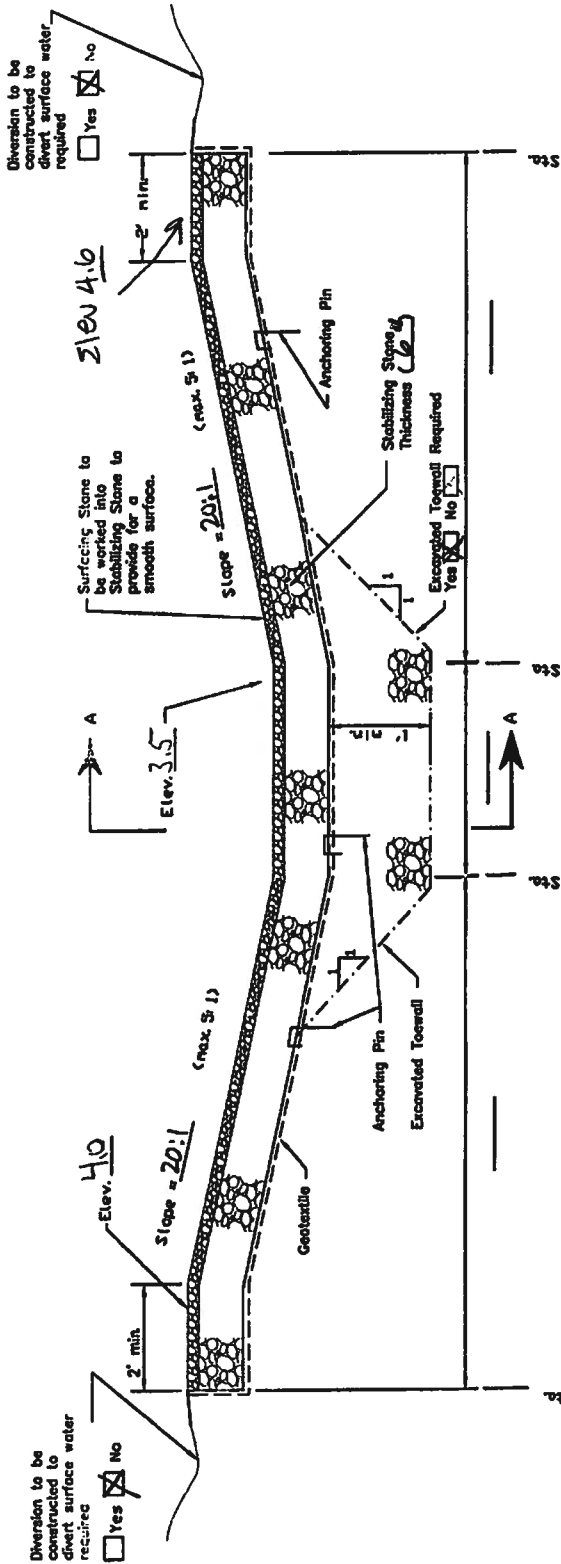


Example

DESIGN FLOW IS CHANNEL CROSS-SECTION CAPACITY



CHANNEL SECTION AT CROSSING (PERPENDICULAR TO FLOW)

Not to Scale

- Notes:
- Crossing shall be installed perpendicular to the direction of the flow of the stream.
 - The final grade of the crossing shall be no higher than the original stream bottom.
 - All Geotextile shall be woven or non-woven needle punched fabric, with a minimum tensile strength of 180 lbs, a minimum Mullen Burst test of 320 psi, and a minimum puncture test of 80 psi.
 - Geotextile on stream crossings shall be anchored with pins (see typical detail sheet 4).
 - Multi-use crossing shall be no less than 10 feet and no more than 20 feet wide in the upstream-downstream direction. Cattle only crossing may be as narrow as 6 feet.
 - Rock crossings for livestock may require a hoof contact zone placed over the surfacing stone.
 - 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-CFS 342 - Critical Area Planting.
 - Install fencing when required to limit cattle access to the stream.
 - Fencing shall be installed in accordance with GA-CFS 382 - Fence.
 - Use "breakaway" fence, cut and loosely attached wire or electrified chain across the stream.
 - Show changes during construction in red. "As Built" to document construction check.
 - Construct diversion(s) when required N/A ft. high N/A ft./ft. grade to a stable outlet.

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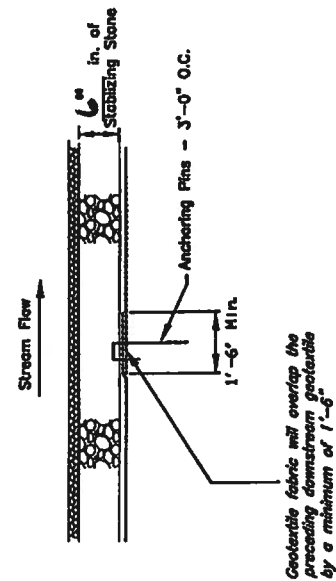
Designed: S. BLACKSTON
 Drawn: 9/19/11
 Checked: 8-18
 Approved: 9/19/11

GEORGIA STANDARD DRAWINGS
 STREAM CROSSING
 CHANNEL CROSS-SECTION CAPACITY SHEET
 Dove Bluff
 Land Owner: CAMDEN
 County: Georgia

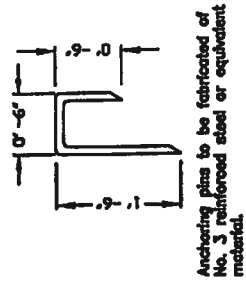


File No. CHANNEL
 Drawing No. GA-ENC-578-A
 2/23/2009
 Sheet 2 of 5

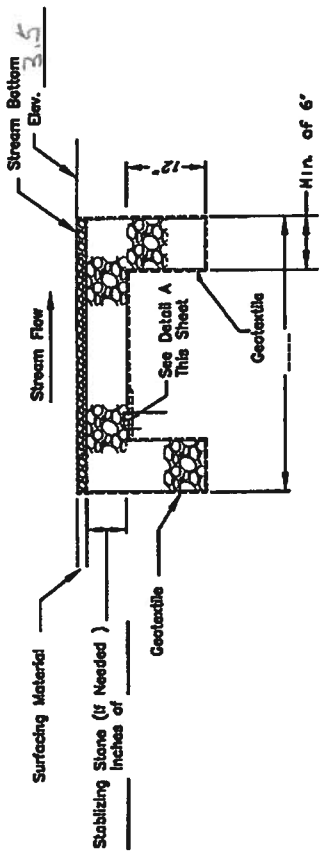
Example



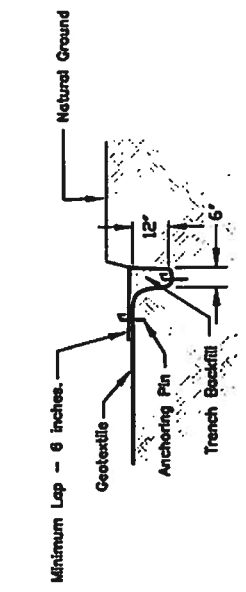
DETAIL A - GEOTEXTILE OVERLAP
Not To Scale



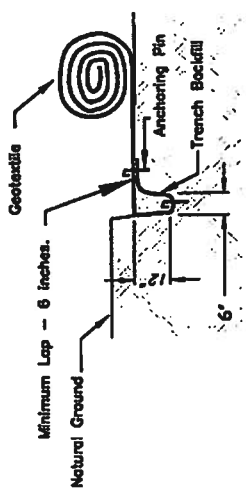
ANCHORING PIN DETAIL
Not To Scale



SECTION A - A (Parallel to Flow)
Not To Scale



TYPICAL DETAIL TERMINAL AND EDGE ANCHOR TRENCH
Not To Scale



TYPICAL DETAIL INITIAL 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.

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| | | | |
|-----|----------|------------------------------------|----|
| 1 | 08/15/18 | NOTES, CLARIFICATION, DIGITAL SIGN | LR |
| 2 | 01/07/19 | ADD STATIONS | LR |
| NO. | DATE | DESCRIPTION | BY |

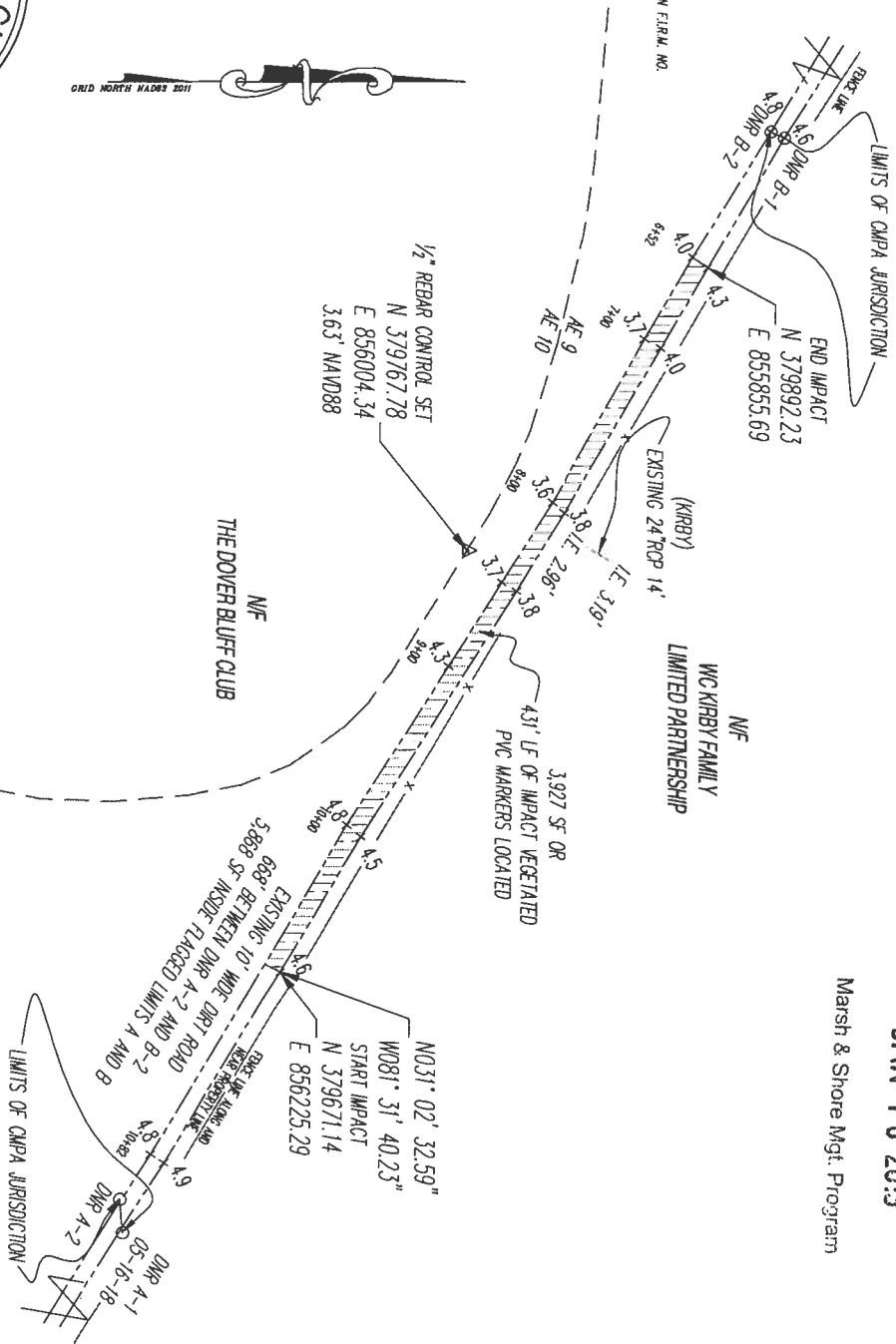
GA DNR

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Marsh & Shore Mgt. Program

REMARKS
 SURVEY TO LOCATE EXISTING DIRT ROAD, AREA OF IMPACT, AND DNR FLAGS.
 DNR FLAGS LABELED 05-16-2018 AND FIELD LOCATED BY THIS FIRM.
 HERBY-DUL, RECONSTRUCTION CONSULTING, GPS USING CORS NETWORK,
 GE000 2012A, ON EAST MARCH 2011 NAVD83, THE ONLY FLAGS WERE A-1,2
 B-1,2 AS SHOWN HEREON.

FLOOD NOTE
 THIS PROPERTY IS SHOWN TO BE IN FLOOD HAZARD ZONE AE 9 AS SHOWN ON FIRM, NO. 1303900167C, DATED DECEMBER 21, 2017.



WETLANDS SHOWN ON THIS PLAN IF ANY ARE UNDER THE JURISDICTION OF THE US ARMY CORP OF ENGINEERS, OWNERS MAY BE SUBJECT TO PENALTY BY LAW FOR DISTURBANCE TO THESE WETLAND AREAS WITHOUT PROPER AUTHORIZATION.



- IF = IRON PIN FOUND
- IP5 = IRON PIN SET (1/2\"/>



SPECIFIC PURPOSE SURVEY FOR:
DOVER BLUFF CLUB
 TAX PARCEL 153 001
 33rd G.M.D.,
 CAMDEN COUNTY,
 GEORGIA

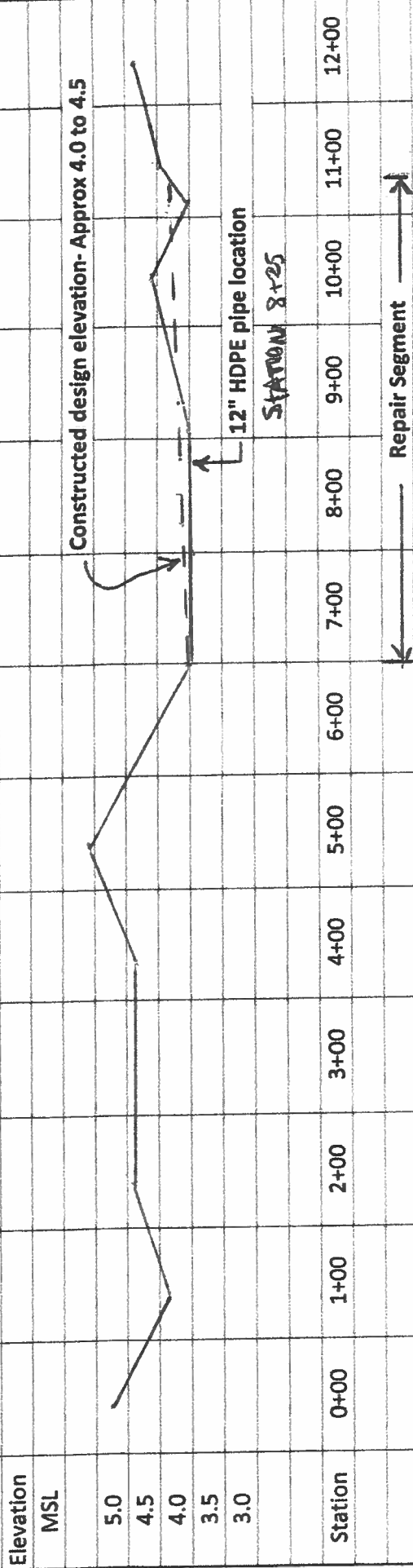


THOMAS ROBERTSON ASSOCIATES
 81 TRACE CHAIN ROAD
 WOODBINE, GA 31569
 (912) 673-9493
 WWW.ALRA.NET GALSFP90 FLLB8013

| | |
|------------------|-----------|
| SHEET | 1 |
| of | 1 |
| SHEETS | 1 |
| HORIZONTAL SCALE | 1" = 100' |
| SURVEY DATE | 08/15/18 |
| DWG. DATE | 08/03/18 |
| DWG. BY | LR |
| PROJ. MGR. | LR |
| COR. NO. 1 | LR |
| COR. NO. 2 | LR |
| COR. NO. 3 | LR |
| COR. NO. 4 | LR |
| COR. NO. 5 | LR |
| COR. NO. 6 | LR |
| COR. NO. 7 | LR |
| COR. NO. 8 | LR |
| COR. NO. 9 | LR |
| COR. NO. 10 | LR |
| COR. NO. 11 | LR |
| COR. NO. 12 | LR |
| COR. NO. 13 | LR |
| COR. NO. 14 | LR |
| COR. NO. 15 | LR |
| COR. NO. 16 | LR |
| COR. NO. 17 | LR |
| COR. NO. 18 | LR |
| COR. NO. 19 | LR |
| COR. NO. 20 | LR |
| COR. NO. 21 | LR |
| COR. NO. 22 | LR |
| COR. NO. 23 | LR |
| COR. NO. 24 | LR |
| COR. NO. 25 | LR |
| COR. NO. 26 | LR |
| COR. NO. 27 | LR |
| COR. NO. 28 | LR |
| COR. NO. 29 | LR |
| COR. NO. 30 | LR |

Dover Bluff Club Access Road Improvement

Profile of the natural ground elevations at all stations surveyed. Repair segment is defined below



The ordinary high water mark is approximately equal to elevation 4.5

This is the profile of the existing natural ground from the adjacent property owner's pipe going toward the repair segment and marsh.

| | | | | |
|------------------|------|------|------|------|
| Station | 0+00 | 0+25 | 0+40 | 0+55 |
| Elevation | 2.96 | 3.8 | 3.7 | 3.3 |
| Pipe invert | | | | |
| center line road | | | | |
| marsh edge | | | | |
| marsh | | | | |

GA DNR

JAN 10 2019

Marsh & Shore Mgt. Program

Digitally signed by Lee Robertson
 DN: cn=Lee Robertson, o=A. Lee Robertson IV and Associates, Inc, ou, email=lee@airt.net, c=US
 Date: 2019.09.31 07:16:51 -0400

Lee Robertson