JOINT PUBLIC NOTICE

September 25, 2017

United States Army Corps of Engineers
New Orleans District
Regulatory Branch
7400 Leake Avenue
New Orleans, Louisiana 701118

(504) 862-1301
Project Manager
Neil T. Gauthier
Neil.T.Gauthier@usace.army.mil
MVN 2017-00595-CM

State of Louisiana
Department of Environmental Quality
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

(225) 219-3225
Project Manager
Elizabeth Hill
WQC Application Number
WQC 170921-01

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the US 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, Office of Environmental Services, 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.

PLACEMENT OF ROCK TO REPAIR THE AMITE RIVER DIVERSION CANAL WIER IN ASCENSION PARISH

NAME OF APPLICANT: Amite River Basin Commission, c/o Volkert Inc., Attn: Anthony Evett, 7967 Office Park Blvd., Baton Rouge, LA 70809.

LOCATION OF WORK: At the confluence of the Amite River and the Amite River Diversion Canal, Section 9, T9S-R4E, approximately 1.5 miles southwest of French Settlement, Louisiana, in Ascension Parish, within the lake Pontchartrain Basin in hydrologic unit (HUC 08070204), as shown on the attached drawings.

CHARACTER OF WORK: The applicant has requested Department of the Army authorization to excavate and deposit rock to repair the existing weir and boat channel located between the Amite River and the Amite River Diversion Canal. The existing structure has settled and been compromised by water pressure allowing too much water to enter the Amite River Diversion Canal. The flow has been reduced in the Amite River causing sediment build up. Approximately 23,900 cubic yards of rock would be hauled in and deposited to repair the boat channel raise the elevation of the structure.

A Preliminary analysis has determined that the proposed project would directly impact approximately 4.2 acres of jurisdictional water bottoms.

The applicant stated that they have designed the project to avoid and minimize direct and secondary adverse impacts to the maximum extent practicable. No jurisdictional wetlands will be impacted by this project. The project will permanently impact "other waters of the U.S." only.

The comment period for the Department of Army will close in **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 during 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 US 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 US 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. Copies of this notice are being sent to the State Archeologist and State Historic Preservation Officer.

Our initial finding is that the proposed work would not affect any species, nor affect any habitat designated as critical to the survival and recovery of such species, listed as endangered by the U.S. Department of Commerce.

The New Orleans District has determined that the proposed project is located in waters known to be utilized by the West Indian Manatee and determined that the proposed activity is not likely to adversely affect the species based on the Standard Local Operating Procedure for Endangered Species of Louisiana (SLOPES), dated October 22, 2014, between the U.S. Army Corps of Engineers and U.S. Fish and Wildlife Service, Ecological Services Office.

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 **0** 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.

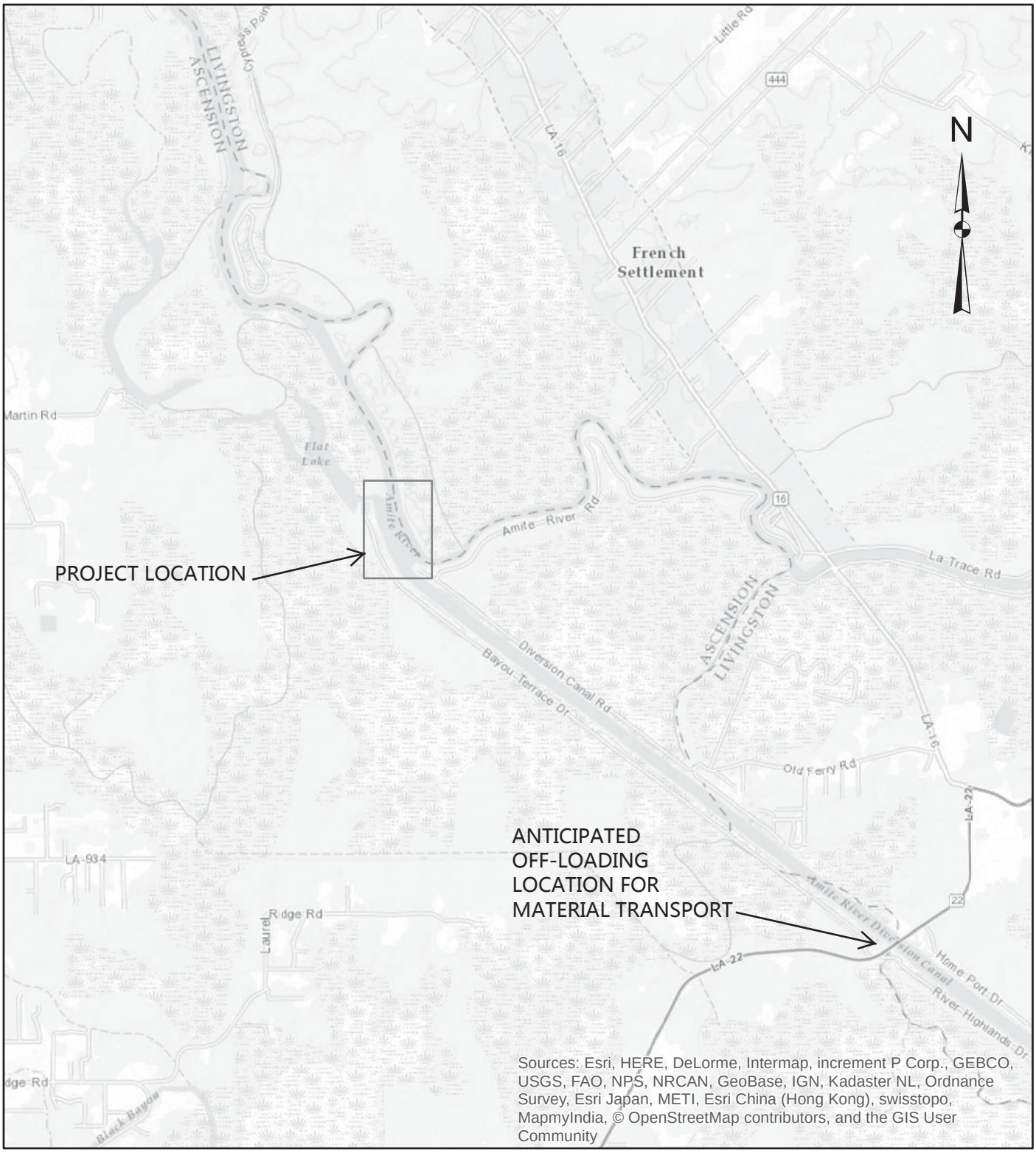
If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not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

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.

JOHN M. HERMAN
Chief, Central Evaluation Section
Regulatory Branch

Amite River Diversion Canal Project Location



0 0.375 0.75 1.5 2.25 3

Miles

Amite River
Parish Line
Flat Lake
Livingston Parish
Amite River
Amite River Rd
Existing Weir
Boat Channel
Diversion Canal Rd
Diversion Canal
Bayou Terrace Dr
Ascension Parish
Google earth
©2015 Google
N
1000 ft

AMITE RIVER DIVERSION
CANAL WEIR IMPROVEMENTS
60% DESIGN

VOLKERT PROJECT NO. 543300.80

INDEX TO SHEETS

SHEET NO.	SHEET TITLE
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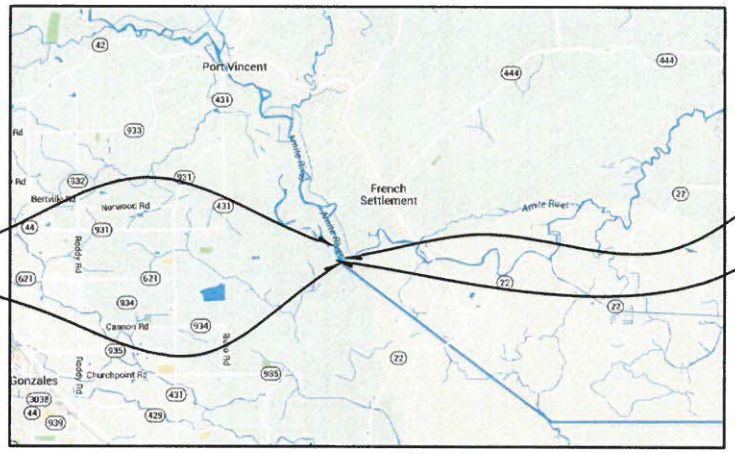
2	LAYOUT MAP
3	GENERAL NOTES AND SUMMARY OF ESTIMATED QUANTITIES
4	GENERAL SEQUENCE OF CONSTRUCTION
5–6	TYPICAL SECTIONS
7–10	WEIR PLAN AND PROFILE
11	BOAT CHANNEL PLAN AND PROFILE
12	SCOUR PLAN AND PROFILE
13–15	PILINGS
16	TURBIDITY BARRIER DETAIL
17–21	WEIR CROSS SECTIONS
22–23	BOAT CHANNEL CROSS SECTIONS
24–27	SCOUR CROSS SECTIONS

AMITE RIVER DIVERSION CANAL WEIR
BEGIN STATION 10+00.00
END STATION 28+51.62

TOTAL PROJECT LENGTH
1770.82 FT. (0.34 MILES)

LADOTD STANDARD PLANS AND SPECIAL DETAILS

SHEET TITLE	REVISION DATE
EC-01: TEMPORARY EROSION CONTROL DETAILS	10-01-08



PROJECT LOCATION MAP

PROJECT LOCATION
ASCENSION PARISH,
LOUISIANA

VICINITY MAP

VICINITY MAP

BOAT CHANNEL
BEGIN STATION 0+00.00
END STATION 2+69.24

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALES OR AS THE BASIS FOR THE ISSUANCE OF A PERMIT.

ENGINEER: ANTHONY EVETT
LICENSE #: 35363
DATE: NOVEMBER 2016

RECOMMENDED FOR APPROVAL BY:

ANTHONY EVETT, P.E. DATE
VOLKERT, INC.

CALL LOUISIANA ONE CALL 811 OR 1-800-272-3020
LOUISIANA STATE LAW (SECTION 9:A.45.1748.13) REQUIRES EXCAVATORS NOTIFY ONE CALL PRIOR TO EXCAVATION. DO NOT RELY ON THIS PLAN AS THE ONLY SOURCE OF UTILITY INFORMATION IN THE AREA OF YOUR EXCAVATION. ALL UTILITIES MUST BE FIELD MARKED IN THE AREA OF WORK. INDIANA MAT WILL ENABLE AN EXCAVATOR OR DESIGNER TO DETERMINE THE LOCATION OF UNDERGROUND FACILITIES.

REV.	DATE	DESCRIPTION	BY
1			
2			
3			
4			
5			

VOLKERT

7967 Office Park Blvd.
Baton Rouge, LA 70809
(225) 218-9440
batonrouge@volkert.com

3801 Canal St, Suite 210
New Orleans, LA 70119
(504) 488-8002
neworleans@volkert.com

620 Oak Harbor Blvd, Suite 103
Slidell, LA 70458
(985) 661-1455
slidell@volkert.com

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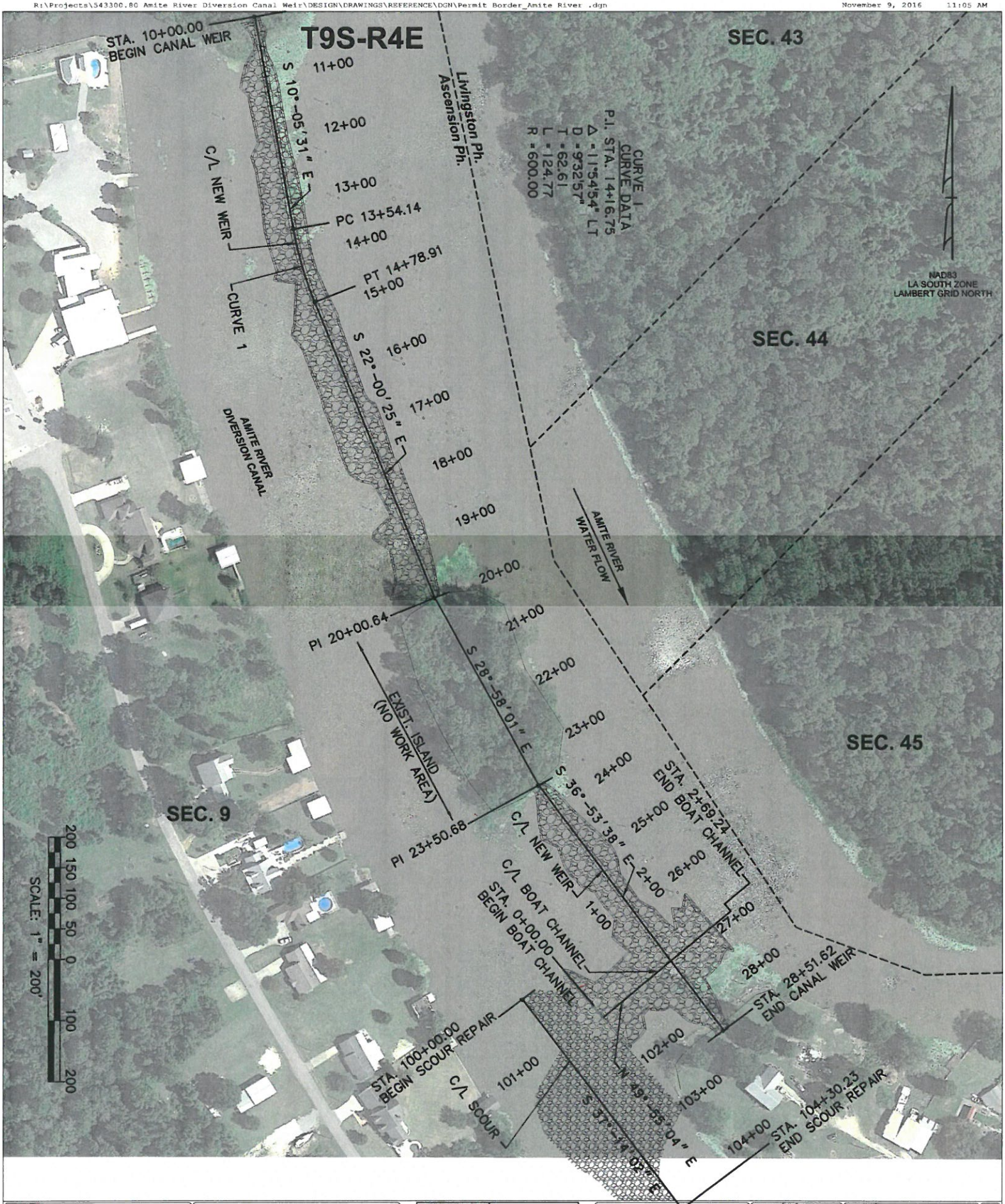

PONTCHARTRAIN LEVEE DISTRICT

LAYOUT MAP

AMITE RIVER DIVERSION CANAL WEIR

PRELIMINARY

NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE OR SALES

ENGINEER: ANTHONY BYRETT
LICENSE #: 33363
DATE: NOVEMBER 2016

VOLKERT

DESIGNED	HLC		
CHECKED	JCM		
DETAILED	ESL	VOLKERT PROJECT	543300.80
CHECKED	HLC		
DATE	11/8/2016	DISTRICT PROJECT	
SHEET			

SHEET NUMBER 2

GENERAL NOTES:

1. EROSION CONTROL OF STAGING SITES SHALL BE IN ACCORDANCE WITH PLANS, SPECIFICATIONS, PERMITS AND SWPPP AND IS NOT A DIRECT PAY ITEM.
2. STONE SHALL BE PLACED IN THE DIRECTION OF WATER FLOW.
3. THE EXISTING WEIR AND AREA BETWEEN PILING SHALL NOT BE DISTURBED WITHOUT THE APPROVAL OF THE PROJECT ENGINEER.
4. THE ENGINEER SHALL BE NOTIFIED OF ANY DISTURBANCE OR KNOWN POTENTIAL DISTURBANCE, OTHER THAN SHOWN IN THE PLANS.
5. FLOATING TURBIDITY BARRIER MAY REQUIRE ANCHORING TO PILINGS NEAR BOAT CHANNEL.
6. ALL DEBRIS AND VEGETATION WITHIN LIMITS OF PILING SHALL BE REMOVED. THIS SHALL BE PAID FOR UNDER PAY ITEM 20101 CLEARING OF DEBRIS. SOME DEBRIS MAY BE LOCATED UNDERWATER.

SUMMARY OF QUANTITIES			
PAY ITEM NO.	DESCRIPTION	QUANTITY	UNIT
72701	MOBILIZATION	1	LS
71103-1	RIPRAP (130 LB)	14,356	CY
71103-2	RIPRAP (130/55 LB) SCOUR	9,539	CY
74001	LAYOUT/SURVEY	1	LS
20101	CLEARING OF DEBRIS	1	LS
20201	EXCAVATION	539.45	CY
74002	FINAL BATHYMETRY SURVEY	1	LS
99999	STAGE GAUGES	3	EA
99998	FLOATING TURBIDITY BARRIER	2,900	LF

EXCAVATION NOTES:

1. EXCAVATION QUANTITY REPRESENTS:
   A. EXCAVATION OF STONE AS REQUIRED TO RESHAPE THE BOAT CHANNEL TO THREE 3.5 BELOW FINISHED GRADE. SEE SHEET 10 (WEIR PLAN AND PROFILE) FOR LOCATION. MAXIMUM DEPTH OF EXCAVATION = 6 FT.
   B. EXCAVATION OF MATERIAL AS REQUIRED TO CONSTRUCT THE WEIR NEAR STATIONS 10+20 THROUGH 10+80. SEE SHEET 7 (WEIR PLAN AND PROFILE) FOR LOCATION. MAXIMUM DEPTH OF EXCAVATION = 4 FT.
2. EXCAVATED MATERIAL WILL BE PLACED AS SCOUR FILL. SEE SHEET 12 (SCOUR PLAN AND PROFILE) FOR LOCATION AND DIMENSIONS OF EXCAVATED MATERIAL PLACEMENT AREA.

FILL NOTES:

1. NO FILL ON LAND IS PROPOSED.
2. TYPICAL WATER DEPTH TO EXISTING CHANNEL BOTTOM IN PROPOSED FILL AREAS IS AS FOLLOWS:
   A. WEIR: VARIES APPROX. 3-7 FEET
   B. BOAT CHANNEL: VARIES APPROX. 3-15 FEET
   C. SCOUR HOLE: VARIES APPROX. 35-45 FEET

FLOW CONDITIONS WITH EXISTING WEIR:

LAKE MAUREPAS ELEV. = 0.5 FT.		
FLOW	VELOCITY IN BOAT CHANNEL	% FLOW LOWER AMITE
2000	0.33	19%
3000	0.49	19%
4000	0.65	19%
6000	0.96	19%
8000	1.25	20%

LAKE MAUREPAS ELEV. = 1.0 FT.		
FLOW	VELOCITY IN BOAT CHANNEL	% FLOW LOWER AMITE
2000	0.32	20%
3000	0.48	20%
4000	0.64	20%
6000	0.94	21%
8000	1.22	22%

LAKE MAUREPAS ELEV. = 1.5 FT.		
FLOW	VELOCITY IN BOAT CHANNEL	% FLOW LOWER AMITE
2000	0.31	21%
3000	0.47	21%
4000	0.62	22%
6000	0.91	23%
8000	1.20	23%

FLOW CONDITIONS WITH PROPOSED WEIR:

LAKE MAUREPAS ELEV. = 0.5 FT.		
FLOW	VELOCITY IN BOAT CHANNEL	% FLOW LOWER AMITE
2000	4.15	46%
3000	5.84	47%
4000	7.12	50%
6000	8.76	52%
8000	9.55	42%

LAKE MAUREPAS ELEV. = 1.0 FT.		
FLOW	VELOCITY IN BOAT CHANNEL	% FLOW LOWER AMITE
2000	3.82	45%
3000	5.17	47%
4000	6.44	49%
6000	7.59	44%
8000	8.28	39%

LAKE MAUREPAS ELEV. = 1.5 FT.		
FLOW	VELOCITY IN BOAT CHANNEL	% FLOW LOWER AMITE
2000	3.02	41%
3000	3.90	40%
4000	4.81	38%
6000	5.88	36%
8000	6.33	34%

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SHEET NUMBER 3
VOLKERT PROJECT 543300.80
DISTRICT PROJECT
DESIGNED HLC
CHECKED JCM
DETAILED ESL
CHECKED HLC
DATE 03/21/2017
SHEET

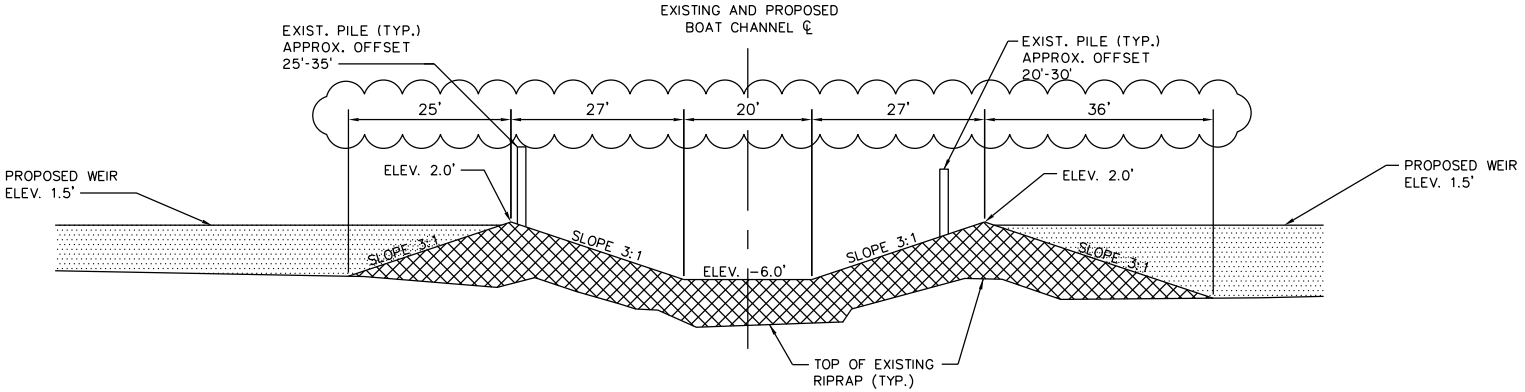
VOLKERT

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION, PERMITTING, BIDDING, OPERATIONAL CONVEYANCE OR SALES
ENGINEER: ANTHONY GIATTI
LICENSE #: 35363
DATE: NOVEMBER 2016

GENERAL NOTES AND SUMMARY OF ESTIMATED QUANTITIES

AMITE RIVER DIVERSION CANAL WEIR

PONTCHARTRAIN LEVEE DISTRICT



BOAT CHANNEL TYPICAL SECTION AT
INTERSECTION WITH WEIR
1" = 30'

LEGEND:

BOAT CHANNEL CONSTRUCTION (SEE STEP 4 BELOW).

WEIR CONSTRUCTION (SEE STEP 5 BELOW).

ANTICIPATED CONSTRUCTION METHODS:

1. FILL MATERIAL WILL BE OFF-LOADED FROM WHEELED/TRACKED VEHICLES TO MODULAR BARGES AT THE OFF-LOADING SITE (SEE PROJECT LOCATION MAP FOR LOCATION). NO MATERIALS WILL BE STORED ON LAND.
2. FOR PLACEMENT OF FILL MATERIAL, WHEELED/TRACKED VEHICLES WILL BE OPERATED FROM WATER-BASED VESSELS ONLY.
3. MAXIMUM DRAFT OF ANTICIPATED WATER-BASED VESSELS:
   A. MODULAR BARGES (FLEXIFLOAT SERIES S-70 OR EQUIVALENT FOR 120-TON CRANE): 84"
   B. SHALLOW DRAFT TUGBOAT/WORK BOAT: 72"
   C. MOTOR BOAT: 30"

GENERAL SEQUENCE OF CONSTRUCTION:

1. PLACE FLOATING TURBIDITY BARRIER PARALLEL TO THE WEIR BUT NOT THROUGH THE BOAT CHANNEL.
2. REMOVE ALL DEBRIS WITHIN LIMITS OF EXISTING PILING.
3. PLACE STONE IN SCOUR HOLE ON DIVERSION CANAL.
4. EXCAVATE BOAT CHANNEL TO 3.5' BELOW FINISHED GRADE AND PLACE STONE IN CHANNEL TO ELEVATION -6.0'. PLACE ADJACENT STONE AT 3:1 SLOPE UP TO AN ELEVATION OF 2.0' AND THEN DOWN TO THE EXISTING GROUND AT A 3:1 SLOPE.
5. EXCAVATE AT STATIONS 10+20 TO 10+80 TO ELEV. -1.0 AND PLACE REQUIRED WEIR STONE FROM UPSTREAM TO DOWNSTREAM.

0 30' 60'
SCALE: 1" = 30'

SHEET NUMBER 4
DESIGNED HLC
CHECKED JCM
DETAILED ESL
CHECKED HLC
DATE 04/04/2017
SHEET
VOLKERT PROJECT 543300.80
DISTRICT PROJECT

VOLKERT

PRELIMINARY
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ENGINEER: ANTHONY SWETT
LICENSE #: 35363
DATE: NOVEMBER 2016

GENERAL SEQUENCE OF CONSTRUCTION
AMITE RIVER DIVERSION CANAL WEIR

PONTCHARTRAIN LEVEE DISTRICT

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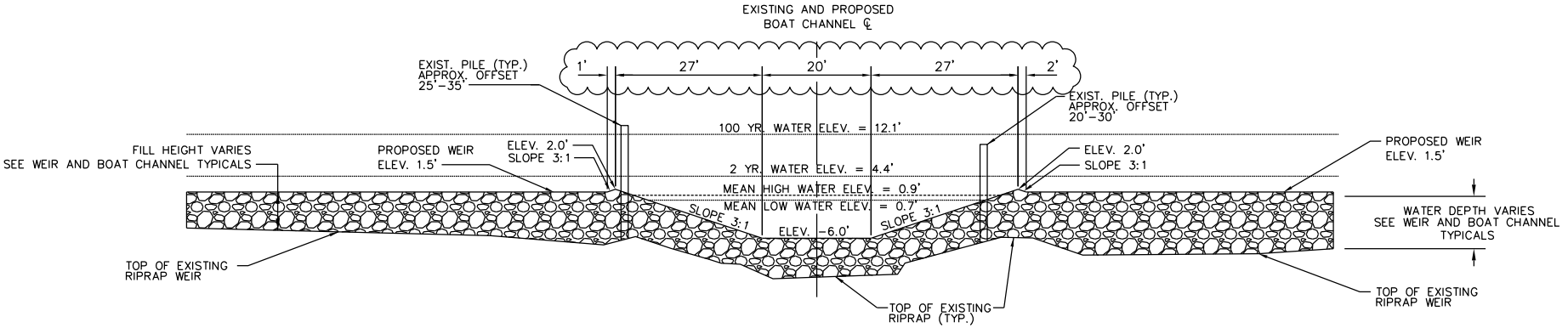
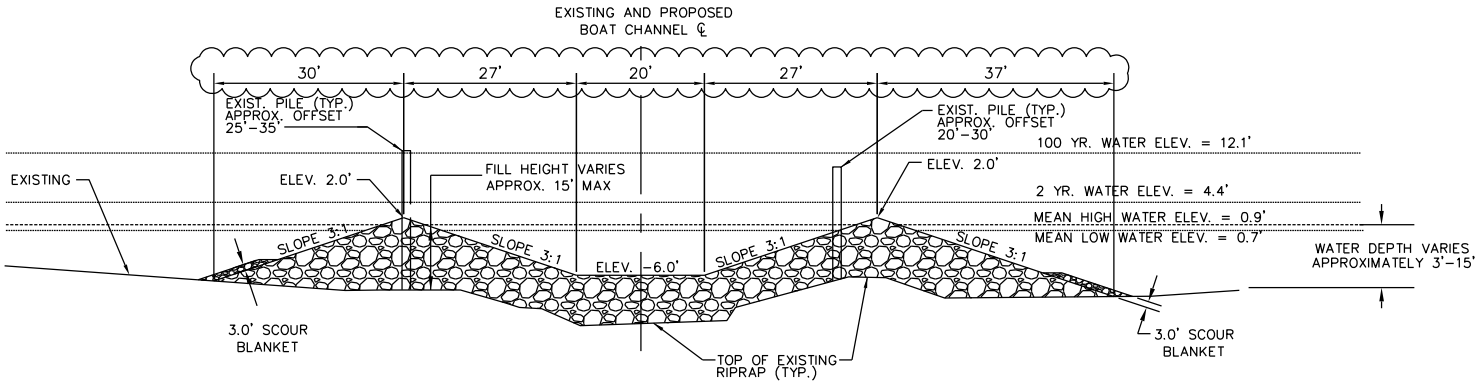


BOAT CHANNEL TYPICAL SECTION AT
INTERSECTION WITH WEIR
1" = 30'

STATION 1+47.36



NOTE: SEE SHT. 10 FOR TIE IN TO SCOUR HOLE.

BOAT CHANNEL TYPICAL SECTION
1" = 30'

STATIONS 0+18.00 TO 2+24.97

LEGEND:

130 LB. STONE RIPRAP

0 30' 60'
SCALE: 1" = 30'

SHEET NUMBER 5

DESIGNED	HLC	VOLKERT PROJECT 543300.80
CHECKED	JCM	
DETAILED	ESL	DISTRICT PROJECT
CHECKED	HLC	
DATE	04/04/2017	
SHEET		

VOLKERT

PRELIMINARY
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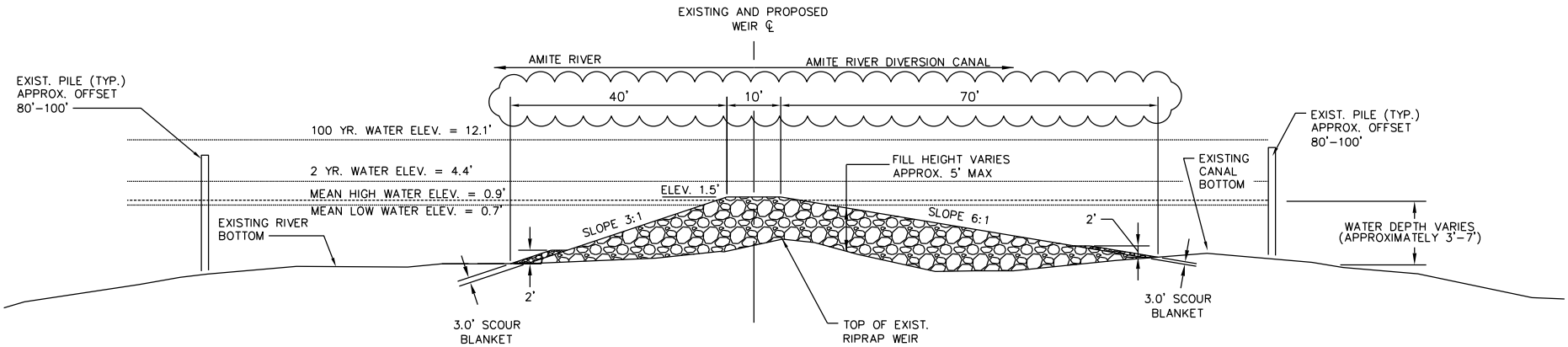
ENGINEER: ANTHONY GIUFFI
LICENSE #: 35363
DATE: NOVEMBER 2016

TYPICAL SECTIONS

AMITE RIVER DIVERSION CANAL WEIR

PONTCHARTRAIN LEVEE DISTRICT



WEIR TYPICAL SECTION
1" = 30'

STATIONS 10+00 TO 20+00.64
STATIONS 23+50.68 TO 28+51.62

NOTE: STATIONS 20+00.64 TO 23+50.68
EXIST. ISLAND NO WORK AREA

NOTES:

1. SCOUR MOUND DIMENSIONS ARE 2 FEET HIGH AND 3 FEET THICK.

2. ALL ELEVATIONS ARE BASED ON NAVD88.

3. STONE SHALL BE PLACED IN THE DIRECTION OF THE WATER FLOW.

LEGEND:

130 LB. STONE RIPRAP

SCOUR BLANKET 130 LB. STONE CAP

0 30' 60'
SCALE: 1" = 30'

SHEET NUMBER 6

DESIGNED HLC
CHECKED JCM
DETAILED ESL
CHECKED HLC
DATE 04/04/2017
SHEET

VOLKERT PROJECT 543300.80
DISTRICT PROJECT

VOLKERT

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION, BIDDING, REGISTRATION, CONVEYANCE OR SALES.
ENGINEER: ANTHONY GIUFFI
LICENSE #: 35363
DATE: NOVEMBER 2016

TYPICAL SECTIONS

AMITE RIVER DIVERSION CANAL WEIR

PONTCHARTRAIN LEVEE DISTRICT

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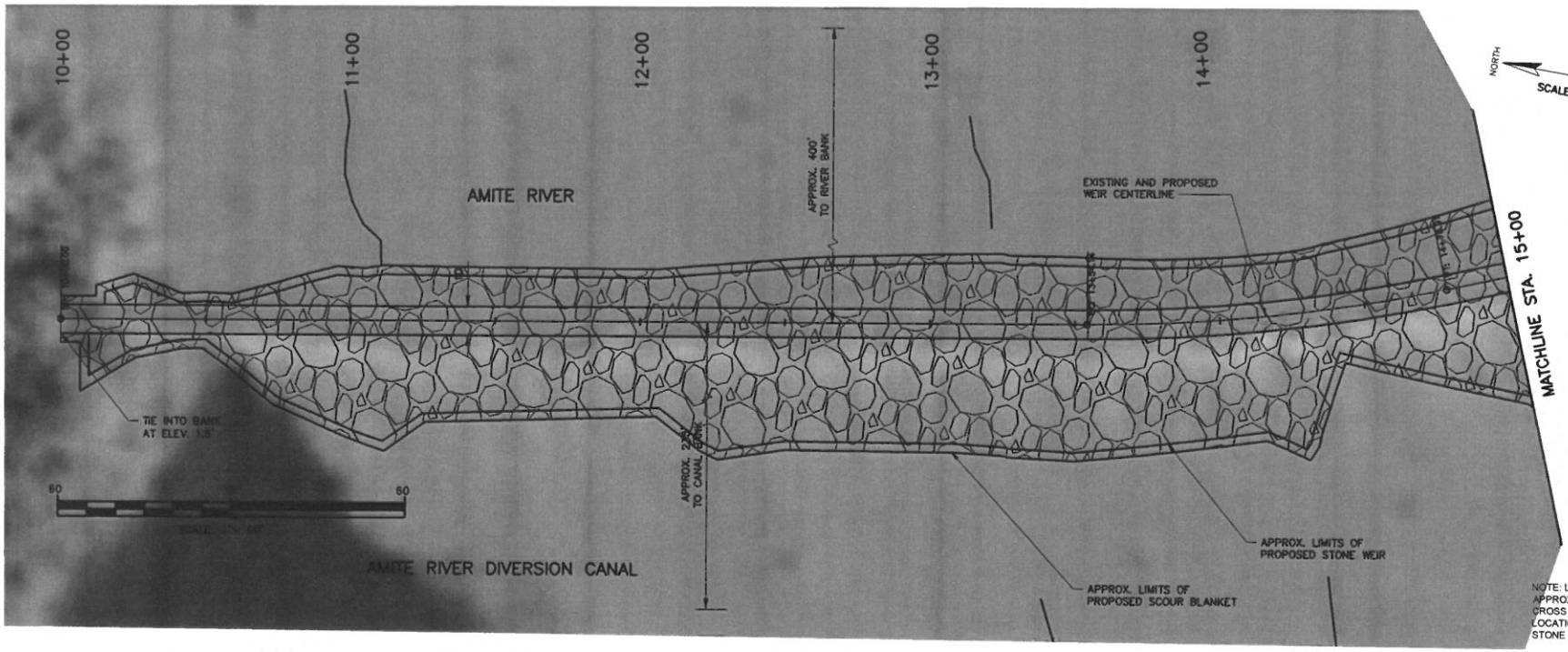
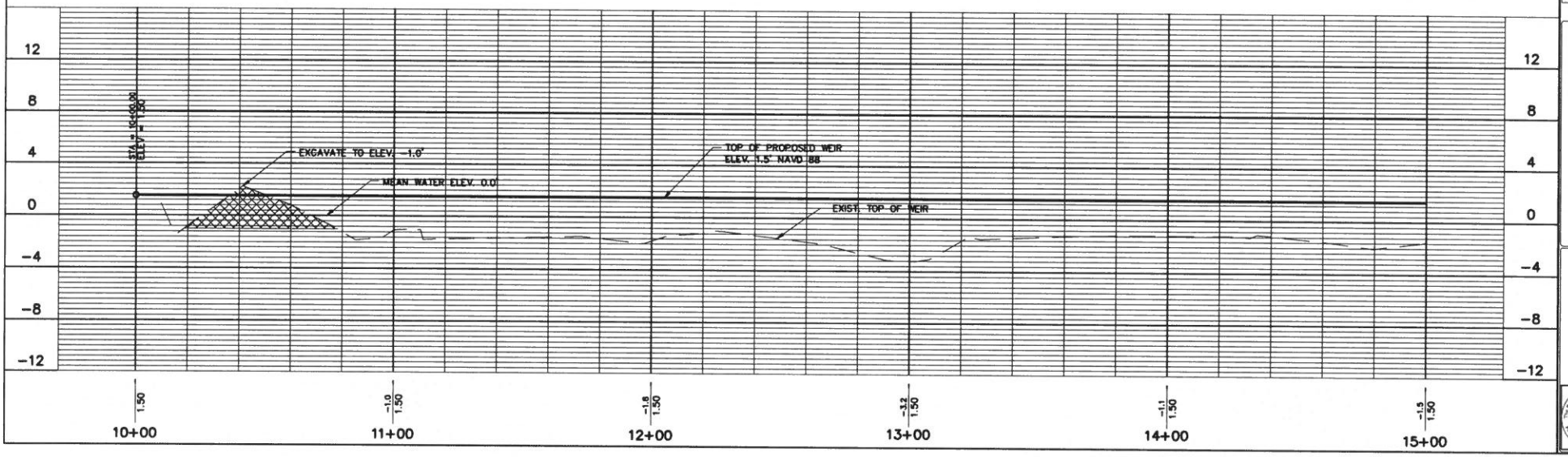




SHEET NUMBER 7

DESIGNED HCL
CHECKED JCM
DETAILED ESL
CHECKED HCL
DATE 11/08/2018
SHEET 8 OF 23

VOLKERT PROJECT ---
DISTRICT PROJECT

VOLKERT

PRELIMINARY

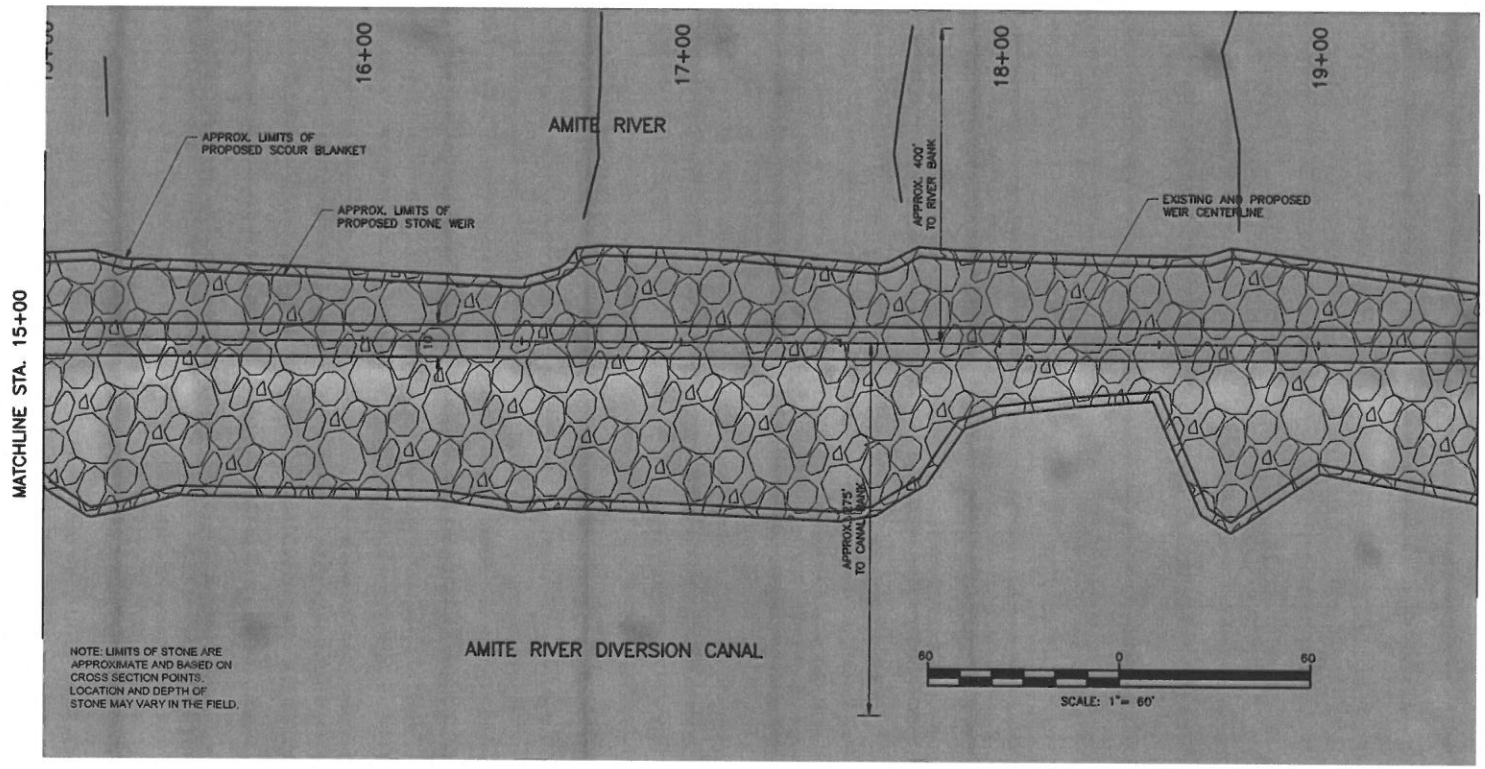
NOT TO BE USED FOR CONSTRUCTION, BIDDING, COVERAGE OR SALES.

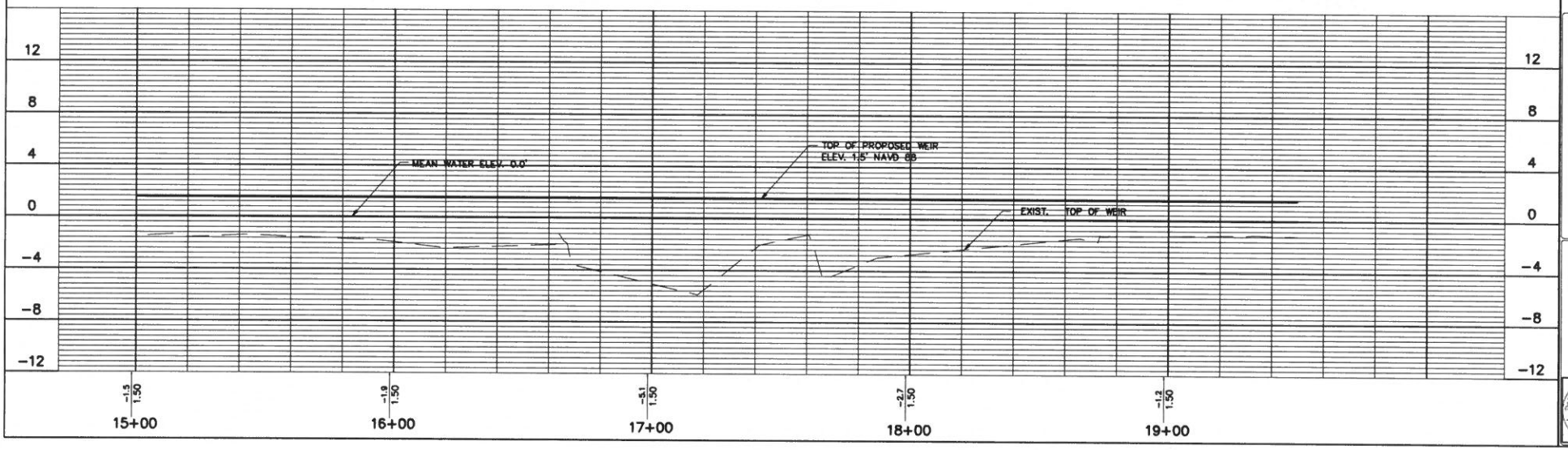
ENGINEER ANTHONY FATT
LICENSE # 32747
DATE NOVEMBER 2018

WEIR PLAN AND PROFILE

AMITE RIVER DIVERSION CANAL WEIR

PONTCHARTRAIN LEVEE DISTRICT





SHEET NUMBER 8

DESIGNED	HCL	VOLKERT PROJECT	----
CHECKED	JDM		
DETAILED	ESL	DISTRICT PROJECT	
CHECKED	HCL		
DATE	11/08/2018		
SHEET	7 OF 23		

VOLKERT

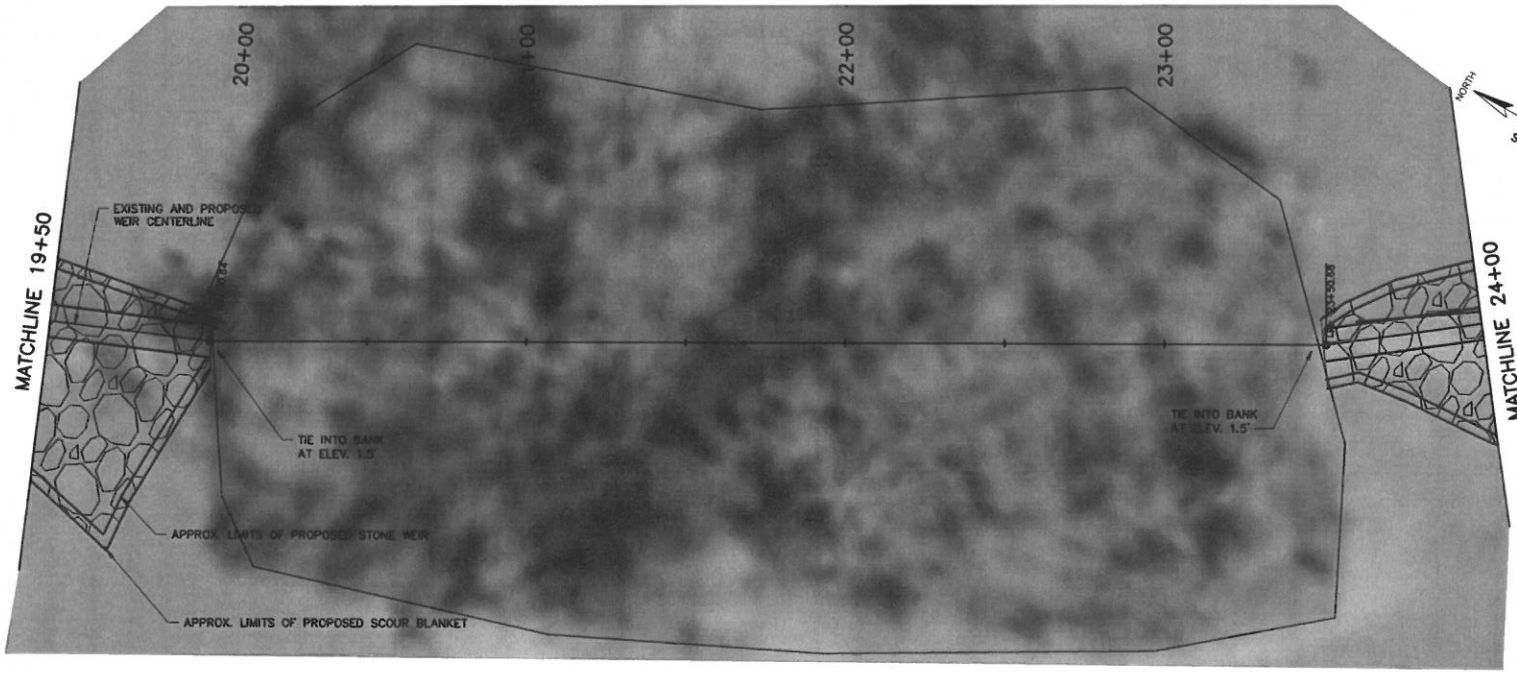
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR CONFORMANCE OF SALES

ENGINEER: ANTHONY CUTT
LICENSE #: 37261
DATE: NOVEMBER 2018

WEIR PLAN AND PROFILE

AMITE RIVER DIVERSION CANAL WEIR

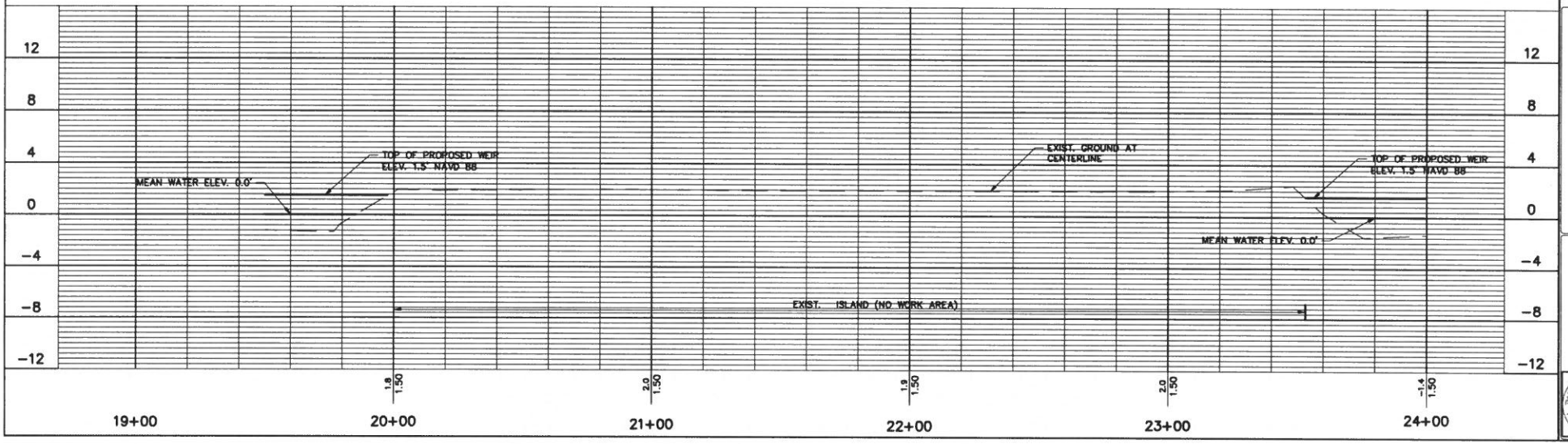
PONTCHARTRAIN LEVEE DISTRICT



NOTE: LIMITS OF STONE ARE APPROXIMATE AND BASED ON CROSS SECTION POINTS. LOCATION AND DEPTH OF STONE MAY VARY IN THE FIELD.

60 0 60

SCALE: 1"= 60'



SHEET NUMBER 9

DESIGNED HCL
CHECKED JDM
DETAILED ESL
CHECKED HCL
DATE 11/08/2018
SHEET 8 OF 23

VOLKERT

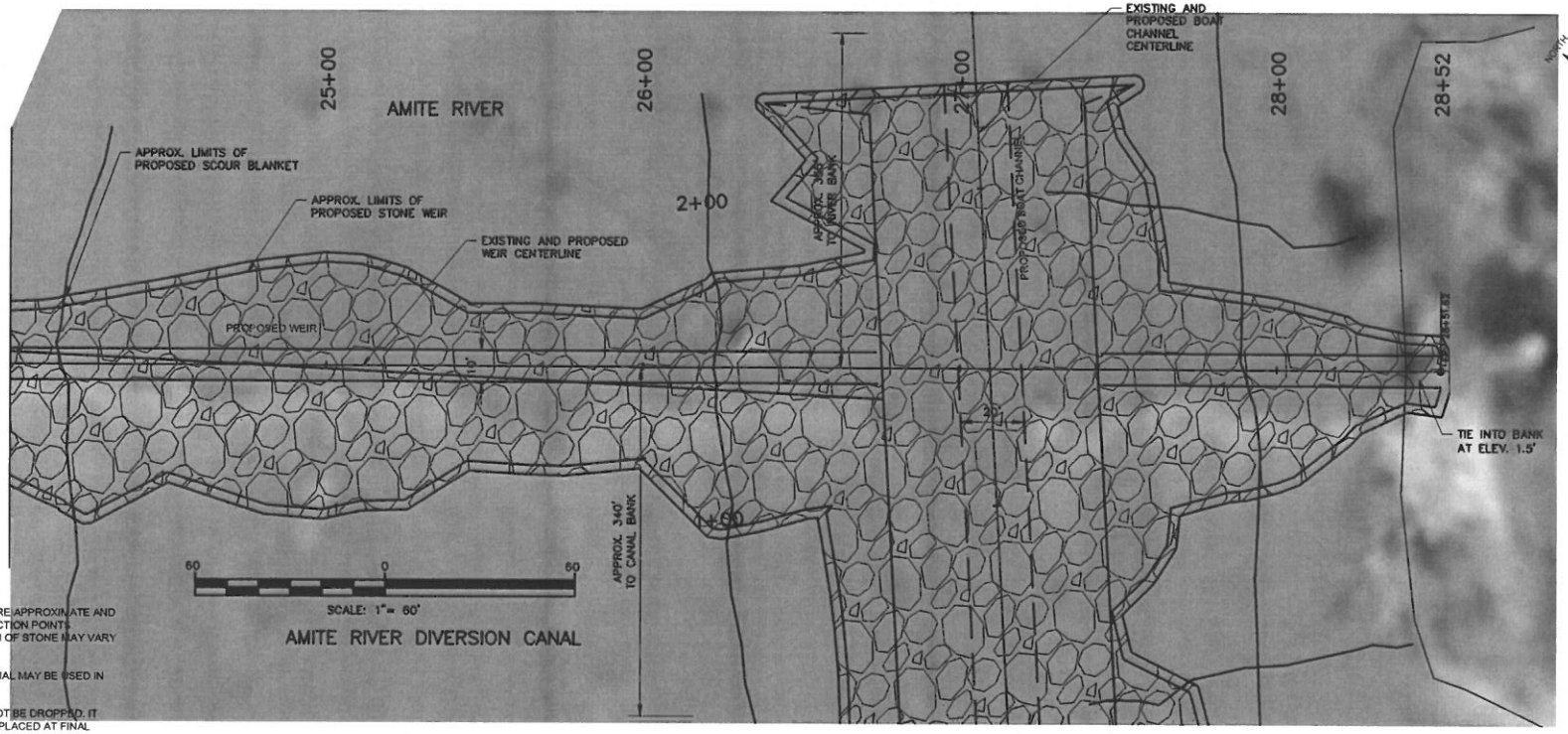
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE OR SALES

ENGINEER ANTHONY DUFFY
LICENSE # 33563
DATE NOVEMBER 2018

WEIR PLAN AND PROFILE

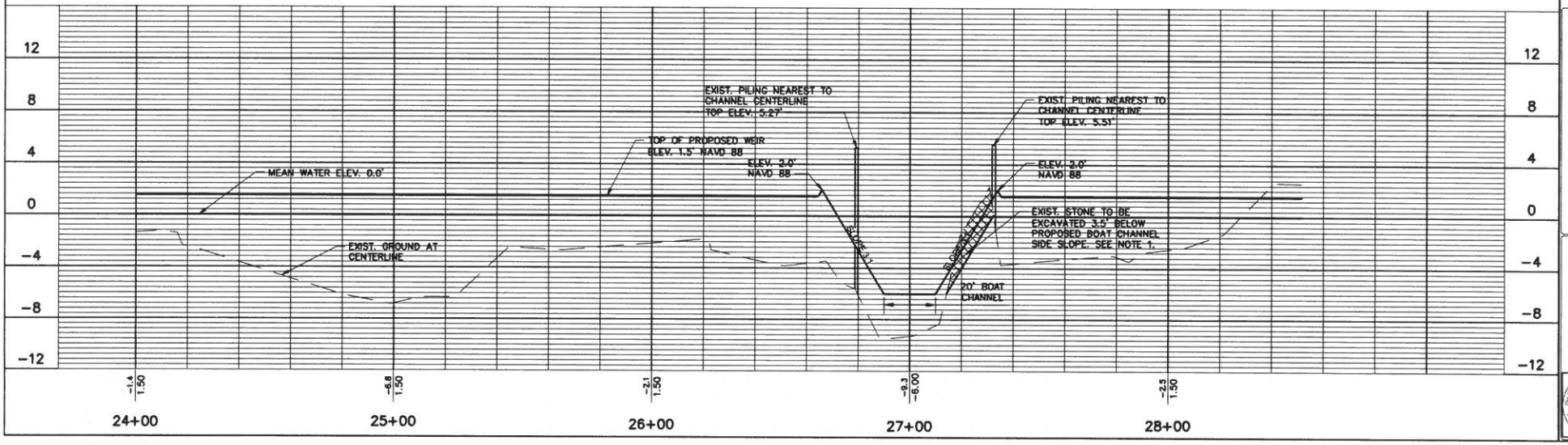
AMITE RIVER DIVERSION CANAL WEIR

PONTCHARTRAIN LEVEE DISTRICT



NOTES:

1. LIMITS OF STONE ARE APPROXIMATE AND BASED ON CROSS SECTION POINTS. LOCATION AND DEPTH OF STONE MAY VARY IN THE FIELD.
2. EXCAVATED MATERIAL MAY BE USED IN FILLING SCOUR HOLE.
3. MATERIAL SHALL NOT BE DROPPED. IT MUST BE CAREFULLY PLACED AT FINAL LOCATION.



SHEET NUMBER 10

DESIGNED	HCL	PROJECT PROJECT	----
CHECKED	JDH		
DETAILED	ESL	DISTRICT PROJECT	
CHECKED	HCL		
DATE	11/08/2016		
SHEET	9 OF 23		

VOLKERT

PRELIMINARY

NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE OR SALES

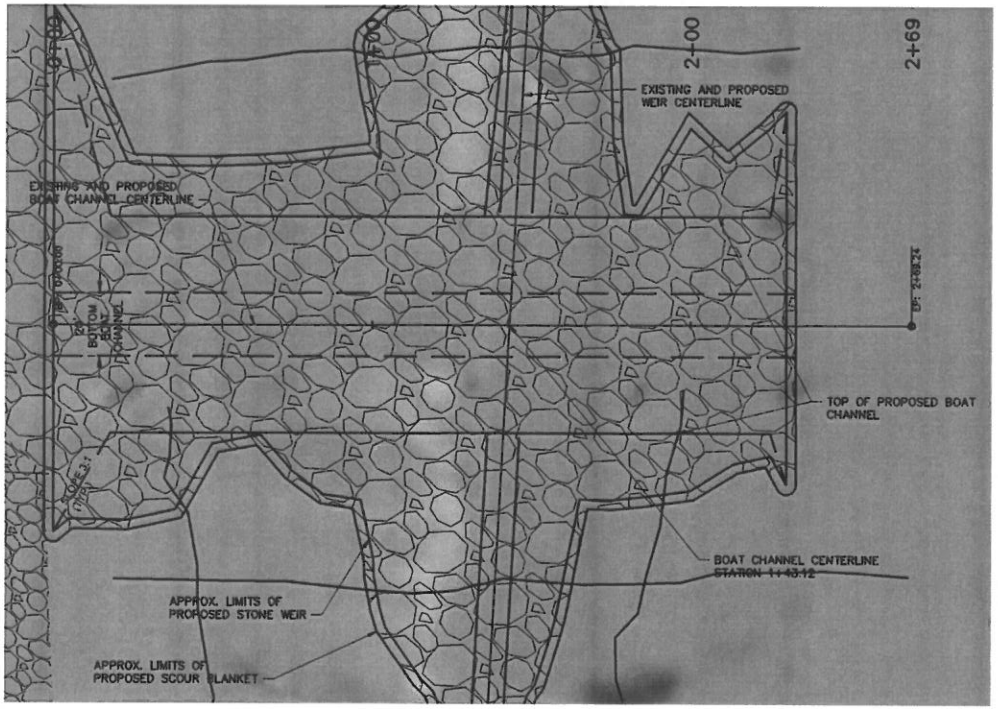
PREPARED BY: ANTHONY DEFT
LICENSE #: 35343
DATE: NOVEMBER 2016

WEIR PLAN AND PROFILE

AMITE RIVER DIVERSION CANAL WEIR

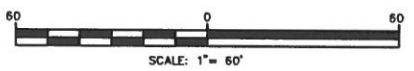
PONTCHARTRAIN LEVEE DISTRICT

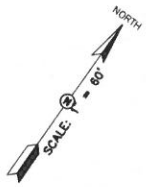
AMITE RIVER DIVERSION CANAL

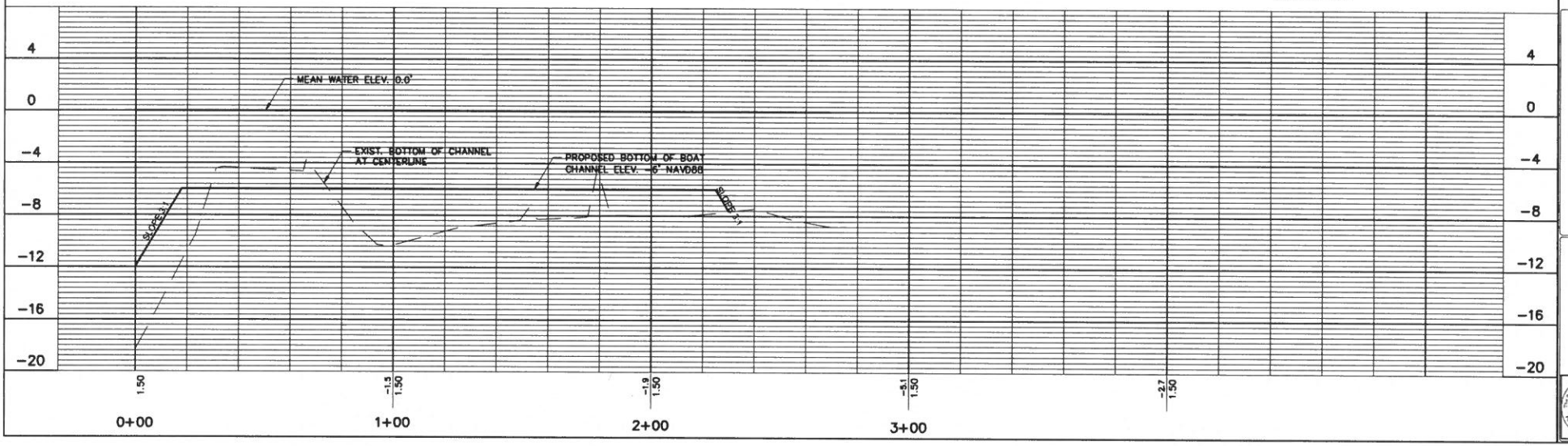


AMITE RIVER

NOTE: LIMITS OF STONE ARE APPROXIMATE AND BASED ON CROSS SECTION POINTS. LOCATION AND DEPTH OF STONE MAY VARY IN THE FIELD.







SHEET NUMBER 11

DESIGNED	HCL	VOLKERT PROJECT	----
CHECKED	JDM		
DETAILED	ESL	DISTRICT PROJECT	
CHECKED	HCL		
DATE	11/08/2016		
SHEET	10 OF 23		

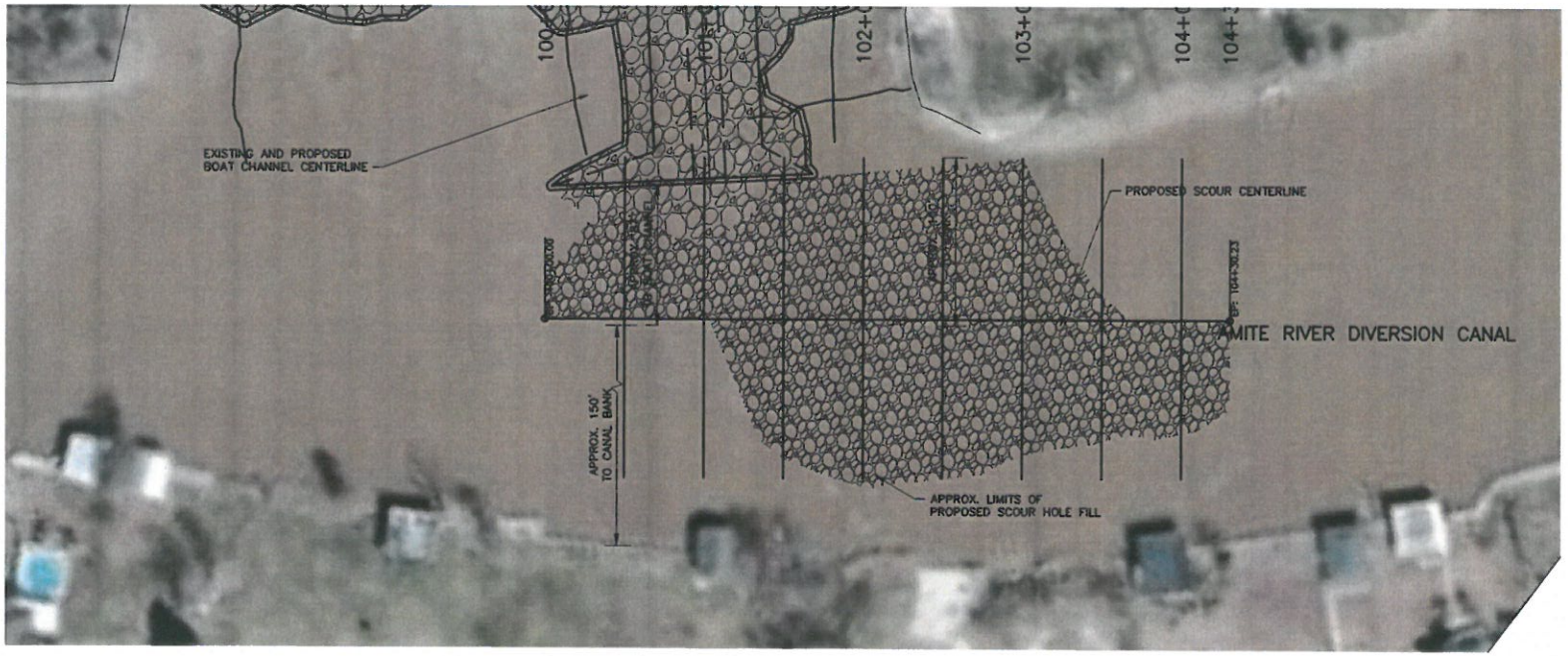
VOLKERT

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, OR CONFORMANCE OF SALES
ENGINEER: ANTHONY HITT
LICENSE #: 33361
DATE: NOVEMBER 2016

BOAT CHANNEL PLAN AND PROFILE

AMITE RIVER DIVERSION CANAL WEIR

PONTCHARTRAIN LEVEE DISTRICT



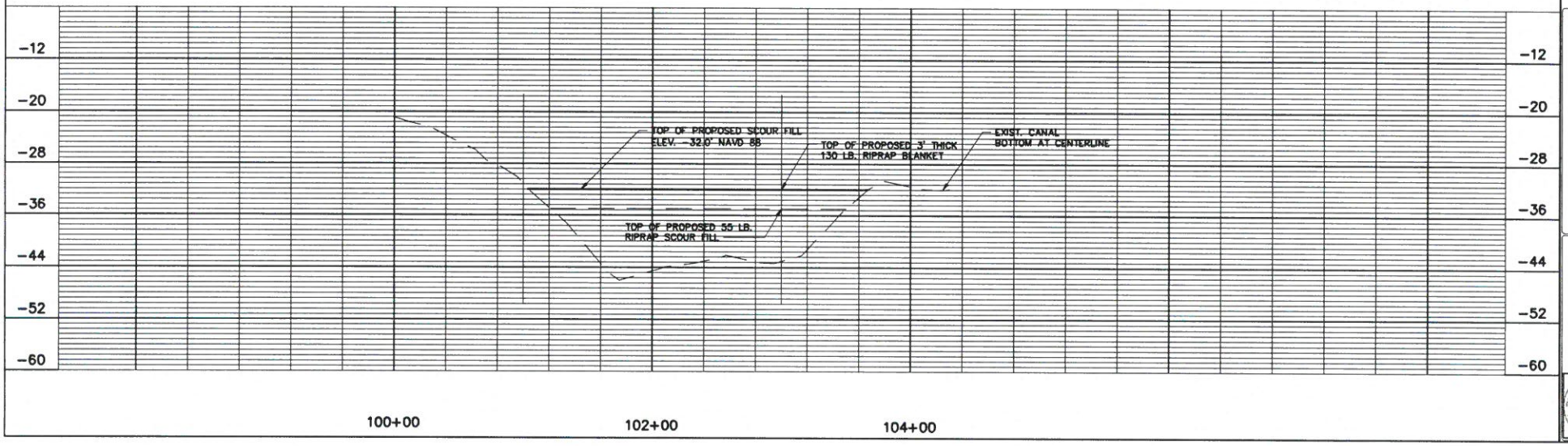
NOTES:

LIMITS OF STONE ARE APPROXIMATE AND BASED ON CROSS SECTION POINTS. LOCATION AND DEPTH OF STONE MAY VARY IN THE FIELD.

A 3' THICK (MIN.) LAYER OF 130 LB RIPRAP IS TO BE CARRIED FROM BOAT CHANNEL TO SCOUR HOLE FILL

120 0 120

SCALE: 1"= 120'



SHEET NUMBER 12

DESIGNED	HCL	VOLKERT PROJECT	----
CHECKED	JDM		
DETAILED	ESL	DISTRICT PROJECT	
CHECKED	HCL		
DATE	11/08/2016		
SHEET	11 OF 23		

VOLKERT

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR CONVEYANCE OF SALES

ENGINEER: ANTHONY HITT
LICENSE #: 35347
DATE: NOVEMBER 2016

SCOUR PLAN AND PROFILE

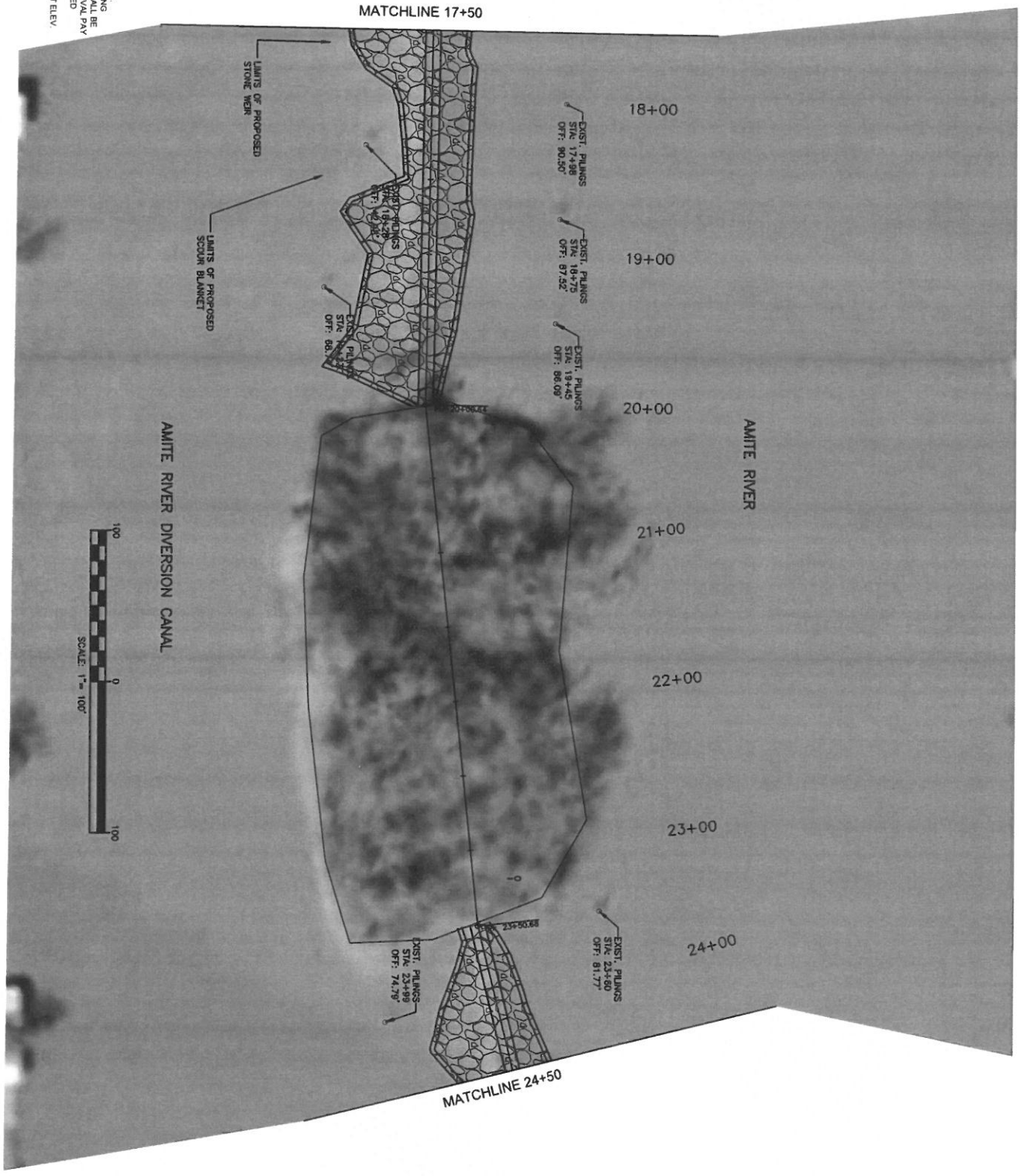
AMITE RIVER DIVERSION CANAL WEIR

PONTCHARTRAIN LEVEE DISTRICT

NOTES:
1. STABILITY OF PILING IS UNKNOWN.
2. ALL DEBRIS WITHIN LIMITS OF PILING SHALL BE REMOVED AND PAID FOR UNDER THE DEBRIS REMOVAL PAY ITEM. SOME DEBRIS MAY BE LOCATED UNDERWATER.
3. WEIR IS CONNECTED AT BANKS AT ELEV. 1.5'.
DETAIL A
3' SCOUR BLANKET
LIMITS OF STONE WEIR
SLOPE 3:1 TO BOTTOM
15'
SLOPE 6:1 TO BOTTOM
3' SCOUR BLANKET
NORTH
SCALE: 1" = 100'
AMITE RIVER
LIMITS OF STONE WEIR
EXIST. PILINGS STA: 10+71 OFF: 103.15'
EXIST. PILINGS STA: 11+62 OFF: 89.10'
EXIST. PILINGS STA: 10+66 OFF: 42.87'
EXIST. PILINGS STA: 12+39 OFF: 73.11'
EXIST. PILINGS STA: 13+17 OFF: 80.55'
EXIST. PILINGS STA: 14+11 OFF: 92.91'
SEE DETAIL A
TEMP. BENCHMARK ELEV. 3.55
EXIST. PILINGS STA: 16+27 OFF: 96.30'
EXIST. PILINGS STA: 16+17 OFF: 96.24'
EXIST. PILINGS STA: 17+21 OFF: 93.16'
LIMITS OF PROPOSED SCOUR BLANKET
LIMITS OF PROPOSED STONE WEIR
EXIST. PILINGS STA: 11+56 OFF: 79.58'
EXIST. PILINGS STA: 12+59 OFF: 85.89'
EXIST. PILINGS STA: 13+77 OFF: 86.20'
EXIST. PILINGS STA: 14+57 OFF: 75.85'
EXIST. PILINGS STA: 15+75 OFF: 97.63'
EXIST. PILINGS STA: 16+95 OFF: 95.73'
AMITE RIVER DIVERSION CANAL
MATCHLINE 17+50
100 0 100
SCALE: 1"= 100'
SHEET NUMBER 13
DESIGNED HCL
CHECKED JCH
DETAILED ESL
CHECKED HCL
DATE 11/08/2016
SHEET 12 OF 23
VOLKERT PROJECT ----
DISTRICT PROJECT
VOLKERT
PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
ENGINEER ANTHONY LATT
LICENSE # 25340
DATE NOVEMBER 2016
PILINGS
AMITE RIVER DIVERSION CANAL, WEIR
PONTCHARTRAIN LEVEE DISTRICT

NOTES:

1. STABILITY OF PILING IS UNKNOWN.
2. ALL DEBRIS WITHIN LIMITS OF PILING SHALL BE REMOVED. THIS SHALL BE PAID FOR UNDER THE DEBRIS REMOVAL PAY ITEM. SOME DEBRIS MAY BE LOCATED UNDERWATER
3. WEIR IS CONNECTED AT BANKS AT ELEV. 1.5'.



PONTCHARTRAIN LEVEE DISTRICT

PILINGS

AMITE RIVER DIVERSION CANAL WEIR

PRELIMINARY

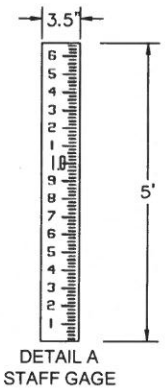
NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE OR SALES.

ENGINEER: ANTHONY E. HITT
LICENSE #: 35363
DATE: NOVEMBER 2016

VOLKERT

DESIGNED / CHECKED	HCL / JCM		
DETAILED / CHECKED	ESL / HCL	VOLKERT PROJECT	----
DATE / SHEET	11/08/2016 / 13 OF 23	DISTRICT PROJECT	

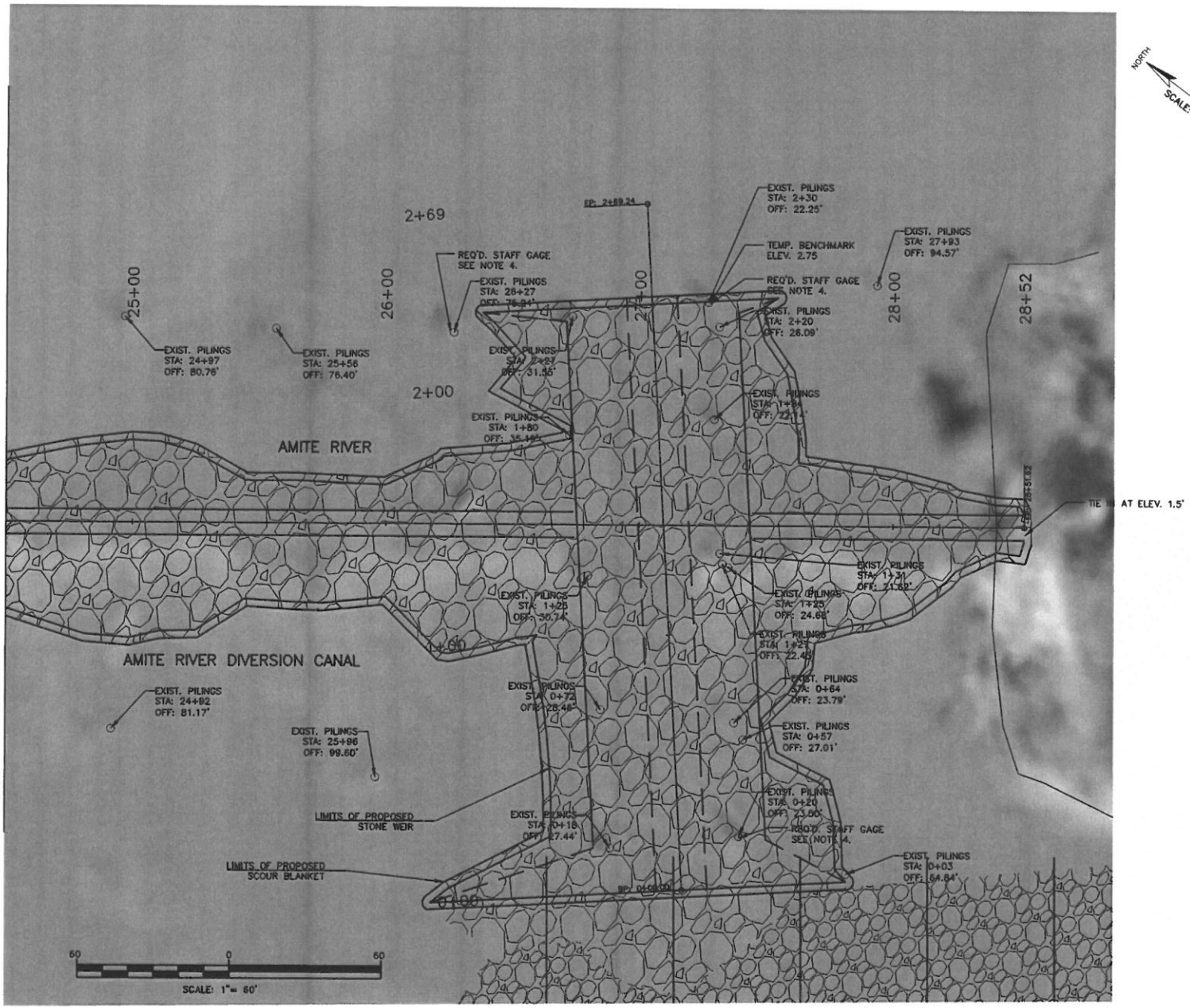
SHEET NUMBER 14



DETAIL A
STAFF GAGE

NOTES:

1. STABILITY OF PILING IS UNKNOWN.
2. WEIR IS CONNECTED TO BANKS AT ELEV. 1.5'.
3. STAFF GAGE TO BE INSTALLED ON PILING AND CALIBRATED TO THE EXISTING WATER ELEVATION ACCORDING TO NAVD88.
4. GAGE SHALL BE 3.5 INCHES WIDE AND 5 FEET HIGH WITH 0.25 INCH GRADATIONS.
5. GAGE SHALL CONSIST OF A METAL CORE COATED WITH PORCELAIN ENAMEL. THE METAL CORE SHALL BE HEAVY 16 GAUGE (0.075 IN.) IRON COMPLETELY COVERED WITH A BAKED ON PORCELAIN ENAMEL FINISH TO RESIST RUST AND DISCOLORATION.
6. THE GAGE SHALL BE WHITE WITH BLACK MARKINGS.



SHEET NUMBER 15

DESIGNED	HCL	VOLKERT PROJECT	----
CHECKED	JCH		
DETAILED	ESL	DISTRICT PROJECT	
CHECKED	HCL		
DATE	11/08/2016		
SHEET	14 OF 23		

VOLKERT

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION, BIDDING OR RECORDATION. CONFORMANCE OR SALES

PILINGS

AMITE RIVER DIVERSION CANAL WEIR

PONTCHARTRAIN LEVEE DISTRICT

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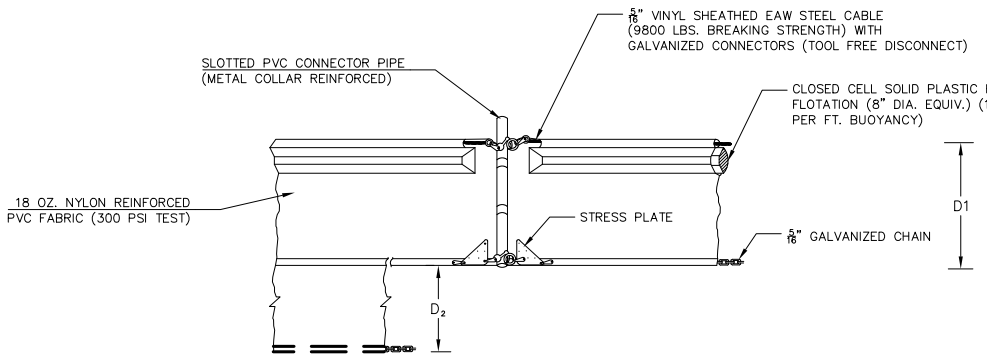
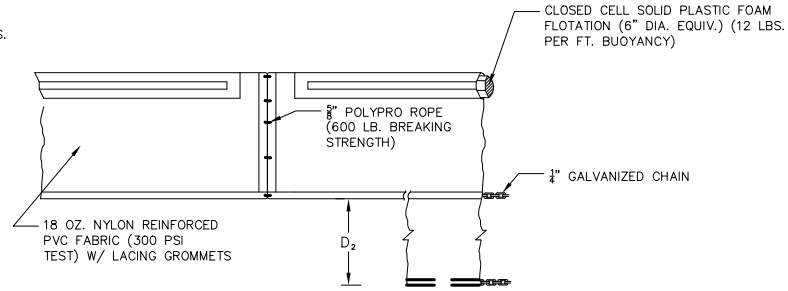


TYPE II
NOT-TO-SCALE



TYPE I
NOT-TO-SCALE

D1 = 5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).
D_2 = 5' STD. (ADDITIONAL PANEL FOR DEPTHS > 5').
CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET. TWO (2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL CURTAINS SPECIFICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

NOTICE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

GENERAL NOTES:

FLOATING TURBIDITY BARRIERS ARE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR FLOATING TURBIDITY BARRIER, LF.

SHEET NUMBER 16

DESIGNED	HLC	VOLKERT PROJECT 543300.80
CHECKED	JCM	
DETAILED	ESL	DISTRICT PROJECT
CHECKED	HLC	
DATE	03/21/2017	
SHEET		

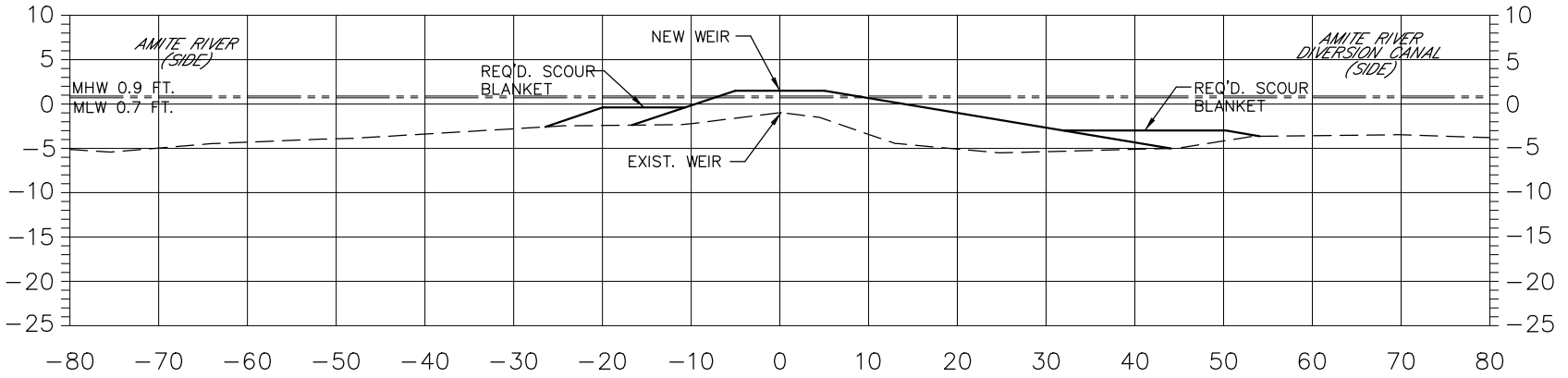
VOLKERT

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE OR SALES.
ENGINEER: ANTHONY GIETTI
LICENSE #: 35363
DATE: NOVEMBER 2016

TURBIDITY BARRIER DETAIL

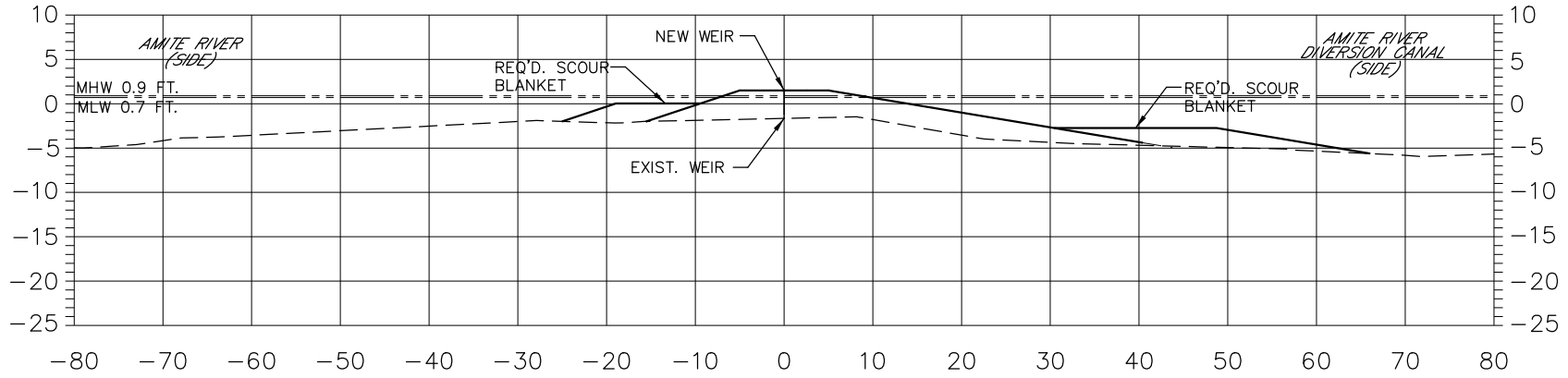
AMITE RIVER DIVERSION CANAL WEIR

PONTCHARTRAIN LEVEE DISTRICT



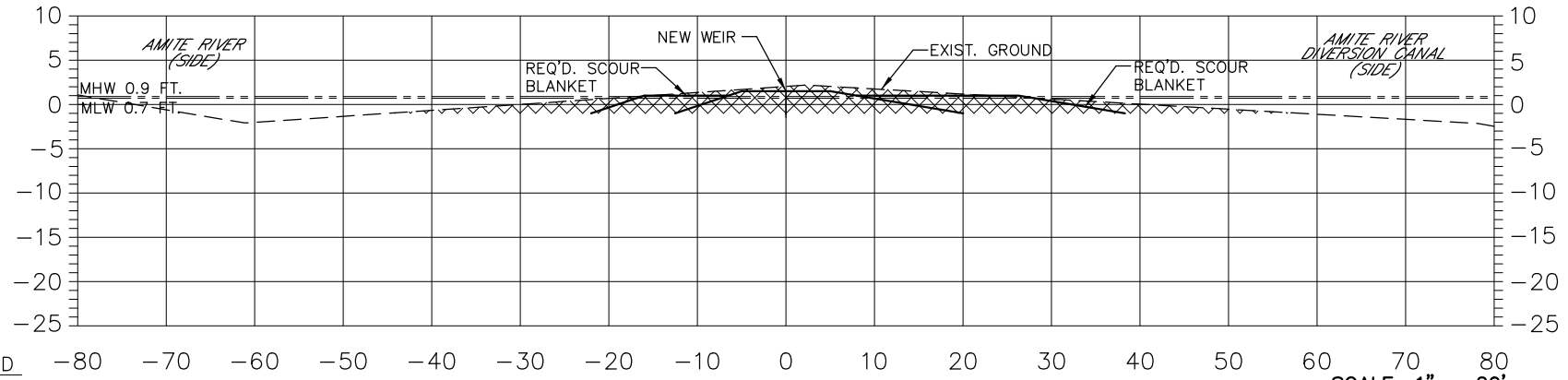
12+25.22

SECTION ORIENTATION LOOKING SOUTHEAST



11+11.17

SECTION ORIENTATION LOOKING SOUTHEAST



LEGEND

REQ'D EXCAVATION

EXIST. CANAL BOTTOM\BOAT CHANNEL

REQ'D. SCOUR BLANKET & NEW BOAT CHANNEL

SCALE: 1" = 20'

10+40.00

SECTION ORIENTATION LOOKING SOUTHEAST

November 9, 2016 11:05 AM

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SHEET NUMBER 17

DESIGNED HLC
CHECKED JCM
DETAILED ESL
CHECKED HLC
DATE 03/21/2017
SHEET

VOLKERT PROJECT 543300.80

DISTRICT PROJECT

VOLKERT

PRELIMINARY

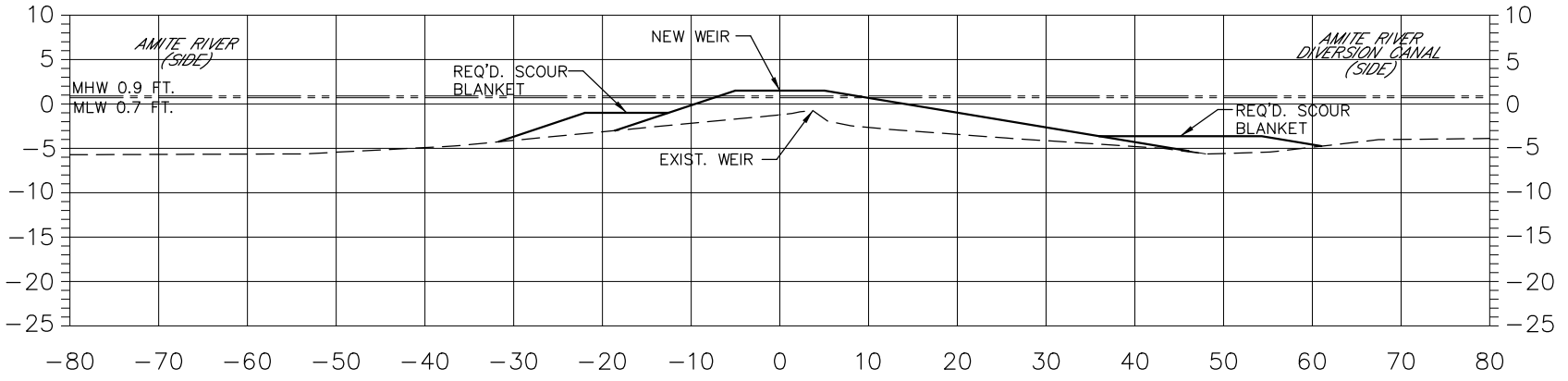
NOT TO BE USED FOR CONSTRUCTION, BIDDING, CONVEYANCE OR SALES

ENGINEER: ANTHONY GIATTI
LICENSE #: 35363
DATE: NOVEMBER 2016

WEIR CROSS SECTIONS

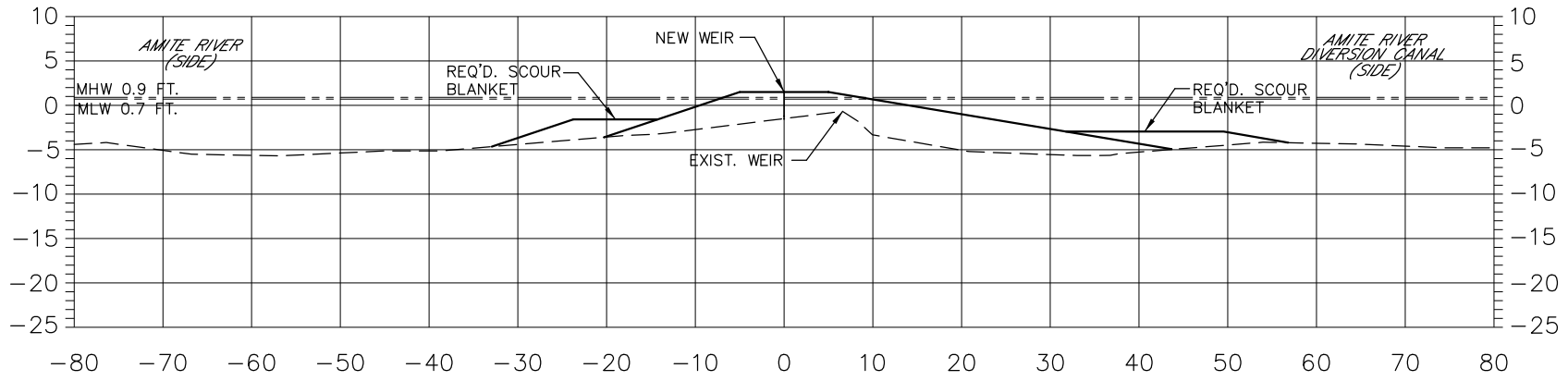
AMITE RIVER DIVERSION CANAL WEIR

PONTCHARTRAIN LEVEE DISTRICT



14+30.32

SECTION ORIENTATION LOOKING SOUTHEAST



13+28.92

SECTION ORIENTATION LOOKING SOUTHEAST

LEGEND

— — — - EXIST. CANAL BOTTOM\WEIR

——— REQ'D. SCOUR BLANKET & NEW WEIR

SCALE: 1" = 20'

SHEET NUMBER 18

VOLKERT PROJECT 543300.80

DISTRICT PROJECT

DESIGNED HLC
CHECKED JCM
DETAILED ESL
CHECKED HLC
DATE 03/21/2017
SHEET

VOLKERT

PRELIMINARY

NOT TO BE USED FOR CONSTRUCTION, BIDDING, REGISTRATION, CONVEYANCE OR SALES

ENGINEER: ANTHONY GIATTI
LICENSE #: 35363
DATE: NOVEMBER 2016

WEIR CROSS SECTIONS

AMITE RIVER DIVERSION CANAL WEIR

PONTCHARTRAIN LEVEE DISTRICT

November 9, 2016 11:05 AM

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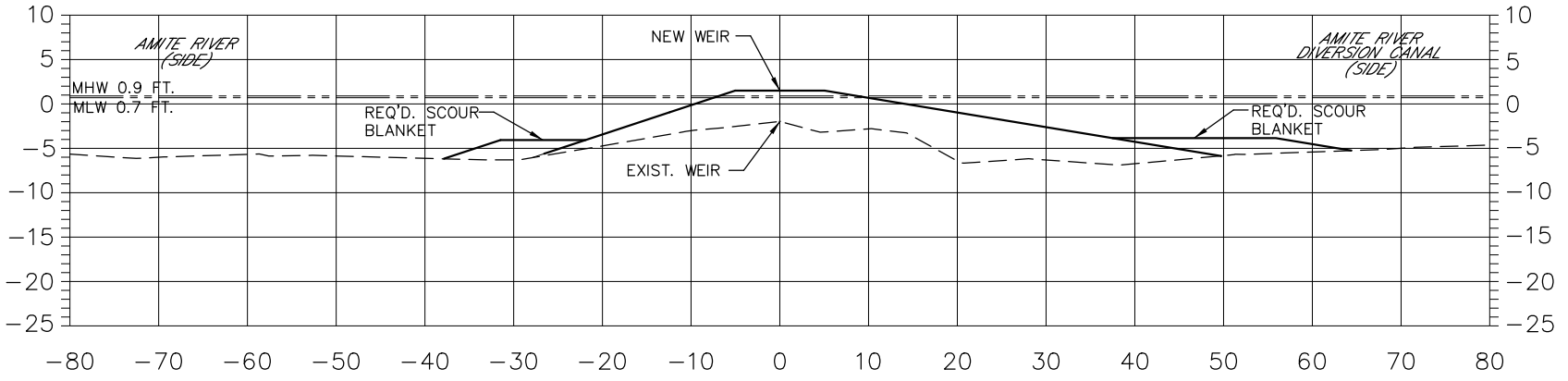
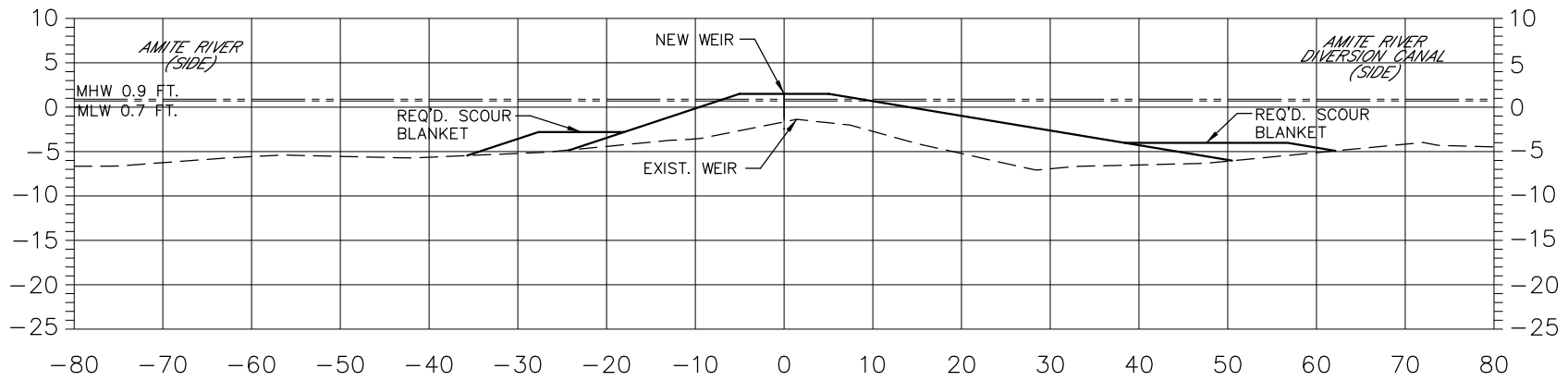


16+67.07

SECTION ORIENTATION LOOKING SOUTHEAST



15+16.08

SECTION ORIENTATION LOOKING SOUTHEAST

90

LEGEND

— — — - EXIST. CANAL BOTTOM\WEIR

——— REQ'D. SCOUR BLANKET & NEW WEIR

SCALE: 1" = 20'

SHEET NUMBER 19

VOLKERT PROJECT 543300.80

DISTRICT PROJECT

DESIGNED HLC
CHECKED JCM
DETAILED ESL
CHECKED HLC
DATE 03/21/2017
SHEET

VOLKERT

PRELIMINARY

NOT TO BE USED FOR CONSTRUCTION, BIDDING, REGISTRATION, CONVEYANCE OR SALES

ENGINEER: ANTHONY EVETT
LICENSE #: 35363
DATE: NOVEMBER 2016

PONTCHARTRAIN LEVEE DISTRICT

WEIR CROSS SECTIONS

AMITE RIVER DIVERSION CANAL WEIR

November 9, 2016 11:05 AM

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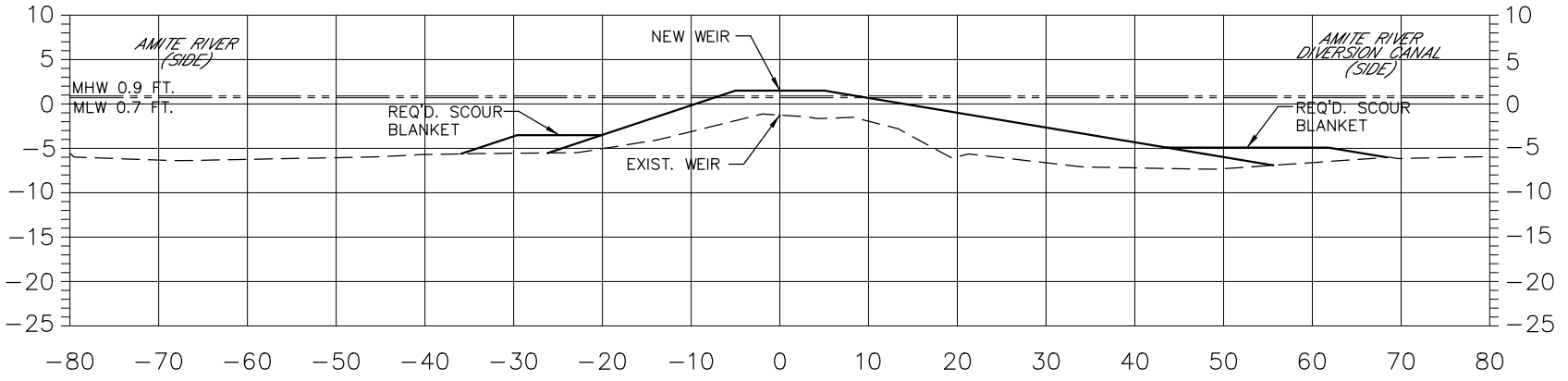
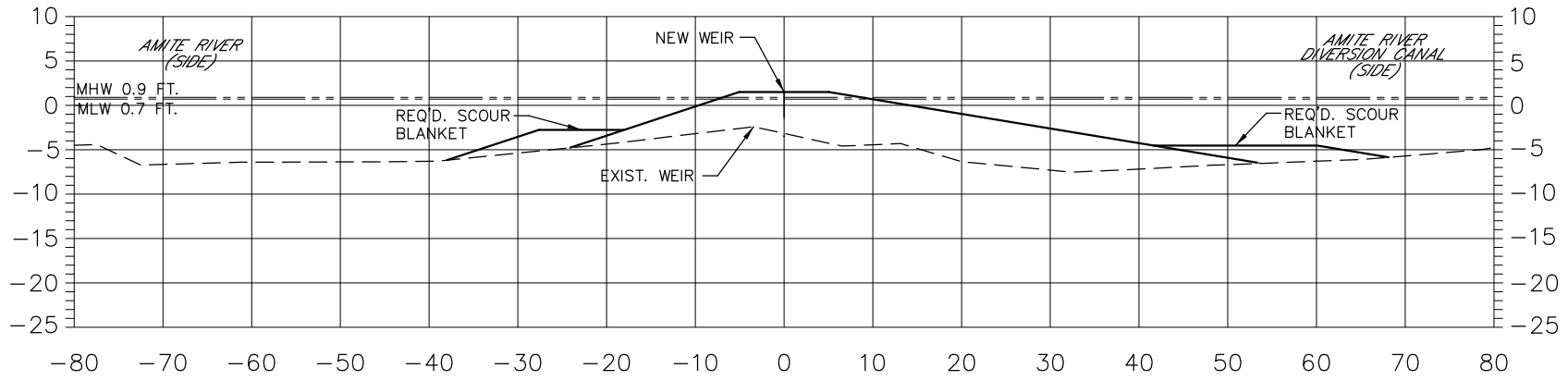


18+76.81

SECTION ORIENTATION LOOKING SOUTHEAST



17+64.08

SECTION ORIENTATION LOOKING SOUTHEAST

LEGEND

— — — - EXIST. CANAL BOTTOM\WEIR

——— REQ'D. SCOUR BLANKET & NEW WEIR

SCALE: 1" = 20'

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November 9, 2016 11:05 AM

SHEET NUMBER 20

VOLKERT PROJECT 543300.80

DISTRICT PROJECT

DESIGNED HLC

CHECKED JCM

DETAILED ESL

CHECKED HLC

DATE 03/21/2017

SHEET

VOLKERT

PRELIMINARY

NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE OR SALES

ENGINEER: ANTHONY GIETT

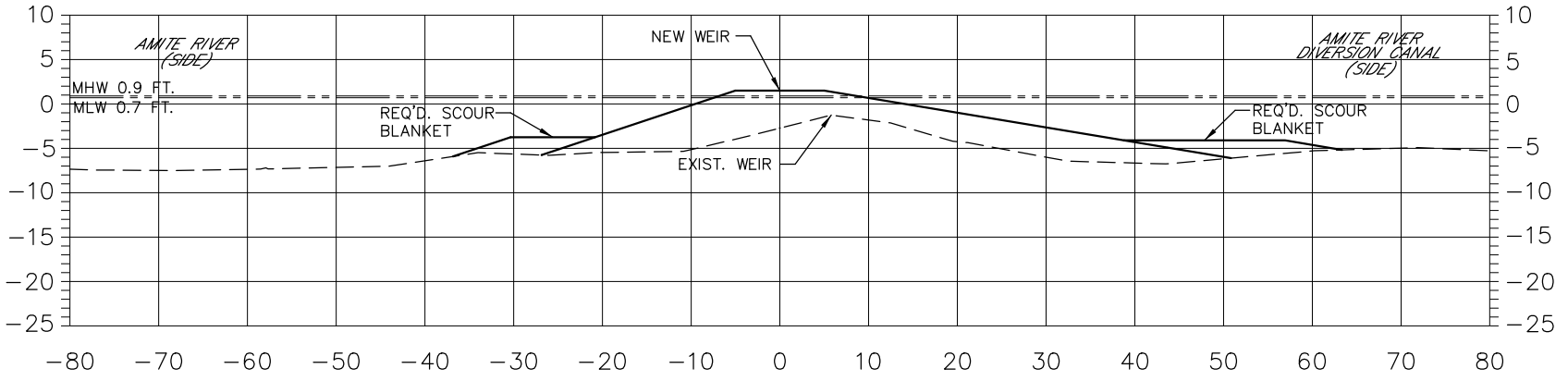
LICENSE #: 35363

DATE: NOVEMBER 2016

WEIR CROSS SECTIONS

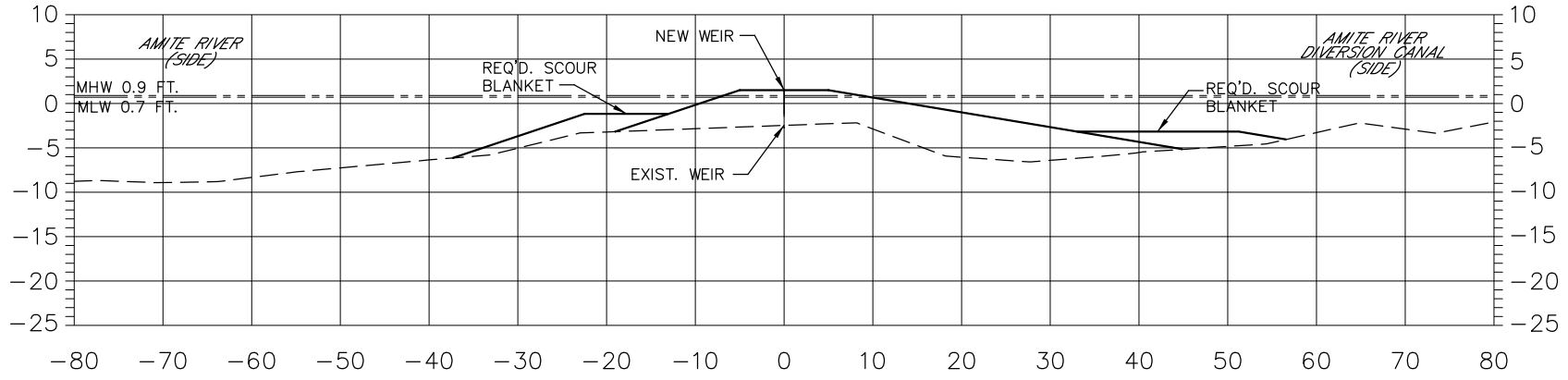
AMITE RIVER DIVERSION CANAL WEIR

PONTCHARTRAIN LEVEE DISTRICT



26+25.22

SECTION ORIENTATION LOOKING SOUTHEAST



24+20.21

SECTION ORIENTATION LOOKING SOUTHEAST

LEGEND

— — — - EXIST. CANAL BOTTOM\WEIR

——— REQ'D. SCOUR BLANKET & NEW WEIR

SCALE: 1" = 20'

SHEET NUMBER 21

DESIGNED HLC
CHECKED JCM
DETAILED ESL
CHECKED HLC
DATE 03/21/2017
SHEET

VOLKERT PROJECT 543300.80

DISTRICT PROJECT

VOLKERT

PRELIMINARY

NOT TO BE USED FOR CONSTRUCTION, BIDDING, REGISTRATION, CONVEYANCE OR SALES

ENGINEER: ANTHONY GIATTI
LICENSE #: 35363
DATE: NOVEMBER 2016

PONTCHARTRAIN LEVEE DISTRICT

WEIR CROSS SECTIONS

AMITE RIVER DIVERSION CANAL WEIR

November 9, 2016 11:05 AM

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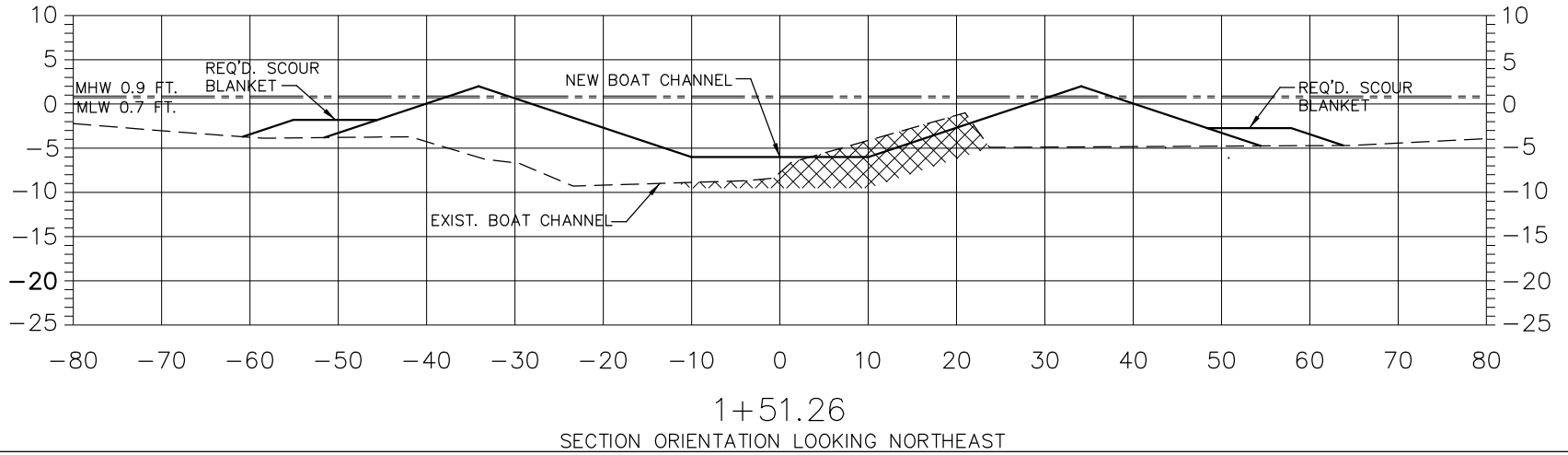
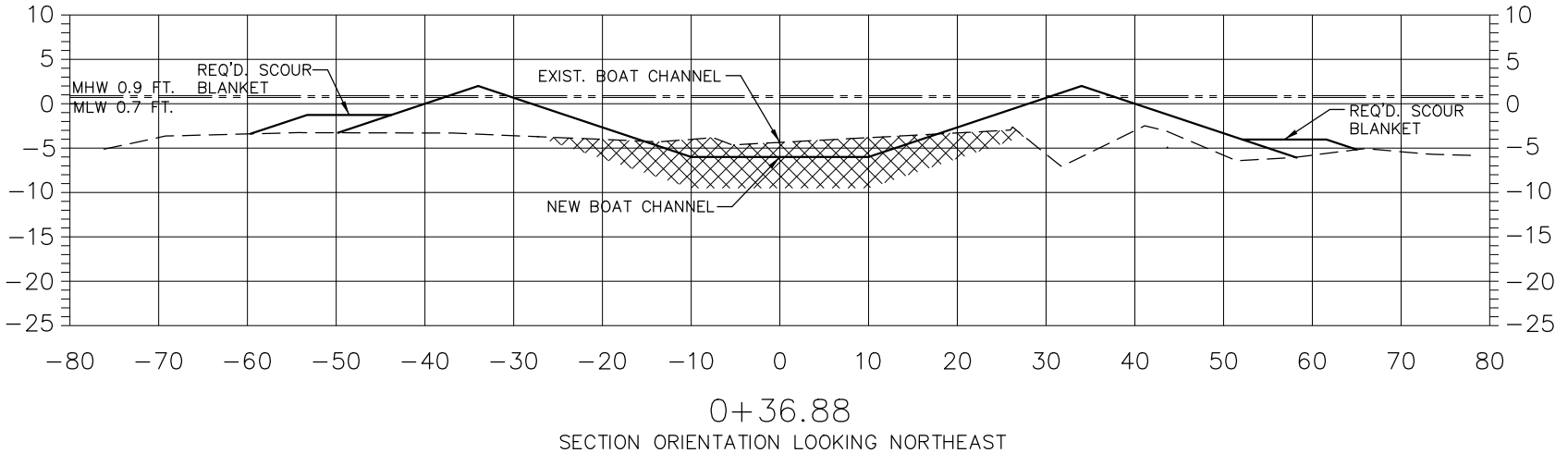


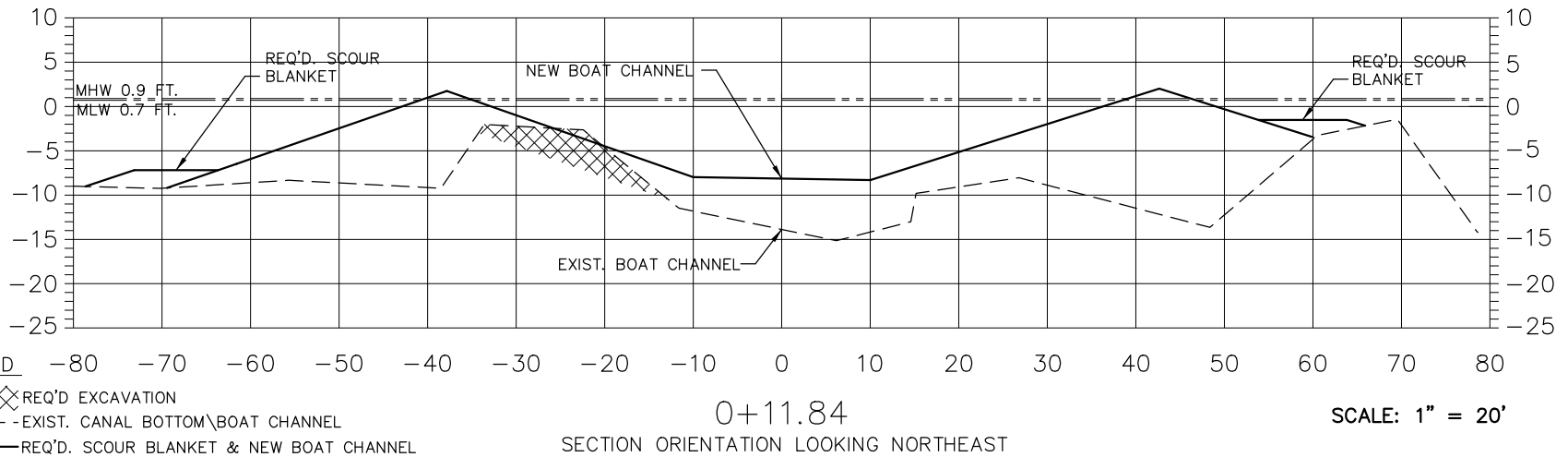
1+51.26

SECTION ORIENTATION LOOKING NORTHEAST



0+36.88

SECTION ORIENTATION LOOKING NORTHEAST



LEGEND

REQ'D EXCAVATION

EXIST. CANAL BOTTOM\BOAT CHANNEL

REQ'D. SCOUR BLANKET & NEW BOAT CHANNEL

0+11.84

SECTION ORIENTATION LOOKING NORTHEAST

SCALE: 1" = 20'

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November 9, 2016 11:05 AM

SHEET NUMBER 22

VOLKERT PROJECT 543300.80

DISTRICT PROJECT

DESIGNED HLC
CHECKED JCM
DETAILED ESL
CHECKED HLC
DATE 03/21/2017
SHEET

VOLKERT

PRELIMINARY

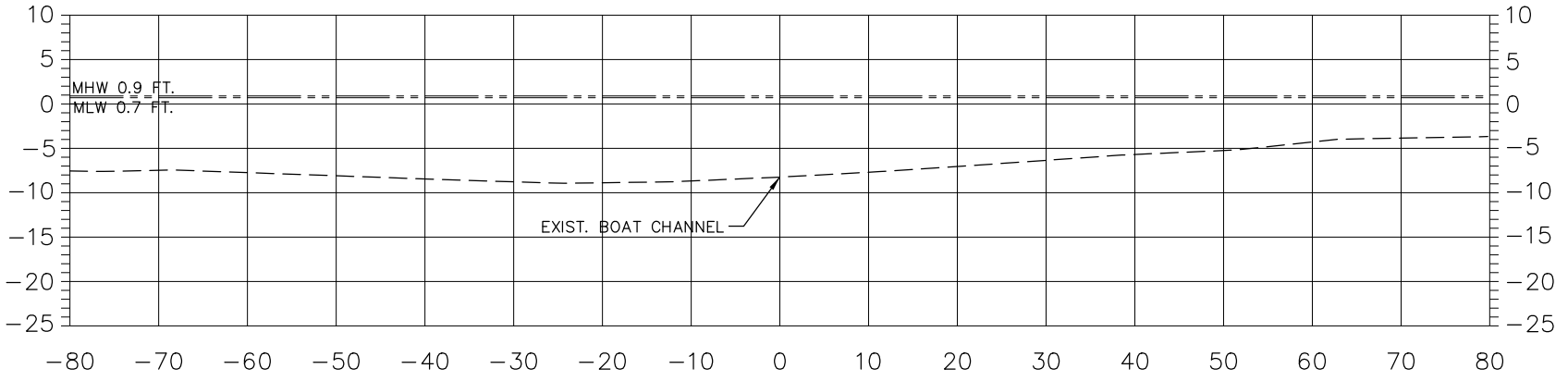
NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE OR SALES

ENGINEER: ANTHONY GIETT
LICENSE #: 35363
DATE: NOVEMBER 2016

BOAT CHANNEL CROSS SECTIONS

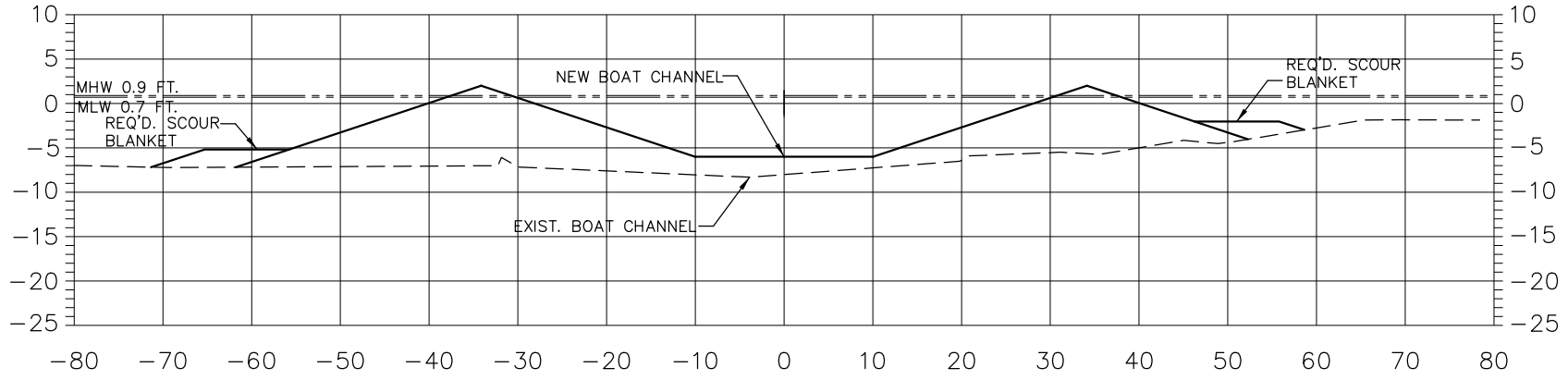
AMITE RIVER DIVERSION CANAL WEIR

PONTCHARTRAIN LEVEE DISTRICT



2+54.03

SECTION ORIENTATION LOOKING NORTHEAST



1+98.89

SECTION ORIENTATION LOOKING NORTHEAST

LEGEND

— — — -EXIST. CANAL BOTTOM\BOAT CHANNEL

———— REQ'D. SCOUR BLANKET & NEW BOAT CHANNEL

SCALE: 1" = 20'

BOAT CHANNEL CROSS SECTIONS

AMITE RIVER DIVERSION CANAL WEIR

PONTCHARTRAIN LEVEE DISTRICT

PRELIMINARY

NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE OR SALES

ENGINEER: ANTHONY GIATTI
LICENSE #: 33363
DATE: NOVEMBER 2016

VOLKERT

DESIGNED HLC
CHECKED JCM
DETAILED ESL
CHECKED HLC
DATE 03/21/2017
SHEET

VOLKERT PROJECT 543300.80
DISTRICT PROJECT

SHEET NUMBER 23

November 9, 2016 11:05 AM

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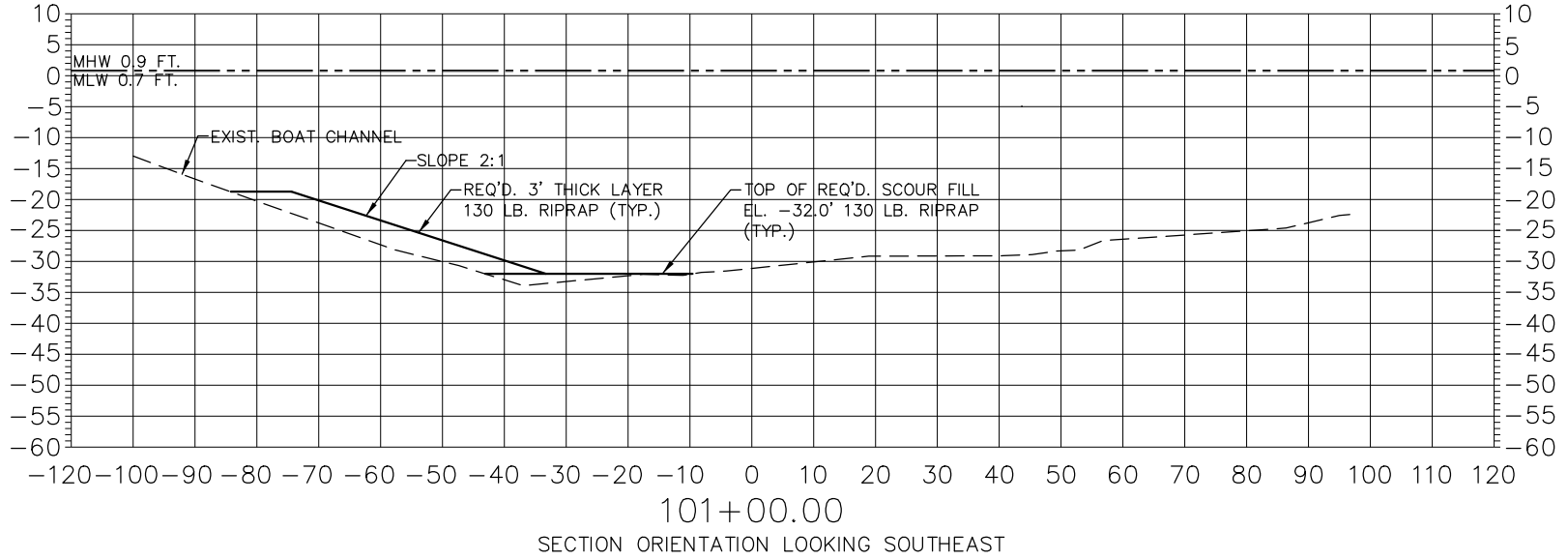
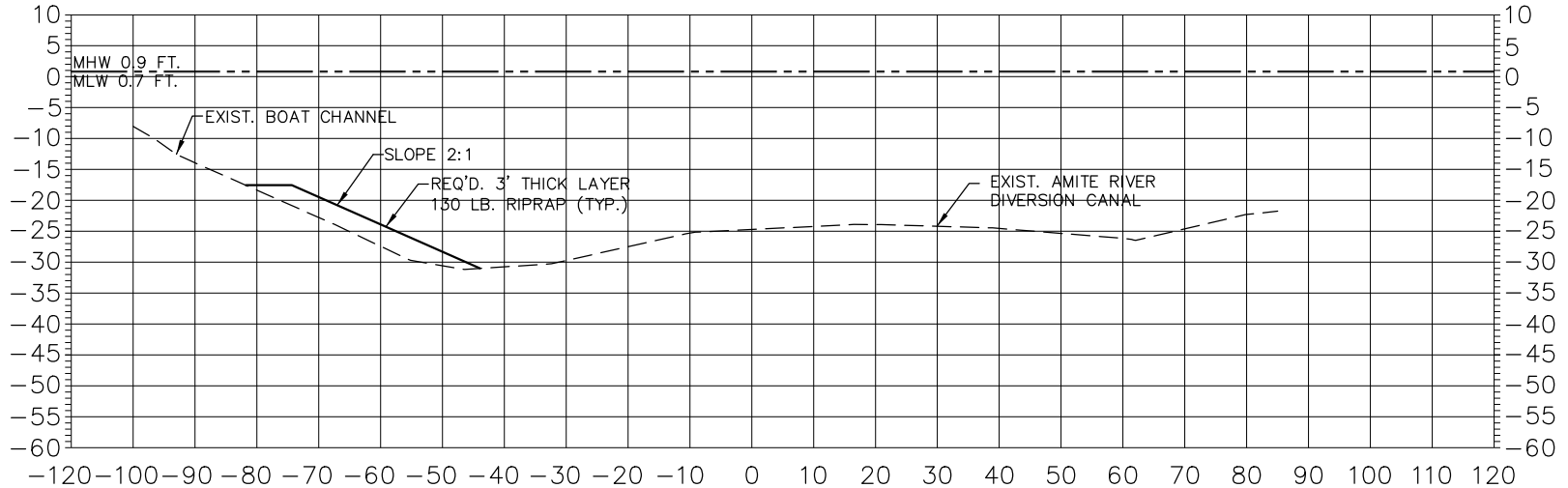


101+00.00

SECTION ORIENTATION LOOKING SOUTHEAST



100+50.00

SECTION ORIENTATION LOOKING SOUTHEAST

LEGEND

— — - EXIST. BOAT CHANNEL & CANAL BOTTOM

——— REQ'D. RIPRAP, SCUR BLANKET & SCOUR FILL (EL. -32.0')

——— REQ'D. SCOUR FILL (EL. -35.0')

SCALE: 1" = 30'

SHEET NUMBER 24

DESIGNED HLC
CHECKED JCM
DETAILED ESL
CHECKED HLC
DATE 03/21/2017
SHEET

VOLKERT PROJECT 543300.80
DISTRICT PROJECT

VOLKERT

PRELIMINARY

NOT TO BE USED FOR CONSTRUCTION, BIDDING, REGISTRATION, CONVEYANCE OR SALES

ENGINEER: ANTHONY EVETT
LICENSE #: 35363
DATE: NOVEMBER 2016

SCOUR CROSS SECTIONS

AMITE RIVER DIVERSION CANAL WEIR

PONTCHARTRAIN LEVEE DISTRICT

November 9, 2016 11:05 AM

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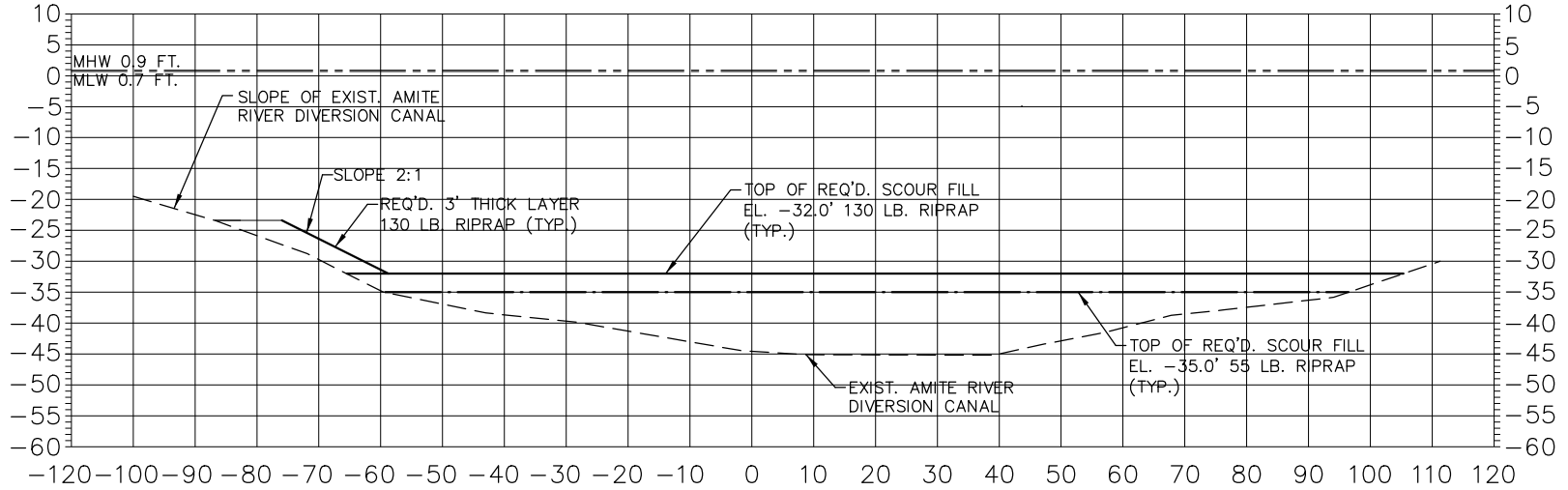
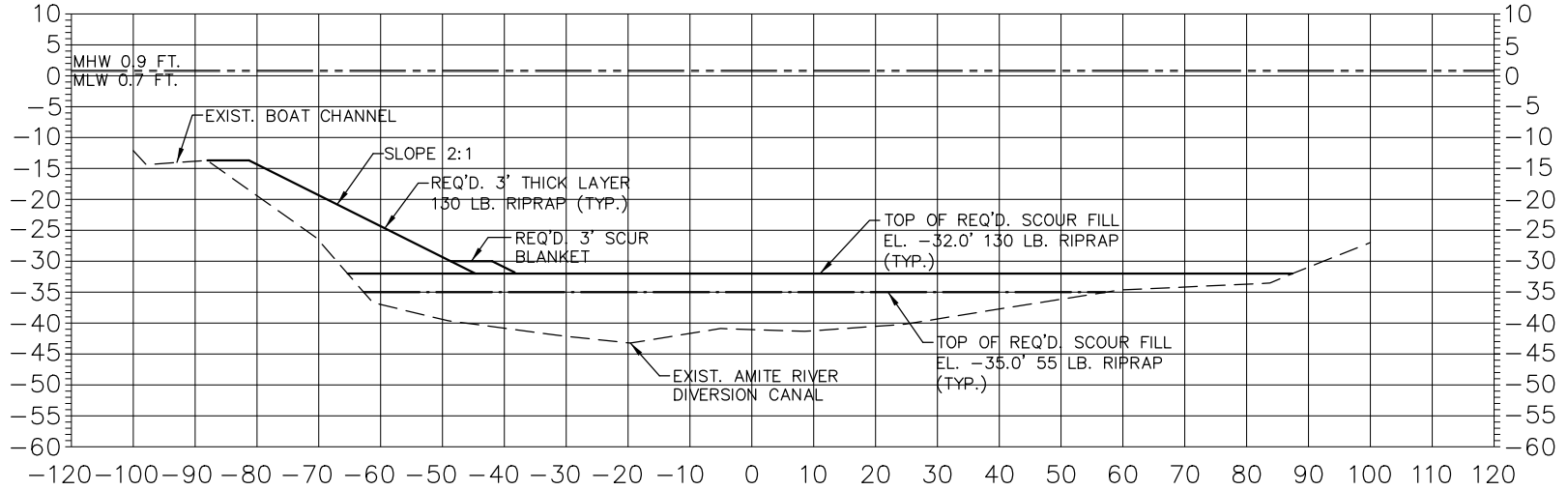


102+00.00

SECTION ORIENTATION LOOKING SOUTHEAST



101+50.00

SECTION ORIENTATION LOOKING SOUTHEAST

LEGEND

— — - EXIST. BOAT CHANNEL & CANAL BOTTOM

——— REQ'D. RIPRAP, SCUR BLANKET & SCOUR FILL (EL. −32.0')

——— REQ'D. SCOUR FILL (EL. −35.0')

SCALE: 1" = 30'

SHEET NUMBER 25

DESIGNED HLC
CHECKED JCM
DETAILED ESL
CHECKED HLC
DATE 03/21/2017
SHEET

VOLKERT PROJECT 543300.80

DISTRICT PROJECT

VOLKERT

PRELIMINARY

NOT TO BE USED FOR CONSTRUCTION, BIDDING, REGISTRATION, CONVEYANCE OR SALES

ENGINEER: ANTHONY GIETTI
LICENSE #: 35363
DATE: NOVEMBER 2016

PONTCHARTRAIN LEVEE DISTRICT

SCOUR CROSS SECTIONS

AMITE RIVER DIVERSION CANAL WEIR

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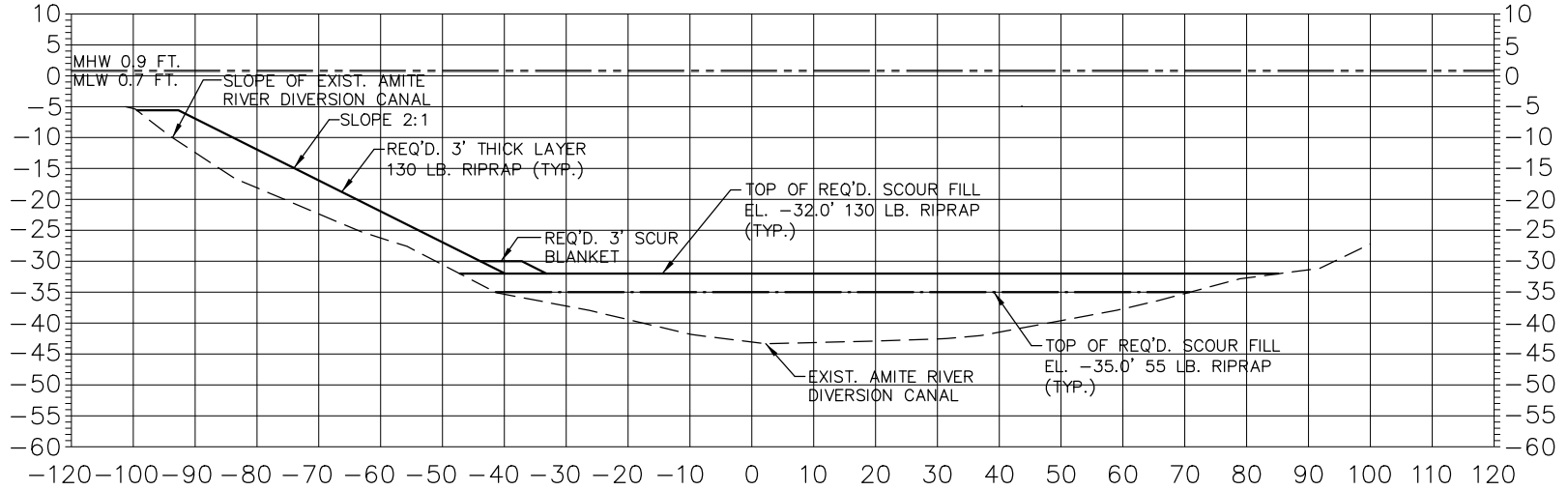
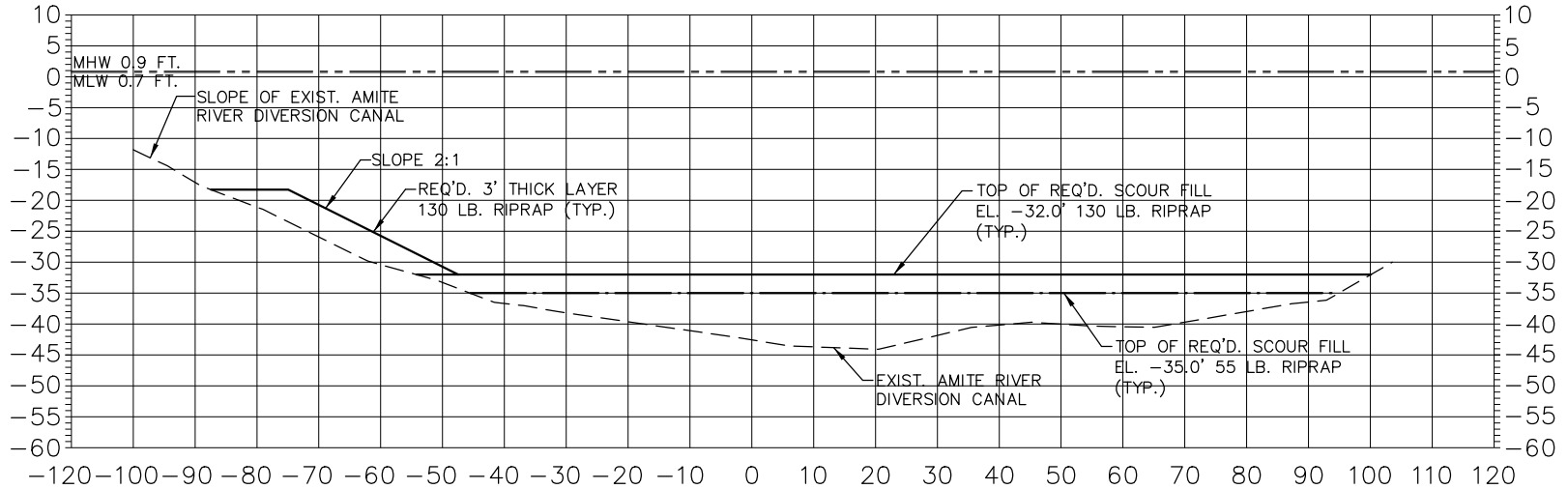


103+00.00

SECTION ORIENTATION LOOKING SOUTHEAST



102+50.00

SECTION ORIENTATION LOOKING SOUTHEAST

LEGEND

— — - EXIST. BOAT CHANNEL & CANAL BOTTOM

——— REQ'D. RIPRAP, SCUR BLANKET & SCOUR FILL (EL. −32.0')

——— REQ'D. SCOUR FILL (EL. −35.0')

SCALE: 1" = 30'

SHEET NUMBER 26

VOLKERT PROJECT 543300.80

DISTRICT PROJECT

DESIGNED HLC

CHECKED JCM

DETAILED ESL

CHECKED HLC

DATE 03/21/2017

SHEET

VOLKERT

PRELIMINARY

NOT TO BE USED FOR CONSTRUCTION, BIDDING, REGISTRATION, CONVEYANCE OR SALES

ENGINEER: ANTHONY GIATTI

LICENSE #: 35363

DATE: NOVEMBER 2016

SCOUR CROSS SECTIONS

AMITE RIVER DIVERSION CANAL WEIR

PONTCHARTRAIN LEVEE DISTRICT

November 9, 2016 11:05 AM

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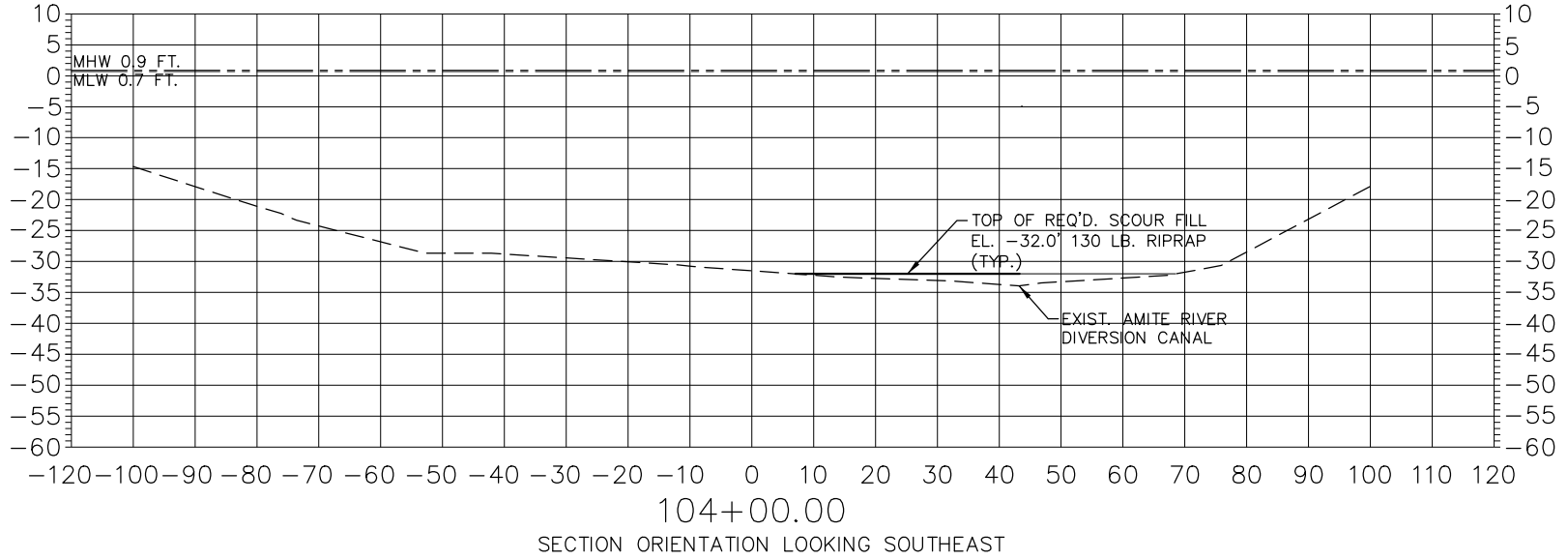
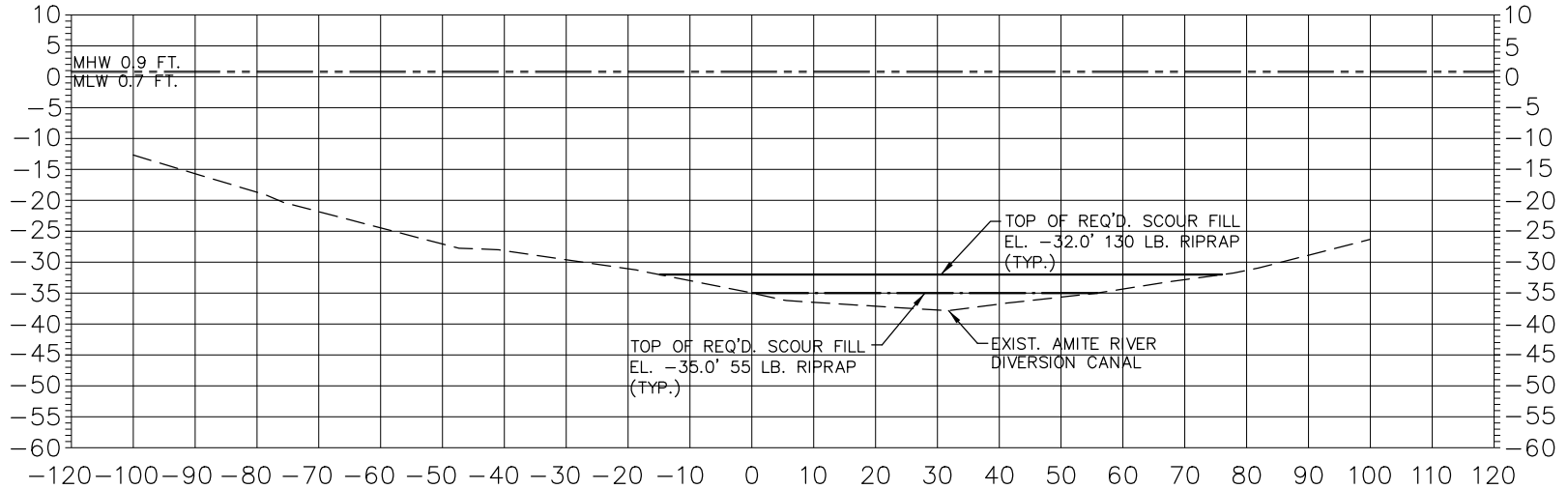


104+00.00

SECTION ORIENTATION LOOKING SOUTHEAST



103+50.00

SECTION ORIENTATION LOOKING SOUTHEAST

LEGEND

— — - EXIST. BOAT CHANNEL & CANAL BOTTOM

——— REQ'D. RIPRAP, SCUR BLANKET & SCOUR FILL (EL. −32.0')

——— REQ'D. SCOUR FILL (EL. −35.0')

SCALE: 1" = 30'

SHEET NUMBER 27

DESIGNED HLC
CHECKED JCM
DETAILED ESL
CHECKED HLC
DATE 03/21/2017
SHEET

VOLKERT PROJECT 543300.80
DISTRICT PROJECT

VOLKERT

PRELIMINARY

NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR CONVEYANCE OR SALES

ENGINEER: ANTHONY GIATTI
LICENSE #: 35363
DATE: NOVEMBER 2016

SCOUR CROSS SECTIONS

AMITE RIVER DIVERSION CANAL WEIR

PONTCHARTRAIN LEVEE DISTRICT

November 9, 2016 11:05 AM

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