

**UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE**

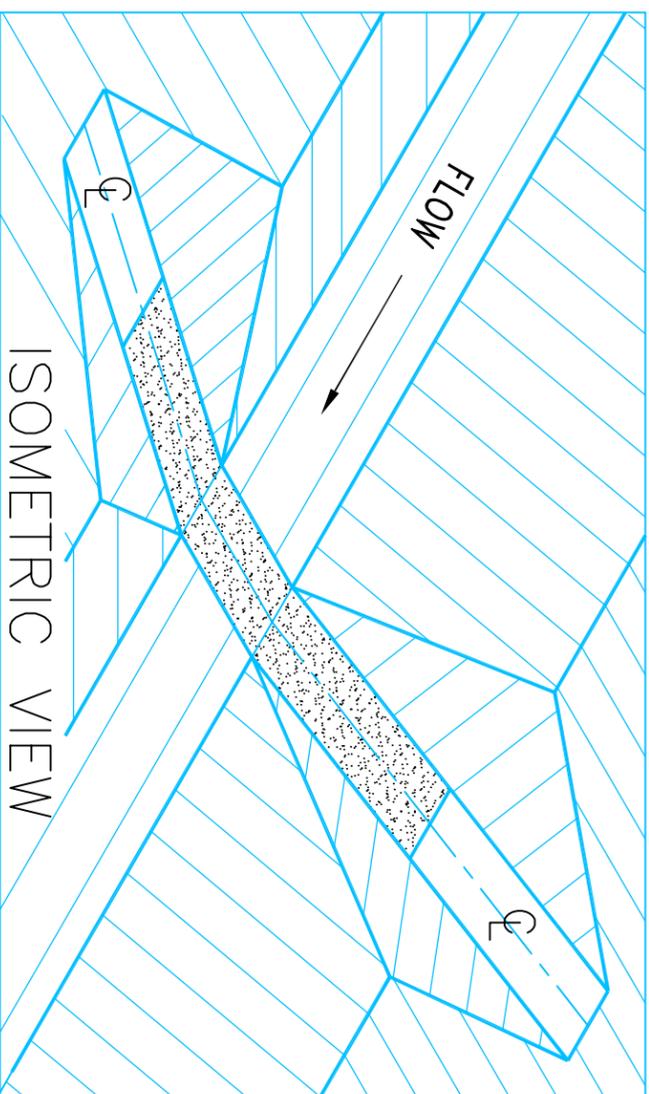
GEORGIA STANDARD DRAWINGS - FORD TYPE STREAM CROSSING

The following drawings were prepared in accordance with Practice Code 578 - Stream Crossing. These plans may be used for a rock lined, ford type stream crossing.

STREAM CROSSING
COUNTY, GEORGIA

INDEX TO DRAWINGS:

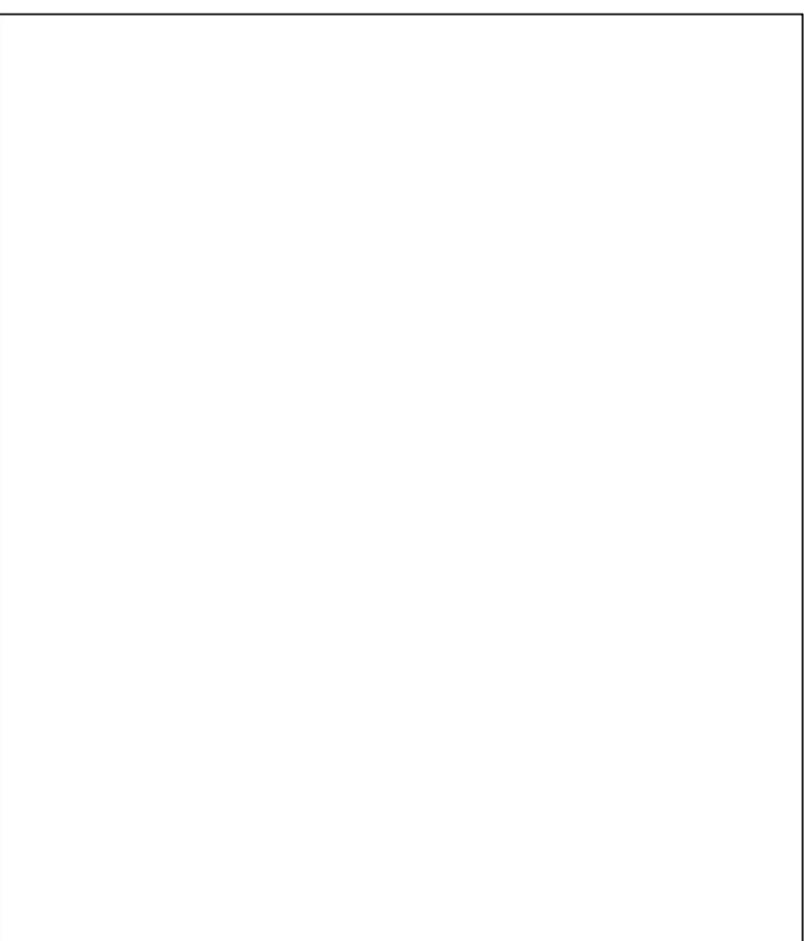
- SHEET 1 - COVER SHEET
- SHEET 2 - PLAN AND NOTES
- SHEET 3 - SECTION AND DETAILS



CERTIFICATION:

THE _____ STREAM CROSSING(S) WILL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING DRAWINGS AND PRACTICE CODE 578. ANY MODIFICATIONS HAVE BEEN APPROVED BY AN ENGINEER WITH JOB APPROVAL AUTHORITY LEVEL IV OR GREATER.

OWNER _____	DATE _____	NRCS REPRESENTATIVE _____	DATE _____	NRCS ENGINEER _____	DATE _____
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VICINITY MAP

The Natural Resources Conservation Service provides leadership in a partnership effort to help people conserve, maintain, and improve our natural resources and environment.

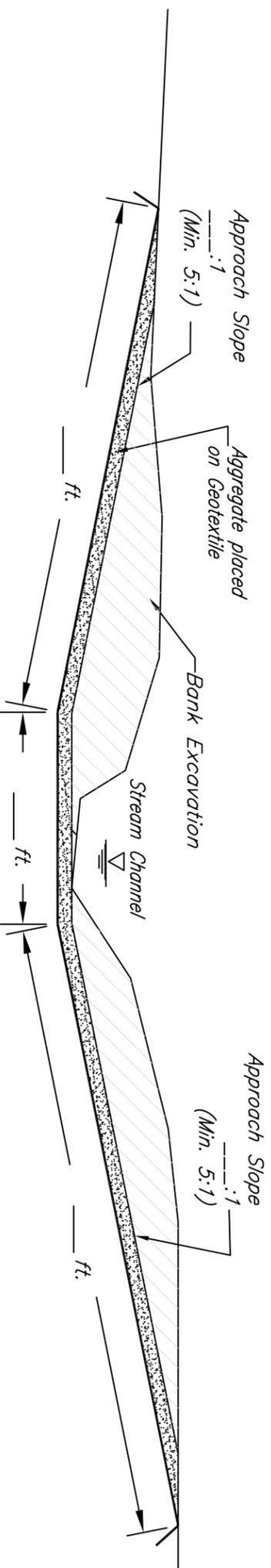
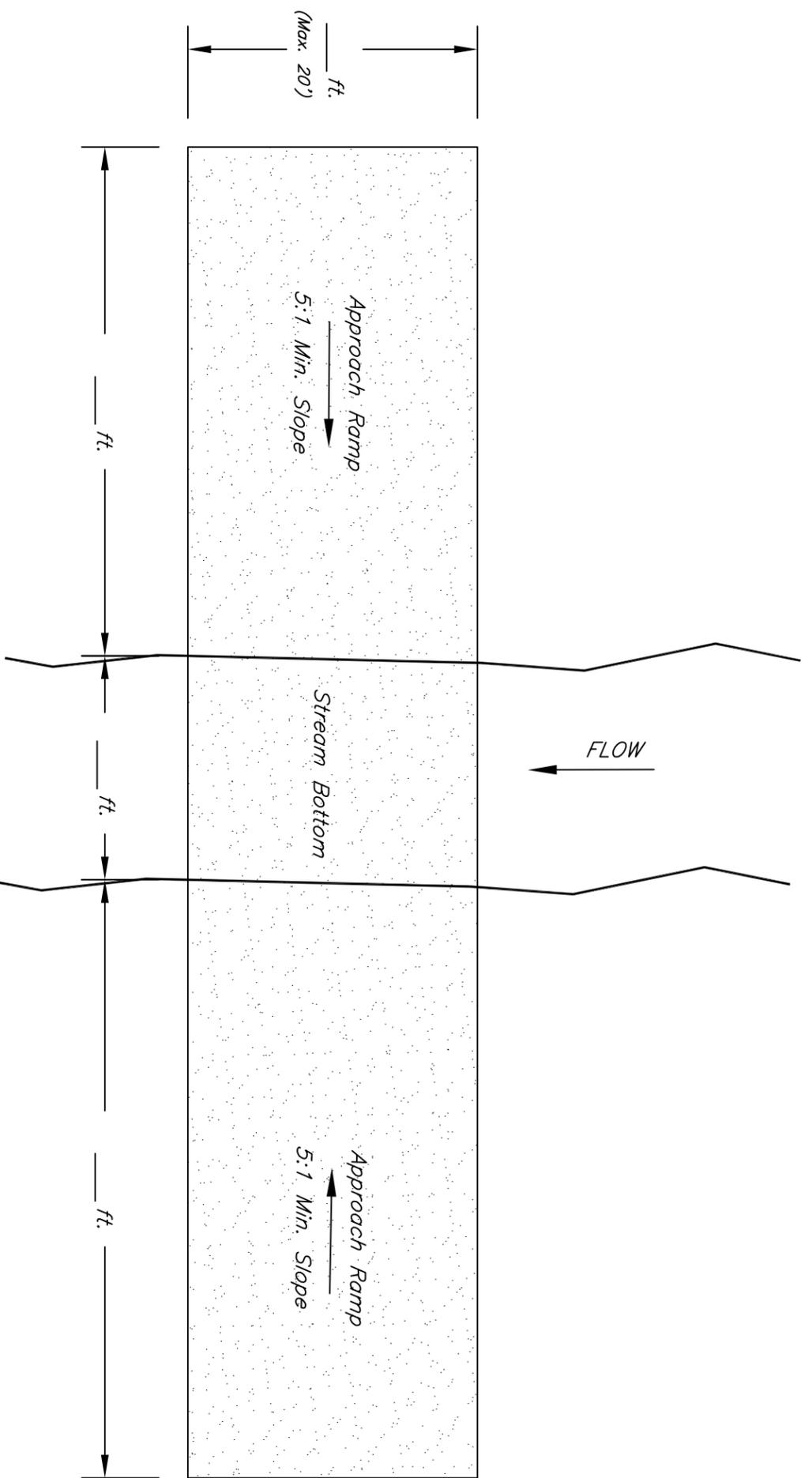
Designed	_____	Date	_____
Drawn	S KEITH B KIMSEY		04/06
Checked	H MCFARLAND D ROBERTS		04/06
Approved	_____		_____

**GEORGIA STANDARD DRAWING
STREAM CROSSING - FORD**



DATE	APPROVED	TITLE
07/14/06 10:00	GAB FORD	

File Name
go-eng-578-sec1.pdf
Drawing Name
GAB FORD
07/14/06 10:00
Sheet 1 of 4



STREAM CROSSING # _____
Not to Scale

NOTES:

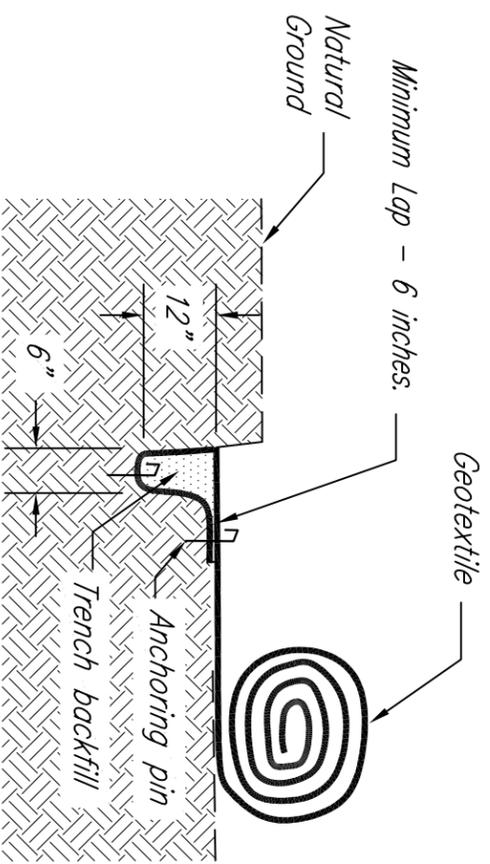
1. All stream crossings shall follow Georgia NRCS Conservation Practice Standard 578 - Stream Crossing.
2. Crossings shall be installed perpendicular to the direction of flow in the stream.
3. Toe Trenches shall be installed around the entire ramp. The trench shall be a minimum of six inches wide and one foot deep.
4. The final grade of the crossing shall be no higher than the original stream bottom.
5. All geotextile shall be a woven or non-woven needle punched fabric, with a minimum tensile strength of 180 lbs.
6. Multi-use crossings shall be no less than 10 feet and no more than 20 wide in the upstream to downstream direction. Cattle only crossings may be as narrow as 6 feet.
7. Ford crossings are recommended for streambanks less than 5 feet high.
8. Geotextile on stream crossings shall be anchored with pins (see typical pin detail).
9. The longitudinal ends of the geotextile fabric shall be lapped back over the top of the backfill toe trench a minimum of one foot beyond the edge of the trench and be anchored to the fabric using anchoring pins placed on 3 foot centers.
10. Any geotextile overlap made by multiple pieces shall be a minimum of 18 inches with anchoring pins installed on 3 foot centers, 6 inches from the downstream edge of the lap. Pins shall penetrate both sections of fabric in the lap.
11. Stream crossings must remain stable during a bankfull event or the 10-yr, 24-hr storm, whichever is greater. Rock size shall be based on design storm velocities (see GA-CPS 578).
12. Rock crossings for livestock may require a hoof contact zone placed over the surfacing stone.
13. Rock sizes vary by quarry. Contact local quarries to ensure proper size and availability. All disturbed areas shall be vegetated by requirements set forth in GA-CPS 342-Critical Area Treatment.
15. Fencing shall be installed in accordance with GA-CPS 382-Fence.

		Date
Designed	S KEITH B KIMSEY	04/06
Drawn	H MCFARLAND D ROBERTS	04/06
Checked		
Approved		

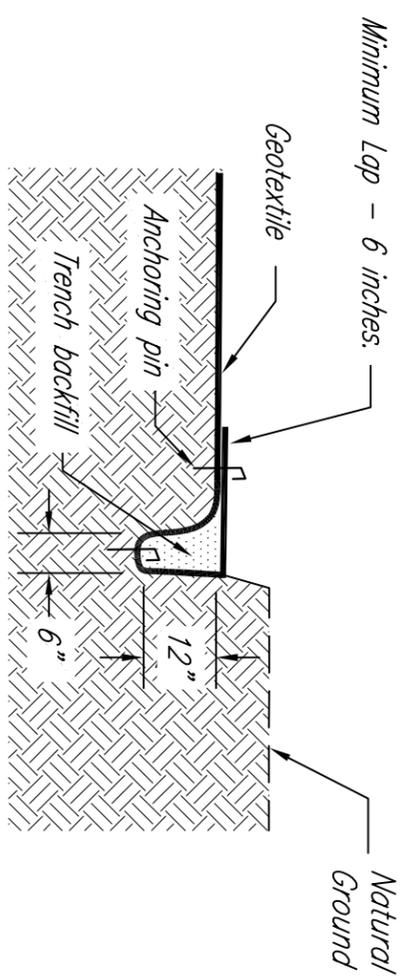
GEORGIA STANDARD DRAWING STREAM CROSSING - FORD



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Drawing Name	GAB FORD	
DATE	APPROVED	TITLE
07/14/06 10:00		
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TYPICAL DETAIL – INITIAL
ANCHOR TRENCH
Not to Scale

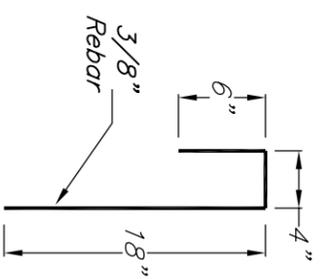


TYPICAL DETAIL – TERMINAL
AND EDGE ANCHOR TRENCH
Not to Scale

NOTE: ALL EDGES OF GEOTEXTILE SHALL BE ANCHORED BY AN APPROVED METHOD. THE TYPICAL TRENCH DETAILS ARE EXAMPLES OF APPROVED TRENCHING METHODS.

QUANTITY ESTIMATE

SITE PREPARATION	_____	JOB
STABILIZING STONE	_____	TONS
HOOF CONTACT MATERIAL	_____	TONS
SURFACING MATERIAL	_____	TONS
GEOTEXTILE	_____	SQ. FT.
VEGETATION	_____	SQ. FT.



TYPICAL ANCHORING PIN DETAIL
Not to Scale

Designed	_____	Date	_____
Drawn	S KEITH B KIMSEY		04/06
Checked	H MCFARLAND D ROBERTS		04/06
Approved	_____		_____

GEORGIA STANDARD DRAWING
STREAM CROSSING - FORD



File Name
go-eng-578-ec1.pdf

Drawing Name
GAB FORD

DATE	APPROVED	TITLE

Revisions
04/28/06 10:00
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