



**US Army Corps
of Engineers**

Vicksburg District
4155 Clay Street
Vicksburg, MS 39183-3435
www.mvk.usace.army.mil



Public Notice

APPLICATION NO.:	MVK-2015-735
EVALUATOR:	Ms. Tarmiko Graham
PHONE NO.:	(601) 631-5264
FAX NO.:	(601) 631-5459
E-MAIL:	Tarmiko.V.Graham@usace.army.mil
DATE:	April 8, 2016
EXPIRATION DATE:	April 29, 2016

Interested parties are hereby notified that the U.S. Army Corps of Engineers, Vicksburg District and the Mississippi Department of Environmental Quality are considering an application for a Department of the Army Permit and State Water Quality Certification for the work described herein. Comments should be forwarded to the Vicksburg District, Attention: CEMVK-OD-F at the above address, and the Mississippi Department of Environmental Quality at Post Office Box 2261, Jackson, Mississippi 39225, and must reach these offices by the cited expiration date.

Law Requiring a Permit: Section 404 of the Clean Water Act (33 U.S.C. 1344), which applies to discharges of dredged or fill material into waters of the United States.

Name of Applicant:
Mr. Tim Clements
GT&T Farms
1 Orchard Place
Greenville, Mississippi 38701

Name of Agent:
Mr. Daniel R. Hooker
Hooker Engineering Services,
Incorporated
Post Office Box 368
Greenville, Mississippi 38701

Location of Work: Section 35, T18N-R8W, latitude 33.36381N, longitude -91.02942, within the Deer-Steele Drainage Basin (HUC 08030209), Washington County, Mississippi.

Description of Work: (See enclosed map and drawings.) The following descriptions of the proposed project and associated impacts are based upon information provided by the applicant.

The applicant is applying for a Department of the Army permit for the mechanized land clearing and associated discharge of dredged and/or fill material into jurisdictional wetlands for agricultural purposes. The applicant purposes to (1) relocate a drainage ditch to make existing fields more conducive for mechanized agricultural activities and (2) increase height of water impoundment in the vicinity benefiting irrigation to agricultural crops produced by nearby fields.

The existing drainage ditch meanders through GT & T Farms agricultural field and discharges into the road side ditch along the north side of VFW Road which then empties into Main Canal. GT & T Farms proposes to relocate the ditch east into Main Canal.

Approximately 2,700 linear feet of a drainage ditch would be permanently filled using excavated material from a new rerouted channel. The new rerouted channel would be approximately 1,230 linear feet, with a 6.0-foot bottom width and 2:1 side slopes with riprap protection from the centerline of Main Canal extending upstream approximately 50 feet. The rerouted channel would have an alternate double run of 102-inches diameter, 12-gauge polymer coated, and a corrugated metal culvert or arch for transporting agricultural equipment to have access to both fields. Riprap would be placed onto the existing riprap chevron weir to increase the existing design height by 1.5 feet to 105.5' NAVD88 (3.5' above channel bottom). Approximately 16,500 cubic yards of excavated material would be used in filling the existing drainage ditch.

The applicant proposes to mitigate for the unavoidable loss of wetland impacts by purchasing credits from an approved mitigation bank within the 8-digit HUC.

Upon reviewing this notice, you should write to this office to provide your opinion of the impacts this work will have on the natural and human environment, and address any mitigation you believe is necessary to offset these impacts. Other comments are welcome, but the above information will further our review of the applicant's plan as proposed. Comments of a general nature are not as helpful as those specific to the impacts of the subject project.

State Water Quality Permit: The State Pollution Control Agency must certify that the described work will comply with the State's water quality standards and effluent limitations before a Corps permit is issued.

Cultural Resources: The following is current knowledge of the presence or absence of historic properties and the effects of the proposed undertaking upon these properties: The Regulatory Archaeologist has reviewed the latest published version of the National Register of Historic Places, lists of properties determined eligible, and other sources of information. The following is current knowledge of the presence or absence of historic properties and the effects of the proposed undertaking upon these properties: An historic properties investigation has been conducted within the permit area. No sites determined eligible for or listed on the National Register of Historic Places are within the permit area or affected area.

Endangered Species: Our initial finding is that the proposed work would not affect the following endangered species nor their critical habitats: Wood stork, Least tern, Fat pocketbook, Pallid sturgeon, and Louisiana black bear.

Flood Plain: In accordance with 44 CFR Part 60 (Flood Plain Management and Use), participating communities are required to review all proposed development to determine if a flood plain development permit is required. Flood plain administrators should review the proposed development described in this public notice and apprise this office of any flood plain development permit requirements.

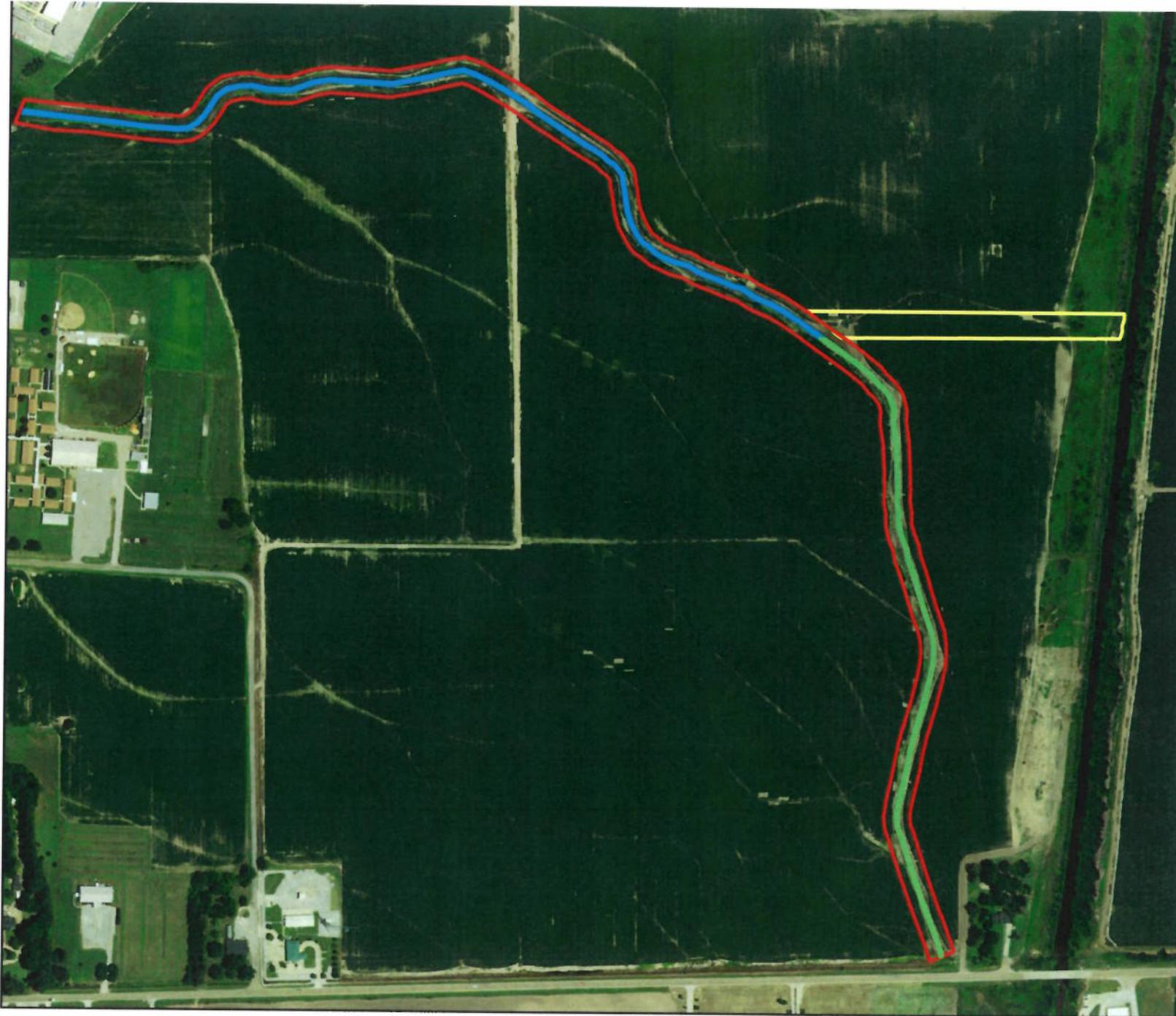
Evaluation Factors: The decision whether or not to issue a permit will be based upon an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which may be expected to accrue from the proposal must be balanced against its expected adverse effects. All factors which may be relevant to the proposal will be considered; among these are conservation, economics, aesthetics, general environmental concerns, historic values, fish and wildlife values, flood damage prevention, land use classification, navigation, recreation, water supply, water quality, energy needs, safety, food requirements and, in general, the needs and welfare of the people. Evaluation of the proposed activity will include application of the guidelines published by the Environmental Protection Agency under authority of Section 404(b) of the Clean Water Act.

Public Involvement: The purpose of this notice is to solicit comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties. These comments will be used to evaluate the impacts of this project. All comments will be considered and used to help determine whether to issue the permit, deny the permit, or issue the permit with conditions, and to help us determine the amount and type of mitigation necessary. This information will be used in our Environmental Assessment or Impact Statement. Comments are also used to determine the need for a public hearing.

Opportunity for a Public Hearing: Any person may make a written request for a public hearing to consider this permit application. This request must be submitted by the public notice expiration date and must clearly state why a hearing is necessary. Failure of any agency or individual to comment on this notice will be interpreted to mean that there is no objection to the proposed work. Please bring this announcement to the attention of anyone you know who might be interested in this matter.

Each month, the final permit actions from the preceding month are published on the Vicksburg District Regulatory web page. To access this information, you may follow the link from the Regulatory web page, <http://www.mvk.usace.army.mil/Missions/Regulatory.aspx>, and click on ORM Permit Decisions under Program Links.

Thomas A. McCabe
Thomas A. McCabe
Acting Chief, Evaluation Section
Regulatory Branch



02 March 2016
MVK-2015-735
 GT&T Farms
 Proposed Ditch Relocation Project
 Washington County, MS
**Preliminary
 Jurisdictional Determination
 Impact Map**
 Jeremy Stokes



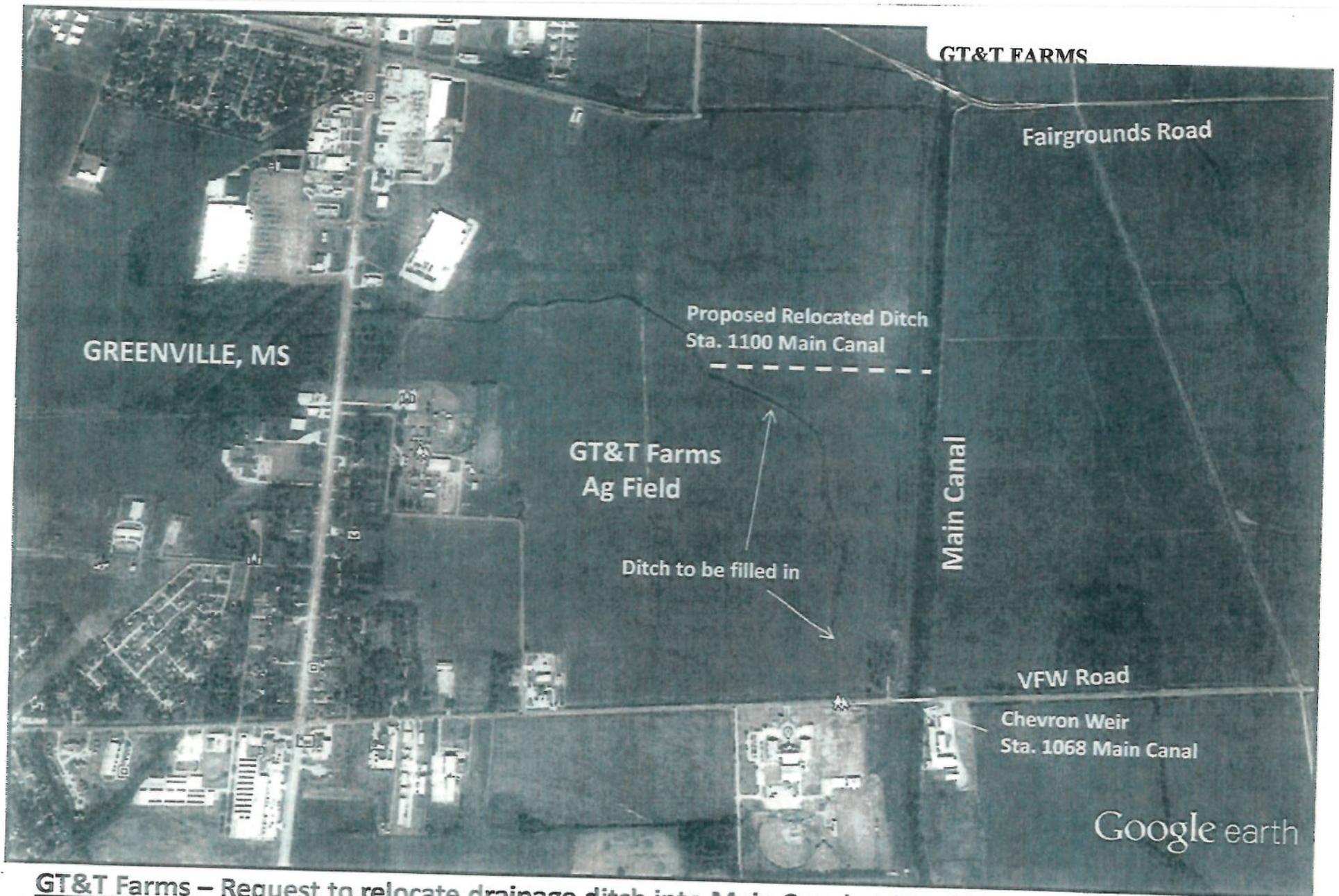
**US Army Corps
of Engineers**

Regulatory Branch
Enforcement Section

0 340 680
 Feet

- Legend**
- Ash Bayou-Not Impacted (3600')
 - Ash Bayou Filled (2700')
 - Proposed Relocation of Ash Bayou (1230')
 - Upland/PC Land

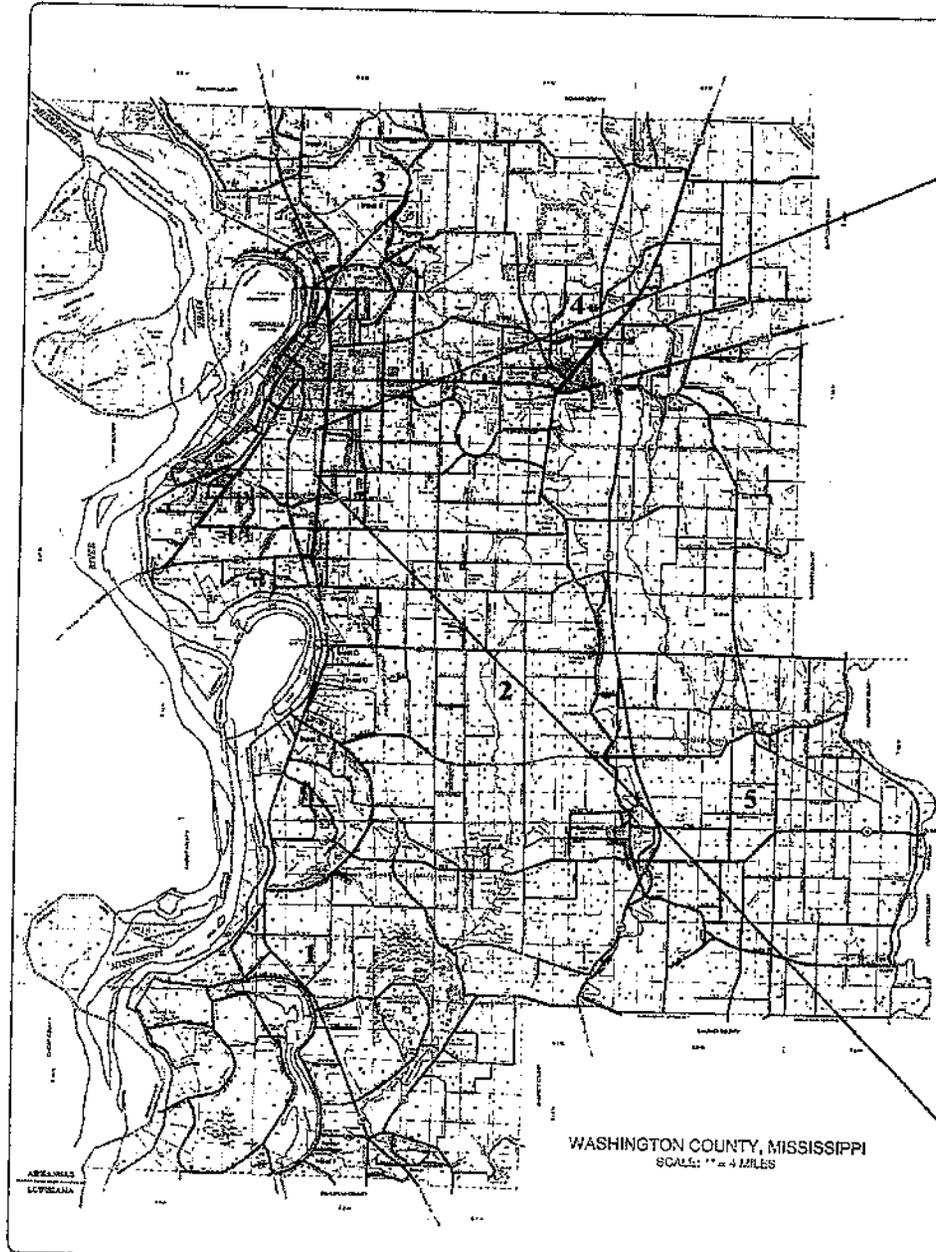
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**GT&T Farms – Request to relocate drainage ditch into Main Canal at Sta. 1100.
Request to raise height of existing Chevron Weir at VFW Road at Sta. 1068
18" for surface water for irrigation purposes for their upstream ag field.**

Sept. 24, 2015

GT&T FARMS



PROJECT LOCATION
GT&T FARMS
SECTION 35, TOWNSHIP 18N, RANGE 8W
SCALE: 1" = 1000'

NO.	DATE	REVISIONS

HOOKER ENGINEERING
services, Incorporated
Engineering | Surveying | Testing
1000 Highway 12, Grenada, MS 38901
662.430.1111

NO.	DATE	REVISIONS

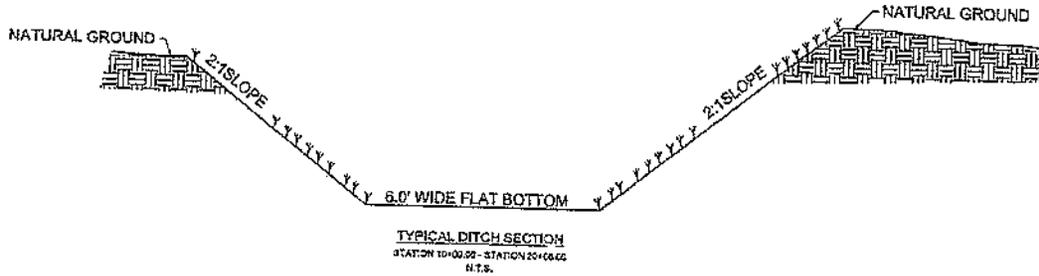
PROJECT # 1676E107 - GT&T FARMS
STORM DRAINAGE DITCH RELOCATION &
WEIR MAINTENANCE
LOCATION MAP
GREENVILLE, WASHINGTON COUNTY, MISSISSIPPI

DATE	2	9
TOTAL	2	9
SCALE	1" = 1000'	

GT&T FARMS

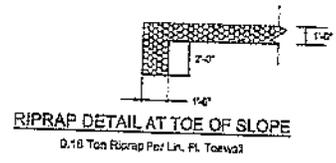
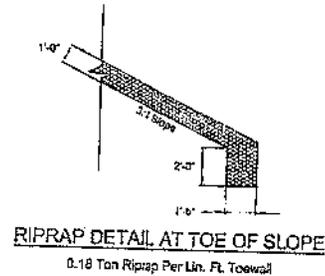
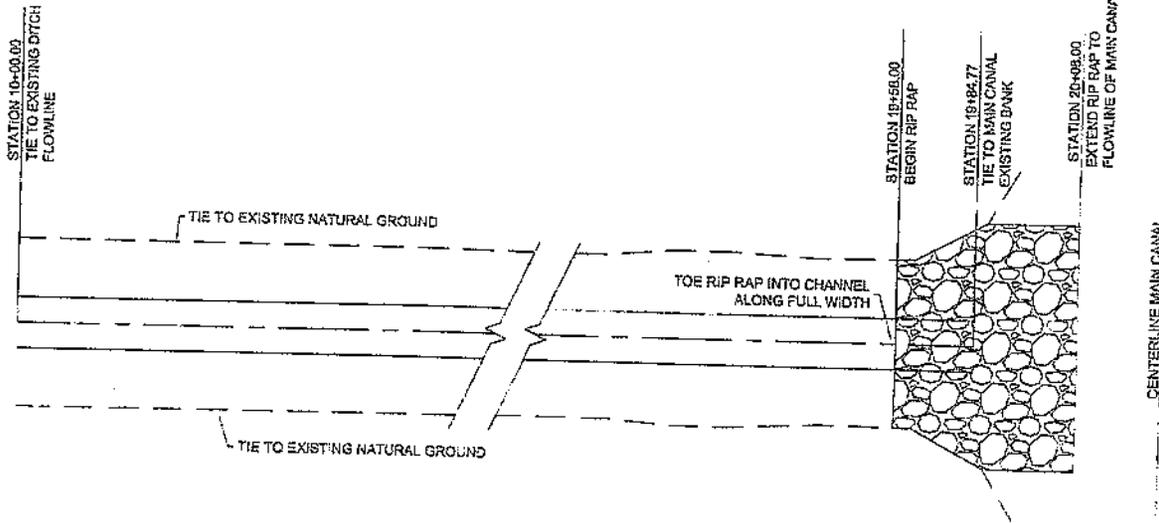
RATES OF APPLICATION USED FOR ESTIMATING QUANTITIES

ITEM	RATE
AGRICULTURE LIMESTONE	2.0 TONS / ACRE
COMMERCIAL FERTILIZER (15-10-12)	1.0 TONS / ACRE
VEGETATIVE MATERIAL FOR MULCH (MARCH 1 - NOVEMBER 15)	2.0 TONS / ACRE
VEGETATIVE MATERIAL FOR MULCH (NOVEMBER 15 - MARCH 1)	3.0 TONS / ACRE
300# RIP RAP	1200 / SQ. FT. / FT. DEPTH



DRAINAGE DESIGN DATA	
DRAINAGE AREA	A= 1,534 SQ. MI.
CHANNEL SLOPE	S= 1.0 FT. / MI.
MAIN CHANNEL LENGTH	L= 2.23 MI.
Q25=	187 CU. FT. / SEC
Q100=	203 CU. FT. / SEC
REQUIRED OPENING	37.42 SQ. FT.*
DESIGN OPENING	145.83 SQ. FT.

* BOX CULVERT AT HIGHWAY CROSSING (UPSTREAM) PROVIDES 112 SQ. FT. OPENING. FOR A CULVERT CROSSING PROVIDE A MINIMUM AREA OF 112 SQ. FT.



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BY	DATE
REVISIONS	DESCRIPTION
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PROJECT # 1578E107 - GT&T FARMS
STORM DRAINAGE DITCH RELOCATION & WEIR MAINTENANCE
TYPICAL SECTION AND DETAILS
GREENVILLE, WASHINGTON COUNTY, MISSISSIPPI

HOOKER ENGINEERING
services, incorporated
Engineering | Surveying | Testing
1000 Highway 101, Suite 101
Greenville, MS 38901
Phone: 662.335.1111 Fax: 662.335.1112
www.hookereng.com

SHEET NO. 3 OF 30

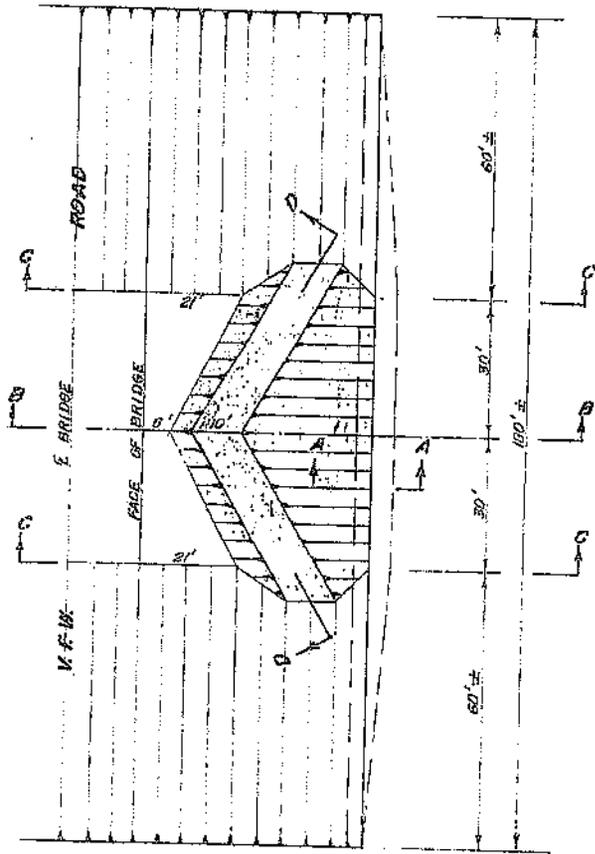
TOTAL 30 SHEETS

DATE PLOTTED: 11/13/15

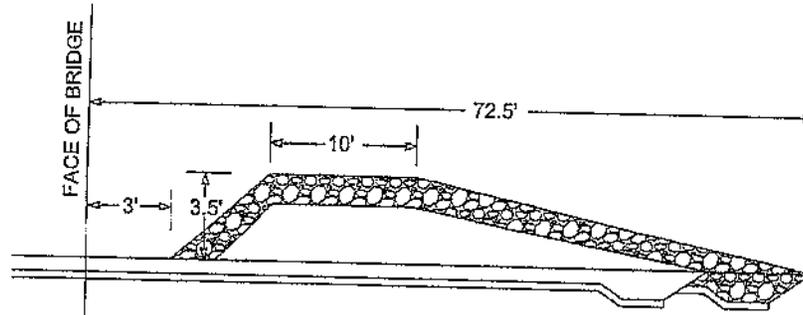
DESIGNED BY: J. W. HOOKER

CHECKED BY: J. W. HOOKER

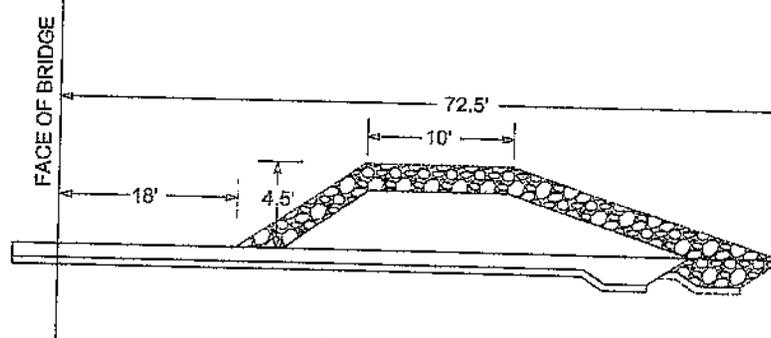
GT&T FARMS



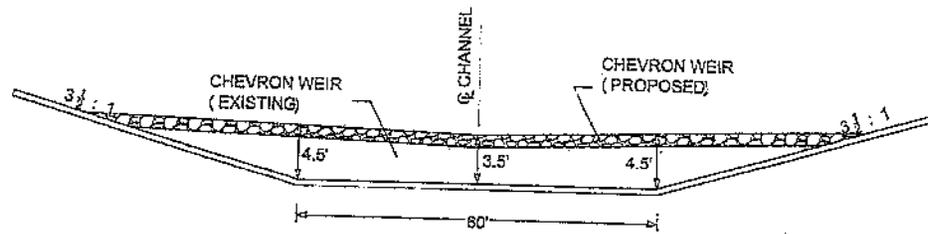
CHEVRON WEIR - V.F.W. ROAD
PLAN VIEW



PROPOSED SECTION B-B



PROPOSED SECTION C-C



PROPOSED SECTION D-D

PROPOSED WEIR DETAILS

DATE	BY	CHKD	APP'D

HOOKER ENGINEERING
services, incorporating
Engineering | Surveying | Testing

1000 E. Highway Avenue, Cornwell, Missouri 64074
Phone: 660-332-1100 | Fax: 660-332-1101 | www.hookereng.com

NO.	DATE	BY	REVISIONS

PROJECT # 1576E107 - GT&T FARMS
STORM DRAINAGE DITCH RELOCATION &
WEIR MAINTENANCE
PROPOSED WEIR DETAILS
GREENVILLE, WASHINGTON COUNTY, MISSISSIPPI

PROJECT #	5	10
TOTAL	5	10
DATE PLOT		
APPROVED FOR PLOT		
DATE		

