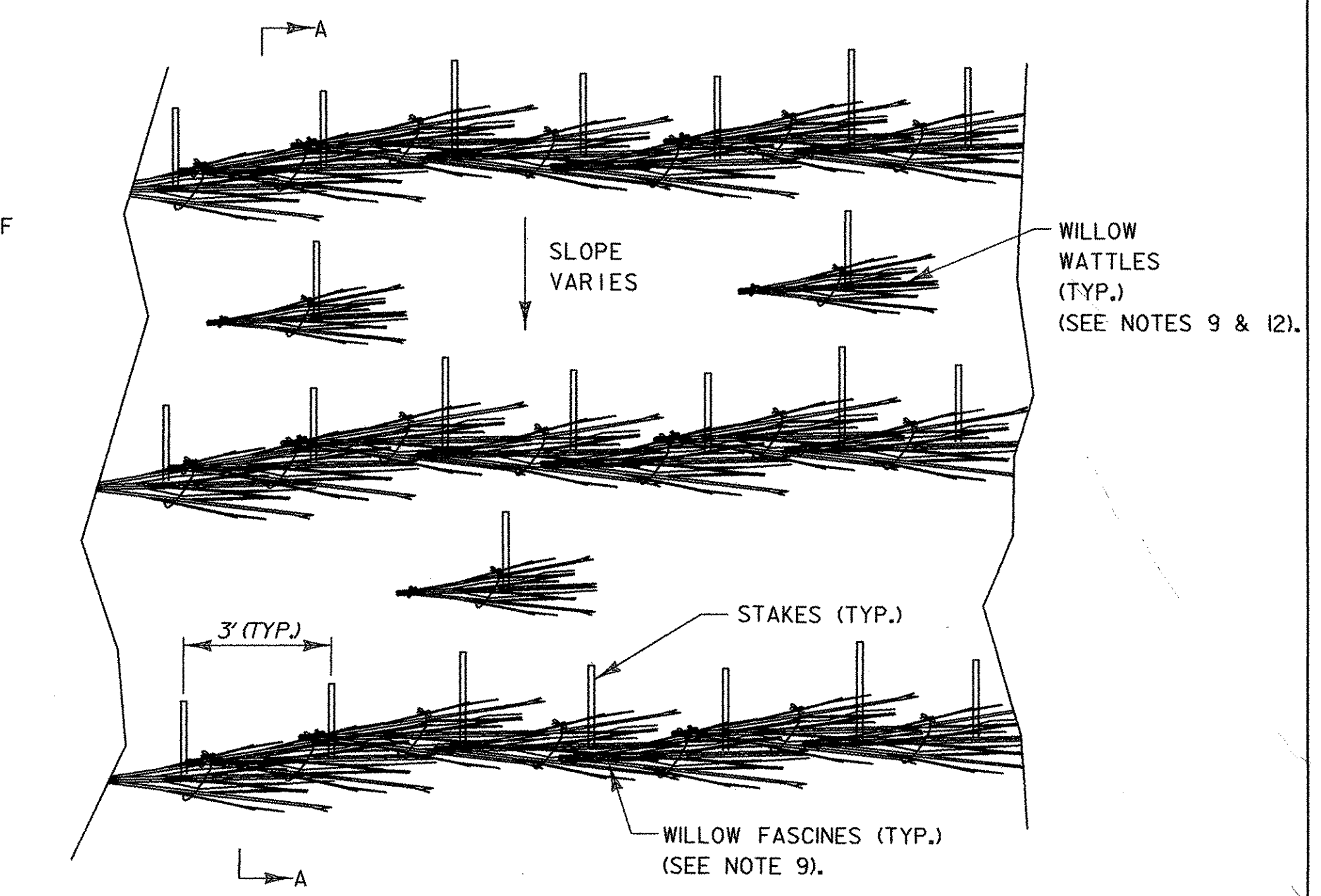
- FOR BANKFULL WIDTH AND OTHER DESIGN CRITERIA, SEE TITLE SHEET.
- FOR DESIGN BANKFULL ELEVATIONS SEE, PROFILE SHEETS.
- FOR LOCATIONS OF STRUCTURES, SEE PLAN SHEETS.
- VANE ROCKS AND WEIR ROCKS SHALL BE CLASSIFIED AS STONE FILL, TYPE IV (MOD.) AND SHALL MEET THE FOLLOWING SIZE REQUIREMENTS:
- NO DIMENSION CAN BE < 3 FEET
- AT LEAST 2 DIMENSIONS MUST BE > 4 FEET
- AT LEAST 1 DIMENSION MUST BE > 5 FEET
- ROOT WADS SHALL HAVE A MINIMUM FAN DIAMETER OF 6'.
- CHINK BEHIND ROCK VANES AND ROCK WEIRS WITH TYPE I STONE TO INHIBIT PIPING OF SEDIMENT THROUGH THE STRUCTURES. USE 6-8 CY TYPE I STONE PER STRUCTURE. (TYP.)
- BOTH ROOTED NURSERY STOCK AND DORMANT CUTTINGS SHALL BE STORED IN A COOL AND MOIST ENVIRONMENT.
- WILLOW WHIPS USED IN CONSTRUCTION OF WATTLES, AND FASCINES SHALL BE CUT THE DAY OF INSTALLATION TO ENSURE FRESHNESS.
- FASCINES AND WATTLES PLACED ADJACENT TO FLOW SHALL HAVE BUTT ENDS POINTED UPSTREAM.
- WHEN PLACING LIVE STAKES, MAKE A PILOT HOLE TO AVOID HAVING TO FORCE STAKES INTO GROUND AND RISK DAMAGING OR SPLITTING THE ENDS. CARE SHOULD BE TAKEN TO MAKE SURE BUDS ARE FACING UP.
- LIVE STAKES AND STICKERS SHALL BE SOAKED IN WATER FOR A MINIMUM OF 2 HOURS PRIOR TO INSTALLATION. CUT STEMS MAY BE USED FOR LIVE STAKES AND STICKERS ON THE ENSUING DAY AFTER OVERNIGHT SOAKING.
- WATTLES USED IN CONJUNCTION WITH FASCINES WILL BE SPACED Laterally, AND ALONG THE SLOPE, AS DIRECTED BY THE ENGINEER.



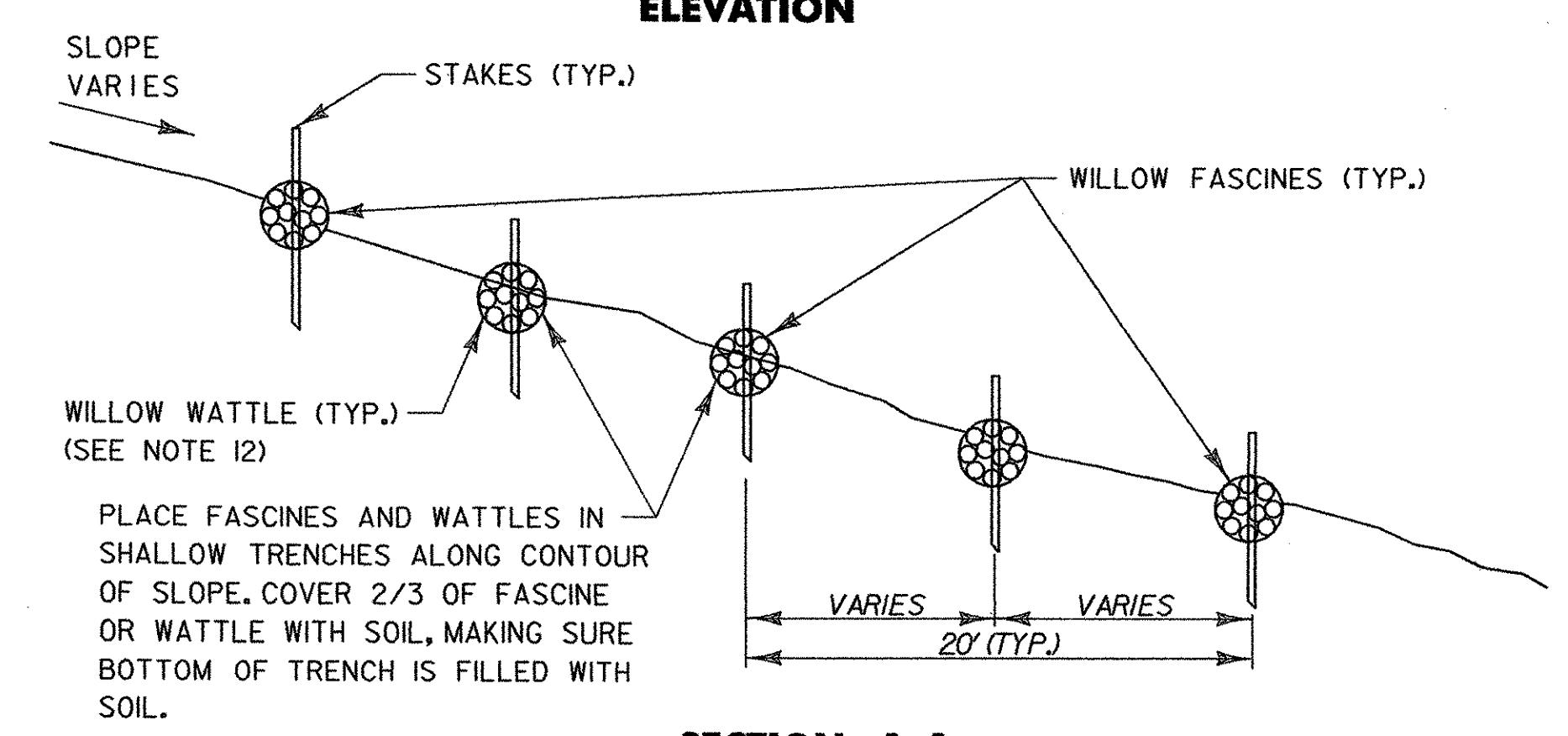
WILLOW WATTLE
N.T.S.



WILLOW FASCINE
N.T.S.



ELEVATION



SECTION A-A
WILLOW FASCINE AND WATTLE INSTALLATION
N.T.S.

	PROJECT NAME: TROUT RIVER RESTORATION
	PROJECT NUMBER: BRF-RS 0283(7)
	FILE NAME: zo2837frm.dgn
	PROJECT LEADER: GAE
DESIGNED BY: SAR	PLOT DATE: 08/26/2003
MISC. DETAIL SHEET 4	DRAWN BY: MBL
	CHECKED BY: WCH
	SHEET 120 OF 140