

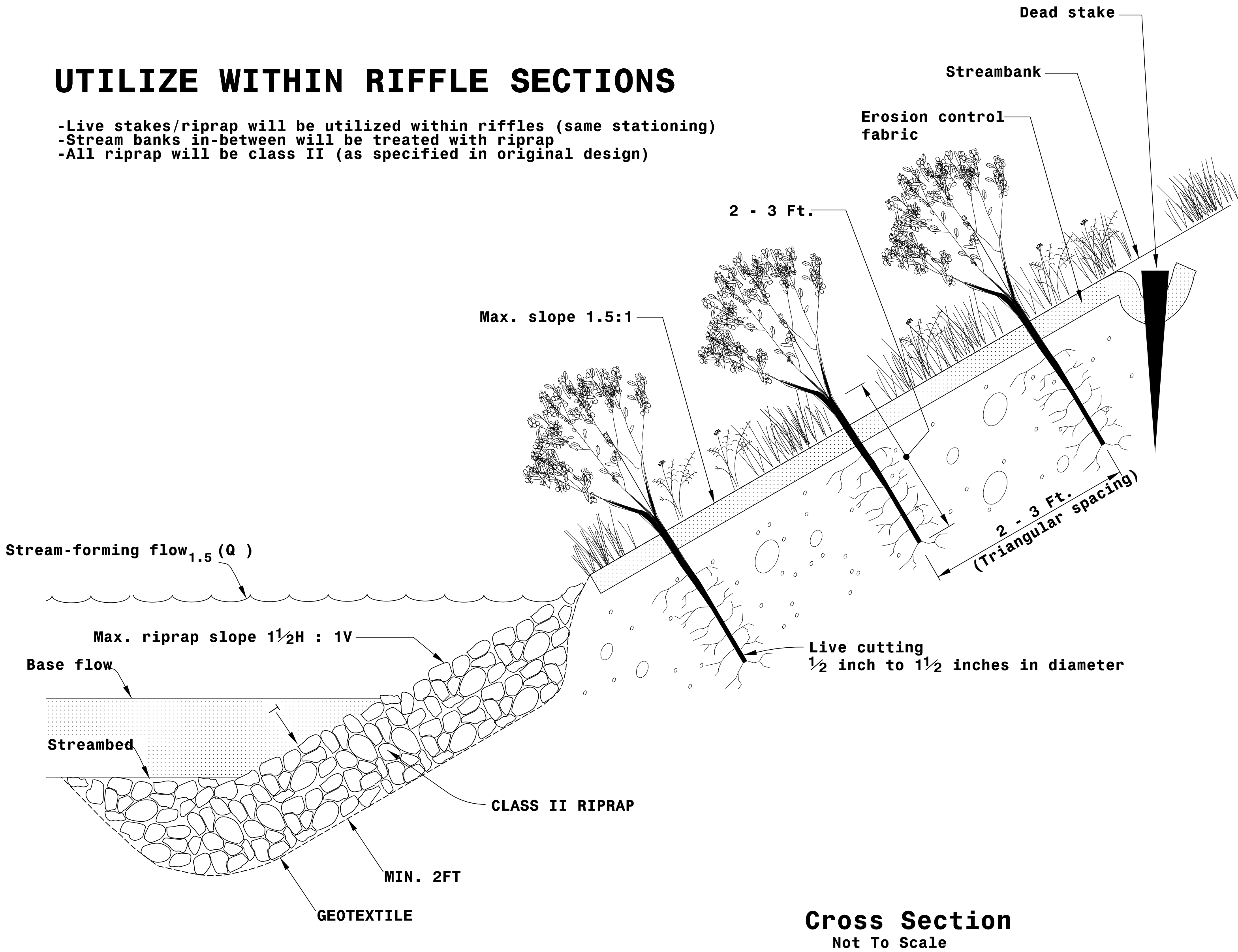
8/17/99

8/18/2025
B:\Projects\NPS\RI93_RDY_PSH_2B-5.dgn
Eric Martin

LIVE STAKE

UTILIZE WITHIN RIFFLE SECTIONS

- Live stakes/riprap will be utilized within riffles (same stationing)
- Stream banks in-between will be treated with riprap
- All riprap will be class II (as specified in original design)



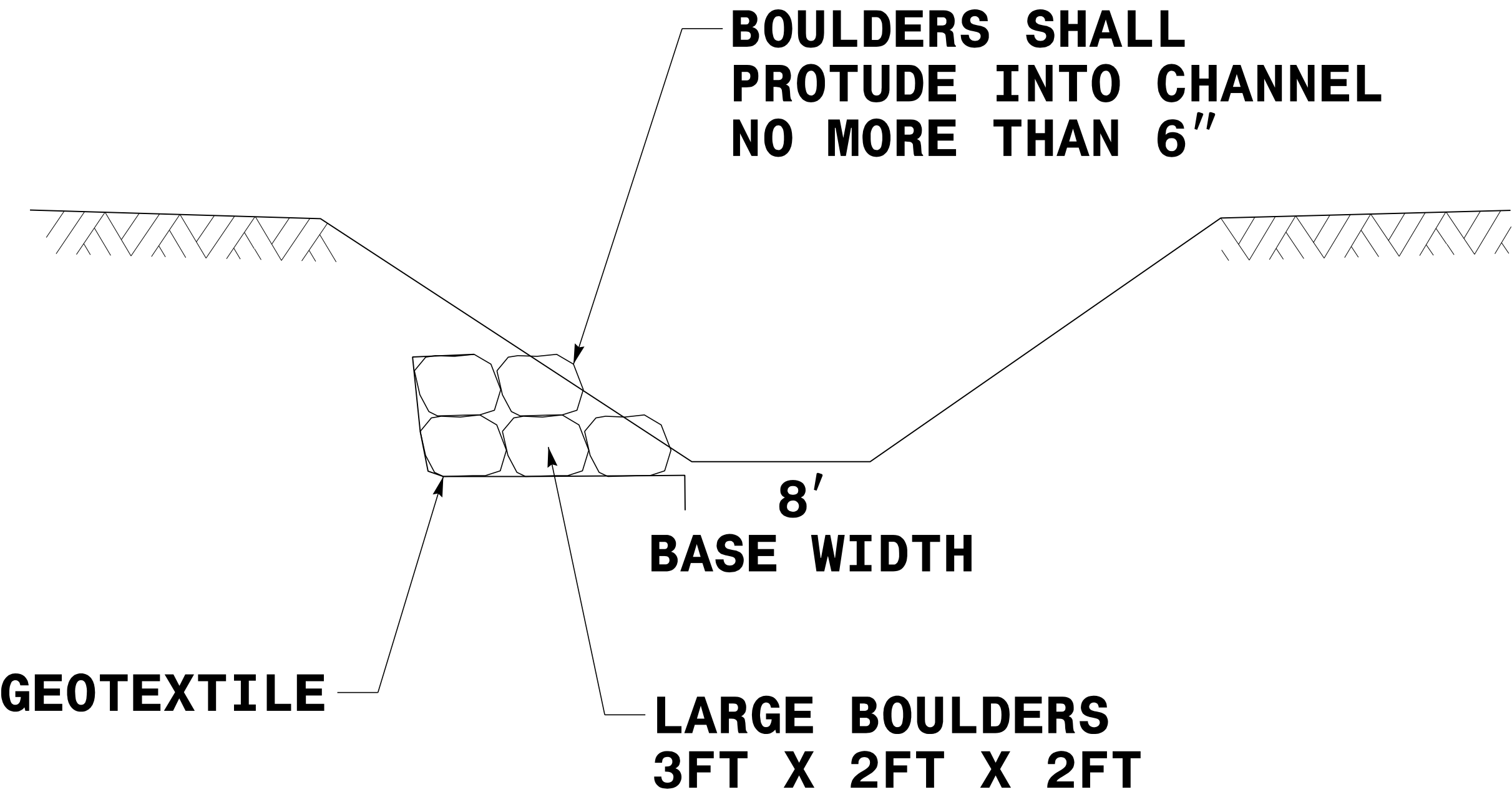
Notes:

1. Rooted/leafed condition of the living plant material is not representative of the time of installation.
2. This drawing is concept only. All applications must be engineered to meet site conditions.
3. Adapted from USDA, NRCS, Engineering Field Handbook, chapter 16.
4. Matting shall consist of Native willow or Dogwood species (including Black Willow - Salix nigra and Dogwood - Cornus sericea). Cuttings shall be harvested and installed when dormant.
5. Total length of cuttings: 8-10 ft, with 2/3 buried.

QUANTITIES:
600 SY - LIVE STAKING
600 SY - COIR FIBER MAT

PROJECT REFERENCE NO.	SHEET NO.
BP14.R006	2B-5
RW SHEET NO.	
	HYDRAULICS ENGINEER
	10/9/2025
<div>10/9/2025</div> <div><div>SEAL</div><div>029984</div><div>DAVID P. BOCKER</div><div>ENGINEER</div></div>	
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<div>N V 5</div> <div>NV5 ENGINEERS & CONSULTANTS, INC. 3300 REGENCY PARKWAY, SUITE 100 CARY, NC 27518 P: 919.851.1912 www.NV5.com NC License # F-1333</div>	

BOULDER TOE PROTECTION



NOTE:

UPPER BOULDER TOE: -STREAM- STA. 11+07 TO 11+18
LOWER BOULDER TOE: -STREAM- STA. 11+85 TO 11+96

QUANTITIES:
50 TONS - BOULDERS