

JOINT PUBLIC NOTICE

July 28, 2014

United States Army
Corps of Engineers
New Orleans District
Regulatory Branch
Post Office Box 60267
New Orleans, Louisiana 70160-0267

State of Louisiana
Department of Environmental Quality
Attn: Water Quality Certifications
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

(504) 862-2259
Project Manager
Scott N. Kennedy
scott.n.kennedy@usace.army.mil
Permit Application Number
MVN 2010-0421 EMM

(225) 219-3225
Project Manager
Jamie Phillippe
WQC Application Number
WQC JP 140715-02

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the U.S. Army Corps of Engineers pursuant to: [X] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or [X] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

Application has also been made to the Louisiana Department of Environmental Quality, Water Quality Certifications, for a Water Quality Certification (WQC) in accordance with statutory authority contained in LRS 30:2074 A(3) and provisions of Section 401 of the Clean Water Act.

DREDGE CHANNEL BOTTOMS AND BANKS AND PLACE THE MATERIAL ALONG CHANNEL BANKS AND SPOIL PILES IN PLAQUEMINES PARISH

NAME OF APPLICANT: Plaquemines Parish Government, c/o Stuart Consulting Group, Inc., 1018 Division Street, Suite 20, Metairie, Louisiana 70001.

LOCATION OF WORK: In the Industry Canal, Barriere canal, and Inlet basin canal, off Barriere Road, near Gretna, Louisiana, in Plaquemines Parish, as shown on the attached drawings.

HUC: 08090301 East - Central Louisiana Coastal : Barataria Basin
Latitude: 29.869722 Longitude: -90.001667

CHARACTER OF WORK: Dredge existing channel bottoms and banks to restore the channel capacity and reduce the risk of flooding in Belle Chasse, Louisiana. Approximately 350,200 cubic yards of native material is proposed to be dredged from 67.8 acres and placed along the channel banks and in spoil piles. No wetlands are proposed to be impacted. No compensatory mitigation has been proposed.

The comment period for the Department of the Army Permit and the Louisiana Department of Environmental Quality WQC will close **20 days** from the date of this joint public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit and/or this WQC request and must be mailed so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be mailed to the Corps of Engineers at the address above, **ATTENTION: REGULATORY BRANCH.** Similar letters concerning the Water Quality

Certification must reference the applicant's name and the WQC Application number and be mailed to the Louisiana Department of Environmental Quality at the address above. Individuals or parties may request an extension of time in which to comment on the proposed work by writing or e-mailing the Corps of Engineers Project Manager listed above. Any request must be specific and substantively supportive of the requested extension, and received by this office prior to the end of the initial comment period. The Section Chief will review the request and the requestor will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous to the initial comment period and, inclusive of the initial comment period, will not exceed a total of 30 calendar days.

The application for this proposed project is on file with the Louisiana Department of Environmental Quality and may be examined weekdays between 8:00 a.m. and 4:30 p.m. Copies may be obtained upon payment of costs of reproduction.

Corps of Engineers Permit Criteria

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers is soliciting comments from the public, federal, state, and local agencies and officials, Indian Tribes, and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to make, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The New Orleans District is unaware of properties listed on the National Register of Historic Places near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. Issuance of the public notice solicits input from the State Archeologist and State Historic Preservation Office regarding potential impacts to cultural resources.

Our initial finding is that the proposed work would neither affect any species listed as endangered by the U.S. Departments of Interior or Commerce, nor affect any habitat designated as critical to the survival and recovery of any endangered species.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration of up to N/A acres of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate water quality standards will be required from the Department of Environmental Quality, Water Quality Certifications, before a permit is issued.

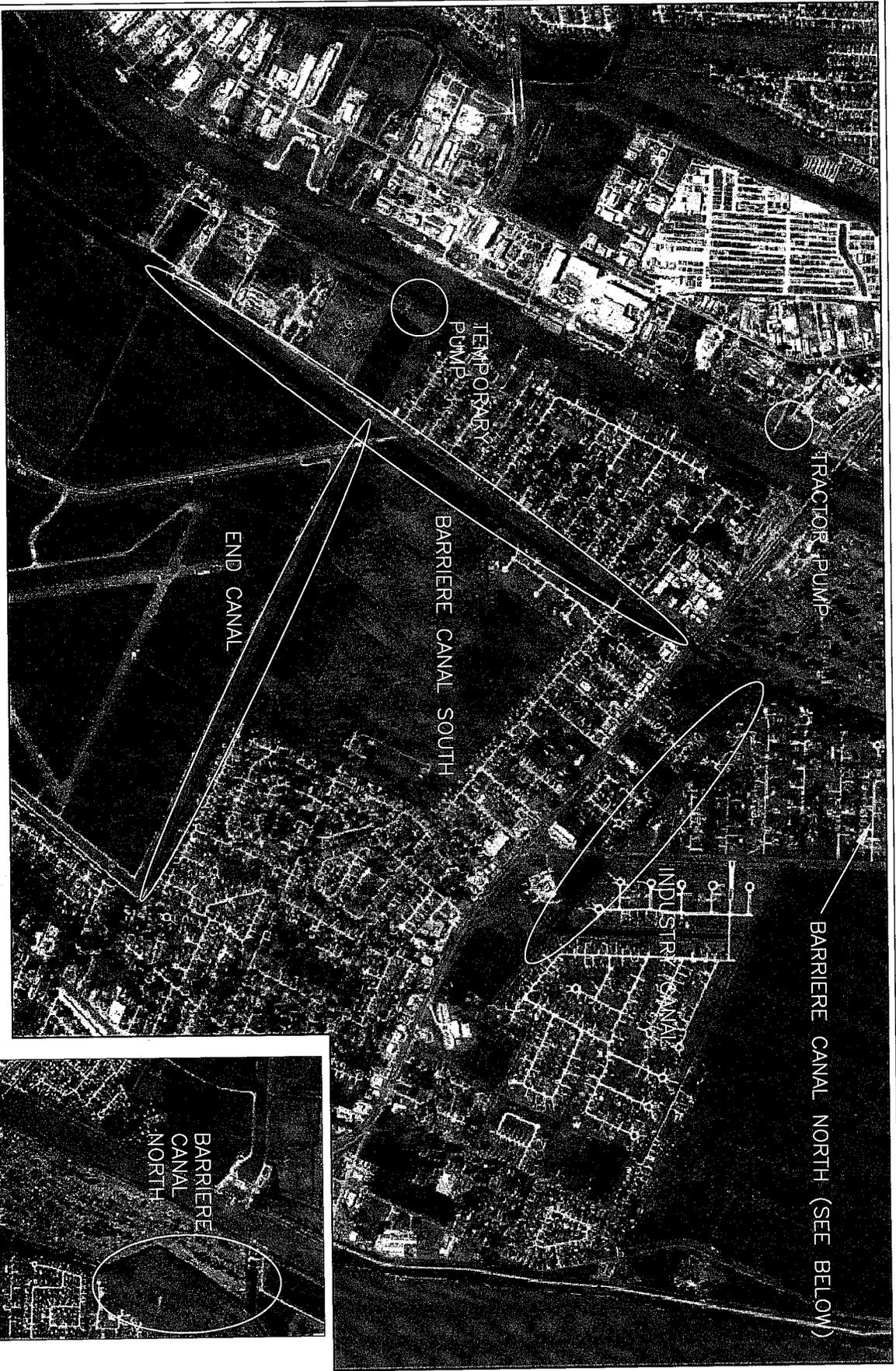
Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

The applicant has certified that the proposed activity described in the application complies with and will be conducted in a manner that is consistent with the Louisiana Coastal Resources Program. The Department of the Army permit will not be issued unless the applicant received approval or a waiver of the Coastal Use Permit by the Department of Natural Resources.

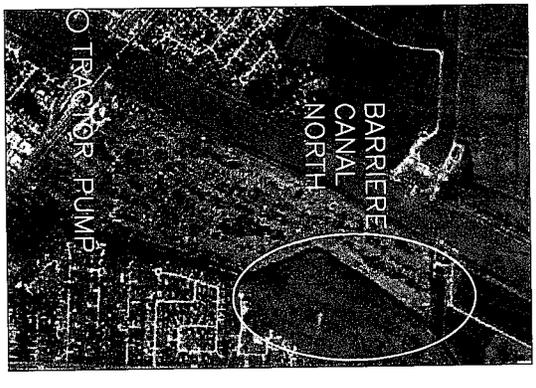
You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

Michael Farabee
Chief, Eastern Evaluation Section

Enclosures



GENERAL SITE LOCATION MAP
NOT TO SCALE



BARRIERE CANAL NORTH
LOCATION MAP
NOT TO SCALE

SHEET NO. LM-1 1 of 13	BELLE CHASSE DRAINAGE BASIN IMPROVEMENTS PLAQUEMINES PARISH, LOUISIANA GENERAL SITE LOCATION MAP	DATE: JUNE 2012	DESIGNED BY: 		DATE:	REVISION:	APP'D:
		SCALE: AS NOTED	CHECKED BY: CAF		DATE:	REVISION:	APP'D:
		DATE: 5/09-03	CHECKED BY: JR				

PLAQUEMINES PARISH GOVERNMENT

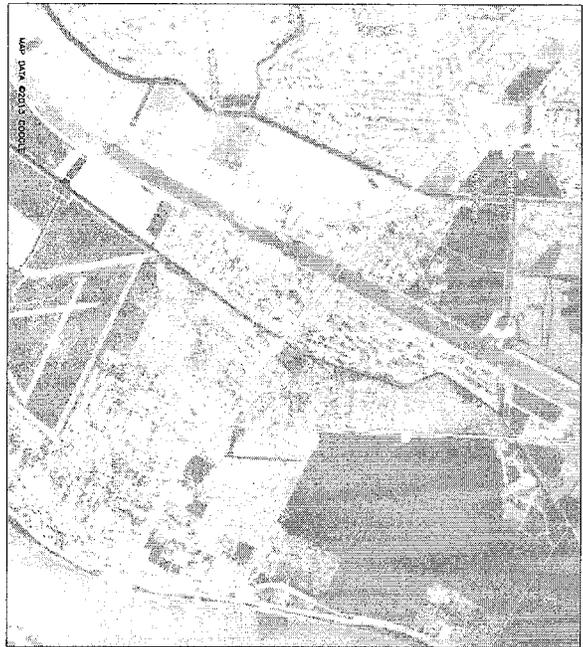
BELLE CHASSE DRAINAGE MAINTENANCE

PARISH PROJECT NUMBER: XXXXXXXXXXXXX
 SCC PROJECT NUMBER: S005-04-01-13
 MARCH 2014

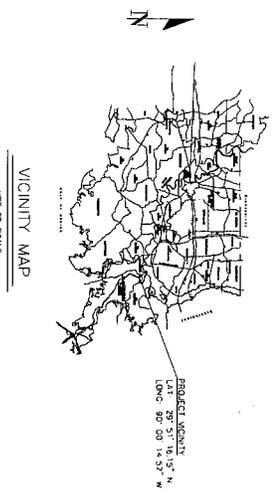


INDEX TO SHEETS

- | SHEET | DESCRIPTION |
|-------|-------------------------|
| 1 | TITLE SHEET |
| 2 | GENERAL NOTES & KEY MAP |
| 3-6 | PLAN AND PROFILE SHEETS |
| 7-11 | CROSS SECTION |



LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

PLAQUEMINES PARISH GOVERNMENT

PARISH PRESIDENT
 WILLIAM H. NUNGESSER

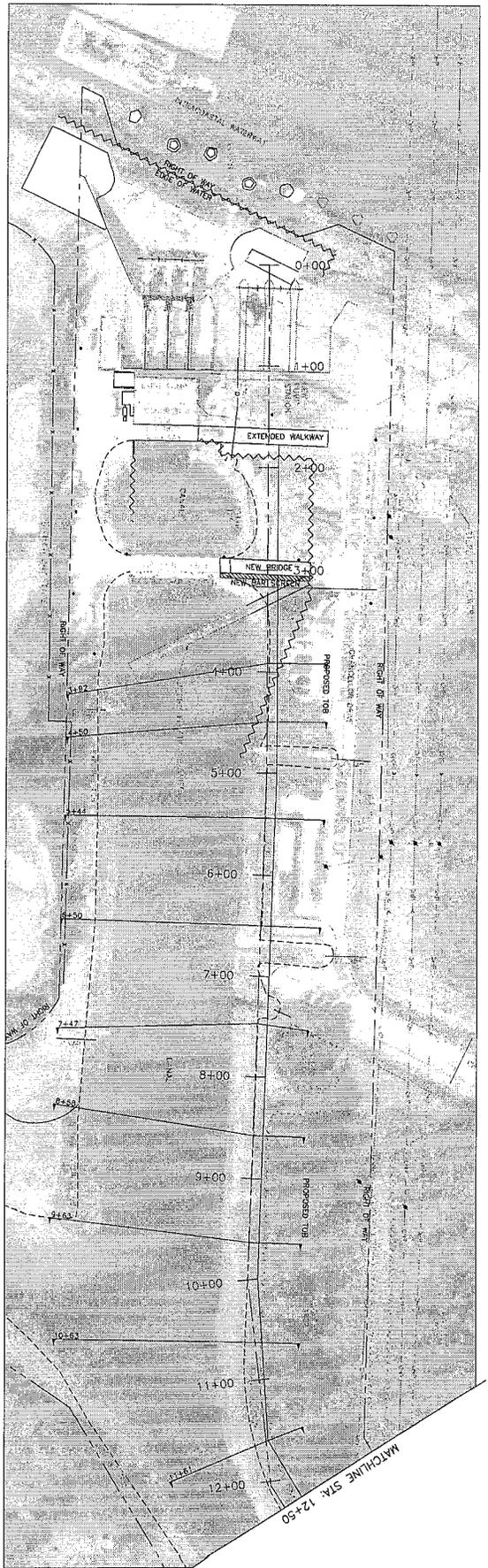
- PARISH COUNCIL
- PERCY V. GRIFFIN - DISTRICT 1
 - KEITH HINKLEY - DISTRICT 2
 - KIRK LEPLNE - DISTRICT 3
 - DR. STUART J. GUEY, JR. - DISTRICT 4
 - ANTHONY BURAS - DISTRICT 5
 - BURGHART TURNER - DISTRICT 6
 - JEFF EDGECOMBE - DISTRICT 7
 - BYRON MARINOVICH - DISTRICT 8
 - MARLA COOPER - DISTRICT 9

PLANS PREPARED BY AND RECOMMENDED FOR APPROVAL:

KEN DUGAS, P.E. PARISH ENGINEER PLAQUEMINES PARISH GOVERNMENT	DATE
JOSEPH A. RICKETT, P.E. STUART CONSULTING GROUP INC	DATE

SHEET NO T1	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT	DATE: Mar 14 SCALE: AS NOTED JOB NO: S005-04-01-13	DESIGNED BY: JAR DRAWN BY: GAB CHECKED BY: CAF
	TITLE SHEET		

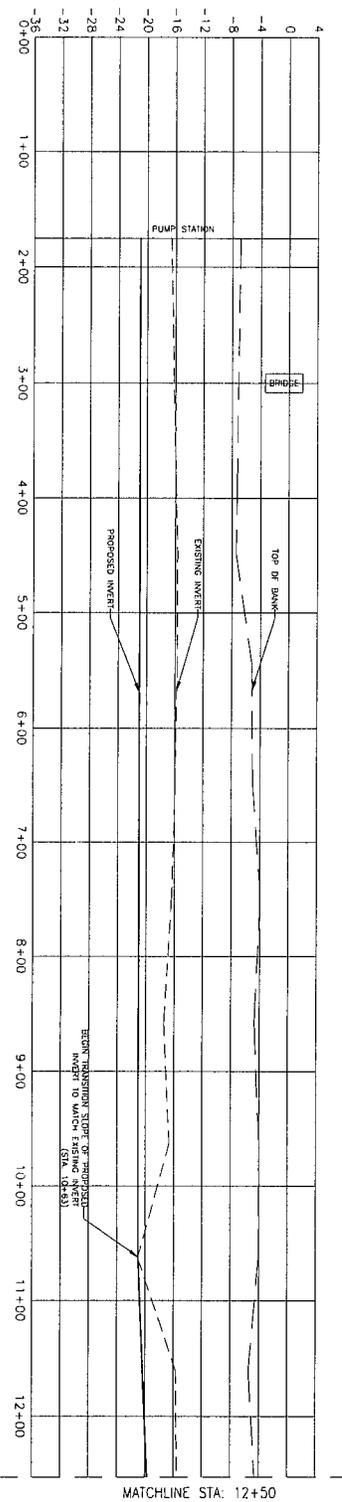
PRELIMINARY
 NOT FOR
 CONSTRUCTION



PLAN
SCALE 1" = 50'

NOTES
REMOVE ALL TREES IN AREA TO BE EXCAVATED AND
WITHIN 15' OF PROPOSED TOB

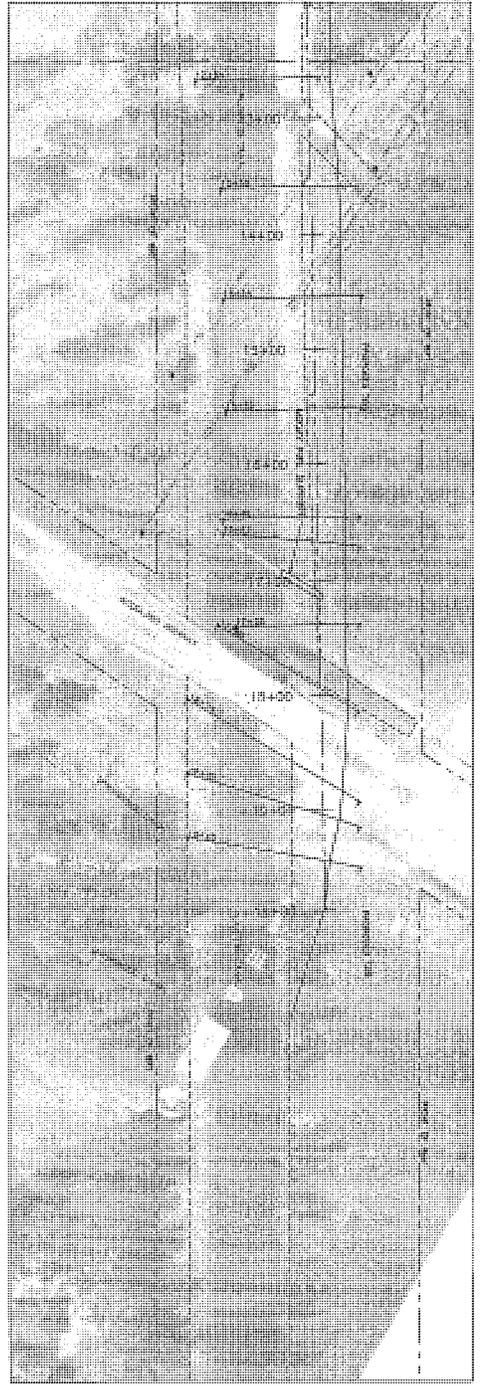
MATCH LEGEND
 EXISTING AREA



PROFILE
SCALE (H) 1" = 8'
SCALE (V) 1" = 8'

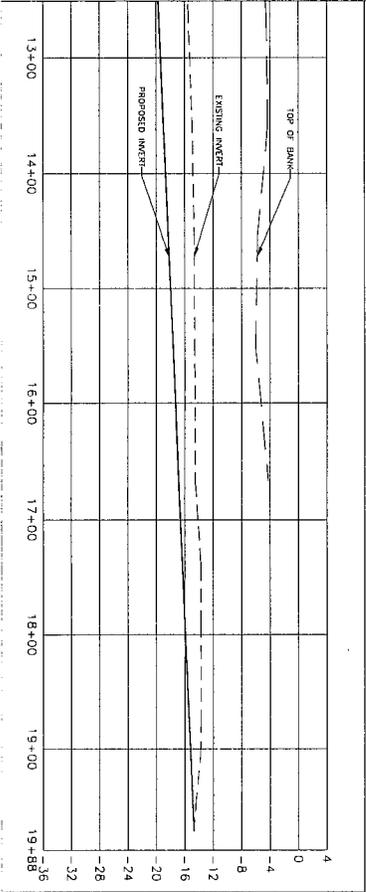
PRELIMINARY

SHEET NO. pp1 3 of 78	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT		DATE: Mar 14	DESIGNED BY: JAR	STUART CONSULTING GROUP	PRELIMINARY NOT FOR CONSTRUCTION
			SCALE: AS NOTED	DRAWN BY: GAB		
			JOB NO. S005-04-01-13	CHECKED BY: CAF		
	INLET BASIN - PLAN & PROFILE					

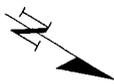


PLAN
SCALE 1" = 50'

MATCHLINE STA: 12+50



PROFILE
SCALE (HS) 1" = 50'
SCALE (V) 1" = 4'



NOTES
REMOVE ALL TREES IN AREA TO BE EXCAVATED AND
WITHIN 15' OF PROPOSED TOB

HATCH LEGEND
 EXCAVATION AREA

PRELIMINARY

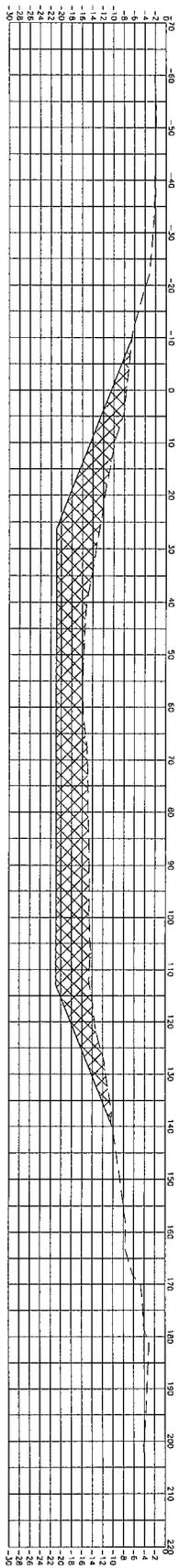
4 of 78
PP2

BELLE CHASSE DRAINAGE MAINTENANCE
PLAQUEMINES PARISH GOVERNMENT
INLET BASIN - PLAN & PROFILE

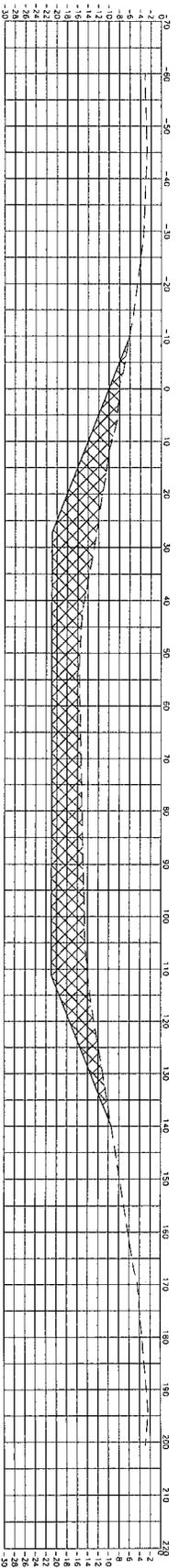
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SCALE:	DRAWN BY:
AS NOTED	GAB
JOB NO:	CHECKED BY:
S005-04-01-13	CAF

STUART CONSULTING GROUP

PRELIMINARY
NOT FOR CONSTRUCTION



CROSS SECTION - STATION 3+97.00
SCALE 1"=10'



CROSS SECTION - STATION 4+50.00
SCALE 1"=10'

LEGEND:
 EXCAVATION

PRELIMINARY

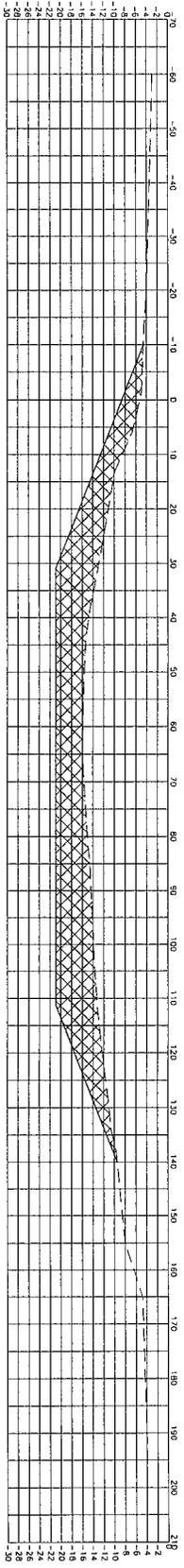
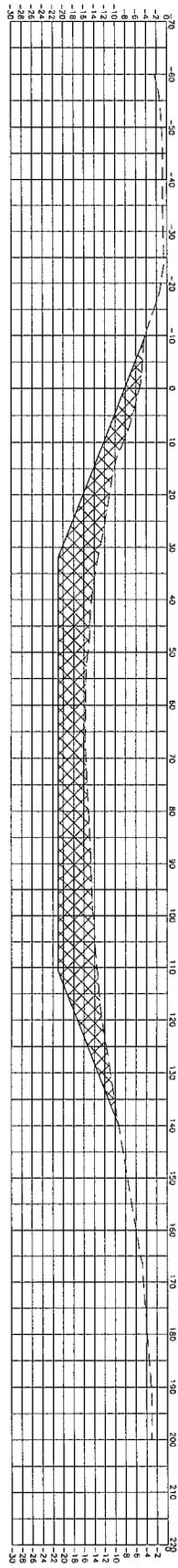
SHEET NO. X1
 5 of 78

BELLE CHASSE DRAINAGE MAINTENANCE
 PLAQUEMINES PARISH GOVERNMENT
 INLET BASIN - CROSS SECTIONS

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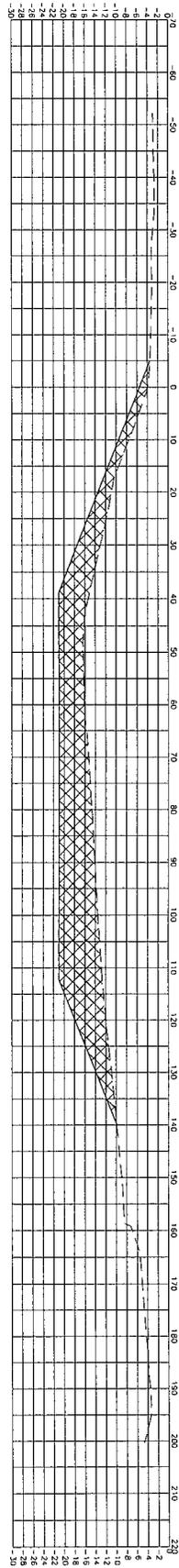
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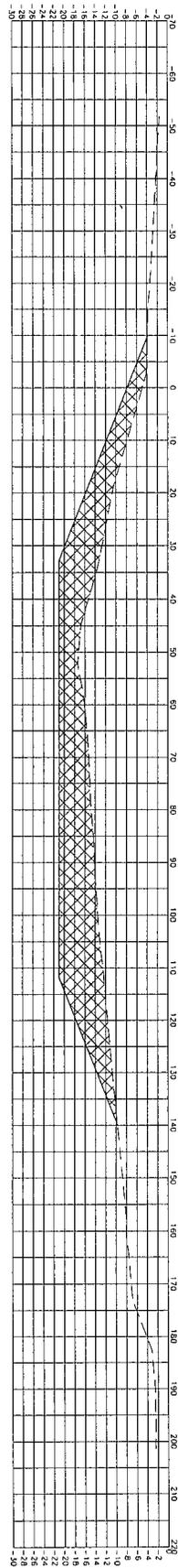
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 EXCAVATION

PRELIMINARY

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		SCALE: AS NOTED	DRAWN BY: GAS		
6 of 78	INLET BASIN - CROSS SECTIONS	JOB NO. S005-04-01-13	CHECKED BY: CAF		



CROSS SECTION - STATION 7+47.00
SCALE: 1"=10'

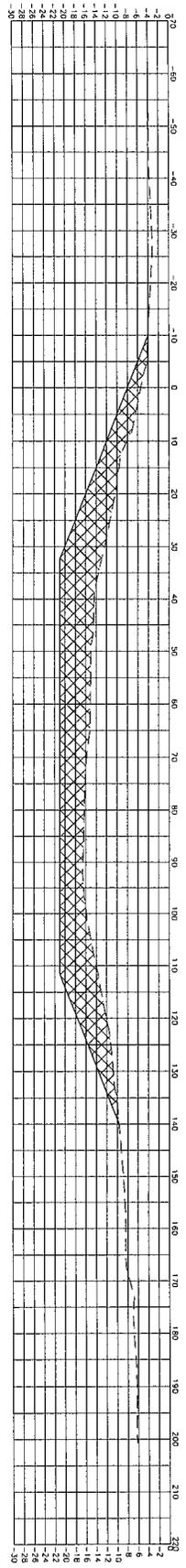


CROSS SECTION - STATION 8+58.00
SCALE: 1"=10'

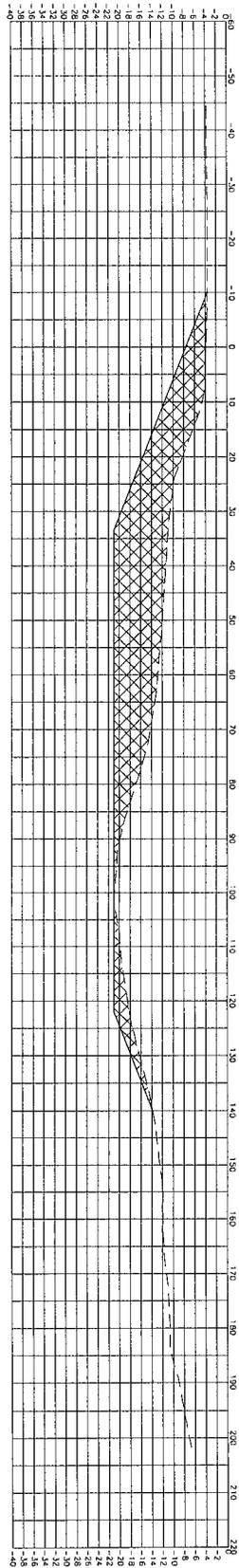
LEGEND:
 EXCAVATION

PRELIMINARY

SHEET NO. 7 of 78	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT	DATE: Mar 14	DESIGNED BY: JAR		PRELIMINARY NOT FOR CONSTRUCTION
	X3	INLET BASIN - CROSS SECTIONS	SCALE: AS NOTED		
		JOB NO. 3005-04-01-13	CHECKED BY: CAF		



CROSS SECTION — STATION 9+63.00
SCALE: 1"=10'



CROSS SECTION — STATION 10+63.00
SCALE: 1"=10'

LEGEND:
 EXCAVATION

PRELIMINARY

SHEET NO. X4
 8 of 78

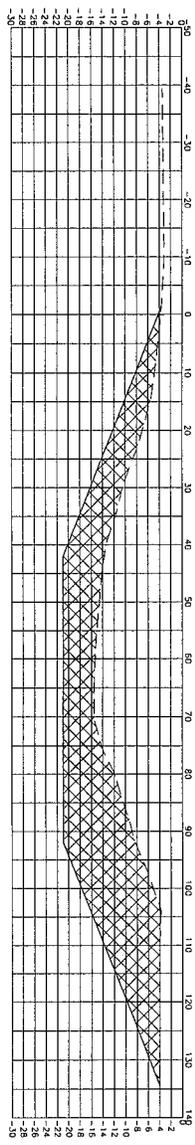
BELLE CHASSE DRAINAGE MAINTENANCE
 PLAQUEMINES PARISH GOVERNMENT
 INLET BASIN - CROSS SECTIONS

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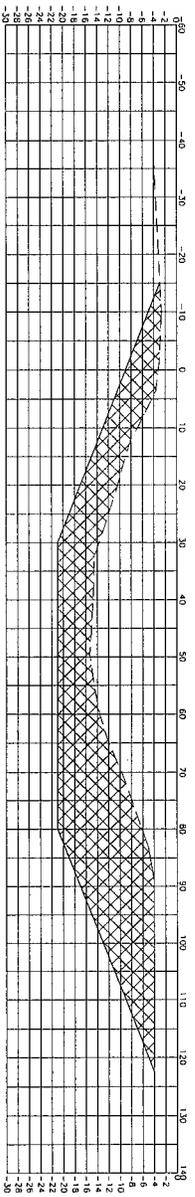


PRELIMINARY
 NOT FOR
 CONSTRUCTION

LEGEND:
 EXCAVATION



CROSS SECTION - STATION 11+61.00
 Scale: 1"=10'



CROSS SECTION - STATION 12+64.00
 Scale: 1"=10'

PRELIMINARY

SHEET NO.
 XS
 9 of 78

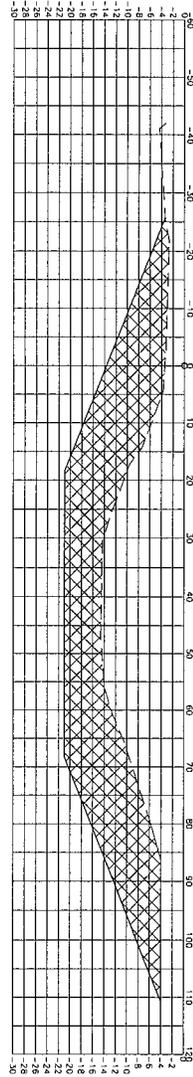
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S005 04-01-13	CAF

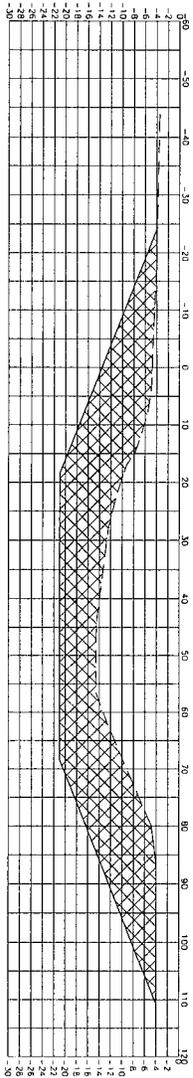


PRELIMINARY
 NOT FOR
 CONSTRUCTION

LEGEND:
 EXCAVATION



CROSS SECTION — STATION 13+58.00
 SCALE: 1"=10'



CROSS SECTION — STATION 14+54.00
 SCALE: 1"=10'

PRELIMINARY

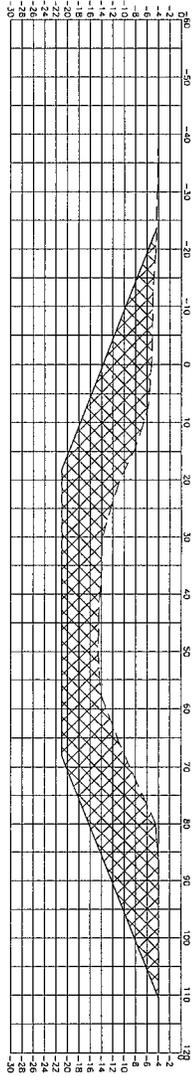
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 10 of 78

BELLE CHASSE DRAINAGE MAINTENANCE
 PLAQUEMINES PARISH GOVERNMENT
 INLET BASIN - CROSS SECTIONS

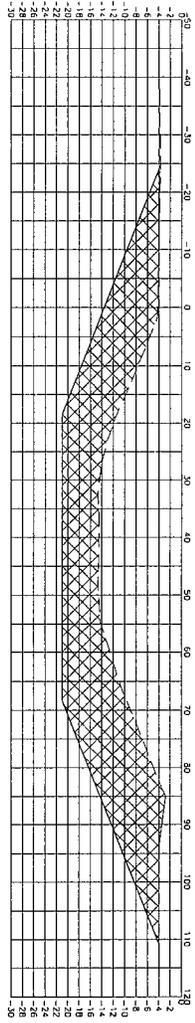
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Mar 14	JAR
SCALE:	DRAWN BY:
AS NOTED	GAB
JOB NO.:	CHECKED BY:
S005-04-01-13	CAF



PRELIMINARY
 NOT FOR CONSTRUCTION



CROSS SECTION -- STATION 15+52.00
SCALE: 1"=10'



CROSS SECTION -- STATION 16+46.00
SCALE: 1"=10'

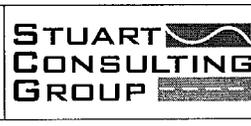
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PRELIMINARY

DATE: Mar 14
 SCALE: AS NOTED
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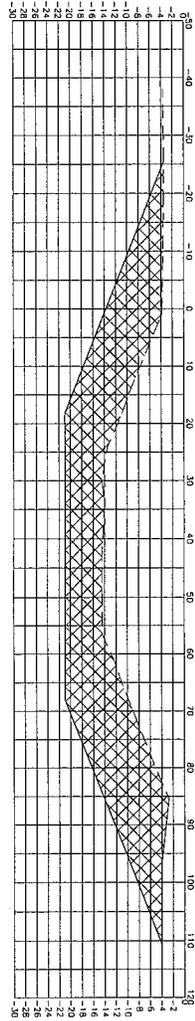
BELLE CHASSE DRAINAGE MAINTENANCE
 PLAQUEMINES PARISH GOVERNMENT
 INLET BASIN - CROSS SECTIONS

DESIGNED BY: JAR
 DRAWN BY: GAB
 CHECKED BY: CAF

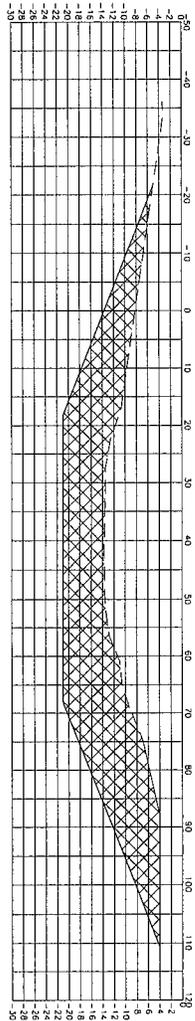


PRELIMINARY
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LEGEND:
 EXCAVATION



CROSS SECTION — STATION 16+67.00
 SCALE: 1"=10'



CROSS SECTION — STATION 17+38.00
 SCALE: 1"=10'

PRELIMINARY

DATE: Mar 14
 SCALE: AS NOTED
 JOB NO. S005-04-01-13

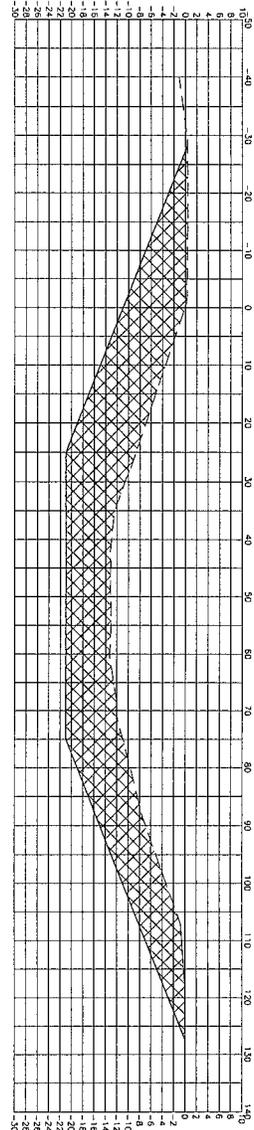
BELLE CHASSE DRAINAGE MAINTENANCE
 PLAQUEMINES PARISH GOVERNMENT
 INLET BASIN - CROSS SECTIONS

DESIGNED BY: JAR
 DRAWN BY: GAB
 CHECKED BY: CAF

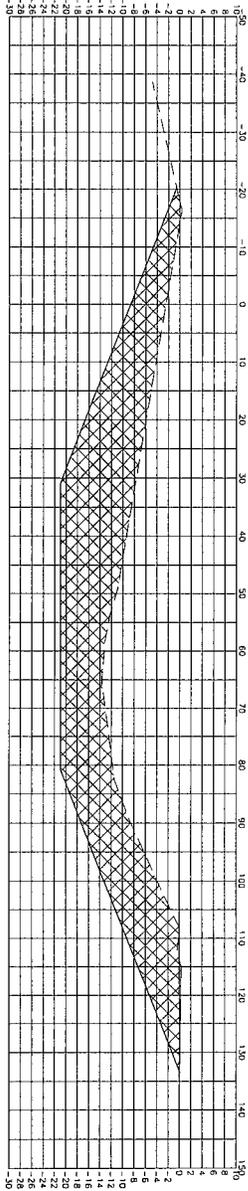


PRELIMINARY
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LEGEND:
 EXCAVATION



CROSS SECTION — STATION 17+94.00
 SCALE: 1" = 10'



CROSS SECTION — STATION 18+74.00
 SCALE: 1" = 10'

PRELIMINARY

13" x 78"

DRAWING NO.
 X9

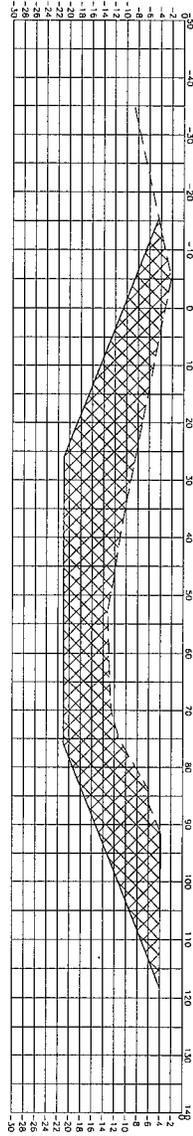
BELLE CHASSE DRAINAGE MAINTENANCE
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 INLET BASIN - CROSS SECTIONS

DATE:	DESIGNED BY:
Mar 14	JAR
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S005-04-01-13	CAF

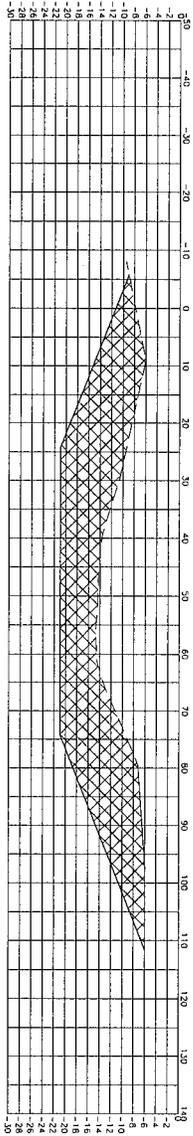
STUART CONSULTING GROUP

PRELIMINARY
 NOT FOR CONSTRUCTION

LEGEND:
 EXCAVATION



CROSS SECTION - STATION 19+05.00
 SCALE: 1"=10'



CROSS SECTION - STATION 19+45.00
 SCALE: 1"=10'

PRELIMINARY

14 of 78

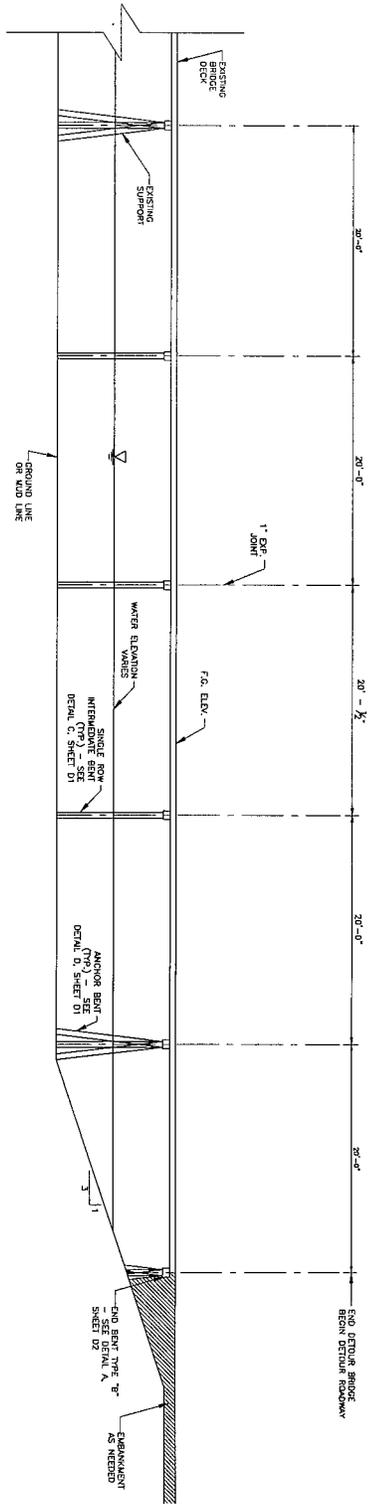
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BELLE CHASSE DRAINAGE MAINTENANCE
 PLAQUEMINES PARISH GOVERNMENT
 INLET BASIN - CROSS SECTIONS

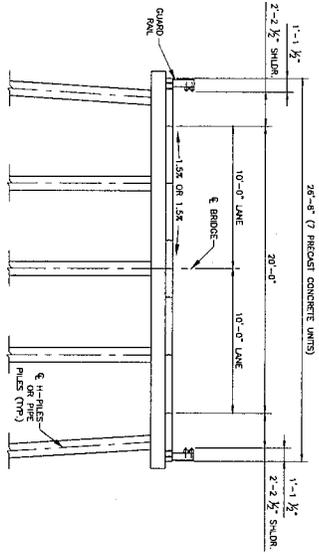
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SCALE:	AS NOTED	DRAWN BY:	GAB
JOB NO.:	SD05-04-01-13	CHECKED BY:	CAF



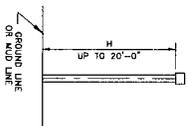
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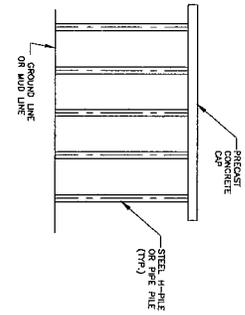
A BRIDGE ELEVATION
NOT TO SCALE



B TYPICAL BRIDGE CROSS SECTION
NOT TO SCALE



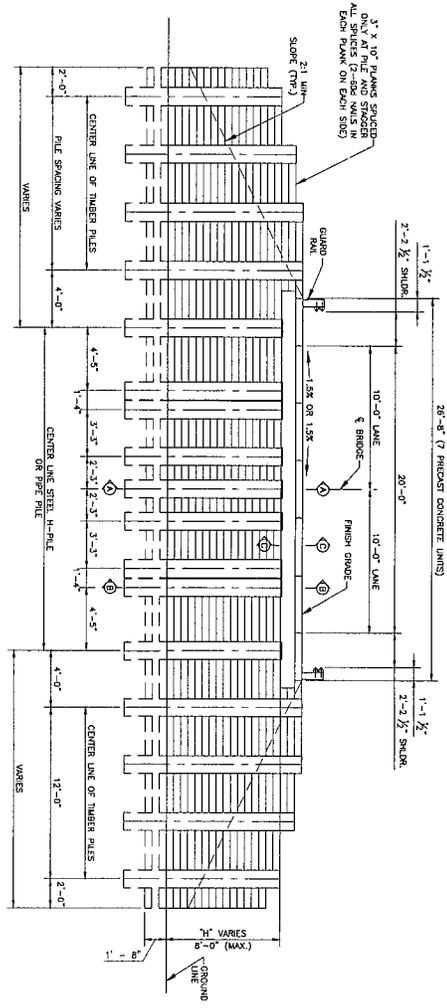
C SINGLE ROW BENT
NOT TO SCALE



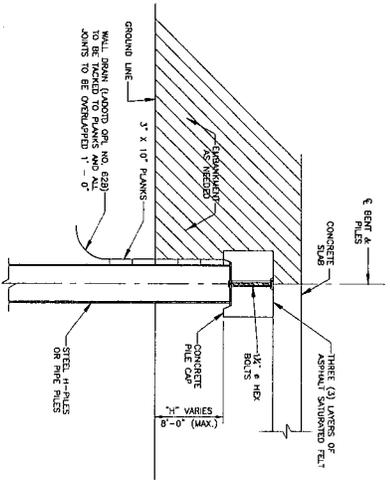
D ANCHOR BENT
NOT TO SCALE

PRELIMINARY

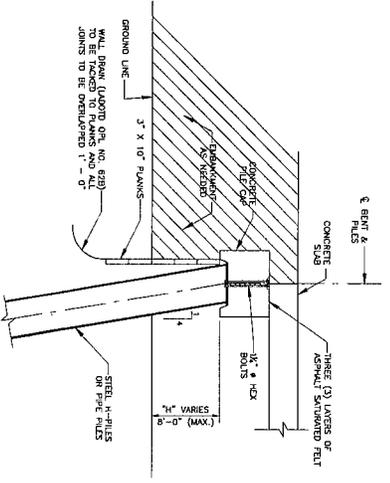
SHEET NO. D1 15 of 78	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT		DATE: Mar 14	DESIGNED BY: JAR	STUART CONSULTING GROUP	PRELIMINARY NOT FOR CONSTRUCTION
			SCALE: AS NOTED	DRAWN BY: GAB		
			JOB NO. S005-04-01-13	CHECKED BY: CAF		
	INLET BASIN - DETAILS 1					



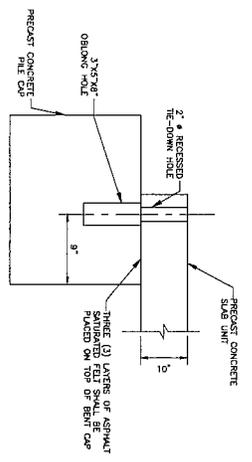
Δ ELEVATION (SHOWING BULKHEAD)
NOT TO SCALE



Δ SECTION A-A
NOT TO SCALE



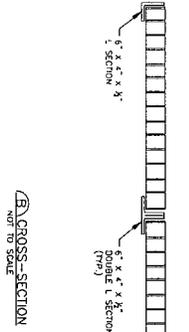
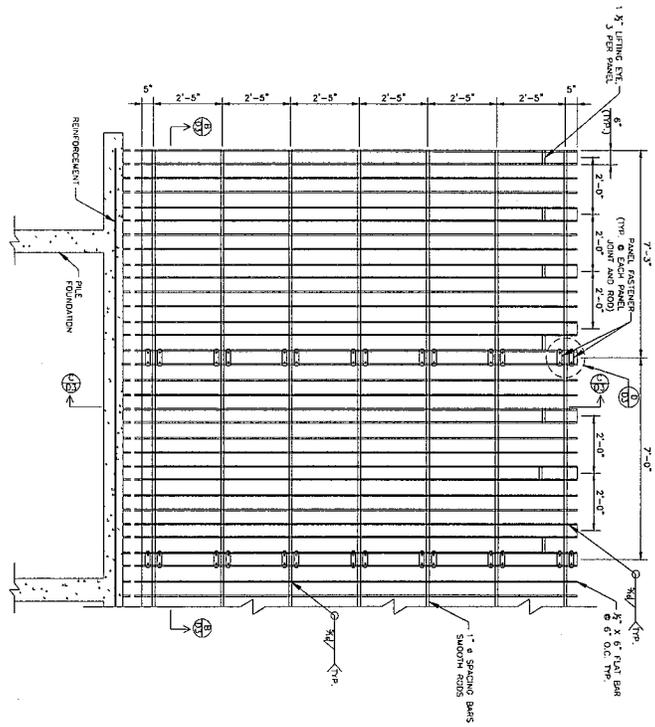
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NOT TO SCALE



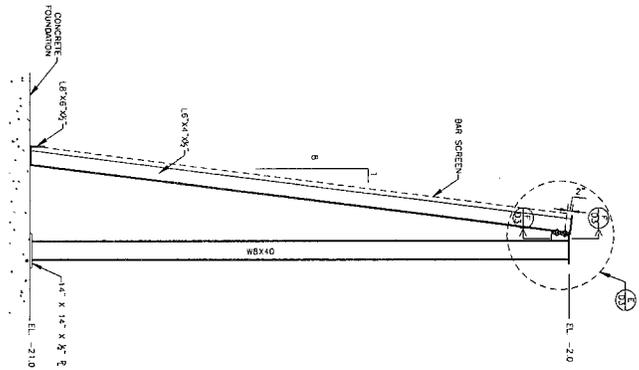
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PRELIMINARY

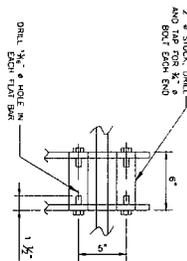
SHEET NO. D2	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT		DATE: Mar 14	DESIGNED BY: JAR	STUART CONSULTING GROUP	PRELIMINARY NOT FOR CONSTRUCTION
			SCALE: AS NOTED	DRAWN BY: GAS		
			JOB NO. S005-04-01-13	CHECKED BY: CAF		
	INLET BASIN - DETAILS 1					



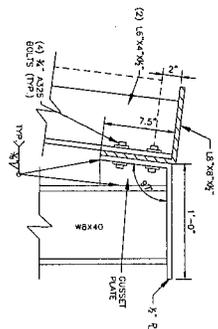
BAR SCREEN ELEVATION
NOT TO SCALE



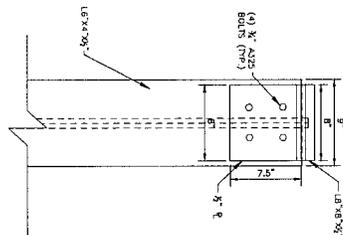
CROSS-SECTION
NOT TO SCALE



DETAIL
NOT TO SCALE



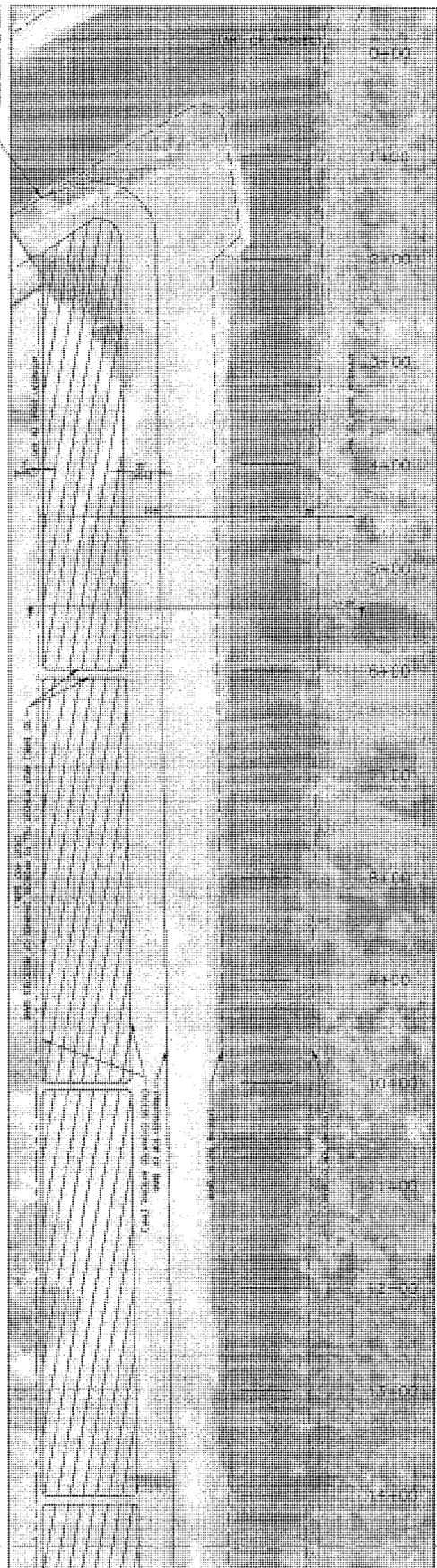
DETAIL
NOT TO SCALE



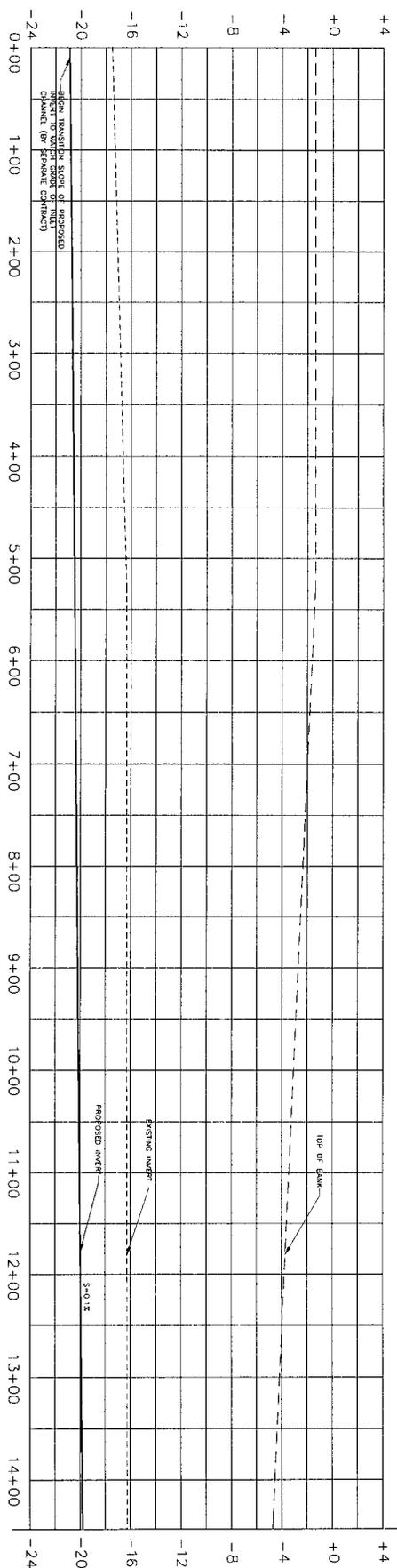
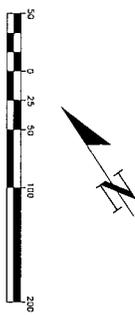
DETAIL
NOT TO SCALE

PRELIMINARY

SHEET NO. D3	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT		DATE: Mar 14	DESIGNED BY: JAR	STUART CONSULTING GROUP	PRELIMINARY NOT FOR CONSTRUCTION
	INLET BASIN - DETAILS 2		SCALE: AS NOTED	DRAWN BY: GAB		
17 of 78			JOB NO. S005 04 01-13	CHECKED BY: CAF		

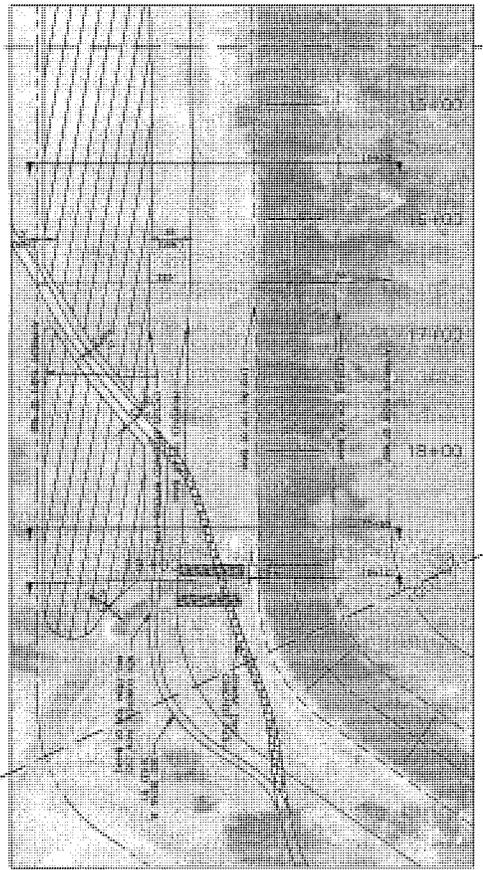


PLAN
SCALE: 1" = 50'



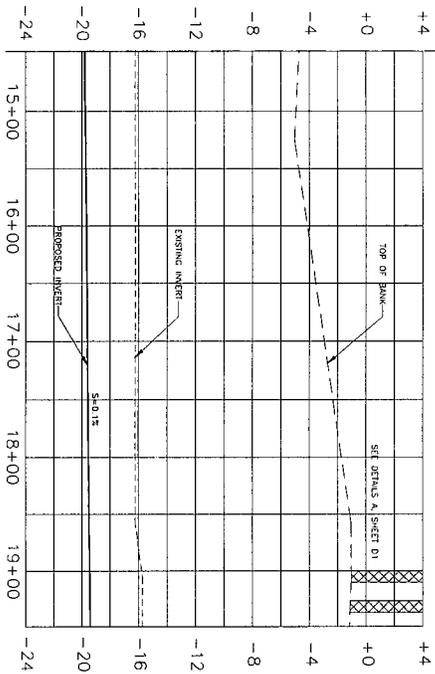
PROFILE
SCALE (H): 1" = 50'
SCALE (V): 1" = 4'

SHEET NO. pp1 19 of 78	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT		DATE: Mar 14	DESIGNED BY: JAR		REVISIONS		APP'D
	NORTH - PLAN & PROFILE		SCALE: AS NOTED	DRAWN BY: GAB		DATE:	REMARKS:	
			JOB NO: S005-04-01-13	CHECKED BY: CAF				



PLAN
SCALE 1" = 50'

MATCHLINE STA: 14+50



PROFILE
SCALE (H) 1" = 4'
SCALE (V) 1" = 4'

SHEET No.
pp2
20 of 78

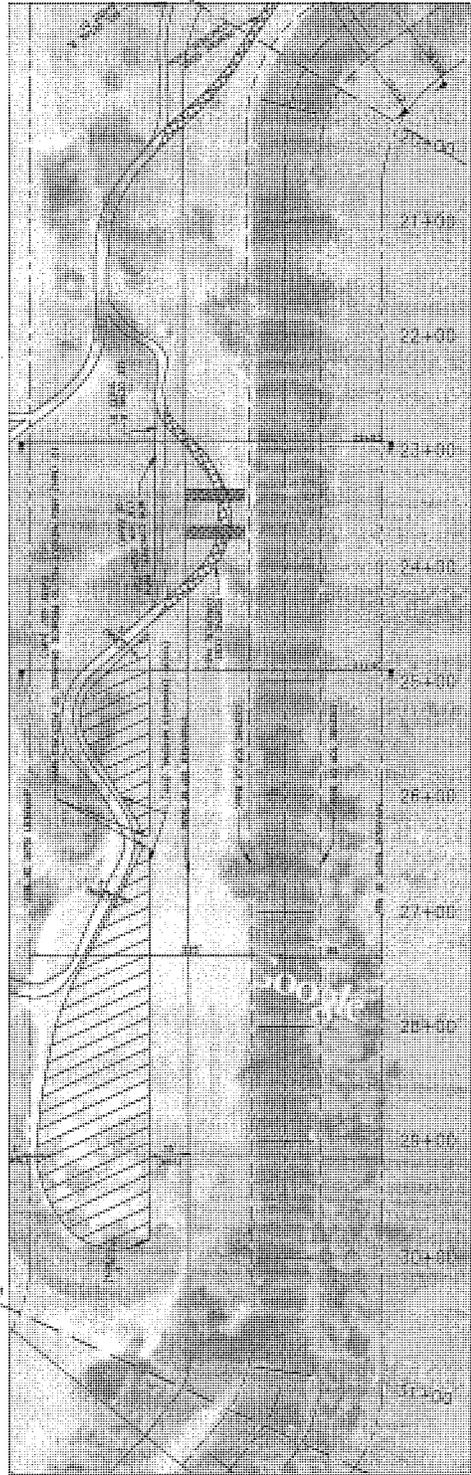
BELLE CHASSE DRAINAGE MAINTENANCE
PLAQUEMINES PARISH GOVERNMENT
NORTH - PLAN & PROFILE

DATE	DESIGNED BY:
Mar 14	JAR
SCALE	DRAWN BY:
AS NOTED	GAB
JOB NO.	CHECKED BY:
S005-04-01-13	CAF

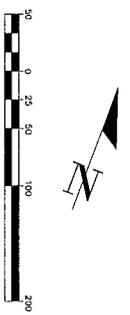
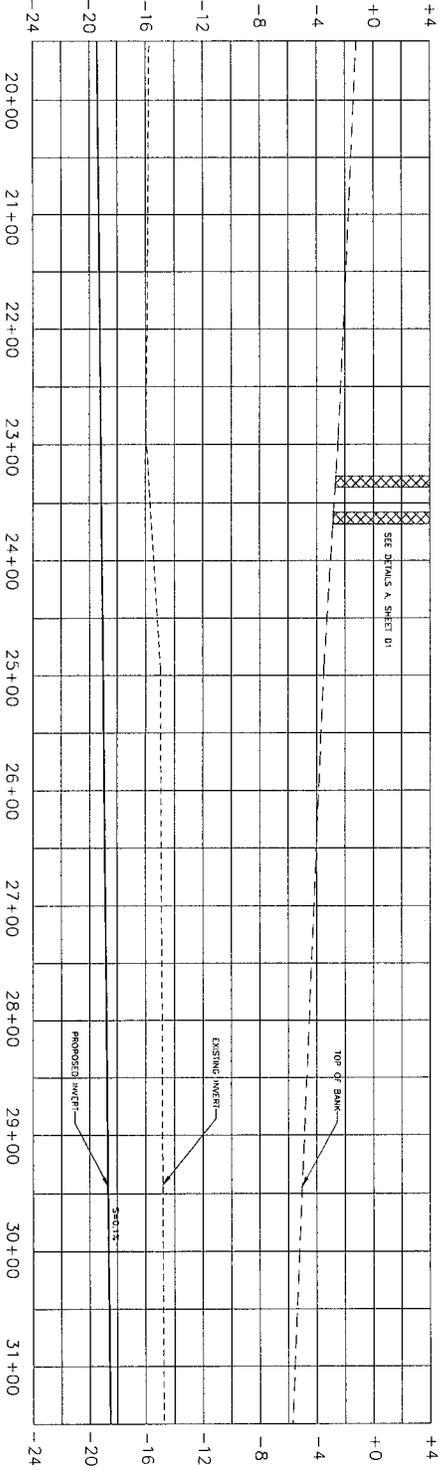


REVISIONS		
DATE	REMARKS	APP'D.

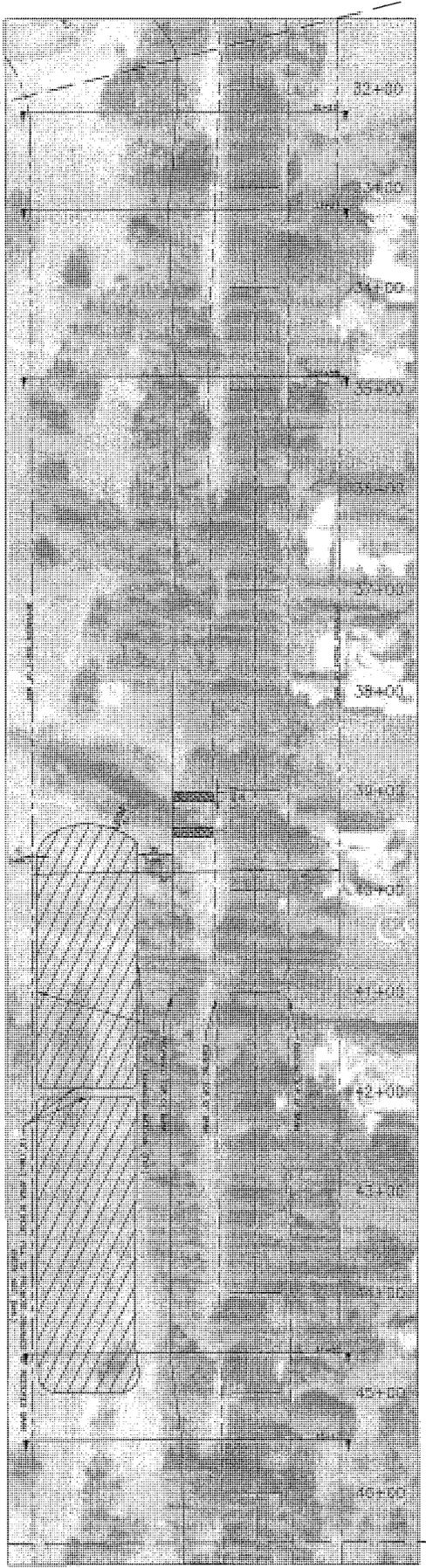
MATCHLINE STA. 19+50



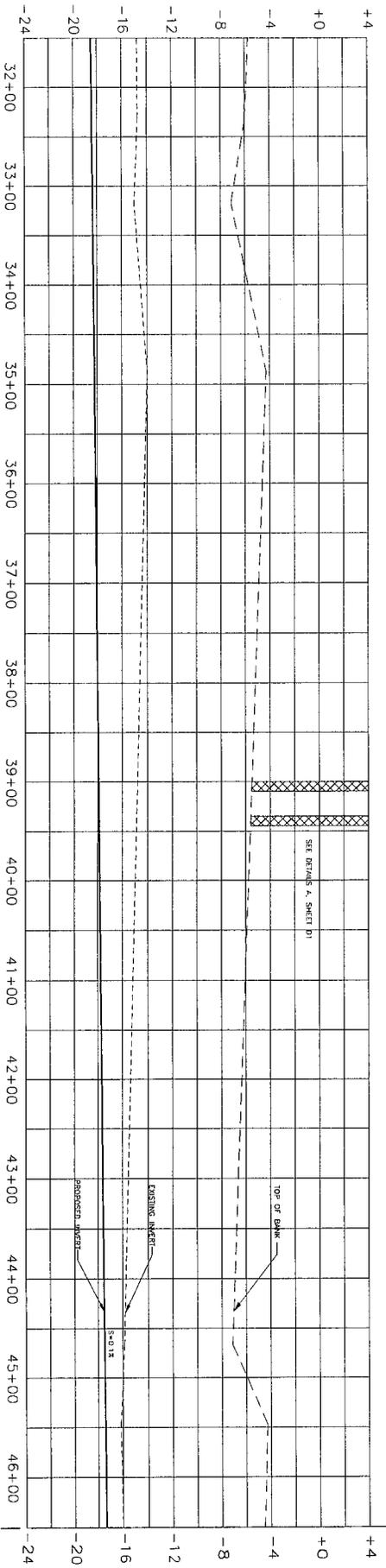
MATCHLINE STA. 31+50



SHEET NO. PP3 21 of 78	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT		DATE: Mar 14	DESIGNED BY: JAR	STUART CONSULTING GROUP	REVISIONS		APP'D
			SCALE: AS NOTED	DRAWN BY: GAB		DATE:	REMARKS:	
			JOB NO. S005-04-01-13	CHECKED BY: CAF				
	NORTH - PLAN & PROFILE							



PLAN
SCALE: 1" = 50'



PROFILE
SCALE (H): 1" = 4'
SCALE (V): 1" = 4'



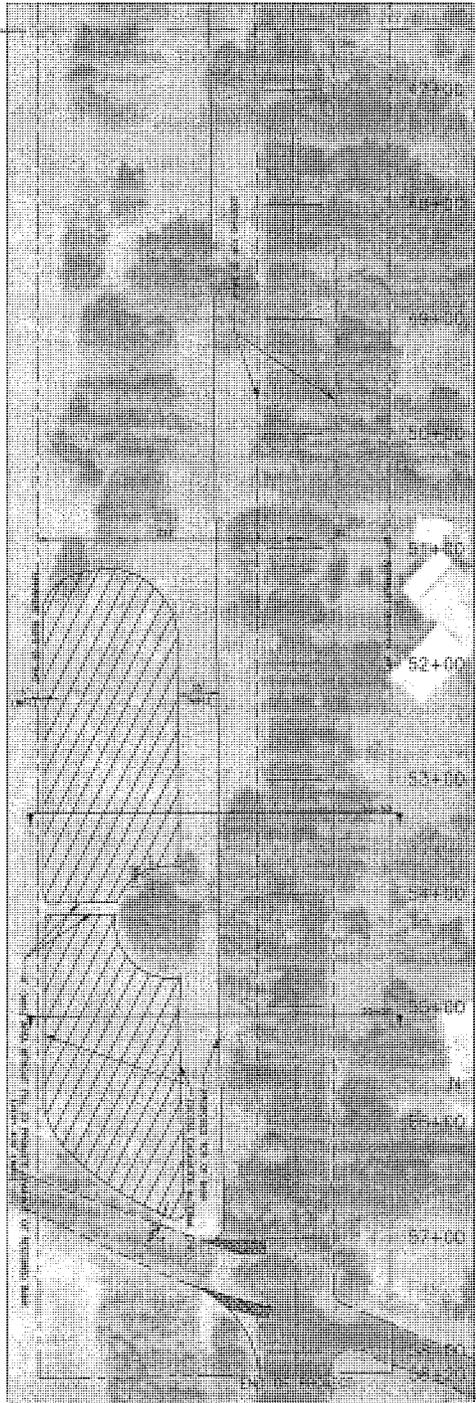
SHEET NO. PP4
22 of 78

BELLE CHASSE DRAINAGE MAINTENANCE
PLAQUEMINES PARISH GOVERNMENT
NORTH - PLAN & PROFILE

DATE:	DESIGNED BY:
Mar 14	JAR
SCALE:	DRAWN BY:
AS NOTED	GAB
JOB NO.	CHECKED BY:
S005-04-01-13	CAF

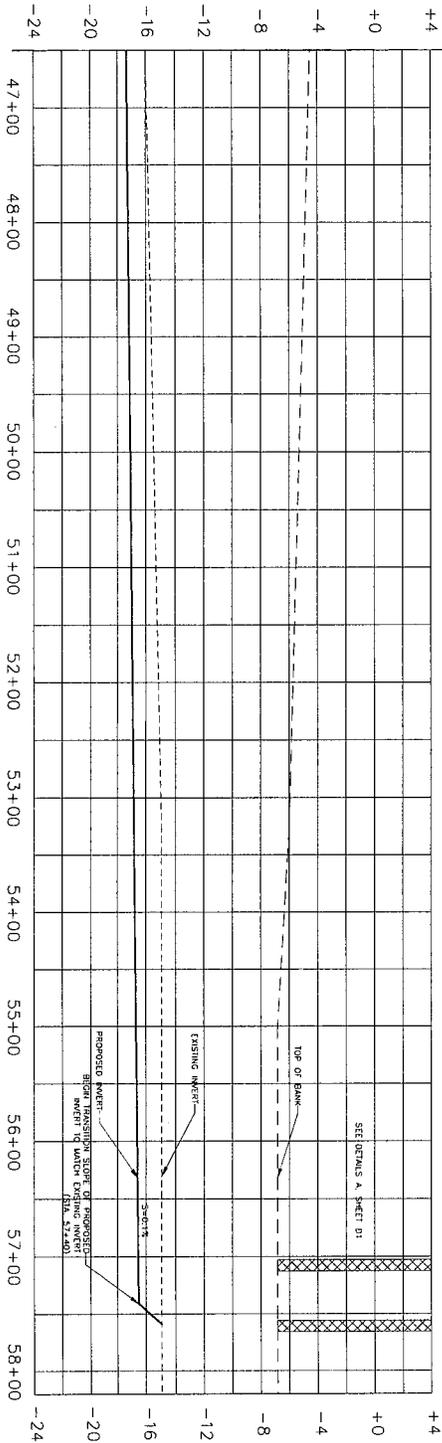
STUART CONSULTING GROUP

REVISIONS		
DATE:	REMARKS:	APP'D:



PLAN
SCALE: 1" = 50'

MATCHLINE STA: 46+50



PROFILE
SCALE: HORIZ. 1" = 50'
SCALE: VERT. 1" = 4'

BELLE CHASSE DRAINAGE MAINTENANCE

PLAQUEMINES PARISH GOVERNMENT

NORTH - PLAN & PROFILE

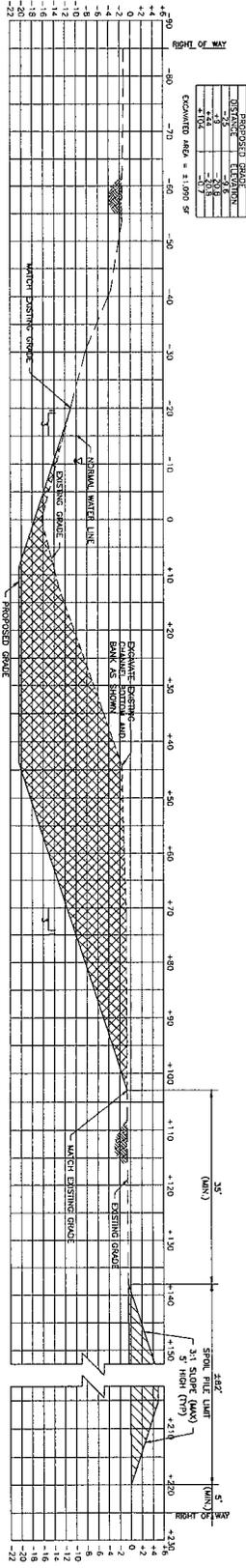
DATE: Mar 14
SCALE: AS NOTED
JOB NO. S005-04-01-13

DESIGNED BY: JAR
DRAWN BY: GAB
CHECKED BY: CAF



REVISIONS		
DATE	REMARKS	APP'D

LEGEND:
 [Hatched Box] EXCESS EXCAVATED MATERIAL
 [Cross-hatched Box] EXCAVATION



CROSS SECTION — STATION 05+38.00
 SCALE: 1" = 10'

SHEET NO. X1
 24 of 78

BELLE CHASSE DRAINAGE MAINTENANCE
 PLAQUEMINES PARISH GOVERNMENT
 NORTH - CROSS SECTIONS

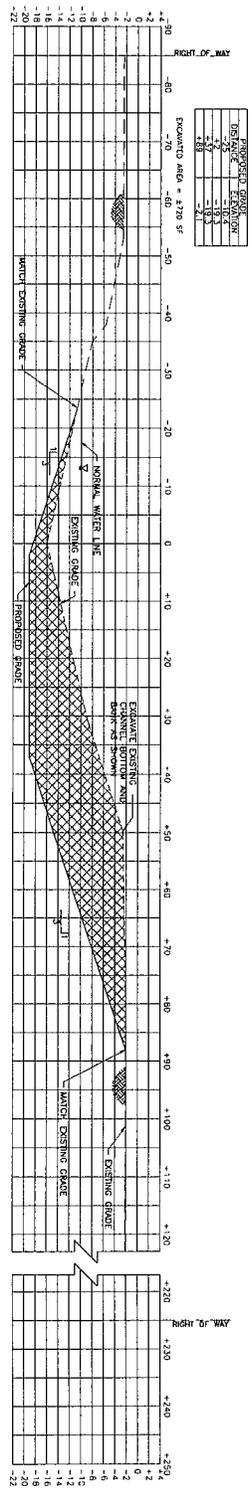
DATE: Mar 14
 DESIGNED BY: JAR
 SCALE: AS NOTED
 DRAWN BY: GAB
 JOB NO. S005-04-01-13
 CHECKED BY: CAF



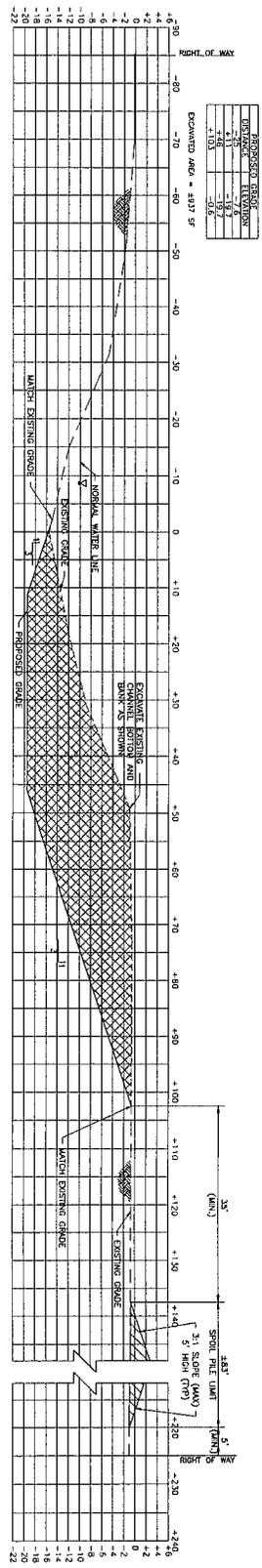
REVISIONS		
DATE:	REMARKS:	APP'D:

LEGEND:
 [Hatched Box] EXCESS EXCAVATED MATERIAL
 [Cross-hatched Box] EXCAVATION

CROSS SECTION - STATION 22+93.00
 SCALE: 1" = 10'



CROSS SECTION - STATION 19+12.00
 SCALE: 1" = 10'



26 of 78
 SHEET NO. X3

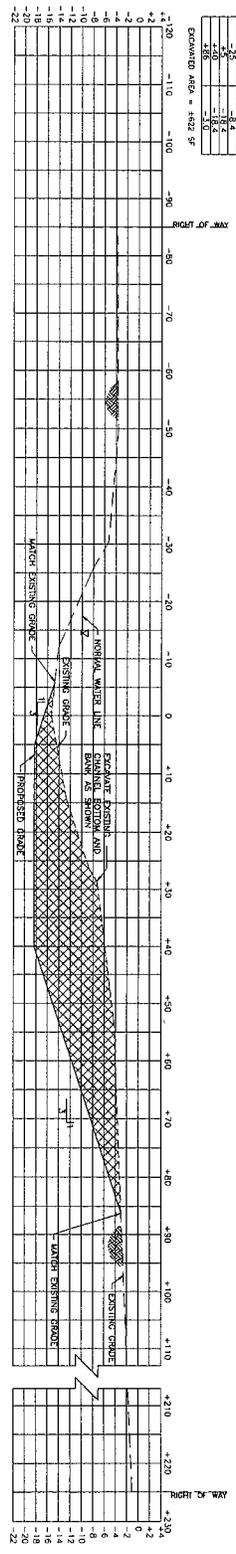
BELLE CHASSE DRAINAGE MAINTENANCE
 PLAQUEMINES PARISH GOVERNMENT
 NORTH - CROSS SECTIONS

DATE: Mar 14
 DESIGNED BY: JAR
 SCALE: AS NOTED
 DRAWN BY: GAB
 CHECKED BY: CAF
 JOB NO. S005-04-01-13



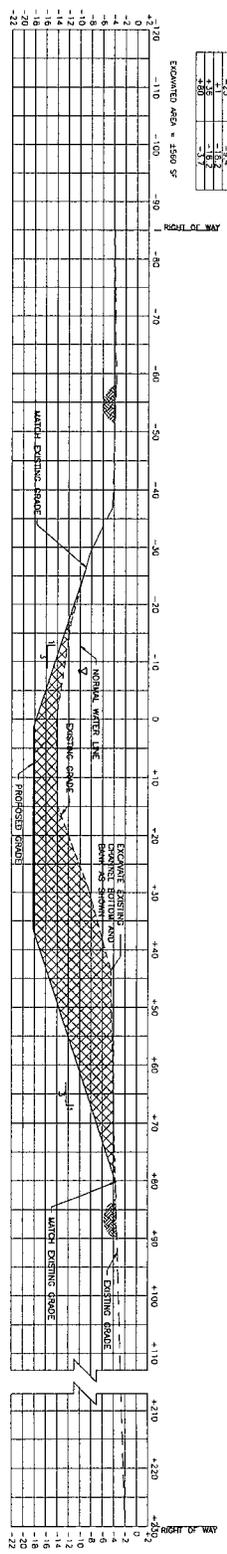
REVISIONS		APPR'D.
DATE	REMARKS	

PROPOSED GRADE ELEVATION	
DESIGN	1.4
EXISTING	1.4
FINISHED	1.4
ESTIMATED AREA	4322 SF



CROSS SECTION - STATION 33+21.00
SCALE: 1" = 10'

PROPOSED GRADE ELEVATION	
DESIGN	1.4
EXISTING	1.4
FINISHED	1.4
ESTIMATED AREA	1560 SF



CROSS SECTION - STATION 34+88.00
SCALE: 1" = 10'

LEGEND:
 EXCESS EXCAVATED MATERIAL
 EXCAVATION

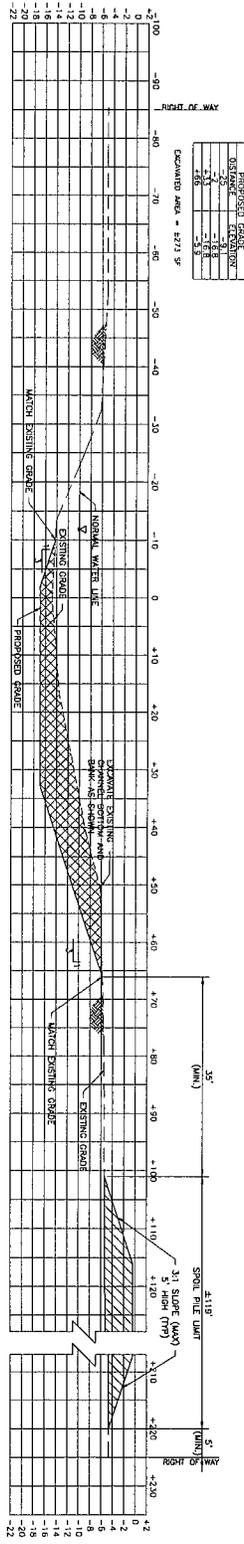
REVISIONS		
DATE	REMARKS	APP'D



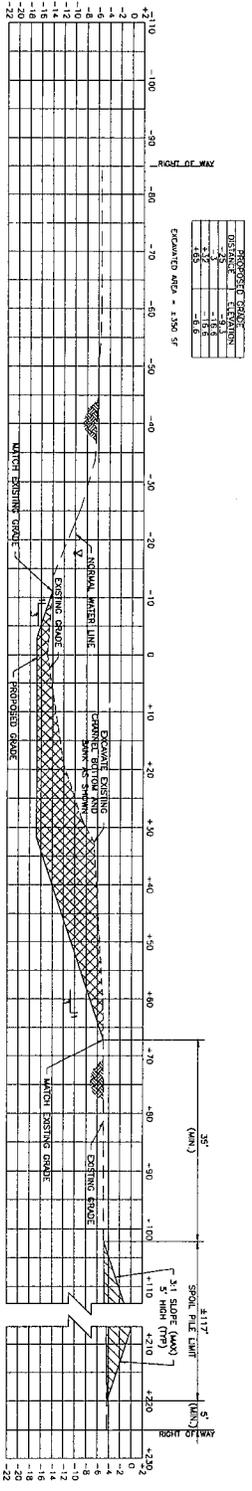
DATE	Mar 14	DESIGNED BY:	JAR
SCALE	AS NOTED	DRAWN BY:	GAB
JOB NO.	SD05-04-01-13	CHECKED BY:	CAF

BELLE CHASSE DRAINAGE MAINTENANCE
 PLAQUEMINES PARISH GOVERNMENT
 NORTH - CROSS SECTIONS

LEGEND:
 EXCESS EXCAVATED MATERIAL
 EXCAVATION



CROSS SECTION - STATION 53+30.00
 SCALE: 1" = 10'



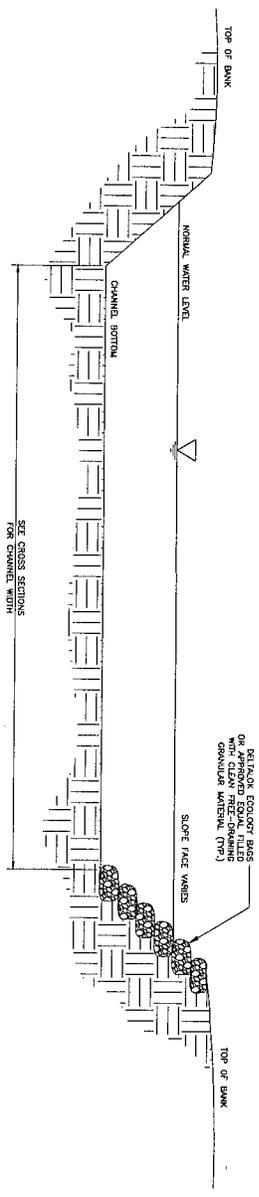
CROSS SECTION - STATION 55+07.00
 SCALE: 1" = 10'

REVISIONS		DATE	REMARKS	APP'D

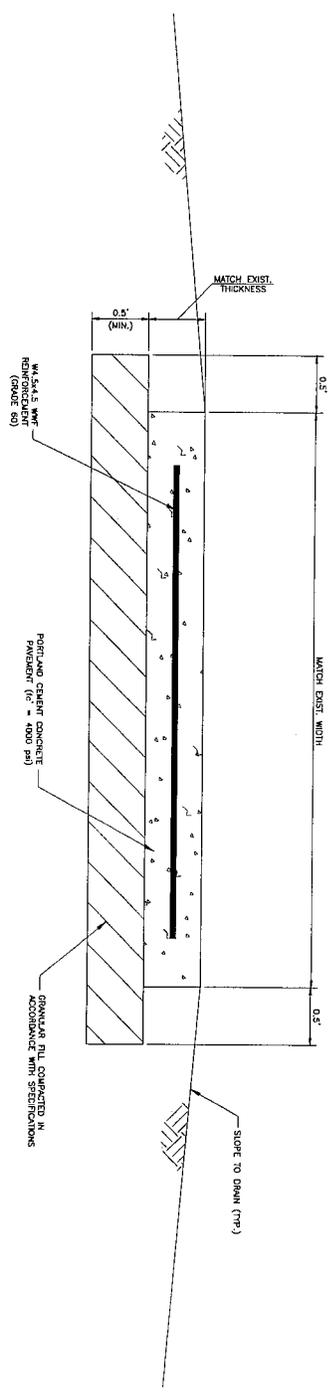
DATE:	DESIGNED BY:	STUART CONSULTING GROUP
Mar 14	JAR	
SCALE:	DRAWN BY:	
AS NOTED	GAB	
JOB NO.:	CHECKED BY:	
S005-04-01-13	CAF	

BELLE CHASSE DRAINAGE MAINTENANCE	
PLAQUEMINES PARISH GOVERNMENT	
NORTH - CROSS SECTIONS	

SHEET NO. X7	30 OF 78
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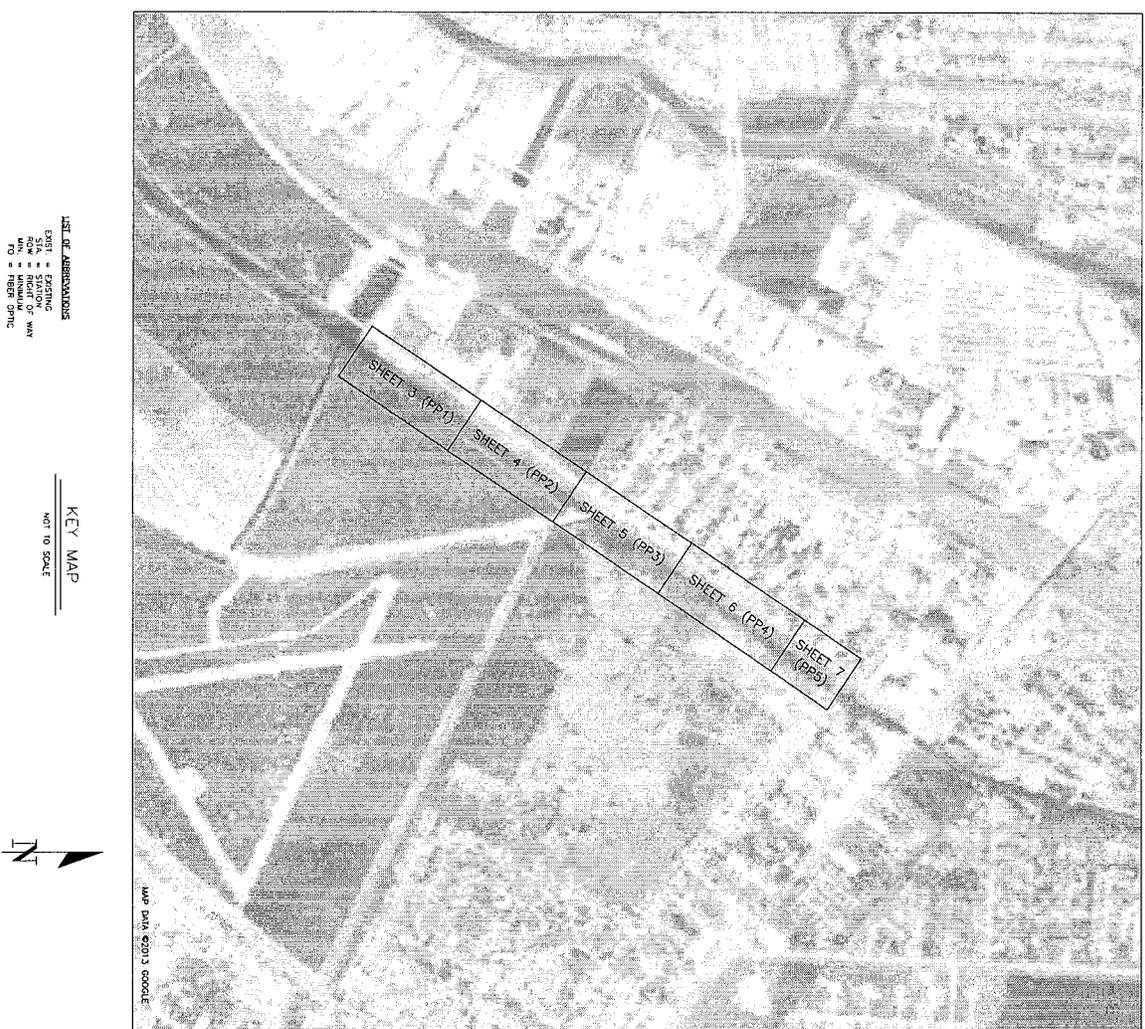
Δ DELTAOK CHANNEL DETAIL
NOT TO SCALE



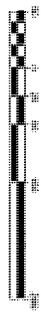
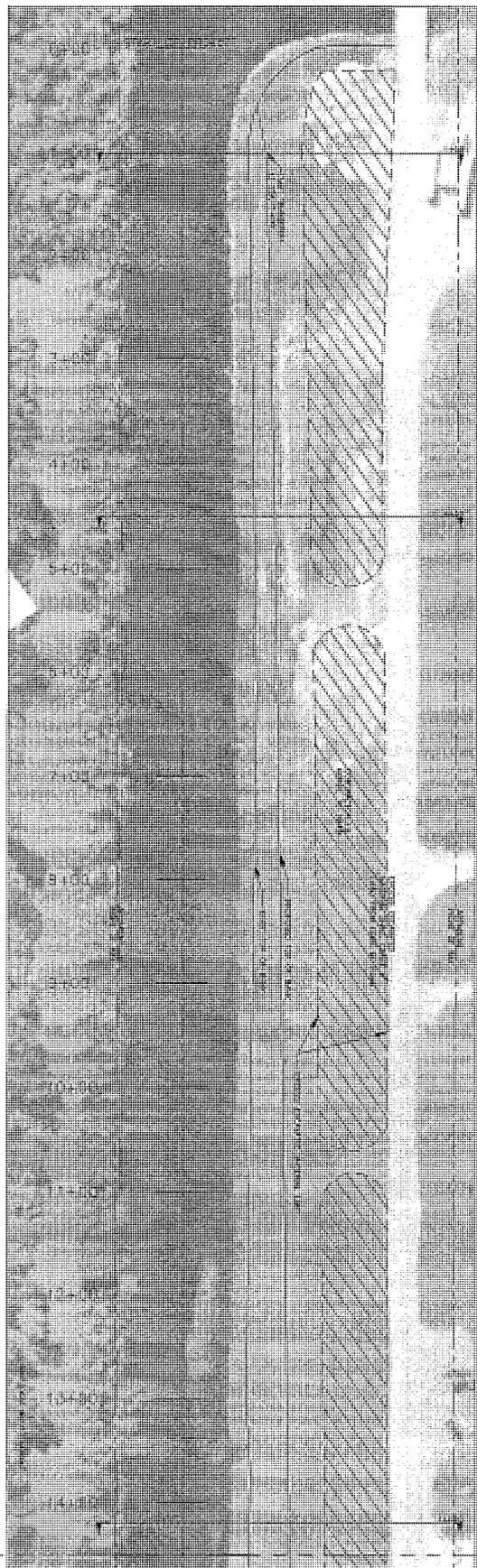
Δ CONCRETE PATH DETAIL
NOT TO SCALE

SHEET NO. D1	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT NORTH - DETAILS	DATE: Mar 14	DESIGNED BY: JAR		REVISIONS		APP'D
		SCALE: AS NOTED	DRAWN BY: GAB		DATE:	REMARKS:	
31 ~ 78		JOB NO. S005-04-01-13	CHECKED BY: CAF				

- GENERAL NOTES**
1. ALL WORK SHALL BE DONE TO THE HIGHEST STANDARDS AND IN CONFORMANCE WITH THE REQUIREMENTS OF THE PLACQUEMINES PARISH ENGINEERING AND CONSTRUCTION (PE&C) AND PLACQUEMINES PARISH DEPARTMENT OF LANDS.
 2. THE EXISTING CHANNEL SHALL BE CLEANED OF DEBRIS AND REPAIRS TO CONFORM TO THE TYPICAL SECTIONS SHOWN ON THE PLANS. ANY TREES IN THE CHANNEL SECTION SHALL BE REMOVED.
 3. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREIN HAVE BEEN DETERMINED FROM DATA OBTAINED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS, MAPS AND SURVEYS. THE ACTUAL NONVISIBLE UTILITIES MAY VARY FROM THOSE SHOWN. FIELD SURVEY SHOULD BE CONDUCTED TO VERIFY THE LOCATION OF SUCH UTILITIES SHOWN HEREIN, INCLUDING PROBE TO EXCAVATION AND TESTING.
 4. CONTRACTOR SHALL PROVIDE A PRE-CONSTRUCTION MEETING TO THE HOME AREA OF WORK INCLUDING ANY STRUCTURES WITHIN FIVE (5) FEET THEREOF. CONTRACTOR SHALL PROVIDE (2) COPIES IN PDF FORMAT ACCEPTABLE TO THE OWNER.
 5. ALL EXISTING UTILITY LOCATIONS ARE APPROXIMATE AND MUST BE FIELD VERIFIED BY THE CONTRACTOR. CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND DEPTHS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY EXCAVATION.
 6. CONTRACTOR SHALL CONTACT THE FOLLOWING ENTITIES AT LEAST THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION:
 - PLACQUEMINES PARISH GOVERNMENT
 - PLACQUEMINES PARISH ENGINEERING AND PUBLIC WORKS DEPARTMENT
 - PLACQUEMINES PARISH DEPARTMENT OF LANDS
 - PLACQUEMINES PARISH DEPARTMENT OF PUBLIC WORKS
 - PLACQUEMINES PARISH DEPARTMENT OF PUBLIC WORKS
 - PLACQUEMINES PARISH DEPARTMENT OF PUBLIC WORKS
 7. CONTRACTOR SHALL NOT INTERRUPT ANY UTILITY SERVICE TO ADJACENT PROPERTIES DURING CONSTRUCTION, WITHOUT PLACQUEMINES PARISH ENGINEERING AND PUBLIC WORKS DEPARTMENT (PE&C-27-3343) AT LEAST 48 HOURS BEFORE THE START OF SERVICE. NO UTILITY SERVICE INTERRUPTIONS WILL BE ALLOWED PRIOR TO 7:00 AM OR AFTER 6:00 PM.
 8. CONTRACTOR SHALL REMOVE OR ALL WASTE MATERIAL AND DEBRIS OFF SITE AT CONTRACTOR'S EXPENSE.
 9. CONTRACTOR TO MAINTAIN A CLEAN WORK SITE THROUGHOUT CONSTRUCTION. AFTER COMPLETION OF THE WORK, THE CONTRACTOR SHALL RESTORE THE SITE TO ORIGINAL CONDITION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED TO ORIGINAL CONDITION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED TO ORIGINAL CONDITION.
 10. CONTRACTOR SHALL NOT BE ALLOWED TO DISCHARGE SPILLAGE OR ANY KIND OF WASTE INTO CHANNELS OR STORM DRAINAGE SYSTEMS.
 11. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES. ANY ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
 12. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES. ANY ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
 13. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES. ANY ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
 14. ALL EXISTING UTILITIES AND EXISTING STRUCTURES SHALL REMAIN UNLESS OTHERWISE NOTED.
 15. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO BEGINNING CONSTRUCTION. ALL CONCRETE FOUNDATION SHALL BE REINFORCED AND SHALL BE APPROVED BY ENGINEER'S APPROVAL BEFORE SAW CUTTING AND POURING CONCRETE SHALL BE THE PLANS.
 16. CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ALL EXCESS EXCAVATED AND FILL MATERIALS OFF-SITE AT AN APPROVED SITE. CONTRACTOR SHALL NOT DISPOSE OF EXCESS EXCAVATED AND FILL MATERIALS AT ANY UNAPPROVED SITE. CONTRACTOR SHALL NOT DISPOSE OF EXCESS EXCAVATED AND FILL MATERIALS AT ANY UNAPPROVED SITE.
 17. THE CONTRACTOR SHALL NOT CONDUCT HIS OPERATION AS TO ENFORCE THE LATEST ACQUISITION OF THE GENERAL PUBLIC ADJACENT PROPERTY OWNERS AND BUSINESSSES CONTRACTOR SHALL PROVIDE AND MAINTAIN ACCESS TO ALL PROPERTIES AND TRAVEL TO AND FROM IN BOTH DIRECTIONS AT ALL TIMES.
 18. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES. ANY ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
 19. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES. ANY ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
 20. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES. ANY ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
 21. CONTRACTOR SHALL NOT CLOSE OR RESTRICT ACCESS ON ANY ROAD WITHOUT WRITTEN APPROVAL FROM THE PLACQUEMINES PARISH GOVERNMENT. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
 22. ALL ELEVATIONS SHOWN ON THE PLANS ARE IN MGD 88.
 23. ALL DIMENSIONS, DIMENSIONS, AND DISTANCE DIMENSIONS SHOWN ON PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO START OF CONSTRUCTION.
 24. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST OSHA STANDARDS AND REQUIREMENTS.
 25. CONTRACTOR SHALL PROVIDE THROUGHOUT PROTECTIVE CONTROL ON ALL EXCAVATED SURFACES WITH EROSION CONTROL MEASURES. CONTRACTOR SHALL PROVIDE THROUGHOUT PROTECTIVE CONTROL ON ALL EXCAVATED SURFACES WITH EROSION CONTROL MEASURES. CONTRACTOR SHALL PROVIDE THROUGHOUT PROTECTIVE CONTROL ON ALL EXCAVATED SURFACES WITH EROSION CONTROL MEASURES.
 26. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES. ANY ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
 27. ALL ADJACENT PROPERTIES SHOWN ON THESE PLANS WERE OBTAINED USING GOOGLE EARTH AND GOOGLE MAPS AND ARE PROVIDED FOR INFORMATION PURPOSES ONLY.



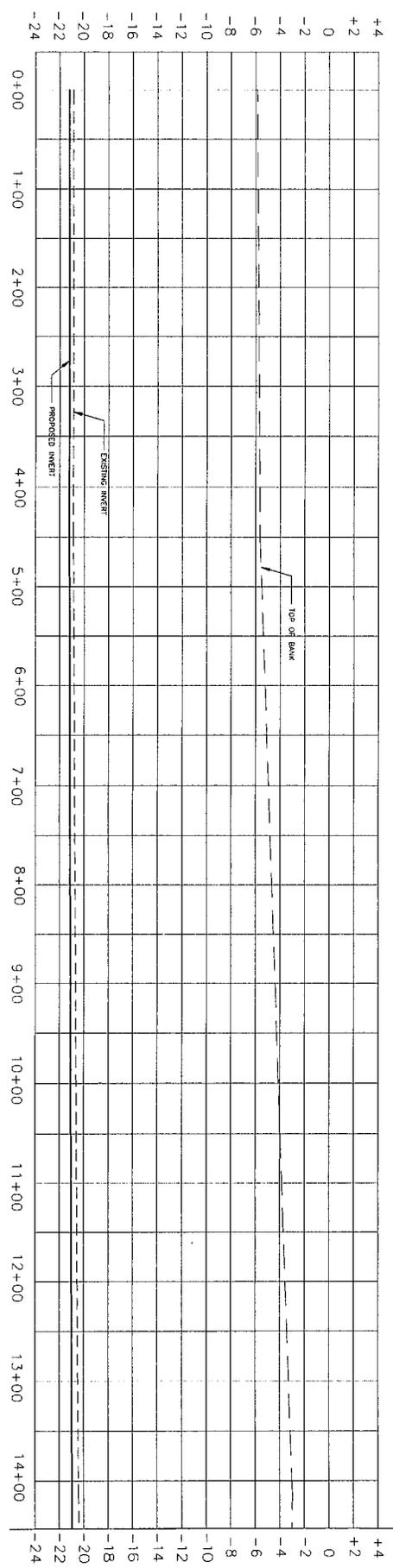
SHEET NO N1	BELLE CHASSE DRAINAGE MAINTENANCE PLACQUEMINES PARISH GOVERNMENT SOUTH - NOTES & KEY MAP	DATE: Mar 14	DESIGNED BY: JAR	STUART CONSULTING GROUP	PRELIMINARY NOT FOR CONSTRUCTION
		SCALE: AS NOTED	DRAWN BY: GAB		
32 of 78		JOB NO. S005-04-01-13	CHECKED BY: CAF		



PLAN
SCALE: 1" = 50'

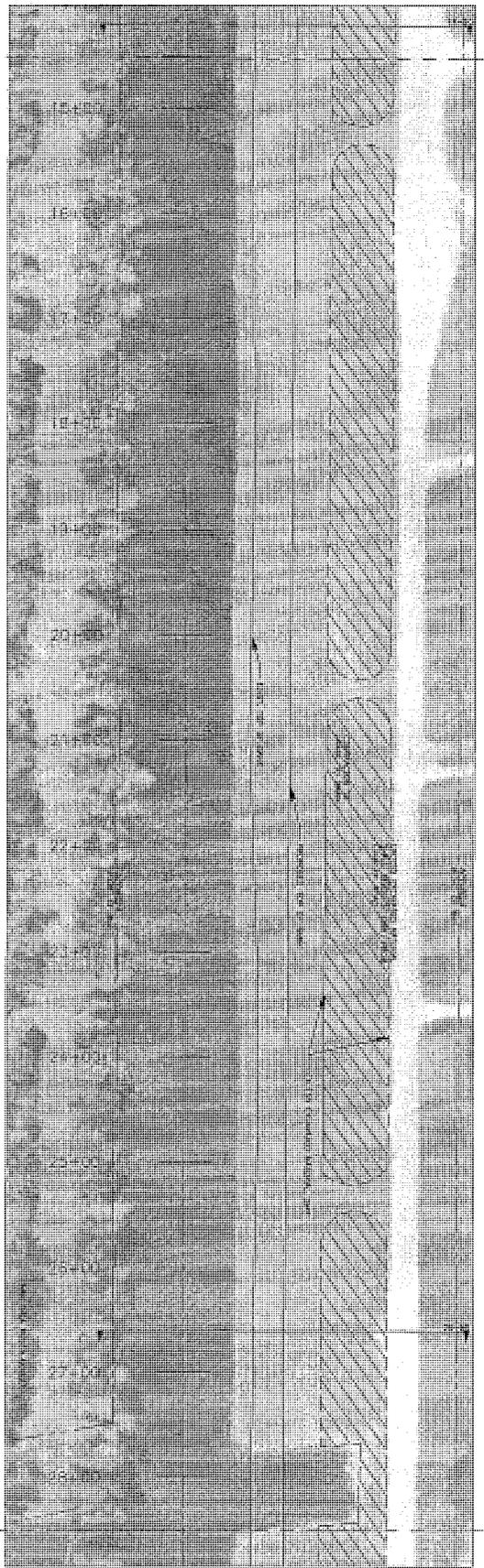


MATCHLINE
STA. 14+50



PROFILE
SCALE (H): 1" = 30'
SCALE (V): 1" = 2'

33 of 78 PP1	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT	DATE: Mar 14	DESIGNED BY: JAR		PRELIMINARY NOT FOR CONSTRUCTION
		SCALE: AS NOTED	DRAWN BY: GAB		
		JOB NO: S005-04-01-13	CHECKED BY: CAF		

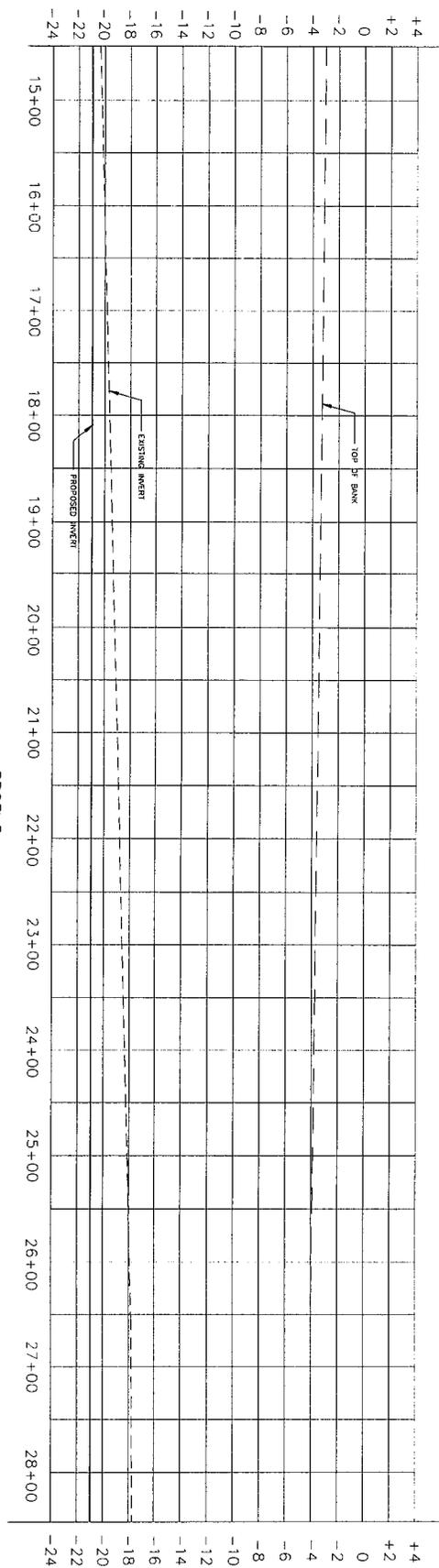


MATCHLINE
STA: 14+50

MATCHLINE
STA: 28+50

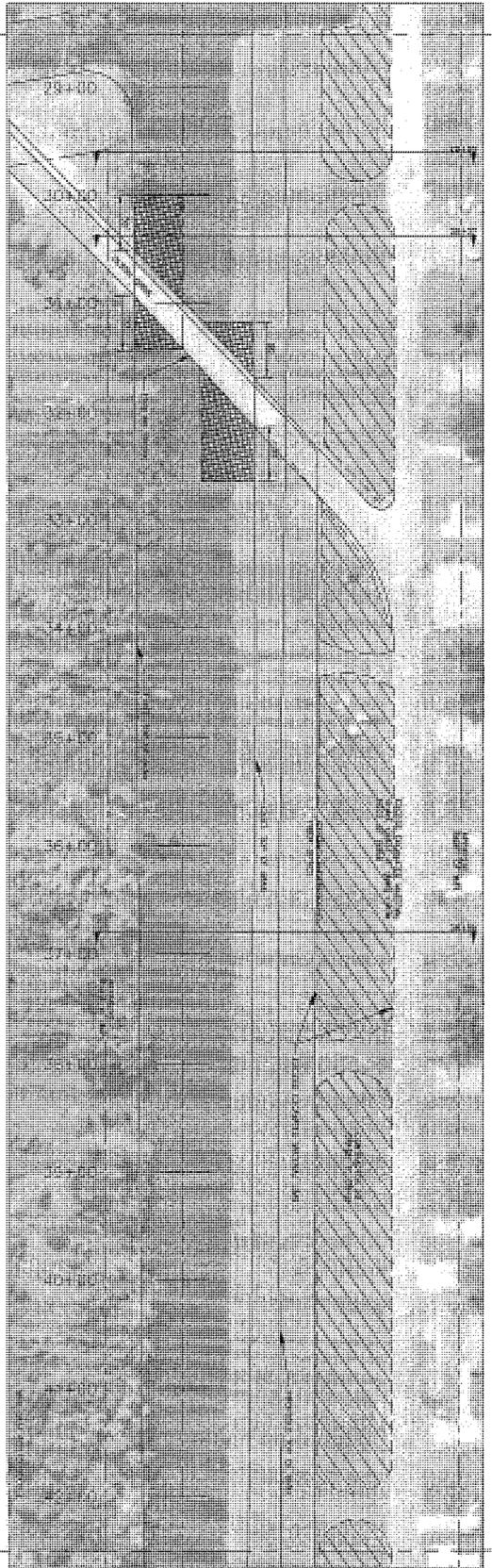


PLAN
SCALE: 1" = 50'



PROFILE
SCALE: 1" = 4'
SCALE (V): 1" = 4'

SHEET NO. PP2 34 of 78	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT	DATE: Mar 14	DESIGNED BY: JAR		PRELIMINARY NOT FOR CONSTRUCTION
	SOUTH - PLAN & PROFILE	SCALE: AS NOTED	DRAWN BY: GAB		
		JOB NO: S005-04-01-13	CHECKED BY: CAF		



MATCHLINE
STA: 28+50

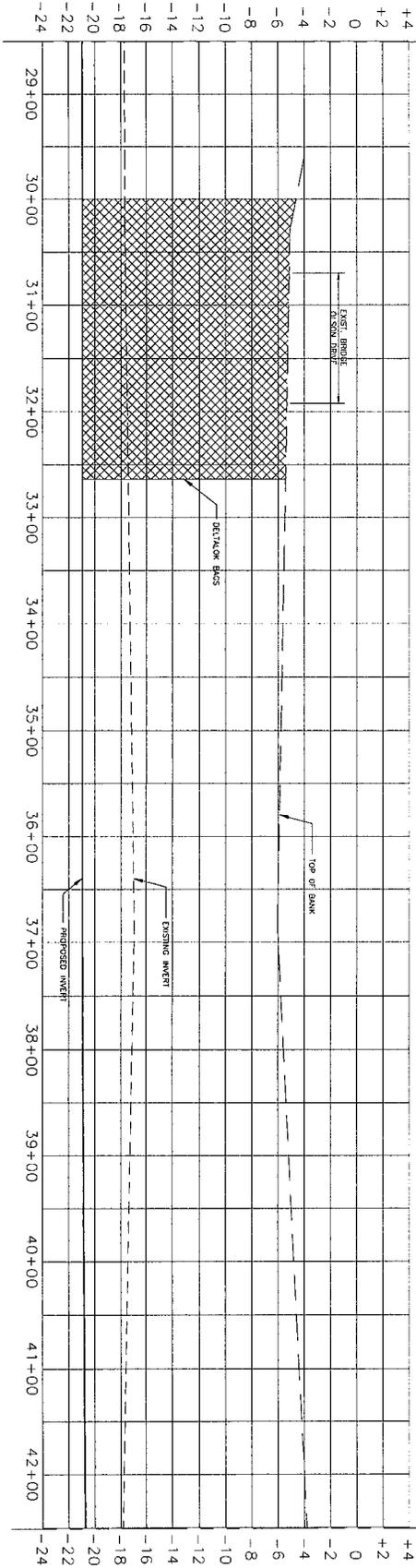


PLAN
SCALE: 1" = 50'



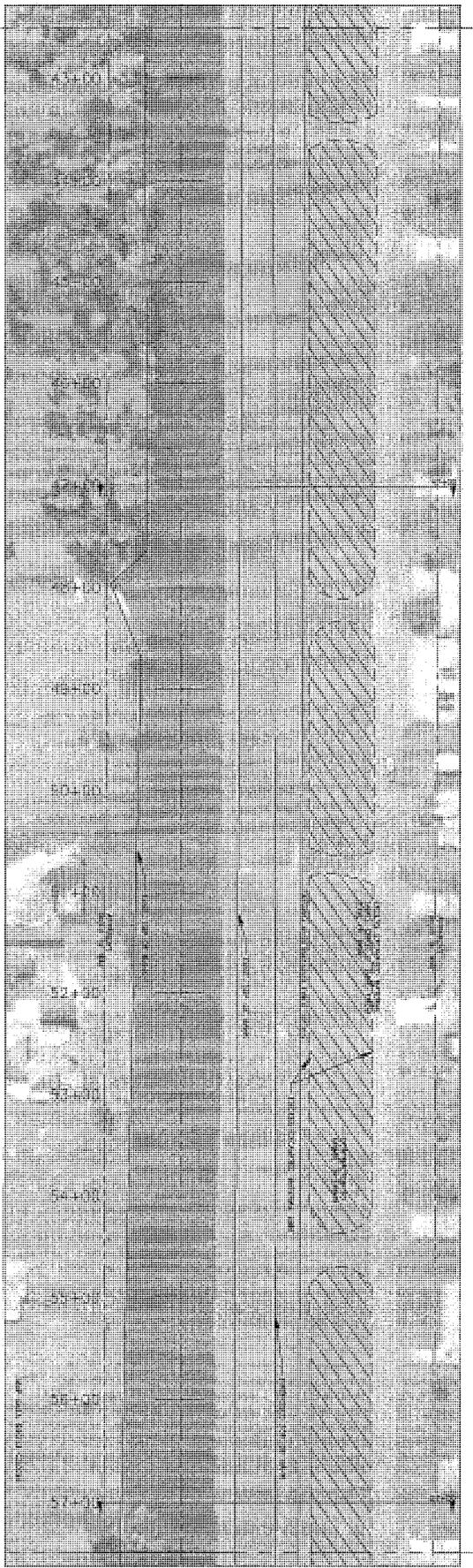
LEGEND:
 DELTALOK BAGS

MATCHLINE
STA: 42+50



PROFILE
 SCALE: 1" = 2'
 SCALE (V): 1" = 2'

SHEET NO. PP3	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT	DATE Mar 14	DESIGNED BY JAR	STUART CONSULTING GROUP	PRELIMINARY NOT FOR CONSTRUCTION
		SCALE AS NOTED	DRAWN BY GAB		
35 of 78	SOUTH - PLAN & PROFILE	JOB NO. S005-04-01-13	CHECKED BY CAF		

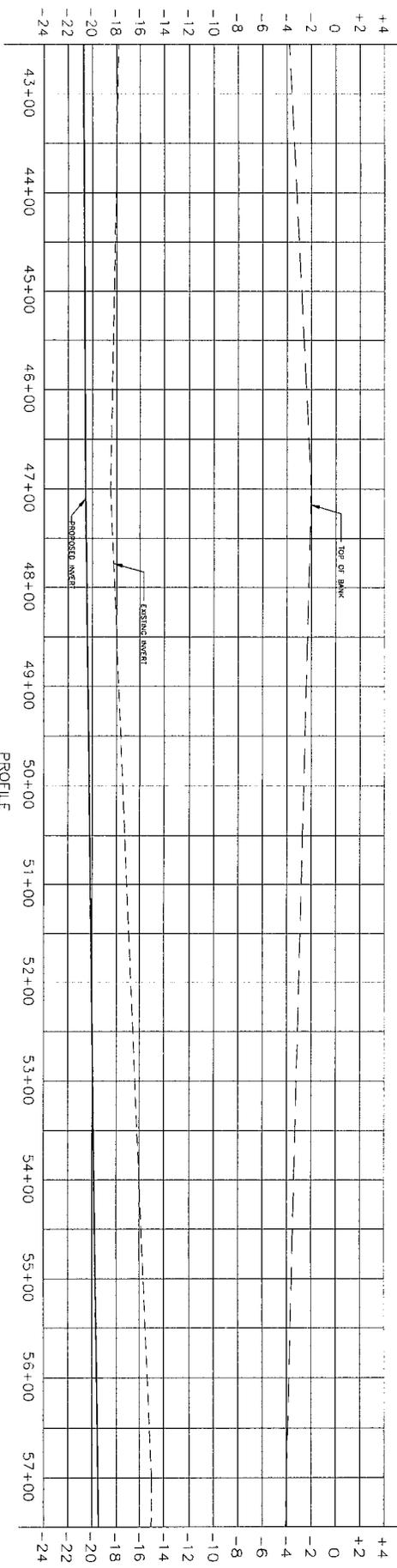


MATCHLINE
STA: 42+50



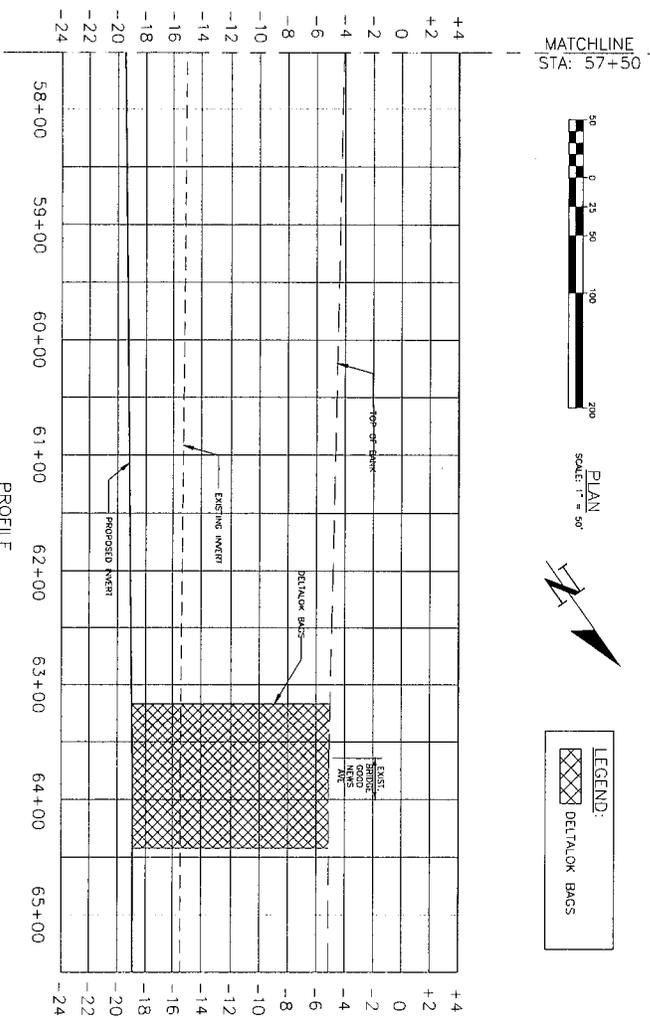
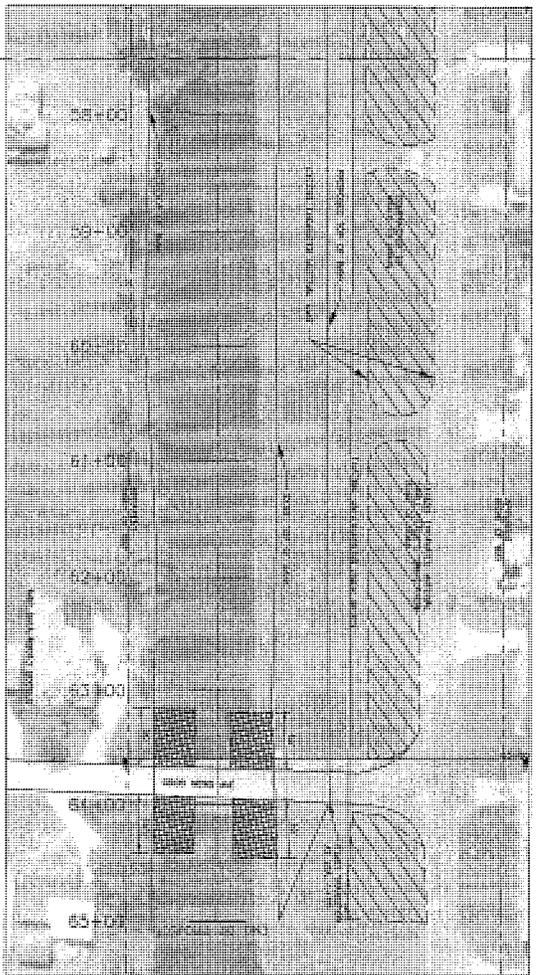
PLAN
SCALE: 1" = 50'

MATCHLINE
STA: 57+50

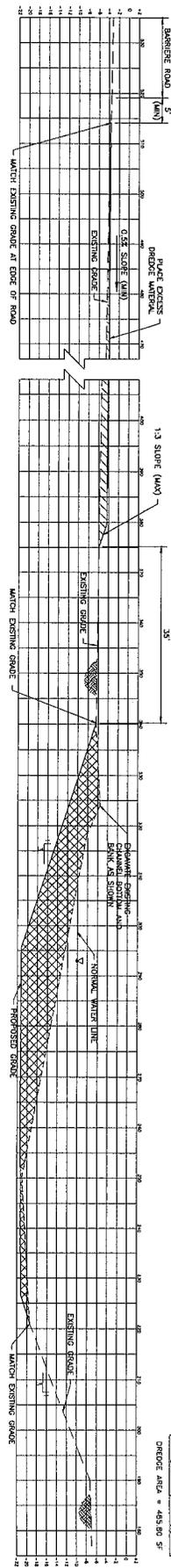


PROFILE
SCALE (H): 1" = 50'
SCALE (V): 1" = 2'

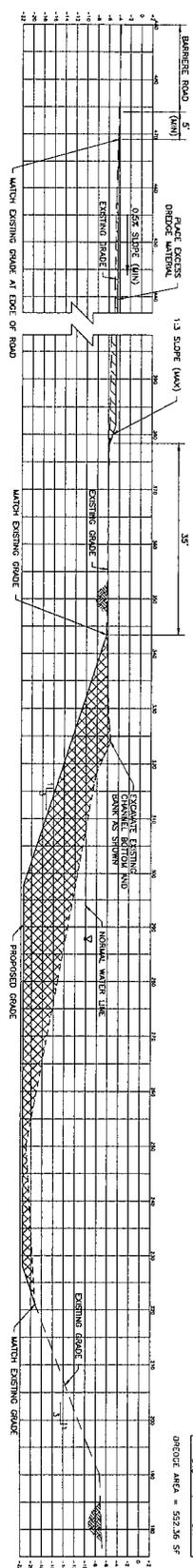
SHEET NO. pp4 36 of 78	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT		DATE: Mar 14	DESIGNED BY: JAR		PRELIMINARY NOT FOR CONSTRUCTION
			SCALE: AS NOTED	DRAWN BY: GAB		
			JOB NO. S005-04-01-13	CHECKED BY: CAF		
	SOUTH - PLAN & PROFILE					



37 of 78 	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT		DATE Mar 14	DESIGNED BY JAR		PRELIMINARY NOT FOR CONSTRUCTION	
			SCALE AS NOTED	DRAWN BY GAB			
			JOB NO. S005-04-01-13	CHECKED BY CAF			
	SOUTH PLARMINES PROFILE						



CROSS SECTION - STATION 01+00
SCALE 1" = 20'

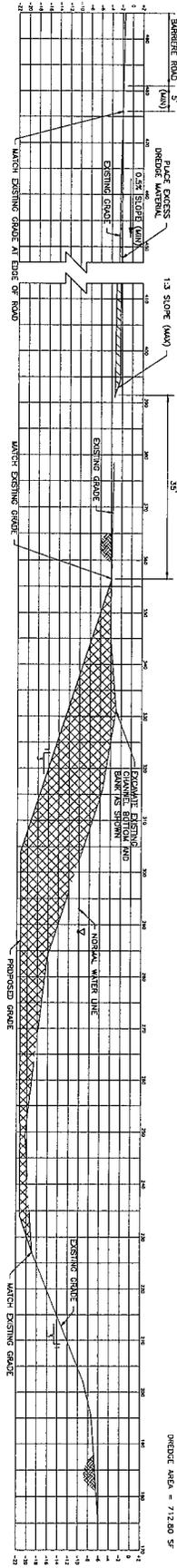


CROSS SECTION - STATION 04+50
SCALE 1" = 20'

LEGEND:

	EXCESS EXCAVATED MATERIAL
	EXCAVATION

38 of 78 SHEET NO. X1	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT SOUTH - CROSS SECTIONS	DATE: Mar 14 SCALE: AS NOTED JOB NO.: S005-04-01-13	DESIGNED BY: JAR DRAWN BY: GAB CHECKED BY: CAF		PRELIMINARY NOT FOR CONSTRUCTION
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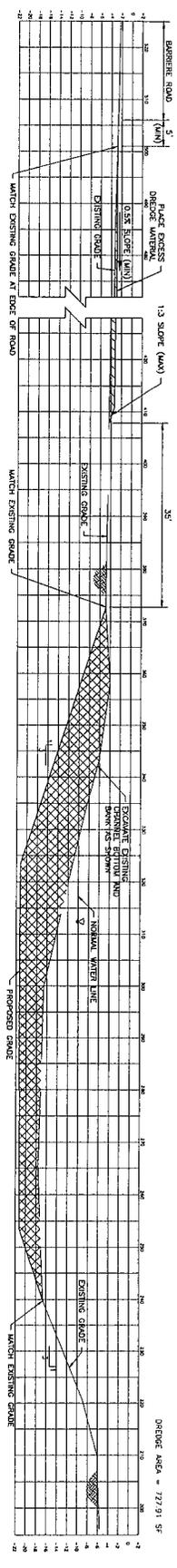
PROPOSED GRADE

DISTANCE	0	10	20	30	40	50	60	70	80	90	100
ELEVATION	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AREA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

DITCH AREA = 712.80 SF

CROSS SECTION - STATION 14+20

SCALE: 1" = 10'



PROPOSED GRADE

DISTANCE	0	10	20	30	40	50	60	70	80	90	100
ELEVATION	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
AREA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

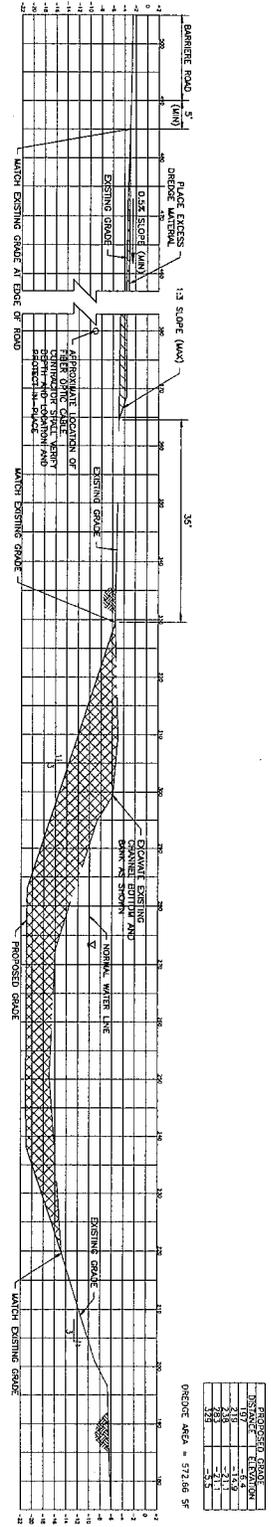
DITCH AREA = 172.91 SF

CROSS SECTION - STATION 26+60

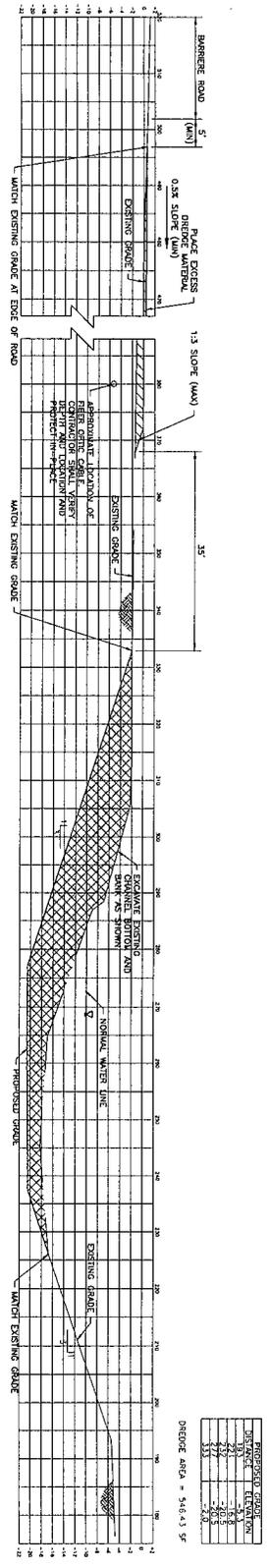
SCALE: 1" = 10'

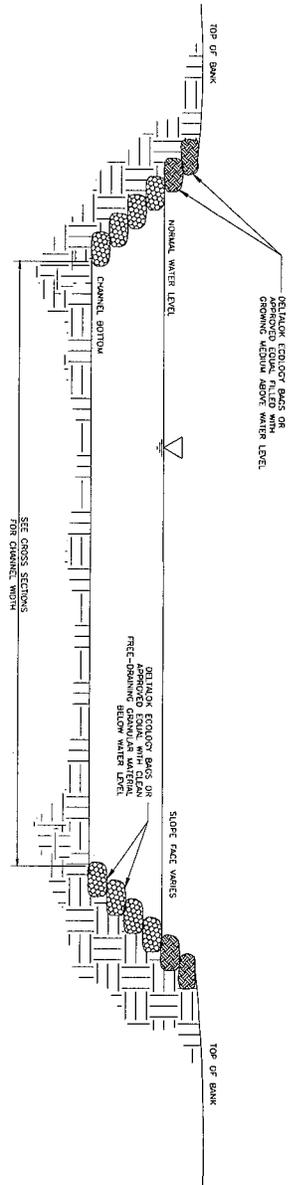
LEGEND:
 [Hatched Box] EXCESS EXCAVATED MATERIAL
 [Cross-hatched Box] EXCAVATION

SHEET NO. X2 39 of 78	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT	DATE: Mar 14	DESIGNED BY: JAR		PRELIMINARY NOT FOR CONSTRUCTION
			SCALE: AS NOTED		DRAWN BY: GAB
		SOUTH - CROSS SECTIONS	JOB NO. S005-04-01-13		CHECKED BY: CAF

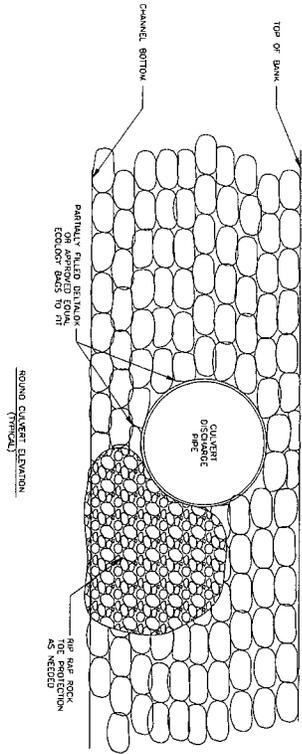


CROSS SECTION - STATION 36+80
SCALE 1" = 10'

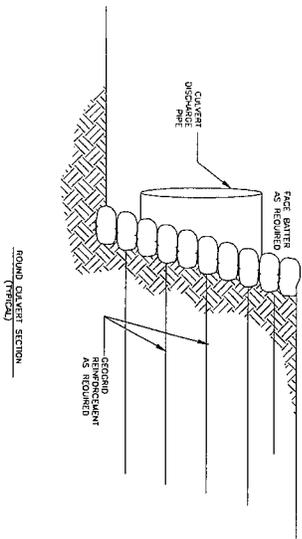




DELTAOK CHANNEL DETAIL
NOT TO SCALE

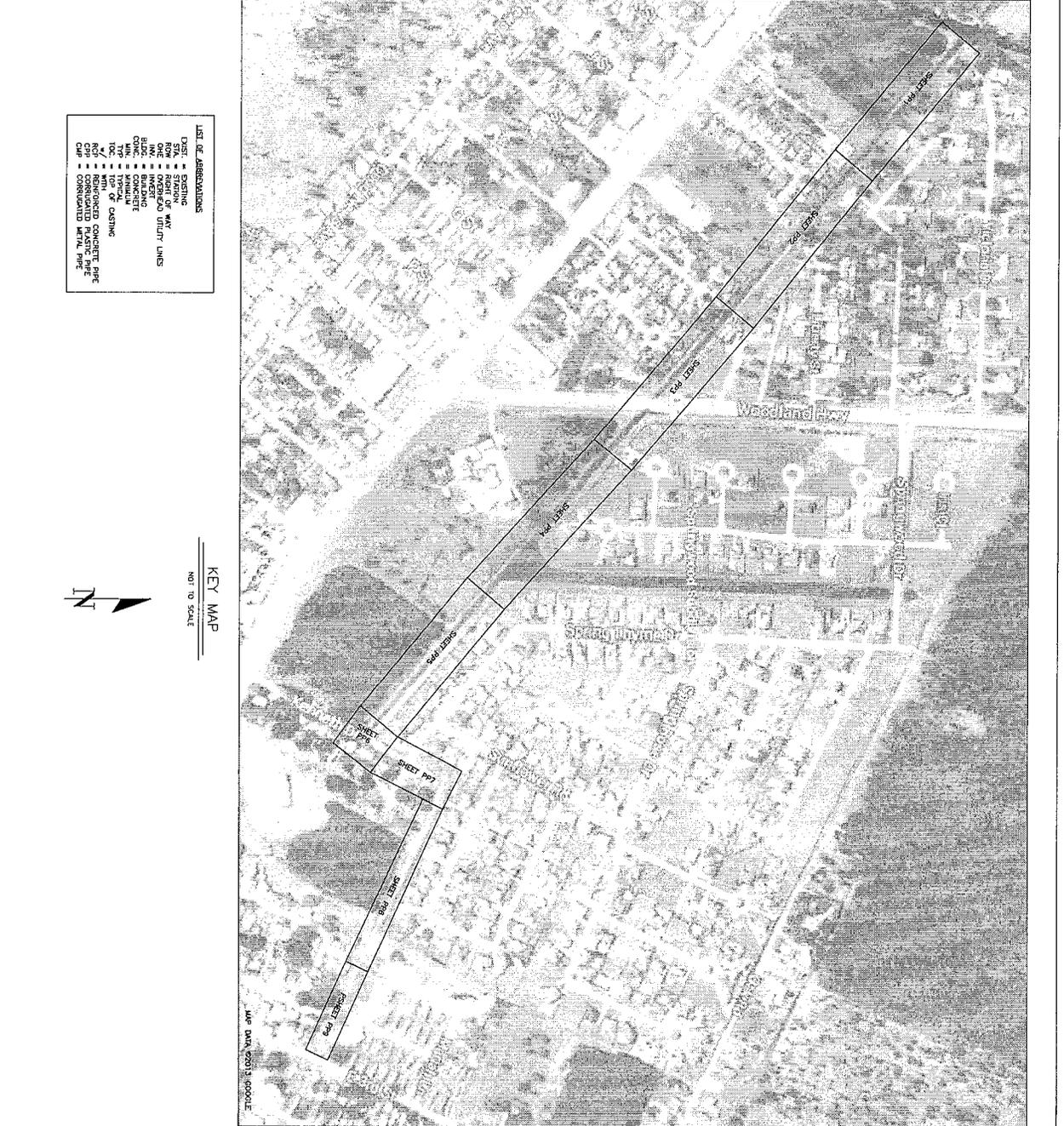


ROUND CULVERT ELEVATION (TYPICAL)
NOT TO SCALE



43 of 78 D1	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT	DATE: Mar 14 SCALE: AS NOTED JOB NO: S005-04-01-13	DESIGNED BY: JAR DRAWN BY: GAB CHECKED BY: CAF	STUART CONSULTING GROUP	PRELIMINARY NOT FOR CONSTRUCTION
	SOUTH - DETAILS				

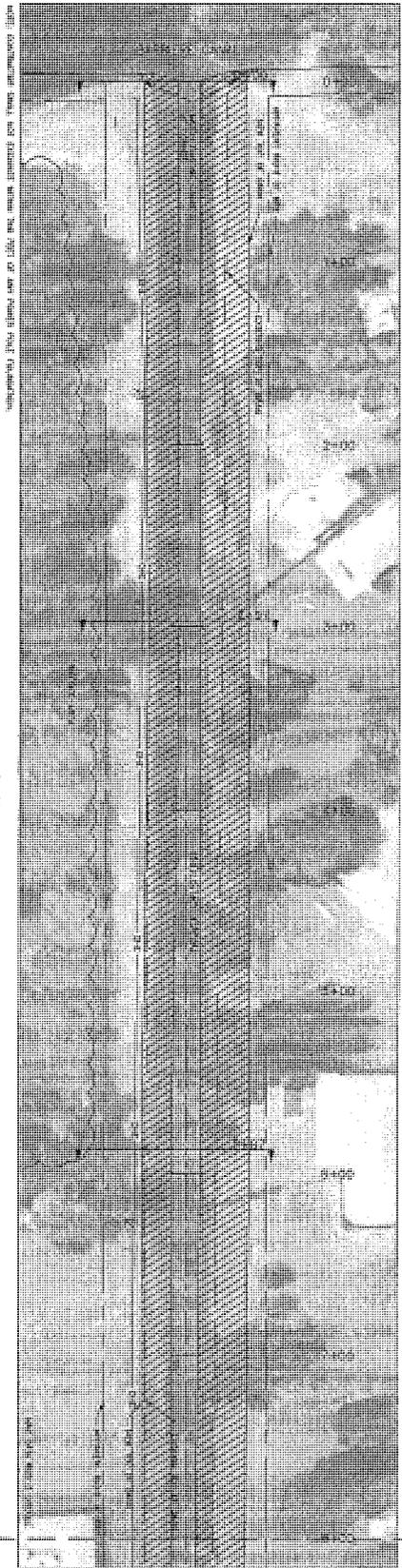
- GENERAL NOTES:
1. ALL WORK SHALL BE DONE TO THE HIGHEST STANDARDS AND IN CONFORMANCE WITH THE CODES AND REGULATIONS OF THE STATE OF LOUISIANA AND THE CITY OF PLACEMINES PARISH.
 2. CONTRACTOR SHALL PROVIDE ALL PERMITS INCLUDING, BUT NOT LIMITED TO, PLACEMINES PARISH BUILDING DEPARTMENT AND USACE.
 3. THE EXISTING CHANNEL SHALL BE CLEARED OF DEBRIS AND RESTORED TO CONFORM TO THE TYPICAL SECTION SHOWN ON THE PLAN. ANY TIES IN THE CHANNEL SECTION SHALL BE REPAIRED.
 4. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN EXTRACTED FROM RECORDS MADE AVAILABLE BY THE ARCHIVES CONTROLLING SUCH RECORDS. WHERE ANY DISCREPANCY IS NOTICED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ANY UNDERGROUND UTILITIES PRIOR TO ANY REMEDIAL WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ANY UNDERGROUND UTILITIES PRIOR TO ANY REMEDIAL WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ANY UNDERGROUND UTILITIES PRIOR TO ANY REMEDIAL WORK.
 5. CONTRACTOR SHALL PROTECT THE EXISTING UTILITIES AND STRUCTURES OF ADJACENT PROPERTIES. ANY STRUCTURES WITHIN FIFTY (50) FEET THEREOF SHALL BE PROTECTED BY THE CONTRACTOR. ANY STRUCTURES WITHIN FIFTY (50) FEET THEREOF SHALL BE PROTECTED BY THE CONTRACTOR.
 6. ALL EXISTING UTILITIES LOCATIONS ARE APPROXIMATE AND MUST BE FIELD VERIFIED BY THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ANY UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ANY UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ANY UTILITIES.
 7. CONTRACTOR SHALL CONTACT THE FOLLOWING AGENCIES AT LEAST THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION:
 - PLACEMINES PARISH GOVERNMENT
 - PLACEMINES PARISH ENGINEERING AND PUBLIC WORKS DEPARTMENT
 - MR. KEN BUCKLE, P.E. 504-897-2343
 - LOUISIANA ONE CALL 1-800-372-3020
 8. CONTRACTOR SHALL NOT INTERRUPT ANY UTILITY SERVICE TO ADJACENT PROPERTIES DURING CONSTRUCTION. CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL UTILITIES. CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL UTILITIES. CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL UTILITIES.
 9. CONTRACTOR SHALL OBTAIN PERMISSION FROM ALL ADJACENT PROPERTY OWNERS PRIOR TO ANY CONSTRUCTION. CONTRACTOR SHALL OBTAIN PERMISSION FROM ALL ADJACENT PROPERTY OWNERS PRIOR TO ANY CONSTRUCTION. CONTRACTOR SHALL OBTAIN PERMISSION FROM ALL ADJACENT PROPERTY OWNERS PRIOR TO ANY CONSTRUCTION.
 10. CONTRACTOR TO MAINTAIN A CLEAN WORK SITE THROUGHOUT CONSTRUCTION. AFTER COMPLETION OF WORK, CONTRACTOR SHALL CLEAN AND REPAIR THE AREA AROUND THE WORK SITE TO THE ORIGINAL CONDITION. CONTRACTOR SHALL CLEAN AND REPAIR THE AREA AROUND THE WORK SITE TO THE ORIGINAL CONDITION. CONTRACTOR SHALL CLEAN AND REPAIR THE AREA AROUND THE WORK SITE TO THE ORIGINAL CONDITION.
 11. CONTRACTOR SHALL NOT USE ANY ADJACENT PROPERTY FOR STORAGE OF MATERIALS OR EQUIPMENT. CONTRACTOR SHALL NOT USE ANY ADJACENT PROPERTY FOR STORAGE OF MATERIALS OR EQUIPMENT. CONTRACTOR SHALL NOT USE ANY ADJACENT PROPERTY FOR STORAGE OF MATERIALS OR EQUIPMENT.
 12. CONTRACTOR SHALL NOT BE ALLOWED TO DISCHARGE SEWAGE FLOWS OR ANY KIND OF WASTE INTO THE CHANNEL OR SURFACE WATER.
 13. CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL UTILITIES. CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL UTILITIES. CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL UTILITIES.
 14. ALL EXISTING UTILITIES AND STRUCTURES SHALL REMAIN UNLESS OTHERWISE NOTED.
 15. CONTRACTOR SHALL RESPECT ALL EXISTING UTILITIES AND STRUCTURES. CONTRACTOR SHALL RESPECT ALL EXISTING UTILITIES AND STRUCTURES. CONTRACTOR SHALL RESPECT ALL EXISTING UTILITIES AND STRUCTURES.
 16. CONTRACTOR SHALL REMOVE AND REPAIR ANY ROADWAY DAMAGE AND/OR STRUCTURES DAMAGED BY CONSTRUCTION. ALL CONCRETE PAVEMENT SHALL BE REPAIRED TO MEET THE ORIGINAL STANDARDS. CONTRACTOR SHALL REMOVE AND REPAIR ANY ROADWAY DAMAGE AND/OR STRUCTURES DAMAGED BY CONSTRUCTION.
 17. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL ADJACENT PROPERTY OWNERS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL ADJACENT PROPERTY OWNERS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL ADJACENT PROPERTY OWNERS.
 18. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES AND STRUCTURES. CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES AND STRUCTURES. CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES AND STRUCTURES.
 19. CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL UTILITIES. CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL UTILITIES. CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL UTILITIES.
 20. CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL UTILITIES. CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL UTILITIES. CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL UTILITIES.
 21. CONTRACTOR SHALL NOT OBTAIN ACCESS TO ANY ROADS WITHOUT WRITTEN APPROVAL FROM THE ENGINEER. CONTRACTOR SHALL NOT OBTAIN ACCESS TO ANY ROADS WITHOUT WRITTEN APPROVAL FROM THE ENGINEER. CONTRACTOR SHALL NOT OBTAIN ACCESS TO ANY ROADS WITHOUT WRITTEN APPROVAL FROM THE ENGINEER.
 22. ALL ELEVATIONS SHOWN ON THE PLAN ARE VERTICALLY CORRECTED TO THE MEAN SEA LEVEL DATUM.
 23. ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS SHOWN ON PLAN SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO START OF CONSTRUCTION.
 24. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST OSHA STANDARDS AND REQUIREMENTS.
 25. CONTRACTOR SHALL PROVIDE TEMPORARY EROSION CONTROL ON ALL EXCAVATED SURFACES. UNITS SHALL BE PROTECTED FROM EROSION. CONTRACTOR SHALL PROVIDE TEMPORARY EROSION CONTROL ON ALL EXCAVATED SURFACES. UNITS SHALL BE PROTECTED FROM EROSION. CONTRACTOR SHALL PROVIDE TEMPORARY EROSION CONTROL ON ALL EXCAVATED SURFACES.
 26. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES.
 27. ALL EXISTING UTILITIES SHOWN ON THESE PLANS WERE OBTAINED USING SONAR, GROUND PENETRATING RADAR, AND OTHER METHODS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ANY UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ANY UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ANY UTILITIES.
 28. AT NO TIME SHALL ANY WORKER OR EQUIPMENT OPERATE WITHIN 20 FEET OF ANY EXCAVATED TRENCHES.
 29. CONTRACTOR SHALL CONTACT THE FOLLOWING PERSONNEL FROM EXTERIOR AT LEAST TWO (2) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION WITHIN 100 FEET OF TRANSMISSION LINES:
 - PLACEMINES PARISH GOVERNMENT
 - PLACEMINES PARISH ENGINEERING AND PUBLIC WORKS DEPARTMENT
 - MR. KEN BUCKLE, P.E. 504-897-2343
 - LOUISIANA ONE CALL 1-800-372-3020



REVISIONS		DATE	REMARKS	APPROVED

DATE:	Mar 14	DESIGNED BY:	JAR
SCALE:	AS NOTED	DRAWN BY:	GAB
JOB NO.:	S005-04-01-13	CHECKED BY:	CAF

SHEET NO. N1		BELLE CHASSE DRAINAGE MAINTENANCE	
44 of 78		PLACEMINES PARISH GOVERNMENT	
		INDUSTRY - NOTES & KEY MAP	

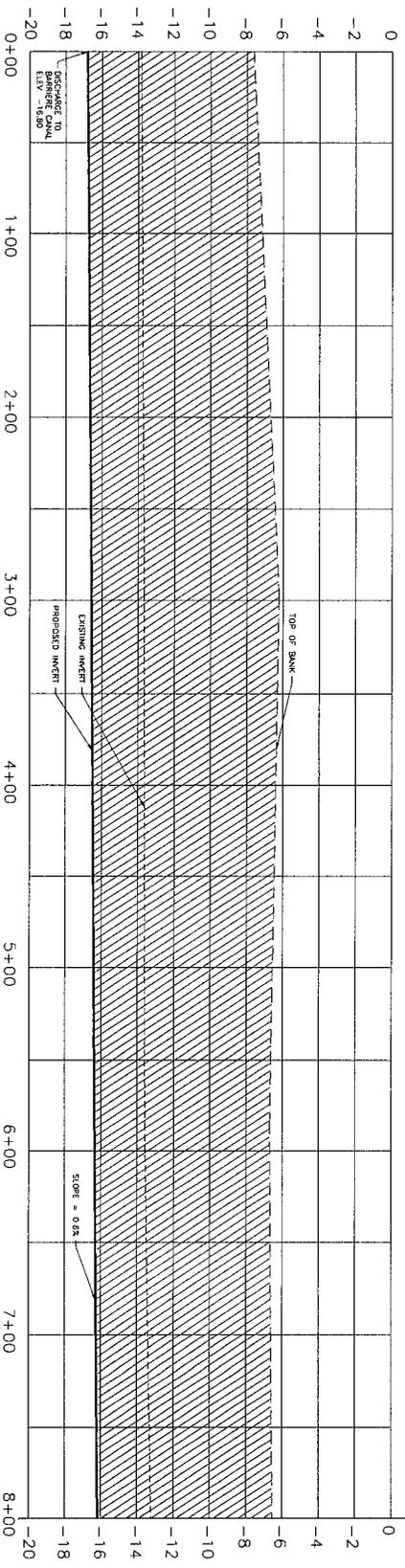


NOTE: Elevation on this plan statement is the top of the proposed ditch.

SCALE: 1" = 30'-0"



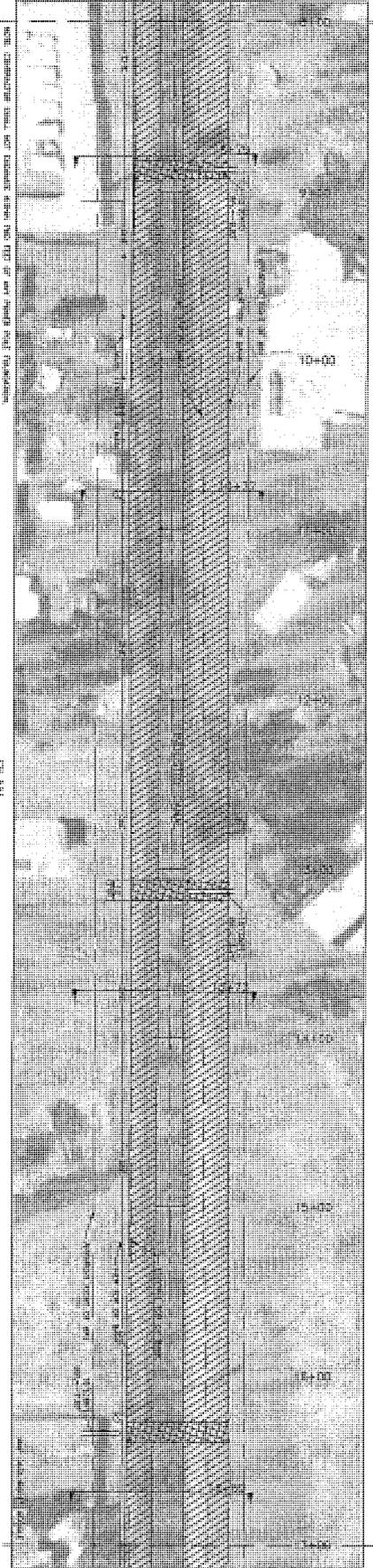
LEGEND	
	STONEBLOCK WALL ASSUMED (OR APPROVED EQUAL)
	DETAIL OF SLOPE PROTECTION (OR APPROVED EQUAL)
	WOODS
	FENCELINE
	OVERHEAD UTILITY LINES
	POWER POLE



PROFILE
SCALE (H) 1" = 30'-0"
SCALE (V) 1" = 3'-0"

MATCHLINE
STA: 8+00

SHEET NO. pp1	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT INDUSTRY - PLAN AND PROFILE	DATE: Mar 14	DESIGNED BY: JAR		REVISIONS	APP'D.
		SCALE: AS NOTED	DRAWN BY: GAB		DATE:	
45 of 78		JOB NO: S005-04-01-13	CHECKED BY: CAF			



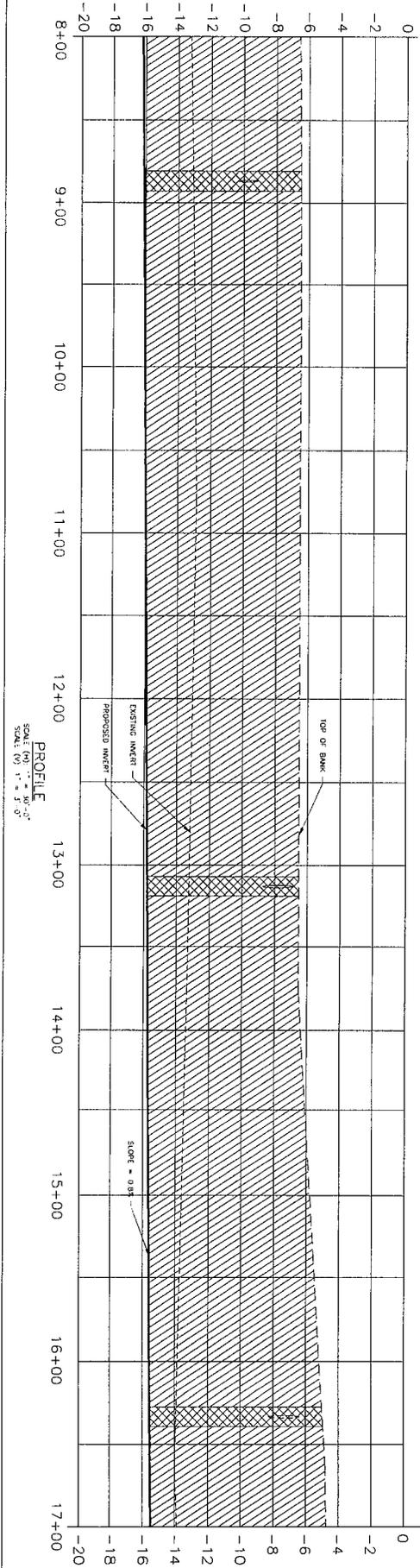
NOTE: CONSTRUCTION SHALL BE ACCORDING TO THE SPECIFICATIONS FOR ROADWAY CONSTRUCTION.

SCALE: 1" = 30'-0"



MATCHLINE
STA: 8+00

MATCHLINE
STA: 17+00



PROFILE
SCALE (H) 1" = 30'-0"
SCALE (V) 1" = 3'-0"

LEGEND

- STONE/GRASS MAT ASSEMBLY (OR APPROVED EQUIV.)
- 24" ALUM. SLOPE PROTECTION (OR APPROVED EQUIV.)
- WOODS
- FENCING
- OVERHEAD UTILITY LINES
- POWER POLE

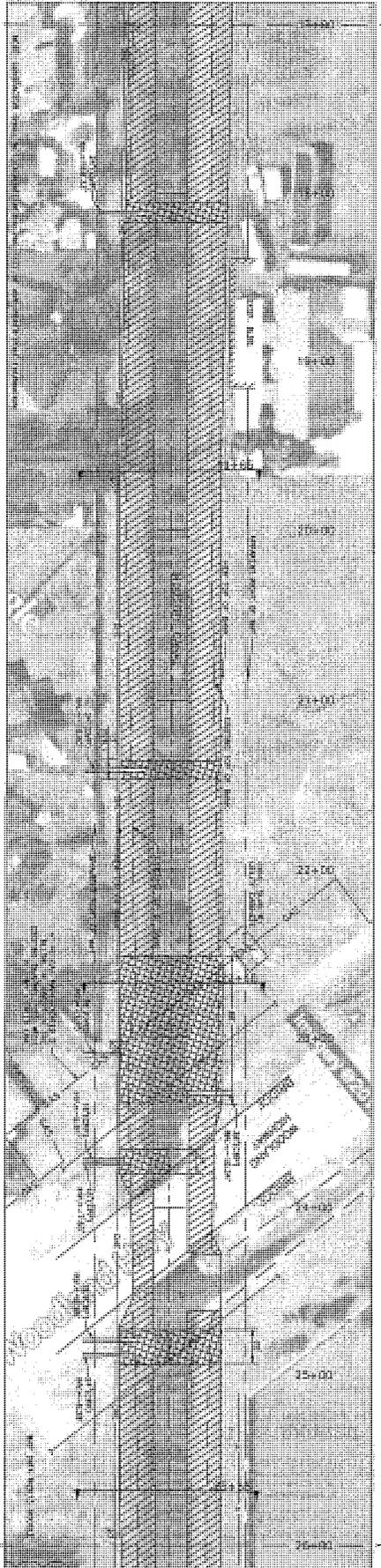
SHEET NO. 46 of 78
PP2

BELLE CHASSE DRAINAGE MAINTENANCE
PLAQUEMINES PARISH GOVERNMENT
INDUSTRY - PLAN AND PROFILE

DATE: Mar 14
DESIGNED BY: JAR
SCALE: AS NOTED
DRAWN BY: GAB
JOB NO.: S005-04-01-13
CHECKED BY: CAF



REVISIONS		APP'D
DATE	REMARKS	



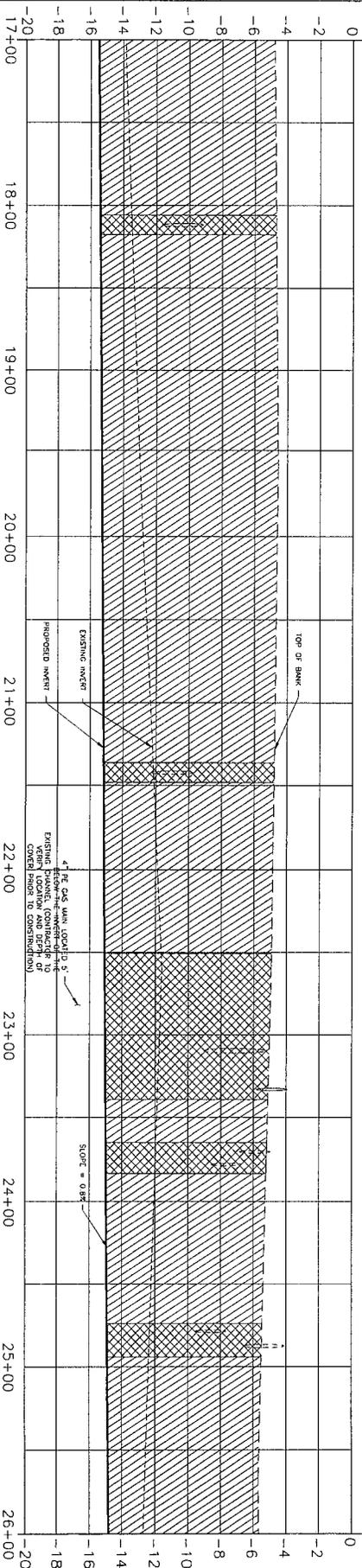
MATCHLINE
STA: 17+00



LEGEND	
	SHOULDER GRASS MAT ASSEMBLY (SEE APPROPRIATE DRAWING)
	GRAVEL SLOPE PROTECTION (SEE APPROPRIATE DRAWING)
	WOODS
	FENCELINE
	OVERHEAD UTILITY LINES
	POWER POLE



MATCHLINE
STA: 26+00



SCALE (H) = 1" = 30'-0"
SCALE (V) = 1" = 3'-0"

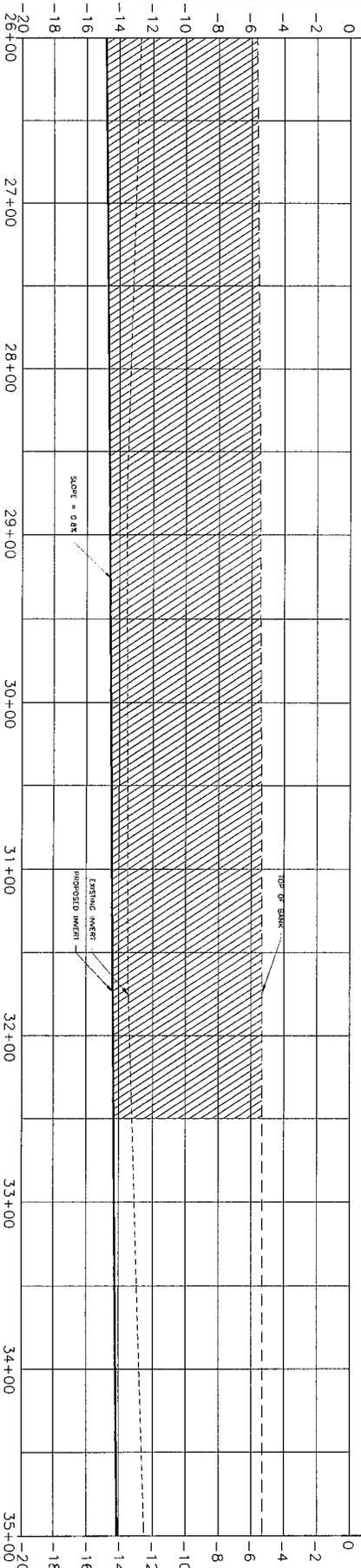
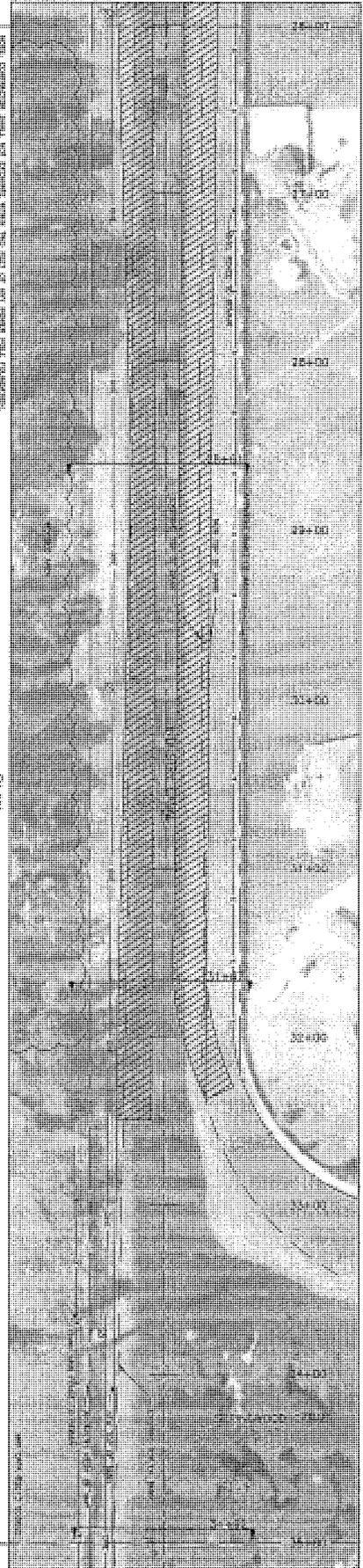
SHEET NO.
PP3
47 of 78

BELLE CHASSE DRAINAGE MAINTENANCE
PLAQUEMINES PARISH GOVERNMENT
INDUSTRY - PLAN AND PROFILE

DATE:	Mar 14	DESIGNED BY:	JAR
SCALE:	AS NOTED	DRAWN BY:	GAB
APP NO.:	S005-04-01-13	CHECKED BY:	CAF



REVISIONS		APP'D
DATE	REMARKS	



LEGEND

- SHOEBLOCK WALL ASSEMBLY (OR APPROVED EQUIV.)
- DETAIL OF SLOPE PROTECTION (OR APPROVED EQUIV.)
- WOODS
- FENCELINE
- OVERHEAD UTILITY LINES
- POWER POLE

PROFILE
SCALE: 1" = 10'-0"

SCALE: 1" = 30'-0"

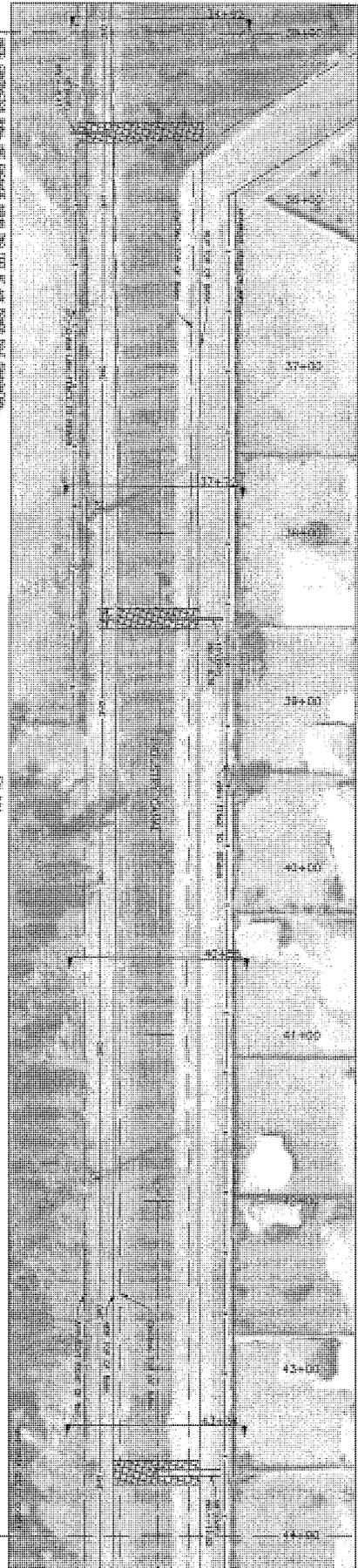
SHEET NO. PP4
48 OF 78

BELLE CHASSE DRAINAGE MAINTENANCE
PLAQUEMINES PARISH GOVERNMENT
INDUSTRY - PLAN AND PROFILE

DATE: Mar 14
DESIGNED BY: JAR
SCALE: AS NOTED
DRAWN BY: GAB
JOB NO.: S005-04-01-13
CHECKED BY: CAF

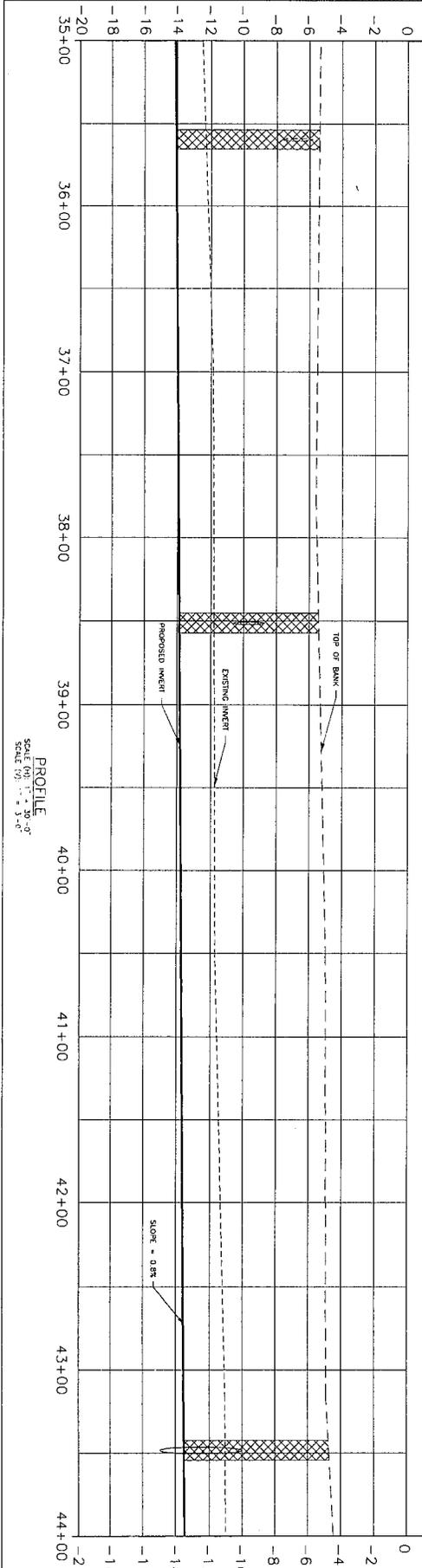
STUART CONSULTING GROUP

REVISIONS		APP'D
DATE	REMARKS	



MATCHLINE
STA: 35+00

MATCHLINE
STA: 44+00



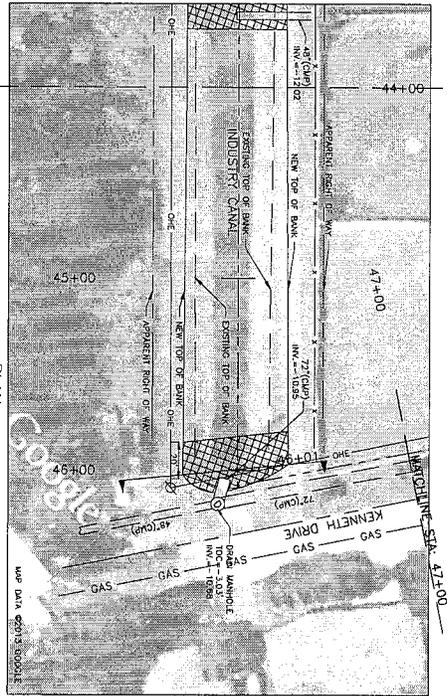
PROFILE
SCALE (H) 1" = 20'-0"
SCALE (V) 1" = 2'-0"

LEGEND

- SHOREROCK MAT ASSEMBLY (ON APPROXIMATE EARTH)
- DELTA-SLOPE PROTECTION (ON APPROXIMATE EARTH)
- WOODS
- FENCELINE
- OVERHEAD UTILITY LINES
- POWER POLE



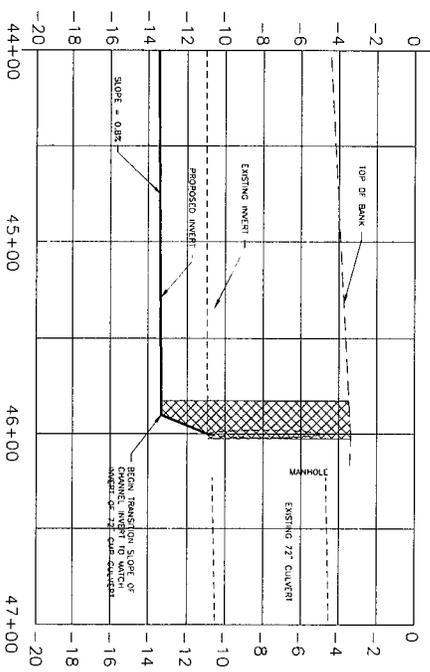
SHEET NO. PPS 49 of 78	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT INDUSTRY - PLAN AND PROFILE		DATE: Mar 14	DESIGNED BY: JAR		REVISIONS		APP'D	
			SCALE: AS NOTED	DRAWN BY: GAB		DATE:	REMARKS:		
			JOB NO. S005-04-01-13	CHECKED BY: CAF					



MATCHLINE
STA: 44+00

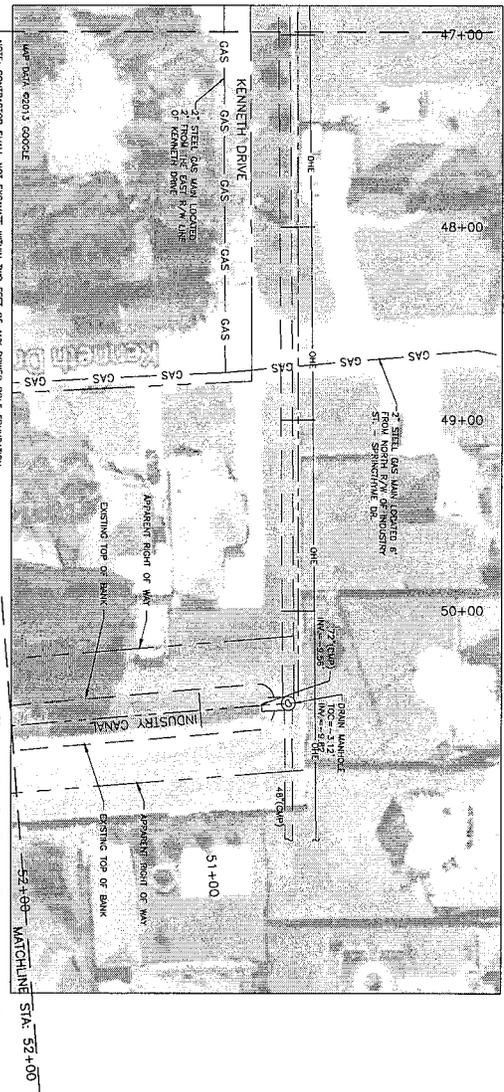
LEGEND

- STONEBLOCK UNIT ASSEMBLY
- 72" DIA. PIPE
- MANHOLE
- TOP OF PROPOSED EMBANKMENT
- WOODS
- FENCING LINE
- OVERHEAD UTILITY LINES
- POWER POLE



NOTE: CONTRACTOR SHALL NOT EXCAVATE WITHIN TWO FEET OF ANY POWER POLE FOUNDATION.

SHEET NO. PP6 50 of 78	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT	DATE: Mar 14 SCALE: AS NOTED JOB NO. S005-04-01-13	DESIGNED BY: JAR DRAWN BY: GAB CHECKED BY: CAF	STUART CONSULTING GROUP	REVISIONS DATE: REMARKS: APP'D:
	INDUSTRY - PLAN AND PROFILE				



PLAN
SCALE: 1" = 30'-0"

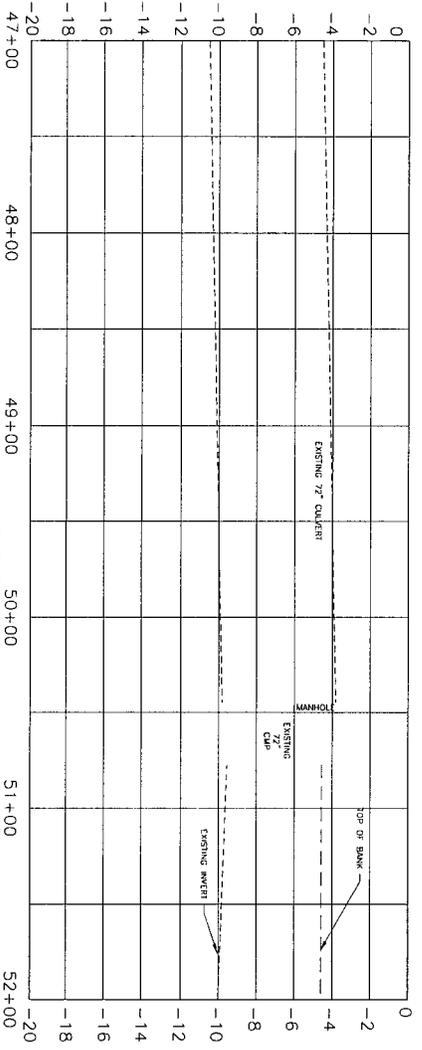


LEGEND

	SUPERINTENDENT AND ASSISTANT (ON APPROVED LAYOUT)
	DELIMITED SLOPE PROTECTION (ON APPROVED LAYOUT)
	WOODS
	FENCELINE
	OVERHEAD UTILITY LINES
	POWER POLE

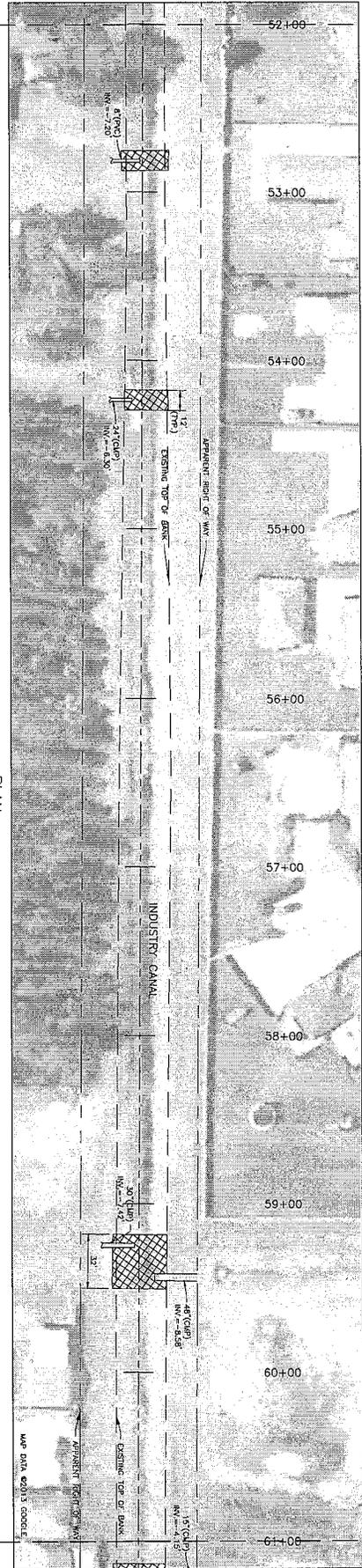
MATCHLINE
STA: 47+00

NOTE: CONTRACTOR SHALL NOT EXCAVATE WITHIN TWO FEET OF ANY POWER POLE FOUNDATION.



PROFILE
SCALE: HORIZ. 1" = 30'-0"
SCALE: VERT. 1" = 4'-0"

SHEET NO. PP7 51 of 78	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT INDUSTRY - PLAN AND PROFILE	DATE: Mar 14 SCALE: AS NOTED JOB NO: S005-04-01-13	DESIGNED BY: JAR DRAWN BY: GAB CHECKED BY: CAF	STUART CONSULTING GROUP	REVISIONS DATE: REMARKS: APP'D:
	(Empty revision table)				



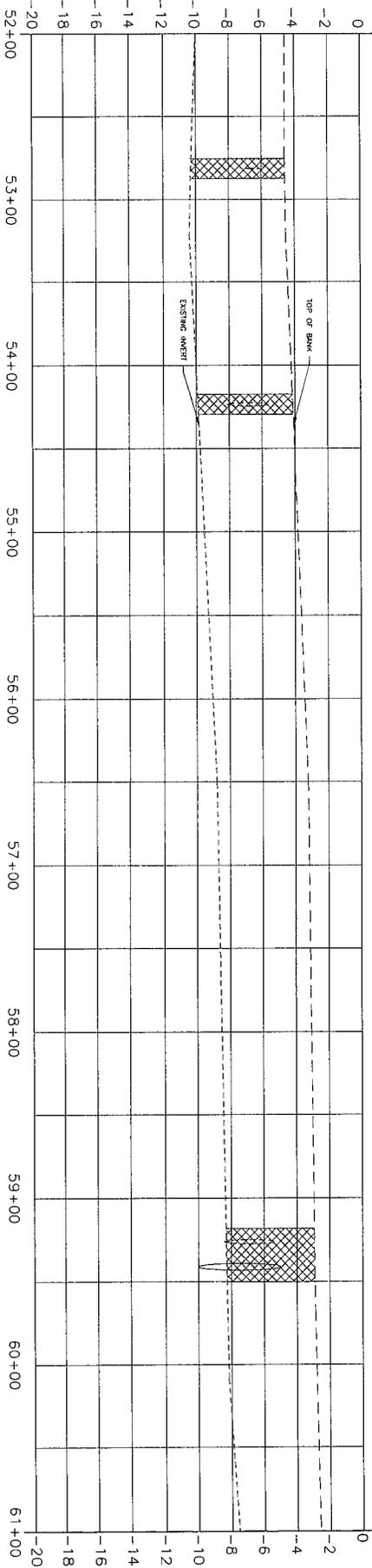
NOTE: CONSTRUCTION SHALL NOT EXHAUME WITHIN TWO FEET OF ANY POWER POLE FOUNDATION.

SCALE 1" = 30'-0"



MATCHLINE
STA: 52+00

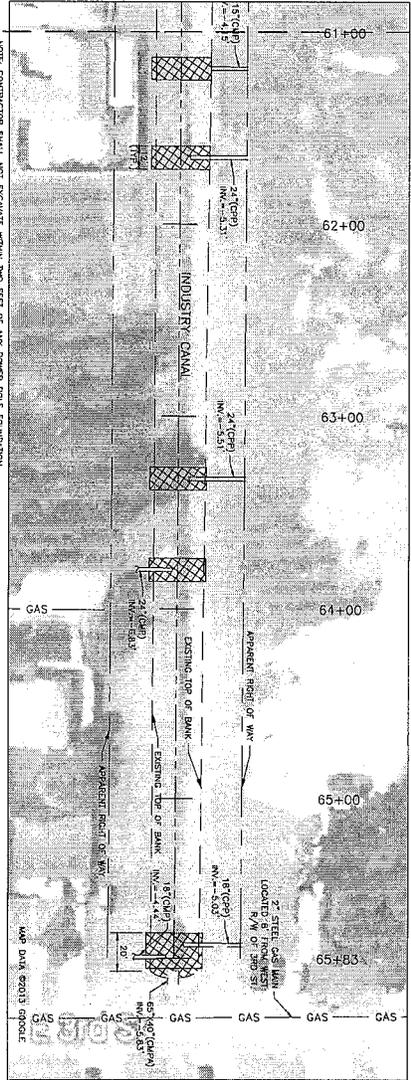
MATCHLINE
STA: 61+00



PROFILE
SCALE (H) 1" = 30'-0"
SCALE (V) 1" = 3'-0"

LEGEND	
	STRUCTURE MAT ASSEMBLY (OR SPANNER) (SEE APPROPRIATE SECTION)
	WOODS
	FENCELINE
	ONE-HEAD OUTLINE LINES
	POWER POLE

52 of 78 P88	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT		DATE: Mar 14 SCALE: AS NOTED JOB NO: S005-04-01-13	DESIGNED BY: JAR DRAWN BY: GAB CHECKED BY: CAF	STUART CONSULTING GROUP	REVISIONS		APP'D.
						DATE: _____ REMARKS: _____		



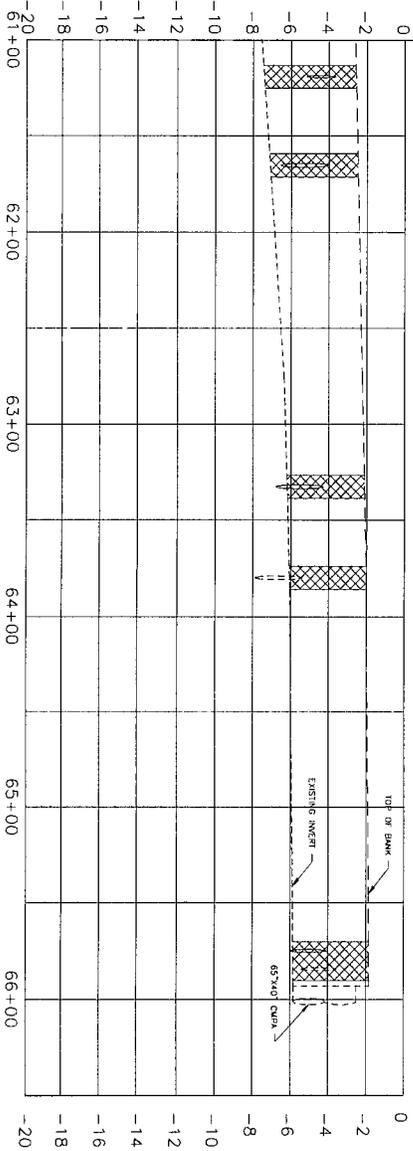
PLAN
SCALE: 1" = 30'-0"



LEGEND

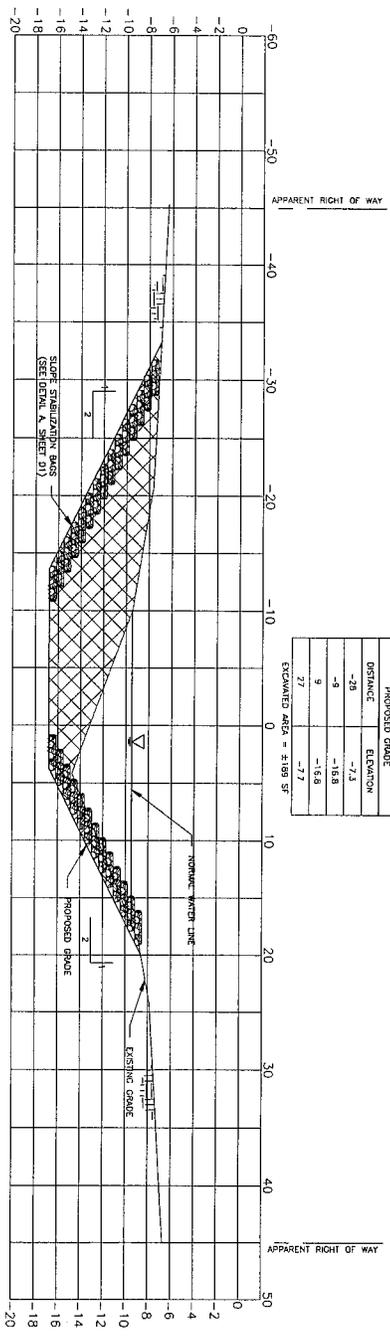
- SHIELDING AND ASSURANCE (OR APPROVED EQUIV.)
- RELINQUISH SLOPE PROTECTION (OR APPROVED EQUIV.)
- WOODS
- FENCELINE
- OVERHEAD UTILITY LINES
- POWER POLE

MATCHLINE
STA: 61+00



PROFILE
SCALE (H): 1" = 30'-0"
SCALE (V): 1" = 3'-0"

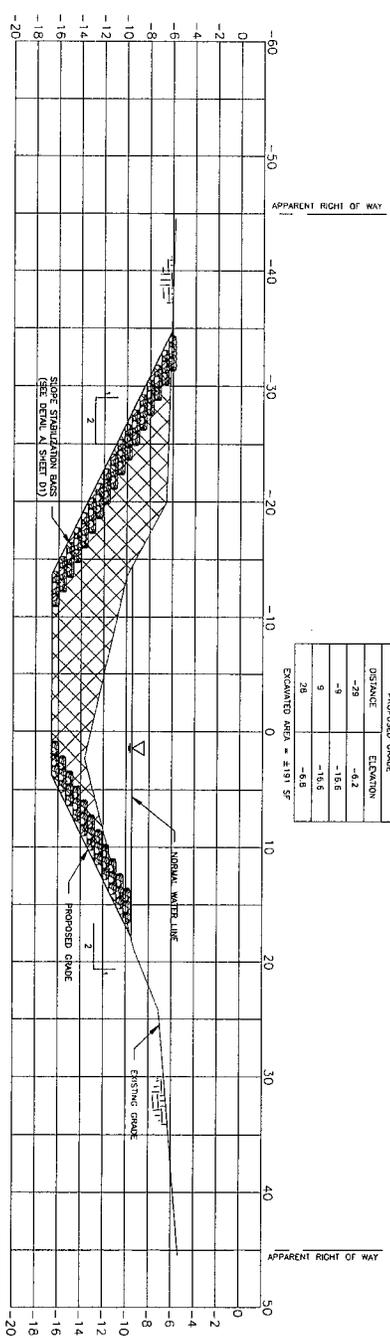
53 of 78 pp9	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT	DATE: Mar 14 SCALE: AS NOTED JOB NO: S005-04-01-13	DESIGNED BY: JAR DRAWN BY: GAB CHECKED BY: CAF	STUART CONSULTING GROUP	REVISIONS DATE: REMARKS: APP'D:
	INDUSTRY - PLAN AND PROFILE				



PROPOSED GRADE	
DISTANCE	ELEVATION
-28	-7.3
-8	-15.8
9	-15.8
27	-7.7

EXCAVATED AREA = 2185 SF

CROSS SECTION - STATION 0+00
SCALE: 1" = 5'-0"



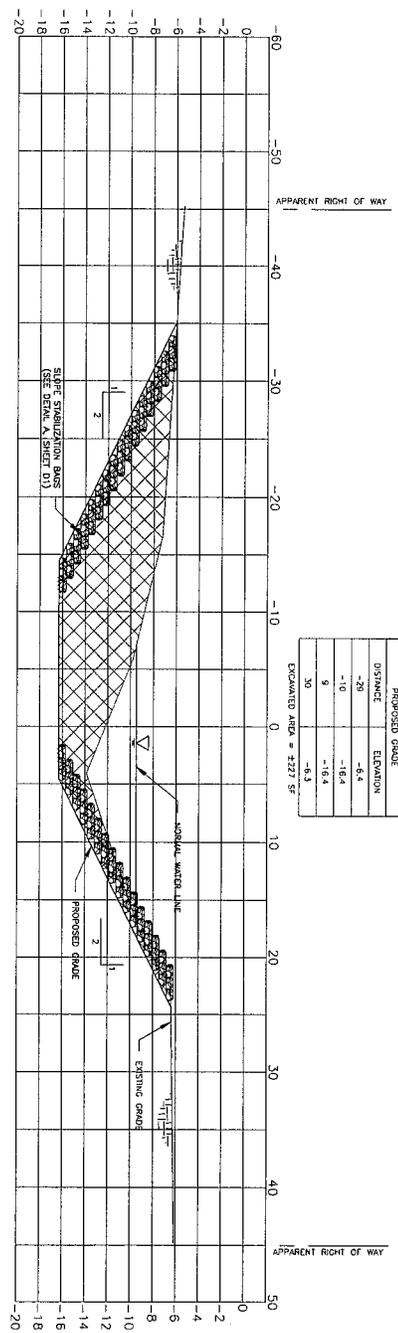
PROPOSED GRADE	
DISTANCE	ELEVATION
-28	-6.2
-9	-16.6
9	-16.6
28	-6.8

EXCAVATED AREA = 2191 SF

CROSS SECTION - STATION 2+97
SCALE: 1" = 5'-0"

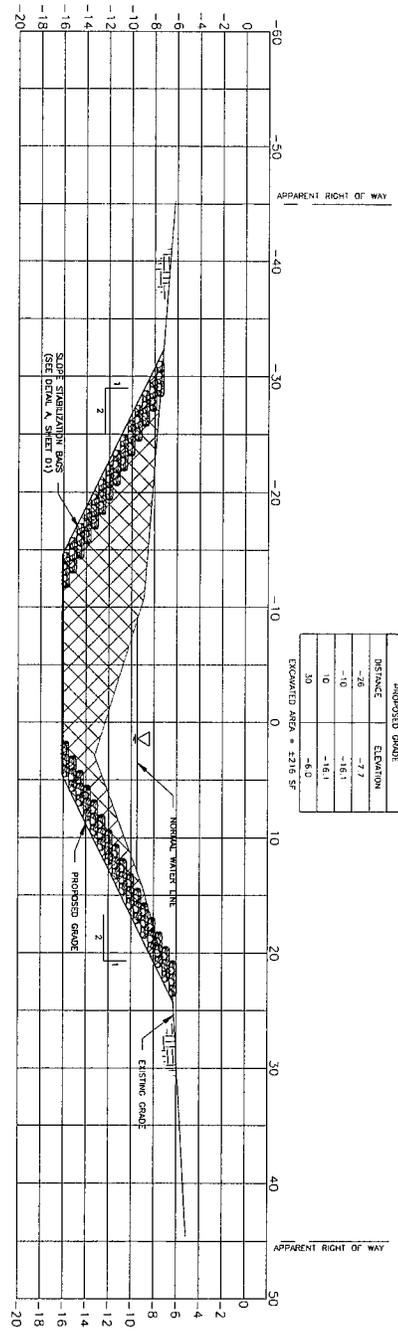
LEGEND:
 EXCAVATION
 EARTH
 DELTAOK (OR EQUIVALENT)

SHEET NO. X1 54 of 78	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT INDUSTRY - CROSS SECTIONS	DATE: Mar 14	DESIGNED BY: JAR		PRELIMINARY NOT FOR CONSTRUCTION	
			SCALE: AS NOTED	DRAWN BY: OAB		
			JOB NO. S005-04-01-13	CHECKED BY: CAF		



CROSS SECTION - STATION 5+87

SCALE: 1" = 5'-0"

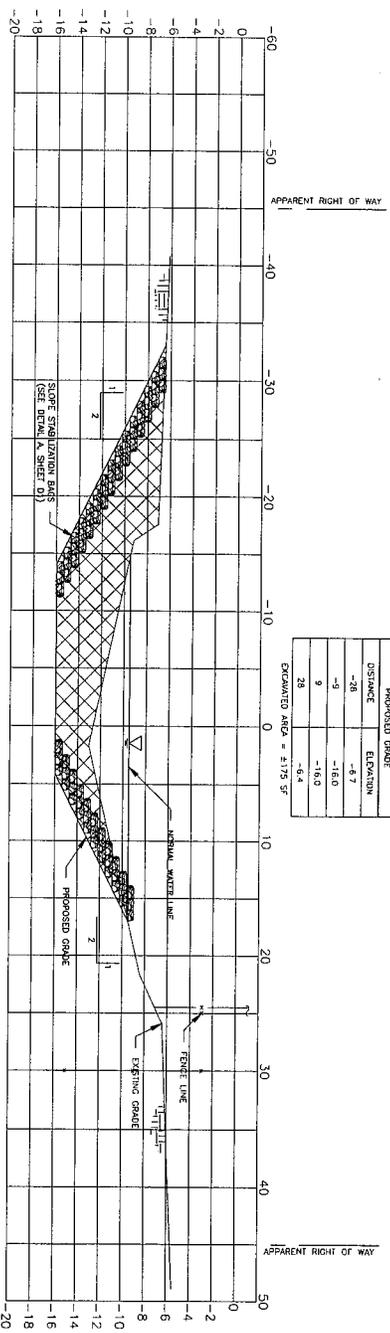


CROSS SECTION - STATION 8+79

SCALE: 1" = 5'-0"

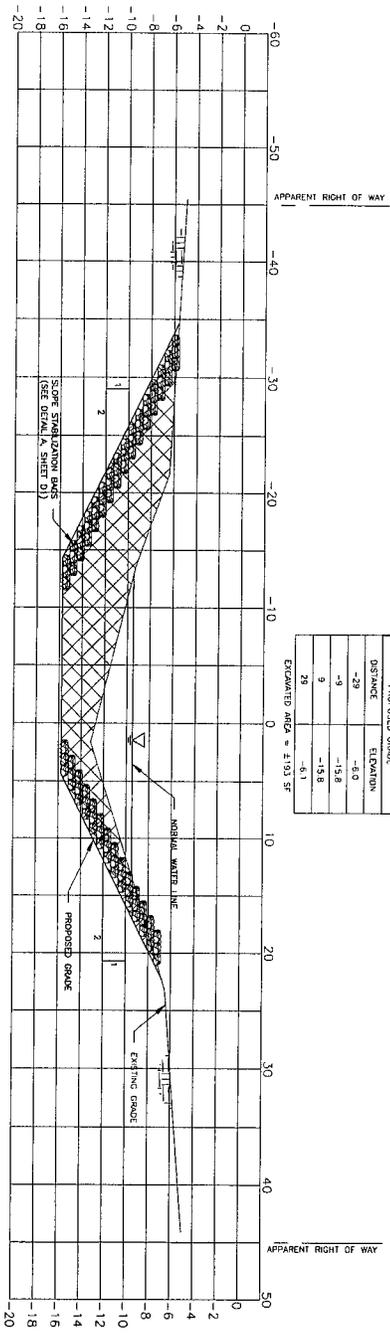
LEGEND:
 EXCAVATION
 EARTH
 DIALOK (OR EQUIVALENT)

BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT INDUSTRY - CROSS SECTIONS	DATE: Mar 14 DESIGNED BY: JAR		PRELIMINARY NOT FOR CONSTRUCTION
	SCALE: AS NOTED DRAWN BY: GAB		
	JOB NO. S005-04-01-13 CHECKED BY: CAF		
	SHEET NO. X2 55 of 78		



CROSS SECTION - STATION 10+77

SCALE: 1" = 5'-0"



CROSS SECTION - STATION 13+73

SCALE: 1" = 5'-0"

LEGEND:
 EXCAVATION
 EARTH
 DELTALOK (OR EQUIVALENT)

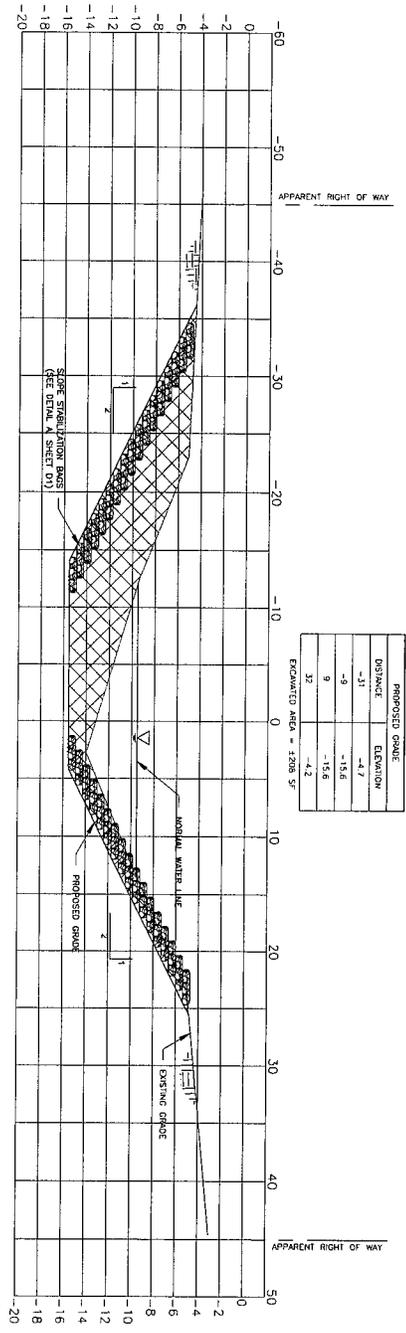
PRELIMINARY
 NOT FOR
 CONSTRUCTION

STUART CONSULTING GROUP

DATE: Mar 14
 DESIGNED BY: JAR
 SPALD: AS NOTED
 DRAWN BY: GAB
 JOB NO. S005-04-01-13
 CHECKED BY: CAF

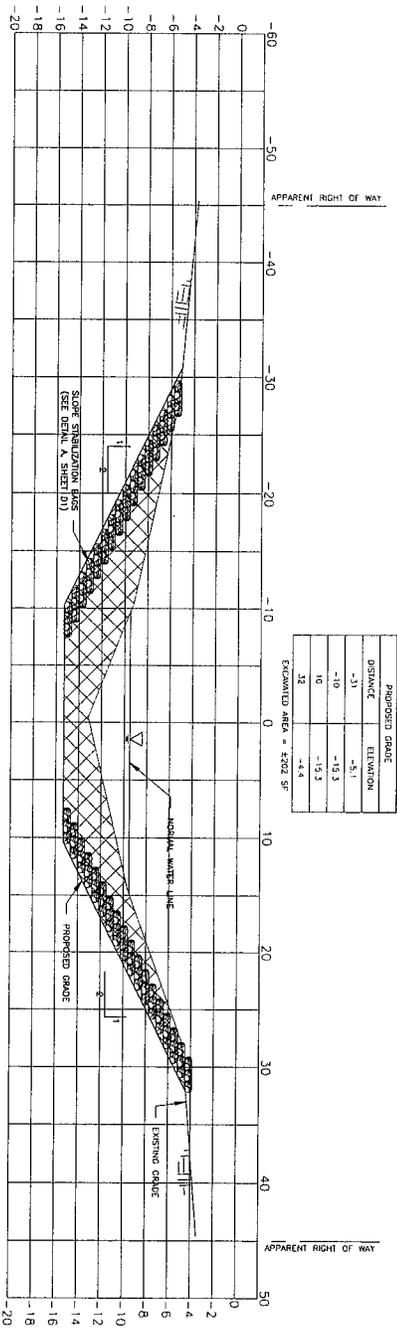
BELLE CHASSE DRAINAGE MAINTENANCE
 PLAQUEMINES PARISH GOVERNMENT
 INDUSTRY - CROSS SECTIONS

SHEET NO. X3
 56 of 78



CROSS SECTION — STATION 16+69

SCALE: 1" = 5'-0"



CROSS SECTION — STATION 19+65

SCALE: 1" = 5'-0"

LEGEND:
 [Hatched Box] EXCAVATION
 [Stippled Box] EARTH
 [Dashed Box] DELTALOK (OR EQUIVALENT)

PRELIMINARY
 NOT FOR
 CONSTRUCTION

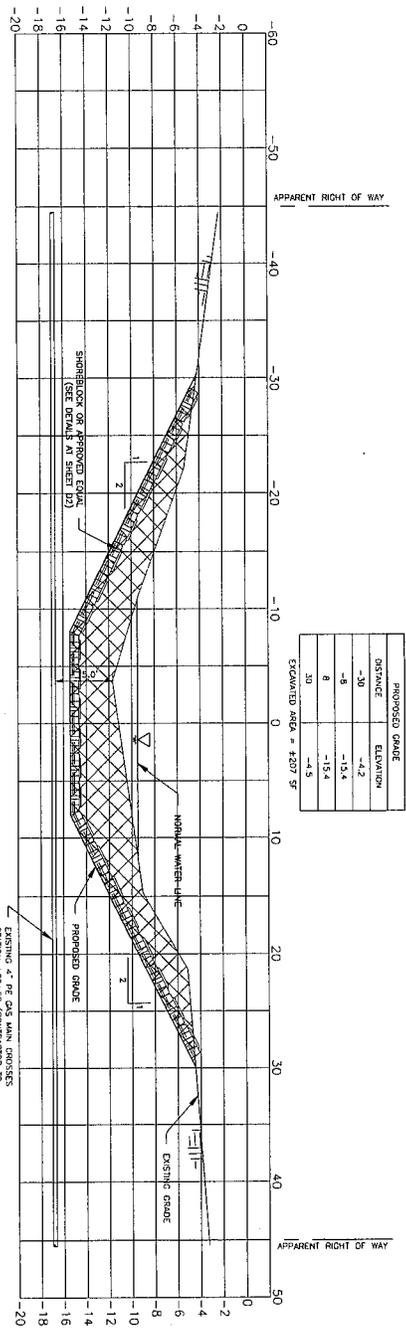
STUART CONSULTING GROUP

DESIGNED BY: JAR
 DRAWN BY: GAB
 CHECKED BY: CAF
 DATE: Mar 14
 SCALE: AS NOTED
 JOB NO. S005-04-01-13

BELLE CHASSE DRAINAGE MAINTENANCE
 PLAQUEMINES PARISH GOVERNMENT
 INDUSTRY - CROSS SECTIONS

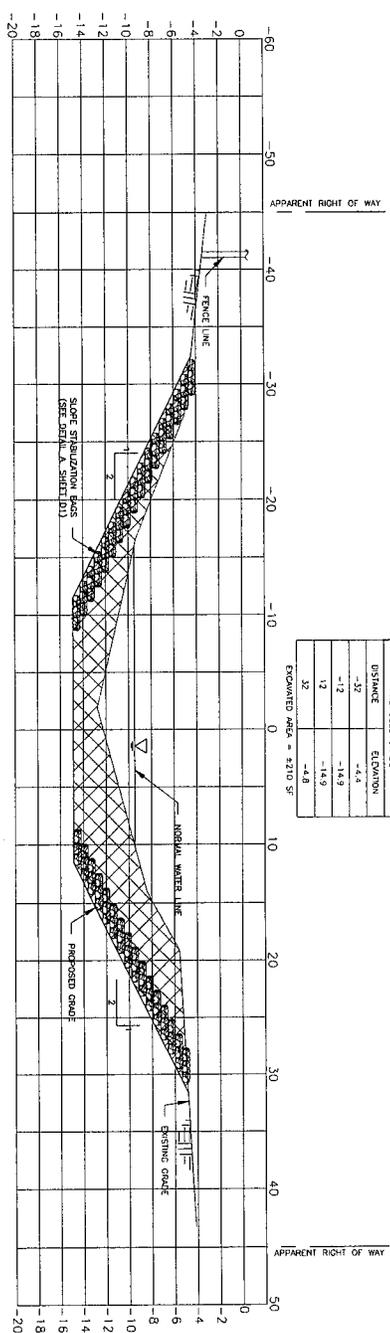
SHEET NO. X4
 57 of 78

LEGEND:
 [Hatched Box] EXCAVATION
 [Solid Box] EARTH
 [Dashed Box] DELTALOK (OR EQUIVALENT)



CROSS SECTION - STATION 22+68
 SCALE: 1" = 5'-0"

EXISTING & PROPOSED GRADES
 STATION 22+68 (CONTRACTOR TO
 VERIFY LOCATION OF CONSTRUCTION)



CROSS SECTION - STATION 25+68
 SCALE: 1" = 5'-0"

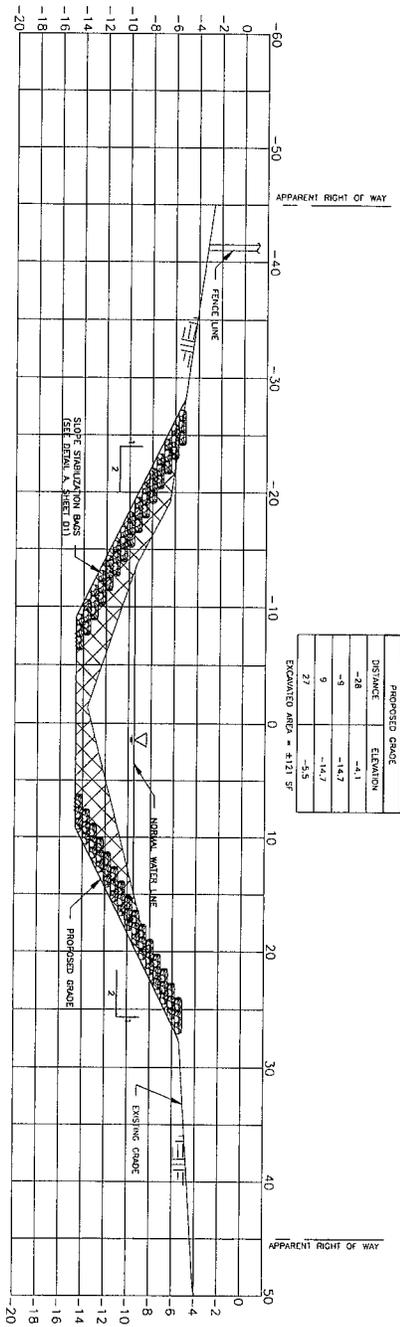
SHEET NO. X5
 58 of 78

BELLE CHASSE DRAINAGE MAINTENANCE
 PLAQUEMINES PARISH GOVERNMENT
 INDUSTRY - CROSS SECTIONS

DATE: Mar 14
 DESIGNED BY: JAR
 SCALE: AS NOTED
 DRAWN BY: GAB
 JOB NO. S005-04-01-13
 CHECKED BY: CAF

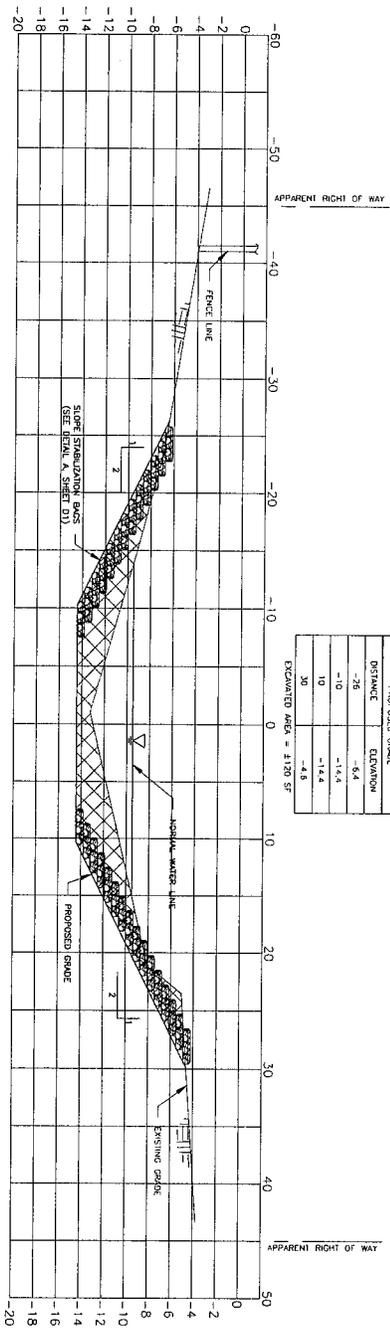


PRELIMINARY
 NOT FOR
 CONSTRUCTION



CROSS SECTION - STATION 28+61

SCALE: 1" = 5'-0"



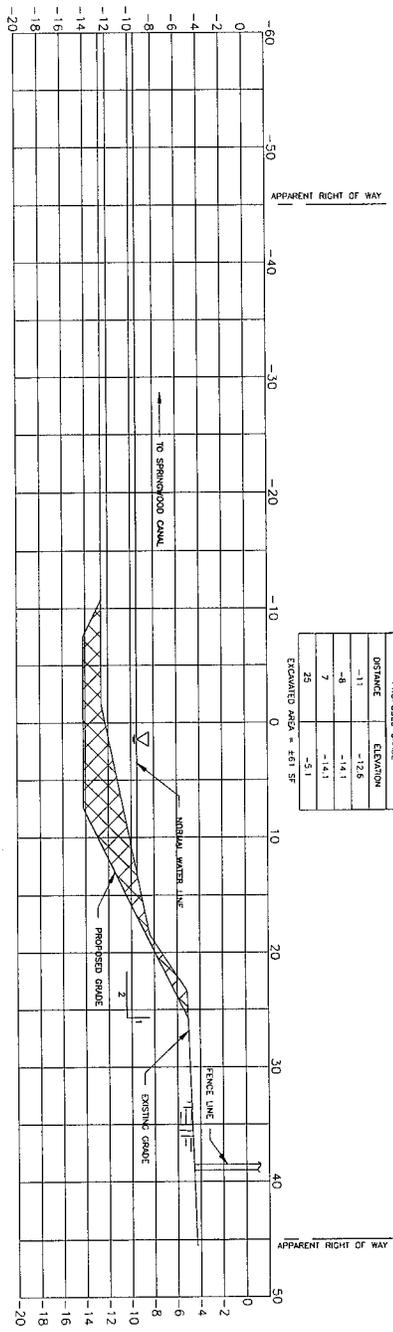
CROSS SECTION - STATION 31+67

SCALE: 1" = 5'-0"

LEGEND:

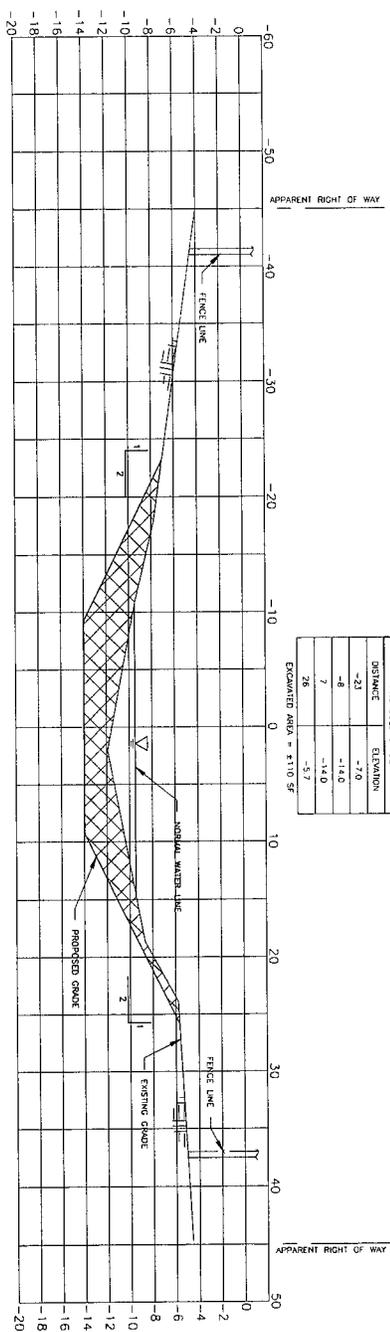
	EXCAVATION
	EARTH
	DELTA/OK (OR EQUIVALENT)

DATE:	DESIGNED BY:
Mar 14	JAR
SCALE:	DRAWN BY:
AS NOTED	GAB
JOB NO.:	CHECKED BY:
S005 04-01-13	CAF



PROPOSED GRADE	ELEVATION
-11	-12.6
-8	-14.1
7	-14.1
25	-5.1

CROSS SECTION - STATION 34+92
SCALE: 1" = 5'-0"

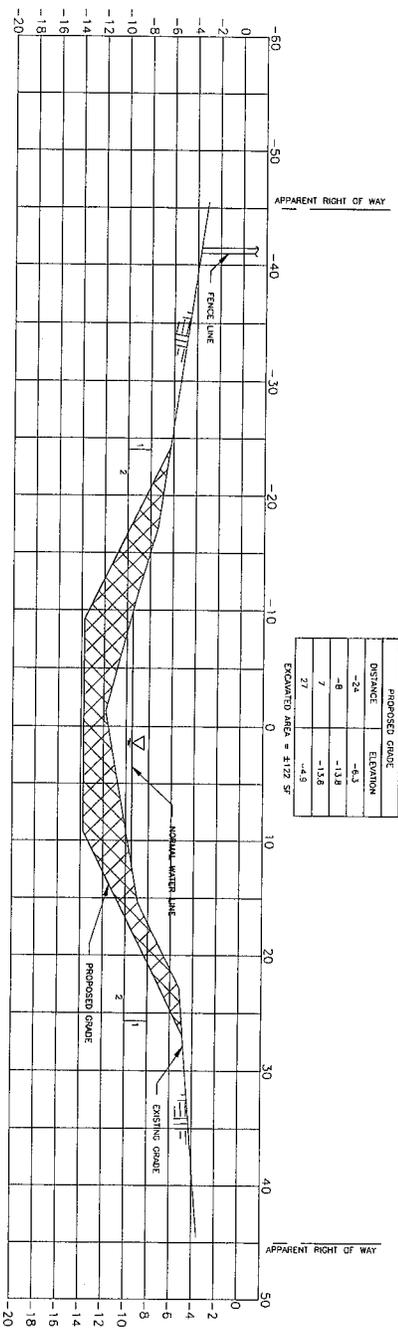


PROPOSED GRADE	ELEVATION
-23	-7.0
-8	-14.0
7	-14.0
26	-5.7

CROSS SECTION - STATION 37+72
SCALE: 1" = 5'-0"

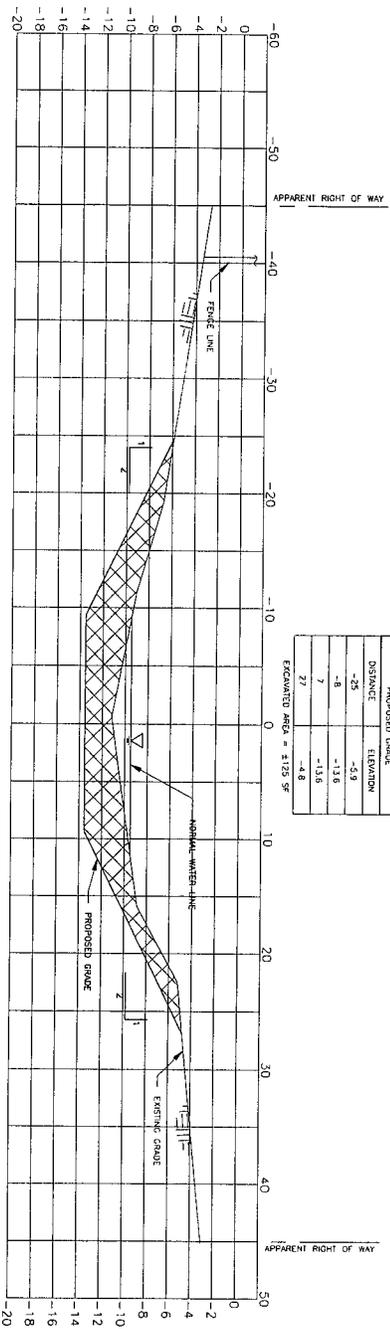
LEGEND:
 EXCAVATION
 EARTH
 DETAILOK (OR EQUIVALENT)

SHEET NO. X7 60 OF 78	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT INDUSTRY - CROSS SECTIONS	DATE: Mar 14 SCALE: AS NOTED JOB NO. S005-04-01-13	DESIGNED BY: JAR DRAWN BY: GAB CHECKED BY: CAF	 PRELIMINARY NOT FOR CONSTRUCTION
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CROSS SECTION - STATION 40+55

SCALE: 1" = 5'-0"



CROSS SECTION - STATION 43+34

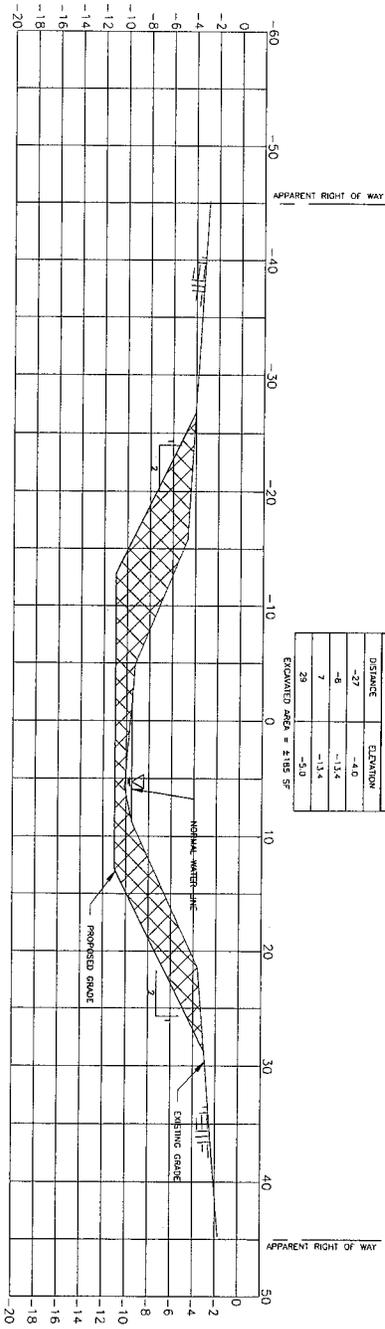
SCALE: 1" = 5'-0"

LEGEND:
 EXCAVATION
 EARTH
 DELTALOK (OR EQUIVALENT)

SHEET NO. X8 61 of 78	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT INDUSTRY - CROSS SECTIONS	DATE: Mar 14	DESIGNED BY: JAR		PRELIMINARY NOT FOR CONSTRUCTION
		SCALE: AS NOTED	DRAWN BY: GAB		
		JOB NO. S005-04-01-13	CHECKED BY: CAF		

LEGEND:

	EXCAVATION
	EARTH
	DELTALOK (OR EQUIVALENT)

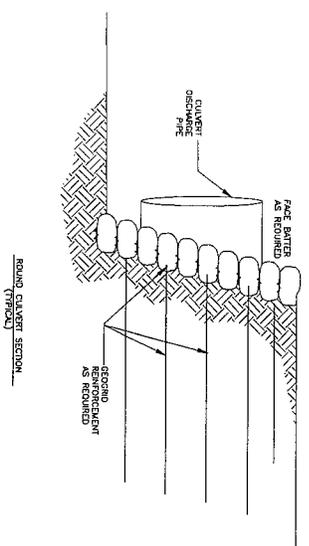
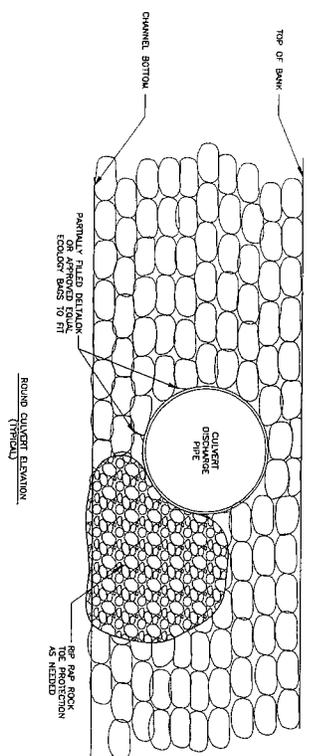
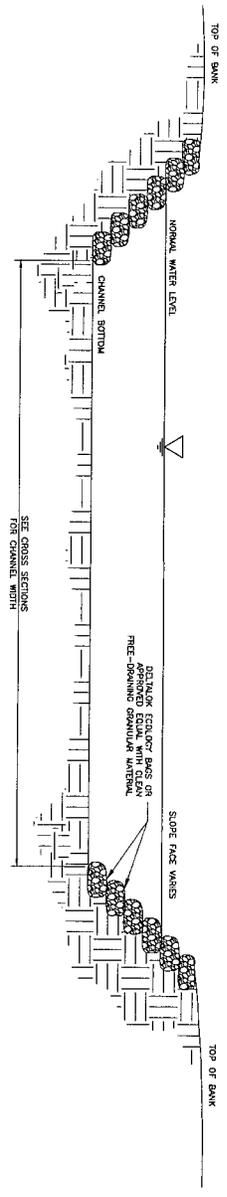


PROPOSED GRADE	
DISTANCE	ELEVATION
-27	-4.0
-8	-11.4
7	-13.4
28	-5.0

EXCAVATED AREA = 2,185 SF

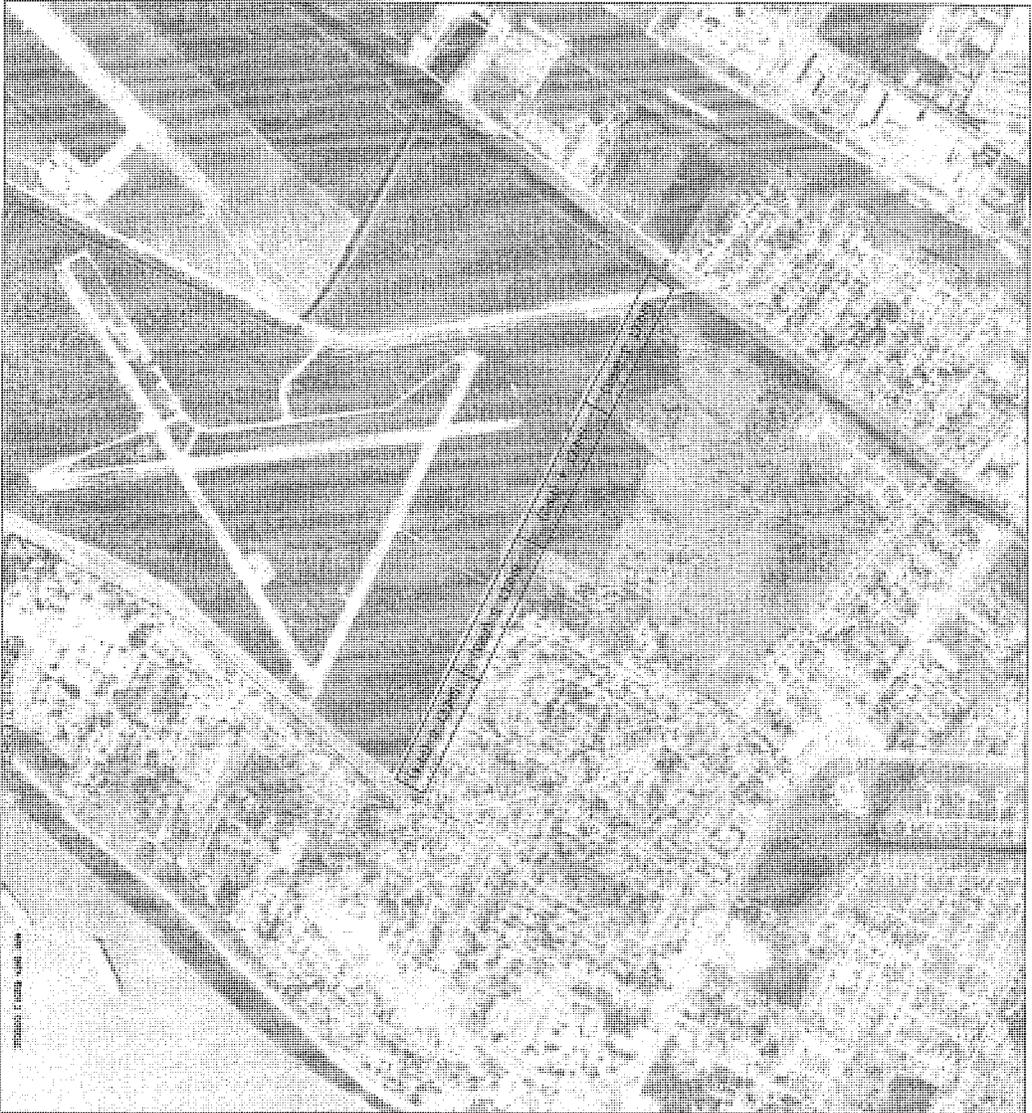
CROSS SECTION — STATION 46+01
SCALE: 1" = 8'-0"

SHEET NO. X9 62 of 78	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT	DATE: Mar 14	DESIGNED BY: JAR		PRELIMINARY NOT FOR CONSTRUCTION
	INDUSTRY - CROSS SECTIONS	SCALE: AS NOTED	DRAWN BY: GAB		



SHEET NO. D1 63 of 78	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT	DATE: Mar 14 SCALE: AS NOTED JOB NO.: S005-04-01.13	DESIGNED BY: JAR DRAWN BY: GAS CHECKED BY: CAF	STUART CONSULTING GROUP	REVISIONS	APP'D	
					DATE	REMARKS	

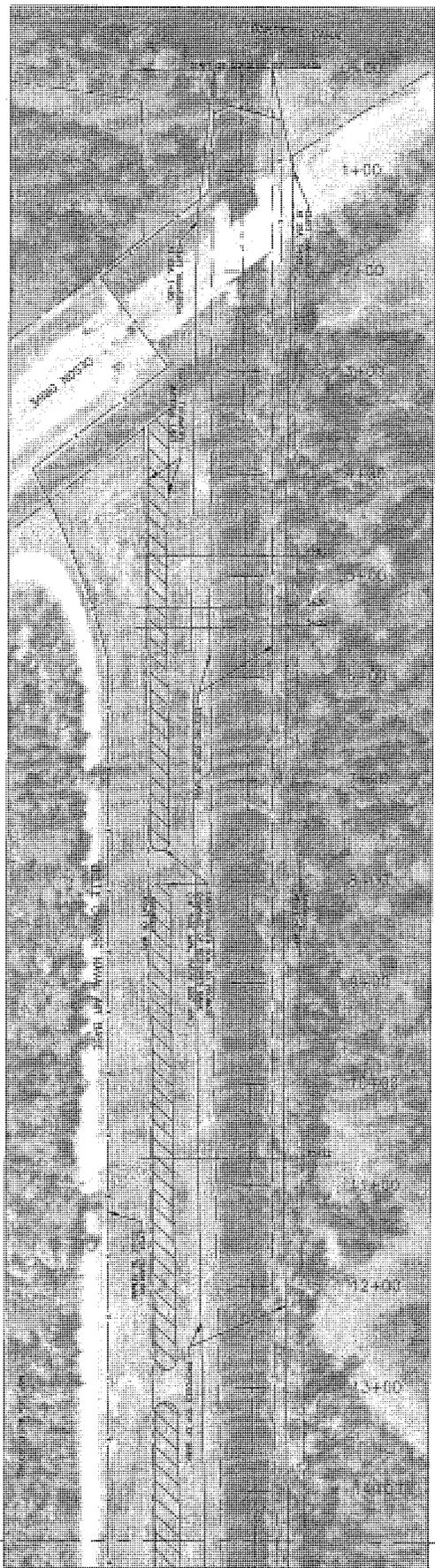
- GENERAL NOTES:**
1. ALL WORK SHALL BE DONE TO THE HIGHEST STANDARDS AND IN CONFORMANCE WITH THE REQUIREMENTS OF THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT (DOTD) AND OF PLAQUEMINES PARISH GOVERNMENT AND LOCAL.
 2. CONTRACTOR SHALL PROVIDE ALL PERMITS INCLUDING, BUT NOT LIMITED TO, PLAQUEMINES PARISH DRAINAGE PERMIT AND LOCAL.
 3. THE EXISTING CHANNEL SHALL BE CLEANED OF DEBRIS AND REQUIRED TO CONFORM TO THE TYPICAL SECTIONS FROM THE PLAN AND PROFILE IN THE CHANNEL SECTION SHALL BE REQUIRED.
 4. THE LOCATION OF EXISTING AND OTHER NEARBY UTILITIES SHOWN HEREIN HAVE BEEN DETERMINED FROM UNDERGROUND RECORDS OR BY THE CONTRACTOR'S OWN FIELD SURVEY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES AND FOR OBTAINING THE NECESSARY RECORDS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY RECORDS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY RECORDS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY RECORDS FROM THE APPROPRIATE AGENCIES.
 5. CONTRACTOR SHALL PROVIDE A TREE CONSTRUCTION VIDEO OF THE PAPER SET OF PERS. INCLUDING ANY STRUCTURES WITHIN FIFTY (50) FEET HEREOF. CONTRACTOR SHALL PROVIDE (2) COPIES IN PDF FORMAT ACCEPTABLE TO THE OWNER.
 6. ALL EXISTING UTILITY LOCATIONS ARE APPROXIMATE AND MUST BE FIELD VERIFIED BY THE CONTRACTOR. DURING CONSTRUCTION CONTRACTOR SHALL ALSO PROTECT ANY UTILITIES DAMAGED BY EXISTING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS OF ANY UTILITIES DAMAGED BY EXISTING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS OF ANY UTILITIES DAMAGED BY EXISTING CONSTRUCTION.
 7. CONTRACTOR SHALL CONDUCT THE FOLLOWING UTILITIES AT LEAST THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION:
 - PLAQUEMINES PARISH GOVERNMENT ENGINEERING AND PUBLIC WORKS DEPARTMENT AIR MAIL BOOKS, P.E. 504-291-5343
 - LOUISIANA ONE CALL, 1-800-272-4200
 8. CONTRACTOR SHALL NOT INTERFERE ANY UTILITY SERVICE TO ADJACENT PROPERTIES DURING CONSTRUCTION AND PLAQUEMINES PARISH ENGINEERING AND PUBLIC WORKS DEPARTMENT (504-297-5343) AT LEAST 48 HOURS BEFORE INTERUPTION OF SERVICE. NO UTILITY SERVICE INTERRUPTIONS WILL BE ALLOWED PRIOR TO 7:00 AM OR AFTER 5:00 PM.
 9. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND OBTAINERS OF SITE AT CONTRACTOR'S EXPENSE.
 10. CONTRACTOR TO MAINTAIN A CLEAN WORK SITE THROUGHOUT CONSTRUCTION. AFTER COMPLETING THE SCOPE OF WORK, CONTRACTOR SHALL RESTORE THE WORK SITE TO ORIGINAL CONDITION AND SHALL BE RESPONSIBLE FOR RESTORATION OF THE SITE TO ORIGINAL CONDITION AT THE DEPARTURE OF THE CONTRACTOR.
 11. CONTRACTOR SHALL NOT MAKE USE OF ANY ADJACENT PROPERTY FOR STORAGE OF STORAGE UNLESS SHOWN ON ADJACENT PROPERTIES WILL BE ALLOWED.
 12. CONTRACTOR SHALL NOT BE ALLOWED TO DISCHARGE SPILLAGE FROM OR ANY KIND OF WASTE INTO CHANNELS OR STORM DRAINAGE SYSTEMS.
 13. CONTRACTOR SHALL REMOVE AND PAY FOR ALL MATERIAL, LABOR, TOOLS, EQUIPMENT, SUPPLIES, TACKS AND INSTRUMENTS NECESSARY TO COMPLETE THE WORK.
 14. ALL EXISTING UTILITIES AND DAMAGED STRUCTURES SHALL REMAIN UNLESS OTHERWISE NOTED.
 15. CONTRACTOR SHALL RE-COAGE ALL AREAS AFFECTED BY CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE. ALL WORK SHALL BE IN A MANNER ACCEPTABLE TO THE OWNER.
 16. CONTRACTOR SHALL REMOVE AND RESTORE ANY ROADWAY, DRIVEWAY AND/OR DRIVEWAY DAMAGED BY CONSTRUCTION. CONTRACTOR SHALL RESTORE ANY ROADWAY, DRIVEWAY AND/OR DRIVEWAY DAMAGED BY CONSTRUCTION TO ORIGINAL CONDITION AND SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY RECORDS FROM THE APPROPRIATE AGENCIES.
 17. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RECORDS FROM THE APPROPRIATE AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RECORDS FROM THE APPROPRIATE AGENCIES.
 18. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES AND STRUCTURES UNLESS OTHERWISE NOTED.
 19. CONTRACTOR SHALL AT ALL TIMES CONDUCT HIS OPERATIONS AS TO ENSURE THE LEAST INTERFERENCE TO THE GENERAL PUBLIC. ADJACENT PROPERTY OWNERS AND BUSINESS OPERATIONS SHALL PROVIDE AND MAINTAIN ACCESS TO ALL PROPERTIES AND TRAFFIC FROM IN READERS ALL TIMES.
 20. CONTRACTOR SHALL RESTRICT WORKING HOURS TO BETWEEN 7:00 AM AND 6:00 P.M. UNLESS OTHERWISE NOTED. CONTRACTOR SHALL RESTRICT WORKING HOURS TO BETWEEN 7:00 AM AND 6:00 P.M. UNLESS OTHERWISE NOTED.
 21. CONTRACTOR SHALL NOT CLOSE OR RESTRICT ACCESS ON ANY ROAD WITHOUT WRITTEN APPROVAL FROM THE ENGINEER. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN IN WRITING TO THE ENGINEER FOR APPROVAL. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RECORDS FROM THE APPROPRIATE AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RECORDS FROM THE APPROPRIATE AGENCIES.
 22. ALL ELEVATIONS SHOWN ON THE PLAN ARE VARIOUS.
 23. ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS SHOWN ON PLAN SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO START OF CONSTRUCTION.
 24. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST DSM STANDARDS AND REQUIREMENTS.
 25. CONTRACTOR SHALL PROVIDE TEMPORARY EROSION CONTROL ON ALL EXPOSED SURFACES UNTIL PERMANENT EROSION CONTROL IS INSTALLED. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY RECORDS FROM THE APPROPRIATE AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY RECORDS FROM THE APPROPRIATE AGENCIES.
 26. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RECORDS FROM THE APPROPRIATE AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RECORDS FROM THE APPROPRIATE AGENCIES.
 27. ALL VEGETATION SHOWN ON THESE PLANS WERE OBTAINED USING AIRBORNE PHOTOGRAPHY AND ACCORDING MAPS AND ARE INTENDED FOR INFORMATIONAL PURPOSES ONLY.



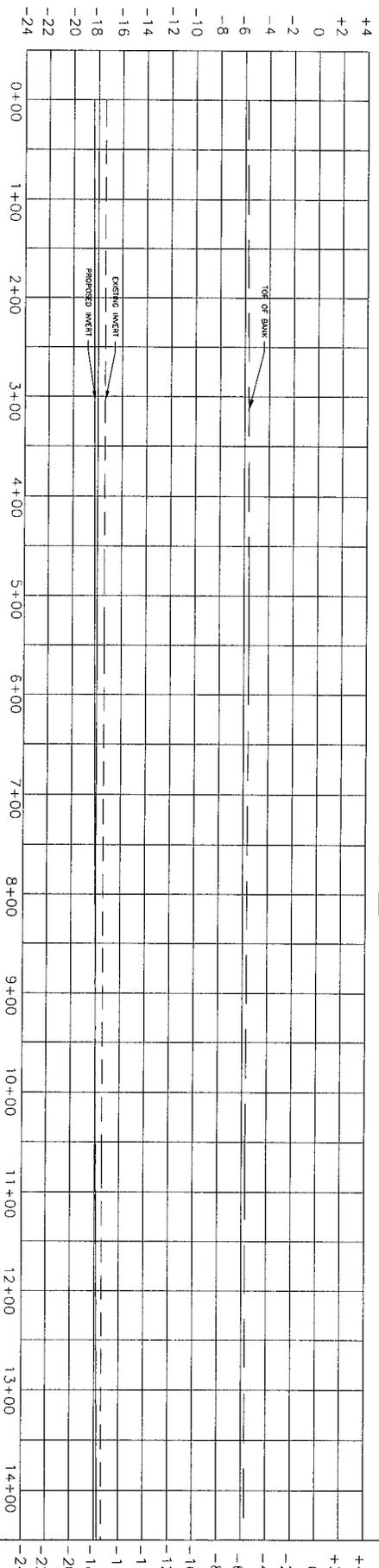
- LIST OF ABBREVIATIONS**
- EXIST. = EXISTING
 - NEW = NEW
 - DOT = DEPARTMENT OF TRANSPORTATION
 - PL = PLANNED

KEY MAP
NOT TO SCALE

SHEET NO. N1	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT END - NOTES & KEY MAP	DATE: Mar 14 SCALE: AS NOTED JOB NO. S005-04-01-13	DESIGNED BY: JAR DRAWN BY: GAB CHECKED BY: CAF	 STUART CONSULTING GROUP	PRELIMINARY NOT FOR CONSTRUCTION
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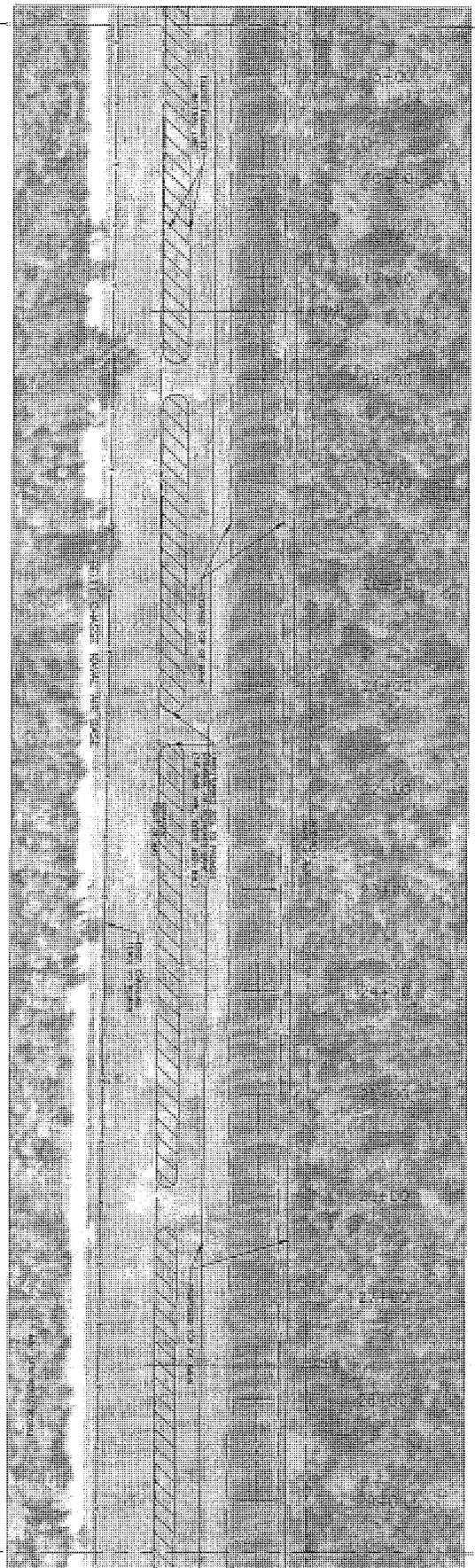
PLAN
SCALE: 1" = 50'



PROFILE
SCALE (H): 1" = 30'
SCALE (V): 1" = 4'

MATCHLINE
STA: 14+50

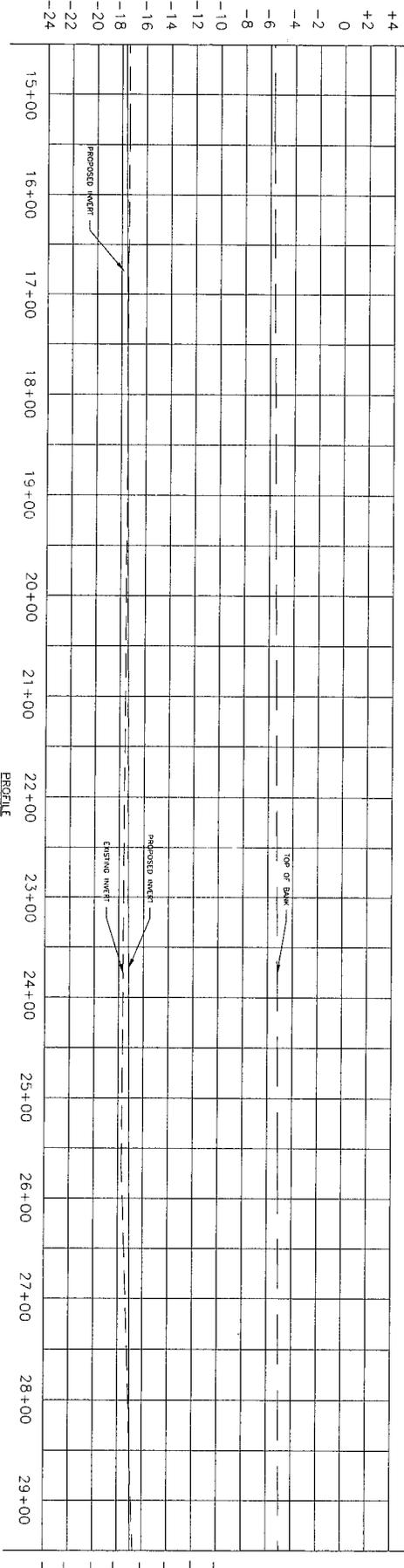
66 of 78 PP1	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT	DATE: Mar 14 SCALE: AS NOTED JOB NO: S005-04-01-13	DESIGNED BY: JAR DRAWN BY: GAB CHECKED BY: CAF	STUART CONSULTING GROUP	PRELIMINARY NOT FOR CONSTRUCTION	
	END - PLAN & PROFILE					



PLAN
SCALE: 1" = 50'

MATCHLINE
STA: 14+50

MATCHLINE
STA: 29+50

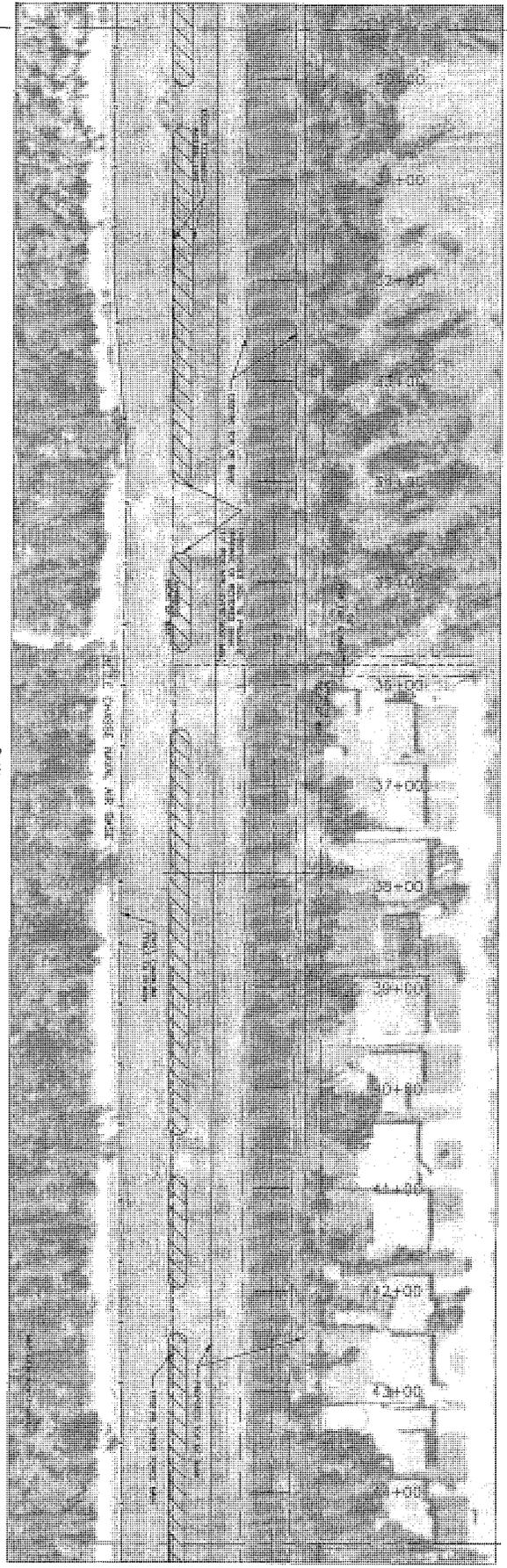


PROFILE
SCALE (H): 1" = 5'
SCALE (V): 1" = 2'

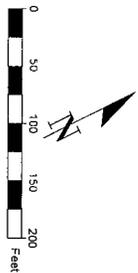
SHEET NO. PP2 67 of 78	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT		DATE: Mar 14	DESIGNED BY: JAR
			SCALE: AS NOTED	DRAWN BY: GAB
			JOB NO. S005-04-01-13	CHECKED BY: CAF
	END - PLAN & PROFILE			

STUART CONSULTING GROUP

PRELIMINARY
NOT FOR
CONSTRUCTION

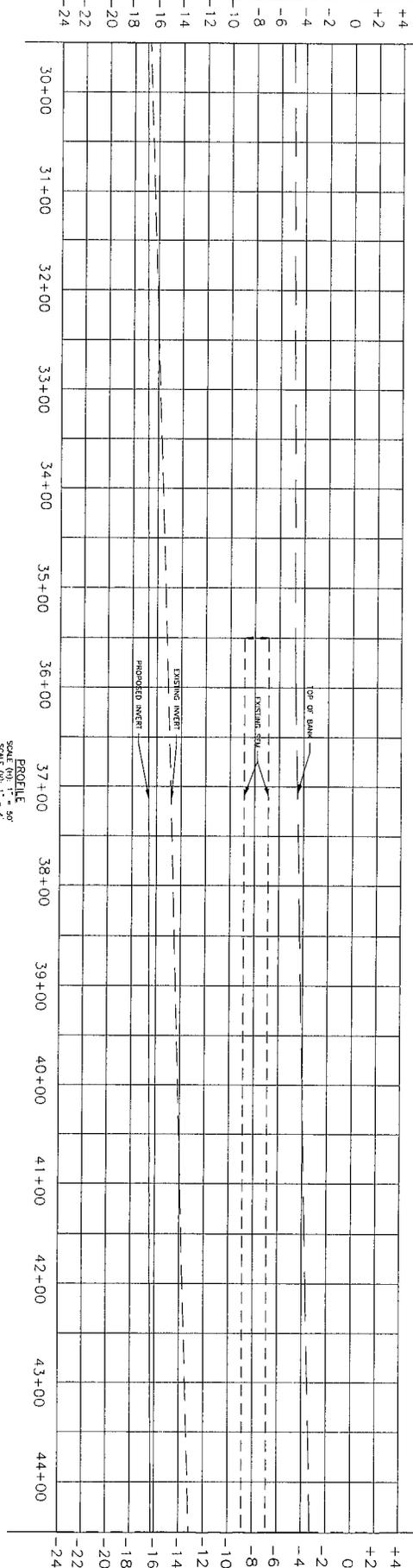


MATCHLINE
STA: 29+50



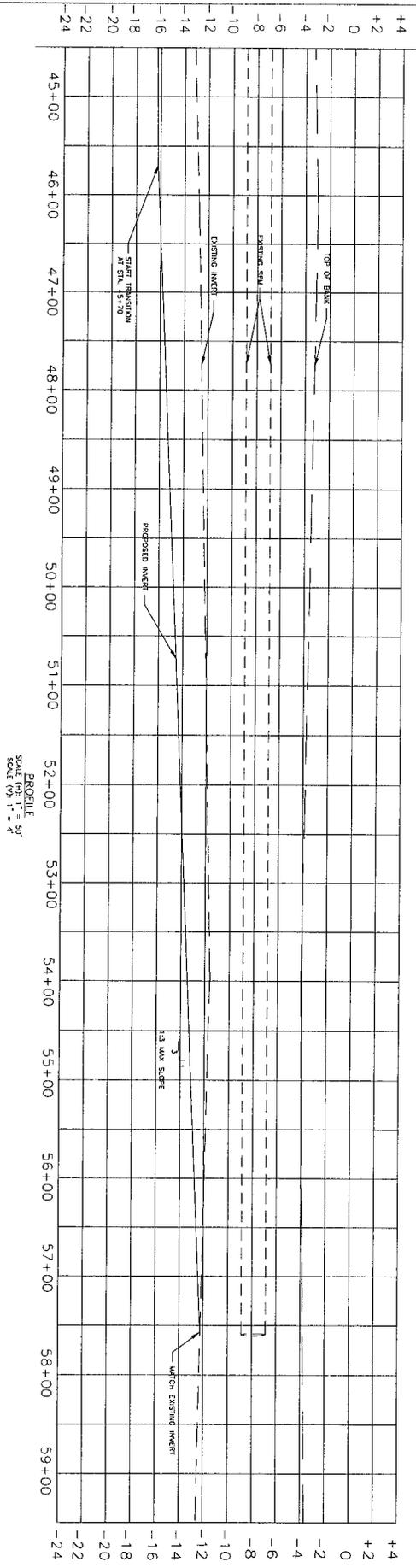
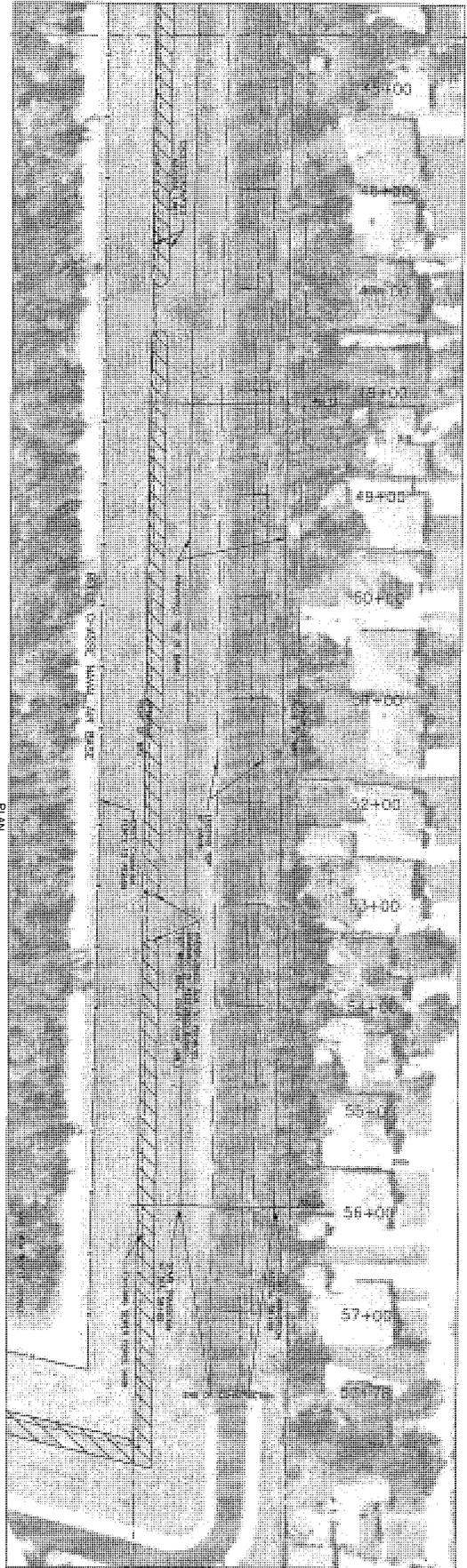
PLAN
SCALE: 1" = 50'

MATCHLINE
STA: 44+50



PROFILE
SCALE (H): 1" = 50'
SCALE (V): 1" = 2'

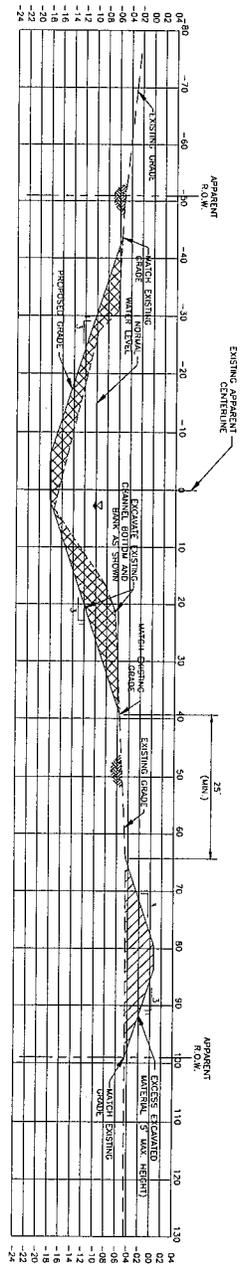
SHEET NO. PP3 68 of 78	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT	DATE: Mar 14 SCALE: AS NOTED JOB NO: 5005-04-01-13	DESIGNED BY: JAR DRAWN BY: GAB CHECKED BY: CAF		PRELIMINARY NOT FOR CONSTRUCTION
	END - PLAN & PROFILE				



SHEET NO. PP4	BELLE CHASSE DRAINAGE MAINTENANCE		DATE: Mar 14	DESIGNED BY: JAR
	PLAQUEMINES PARISH GOVERNMENT		SCALE: AS NOTED	DRAWN BY: GAB
	END - PLAN & PROFILE		JOB NO. S005-04-01-13	CHECKED BY: CAF
	69 of 78			



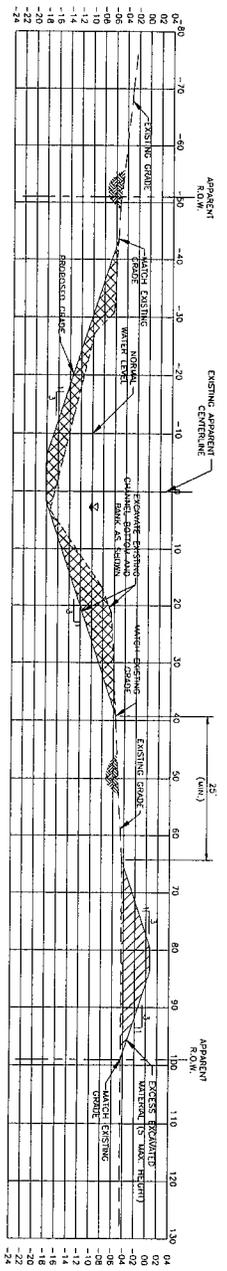
PRELIMINARY
NOT FOR
CONSTRUCTION



CROSS SECTION - STATION 05+30
SCALE 1" = 10'

PROPOSED GRADE	
02	0.0
04	0.0
06	0.0
08	0.0
10	0.0
12	0.0
14	0.0
16	0.0
18	0.0
20	0.0
22	0.0
24	0.0

EXCAVATED AREA = 1,198 SF



CROSS SECTION - STATION 05+50
SCALE 1" = 10'

PROPOSED GRADE	
02	0.0
04	0.0
06	0.0
08	0.0
10	0.0
12	0.0
14	0.0
16	0.0
18	0.0
20	0.0
22	0.0
24	0.0

EXCAVATED AREA = 1,198 SF

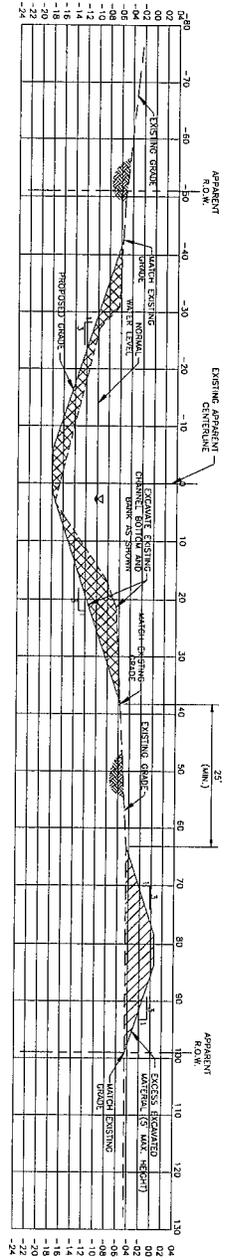
LEGEND:

	EXCESS EXCAVATED MATERIAL
	EXCAVATION
	FILL

BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT END - CROSS SECTIONS	DATE: Mar 14 SCALE: AS NOTED JOB NO: S005-04-01-13	DESIGNED BY: JAR DRAWN BY: GAB CHECKED BY: CAF		PRELIMINARY NOT FOR CONSTRUCTION
	SHEET NO: X2 71 of 78			

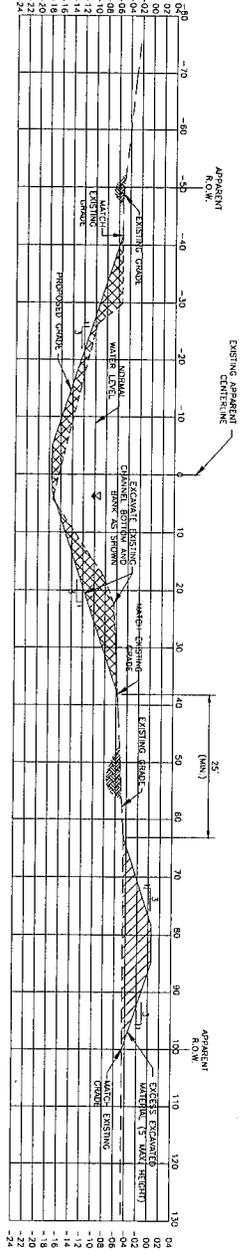
LEGEND:

	EXCESS EXCAVATED MATERIAL
	EXCAVATION
	FILL



CROSS SECTION - STATION 10+72
SCALE: 1" = 10'

EXCAVATED AREA = 4175 SF



CROSS SECTION - STATION 17+34
SCALE: 1" = 10'

EXCAVATED AREA = 4161 SF

SHEET NO. X3	BELLE CHASSE DRAINAGE MAINTENANCE PLAQUEMINES PARISH GOVERNMENT END - CROSS SECTIONS	DATE: Mar 14 DESIGNED BY: JAR SCALE: AS NOTED DRAWN BY: GAB		PRELIMINARY NOT FOR CONSTRUCTION
		JOB NO. 5005-04-01-13 CHECKED BY: CAF		

