AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE	OF PAGES
	1	2

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
0002	9/27/01		

6. ISSUED BY	CODE	7. ADMINISTERED BY *(If other than Item 6)*	CODE
U.S. ARMY CORPS OF ENGINEERS GALVESTON DISTRICT OFFICE P.O. BOX 1229 GALVESTON, TEXAS 77553-1229	EC	U.S. ARMY CORPS OF ENGINEERS GALVESTON DISTRICT OFFICE P.O. BOX 1229 GALVESTON, TEXAS 77553-1229	CT

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*	(√)	9A. AMENDMENT OF SOLICITATION NO.
	X	DACW64-01-B-0033
		9B. DATED *(SEE ITEM 11)* 9/4/01
		10A. MODIFICATION OF CONTRACTS/ORDER NO.
		10B. DATED *(SEE ITEM 13)*
CODE / FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☒ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)*

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(√) A.	THIS CHANGE ORDER IS ISSUED PURSUANT TO: *(Specify authority)* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
B.	THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office, appropriation date, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
C.	THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
D.	OTHER *(Specify type of modification and authority)*

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

Sabine-Neches Waterway, Texas, Port Arthur Canal, Junction Area, and Turning Basins in Jefferson County, Texas, Dredging

(See Attached)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER *(Type or print)*	16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*
a	

15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY *(Signature of Contracting Officer)*	

1. The specifications and drawings for Invitation No. DACW64-01-B-0033, Dredging, Port Arthur Canal, Junction Area, and Turning Basins in Jefferson County, Texas, Sabine-Neches Waterway, Texas, advertised 4 September 2001, and for which bids are rescheduled to be opened on 10 October 2001, are hereby modified as follows:

(a) Specifications.

(1) BIDDING SCHEDULE, Pages 00010-1 and 00010-2. - The enclosed Pages 00010-1 and 00010-2 supersede those issued with this Invitation.

(2) Page 01100-1, Paragraph 1(b). - In the second line, change "90" to "120."

(3) SECTION 02329 - EMBANKMENT CONSTRUCTION. - The enclosed new SECTION 02329 entitled EMBANKMENT CONSTRCTION supersedes that issued with this Invitation.

(4) Page 02482-8, Subparagraph 3.5.2(1) (Issued by Amendment No. 0001). - In the second line, change "No. 6" to "No. 7."

(5) Page 02482-8, Subparagraph 3.5.2(2) (Issued by Amendment No. 0001). - In the second line, change "No. 5" to "No. 6."

(6) Page 02482-9, Subparagraph 3.5.2(3) (Issued by Amendment No. 0001). - In the second line, change "No. 4" to "No. 5."

(7) Page 02482-9, Subparagraph 3.5.2.1 (Issued by Amendment No. 0001). - In the Table, under "LEVEE VOLUMES," change "1,320,000" to "789,000."

(b) Drawings.

Sheets 14 of 22 Through 21 of 22. - The enclosed new Sheets 14 of 22 through 21 of 22 supersede those issued with this Invitation.

2. This amendment shall be attached to and become a part of the specifications.

2 Encls
1. Bid Sched, Pgs 00010-1 & 00010-2
2. SECTION 02329
3. SHEETS 14 - 21 OF 22

File 7268S **INVITATION NO. DACW64-01-B-0033**

SABINE-NECHES WATERWAY, TEXAS PORT ARTHUR CANAL, JUNCTION AREA, AND TURNING BASINS IN JEFFERSON COUNTY, TEXAS, DREDGING

BIDDING SCHEDULE
(TO BE ATTACHED TO STANDARD FORM 1442)

Item No.	Description	Estimated Quantity	Unit	Unit Price	Estimated Amount
	SCHEDULE NO. 1				
0001	Levees, Drop-outlet Structures, and Ditches	1	L.S.	$_____	$_____
0002	Borrow Excavation	304,000	C.Y.	$_____	$_____
0003	Mobilization and Demobilization	1	L.S.	$_____	$_____
0004	Dredging	3,515,000	C.Y.	$_____	$_____
0005	Pipelines	1	L.S.	$_____	$_____
	TOTAL SCHEDULE NO. 1				$_____

BIDDING SCHEDULE (Cont'd)
(TO BE ATTACHED TO STANDARD FORM 1442)

1. ARITHMETIC DISCREPANCIES (JAN 1997)(EFARS 52.214-5000).

(a) For the purpose of initial evaluation of bids, the following will be utilized in resolving arithmetic discrepancies found on the face of bidding schedule as submitted by the bidder:

(1) Obviously misplaced decimal points will be corrected;

(2) Discrepancy between unit price and extended price, the unit price will govern;

(3) Apparent errors in extension of unit prices will be corrected;

(4) Apparent errors in addition of lump-sum and extended prices will be corrected.

(b) For the purpose of bid evaluation, the Government will proceed on the assumption that the bidder intends his bid to be evaluated on the basis of the unit prices, the totals arrived at by resolution of arithmetic discrepancies as provided above and the bid will be so reflected on the abstract of bids.

(c) These correction procedures shall not be used to resolve any ambiguity concerning which bid is low.

2. MODIFICATIONS (CESWG). If a modification to a bid based on unit prices is submitted, that provides for a lump sum adjustment to the total estimated cost, the application of the lump sum adjustment of each unit price in the bid schedule must be stated. If it is not stated, the bidder agrees that the lump sum adjustment shall be applied on a pro rata basis to every unit price in the bid schedule.

SECTION TABLE OF CONTENTS

SITE WORK

SECTION 02329 - EMBANKMENT CONSTRUCTION

SECTION 02329 - EMBANKMENT CONSTRUCTION

PART 1 - GENERAL

1.1 SCOPE OF WORK. The work covered in this Section consists of furnishing plant, labor, and equipment and performing the operations in connection with construction of levees as shown.

1.2 REFERENCES. The publication listed below forms a part of this specification to the extent referenced. The publication is referred to in the text by basic designation only.

American Society for Testing and Materials (ASTM) Publication.

D 2487-00	Classification of Soils for Engineering Purposes (Unified Soil Classification System).

1.3 PROTECTION OF EXISTING SERVICE LINES AND UTILITY STRUCTURES. Existing utility lines that are shown or the locations of those made known to the Contractor prior to excavation and that are to be retained, as well as utility lines constructed during excavation operations, shall be protected from damage during excavation and backfilling and if damaged, shall be repaired by and at the expense of the Contractor. In the event that the Contractor damages existing utility lines that are not shown, or the locations of which are not known to the Contractor, report of this damage shall be made immediately to the Contracting Officer. If it is determined that repairs shall be made by the Contractor, these repairs will be ordered in accordance with the CONTRACT CLAUSE entitled CHANGES.

1.4 CHANGES IN LEVEE ALIGNMENT. The right is reserved to make changes in the levee alignment as may be found necessary before completion of the work, but if it becomes necessary, through no fault of the Contractor, to abandon a line or location on which work has been done, payment for materials placed shall be made as specified in the Paragraph: PAYMENT, below.

1.5 MEASUREMENT.

1.5.1 Stripping of existing levees, foundation areas, and placement of stripped material shall not be measured for payment.

1.5.2 Uncompacted Fill Levee Construction. Uncompacted fill levees construction shall not be measured for payment.

1.5.3 Semi-compacted Fill Levee Construction shall not be measured for payment.

1.6 PAYMENT.

1.6.1 Drainage and Foundation Preparation. No separate payment will be made for drainage or foundation preparation, the cost of which shall be included in the contract lump sum price "Levees, Drop-outlet Structures, and Ditches."

1.6.2 Stripping. Payment for stripping and the cost in connection therewith shall be included in the contract lump sum price for "Levees, Drop-outlet Structures, and Ditches."

1.6.3 Uncompacted Fill Levee Construction. Payment for uncompacted fill levee construction will be included in the contract lump sum price for "Levees, Drop-outlet Structures, and Ditches," which cost shall include materials, equipment, labor, and incidentals associated with this work.

1.6.4 Semi-compacted Fill Levee Construction. Payment for semi-compacted fill levee construction will be paid for at the contract until price per cubic yard for "Borrow Excavation, which cost shall include materials, equipment, labor, and incidentals associated with this work.

PART 2 - PRODUCTS

2.1 EQUIPMENT.

2.1.1 Crawler-type Tractors used for spreading and compacting shall weigh not less than 30,000 pounds, shall exert a unit tread pressure of not less than 7 pounds per square inch and shall not be operated at a speed to exceed 5 miles per hour.

2.1.2 Power-driven Tampers. Compaction of material in areas where it is impracticable to use a crawler-type tractor shall be performed by the use of approved power-driven tampers of the rammer type having a static weight of at least 70 pounds or by approved hydraulic actuated tractor-mounted tampers.

2.1.3 Miscellaneous Equipment. Scarifiers, disks, motorized graders, spreaders, and other equipment shall be of approved types, suitable for construction of levee embankment. Trucks, scrapers, and other types of earth-hauling equipment, if used, shall be of approved types suitable for construction.

2.2 MATERIALS.

2.2.1 Satisfactory Materials for construction of the levees shall consist of cohesive materials, including clay and sandy or silty clays classified in ASTM D 2487 as CH or CL.

2.2.2 Unsatisfactory Materials. Materials containing roots, brush, sod, other perishable materials, and debris will be considered unsatisfactory materials for fill

construction. Organic soils classified as OL, OH, and PT in accordance with ASTM D 2487, are also considered unsatisfactory for fill construction. Unsatisfactory materials shall be disposed in abandoned portions of the borrow areas.

PART 3 - EXECUTION

3.1 DRAINAGE. The foundation areas and partially completed fill shall be kept continuously drained. Prior to placement of fill, the areas shall be completely drained of any standing water and allowed to dry so that the surface will allow the operation of equipment thereon. Once drainage of the Placement Area and sufficient drying of the foundation surfaces have been accomplished, additional excavation, and levee construction can proceed.

3.2 FOUNDATION PREPARATION. No embankment foundation preparation, other than specified clearing and stripping, will be required for levee construction.

3.3 EMBANKMENT CONSTRUCTION.

3.3.1 General. Levees in Placement Area No. 8 shall be raised to the elevations as shown, using suitable material from side-ditch borrow excavation. Levees shall have minimum 1 Vertical to 3 Horizontal slopes. The Placement Areas shall be constructed to a minimum 10-foot crown width as shown. When borrowing material adjacent to the levees in the Placement Area, a minimum berm of 50 feet shall be provided between the toe of the levee and borrow area. Borrow areas and areas to receive fill shall be stripped of vegetation to ensure proper bonding of material. The borrow areas shall have minimum side slopes of 1 Vertical to 3 Horizontal. The levees shall be constructed utilizing borrow materials at their natural moisture content. However, if in the Contracting Officer's opinion, the material becomes excessively wetted or dried, the Contractor shall take the steps necessary to dry or wet the material before continuing with construction of the levees. Levee and Drop-outlet Structure work required at the Placement Area shall be completed and accepted prior to commencement of placement operations in the Area. Confined areas shall be maintained in operational condition until completion and acceptance of the work in this contract. Cost for maintaining the levees once construction has been completed and accepted shall be included in the contract price for items to which it pertains.

3.3.2 Uncompacted Fill. Satisfactory material obtained from excavation of the side-ditch borrow areas shall be used for levee construction at the locations shown. Material shall be excavated using draglines, dozers or other suitable equipment and carried, pushed, relayed or otherwise transported to the levee site and placed in layers not to exceed 2 feet in thickness. The layers so placed shall be spread, distributed, and otherwise manipulated during placement to the extent that voids in the fill will be eliminated. After placement of sufficient material, shaping of the levee surface may be accomplished using a crawler-type tractor or dragline bucket. When borrowing material adjacent to the levee, a minimum 25-foot length of undisturbed earth shall be left at intervals of approximately 400 feet. Side-ditch borrow area excavation shall be extended toward the interior of the Placement Area as required to obtain sufficient cast fill.

3.3.3 Semi-compacted Fill shall be placed to the lines, grades, and in the reaches shown. The material shall be placed and spread in layers not more than 8 inches in thickness prior to compaction. The embankment shall be secured having the maximum density obtainable with the natural moisture content of the embankment material. However, if in the opinion of the Contracting Officer, the material is too dry or too wet, the Contractor shall adjust the moisture content of the material to allow proper compaction. Material that is too wet shall be spread on the embankment and permitted to dry assisted by disk harrowing, if necessary, until the moisture content is reduced. When the material is too dry the Contractor will be required to uniformly distribute sufficient moisture in each layer before tracking until the moisture content is increased to an amount sufficient to obtain proper compaction. Harrowing or other approved methods will be required to work the moisture into the material until a uniform distribution of moisture is obtained. When the moisture content of the fill is satisfactory, each spread layer shall be compacted with a minimum of three (3) complete coverages of a crawler-type tractor conforming to the requirements specified in the Paragraph: EQUIPMENT above.

3.4 GRADE TOLERANCES AND SHRINKAGE ALLOWANCES FOR EMBANKMENTS. Except as otherwise specified herein, levees shall be constructed to the net grades and cross sections shown, without the addition of allowance for shrinkage of the fill. At all points an allowance of 5/10 of 1-foot above the prescribed grade will be permitted in the final dressing, provided that there are no abrupt humps or depressions in the sloped surfaces or bulges in the width of the crown.

3.5 EROSION AND SLIDES. In the event of erosion or sliding of any part of the levee during its construction or after its completion but prior to its acceptance, the Contractor shall, upon written order of the Contracting Officer, rebuild that portion of the levee. If the slide is caused through fault of the Contractor, the foregoing operations shall be performed without cost to the Government. If the slide or erosion is due to no fault of the Contractor the yardage replaced will be paid for as specified in the Paragraph: PAYMENT, above, in addition to payment due the Contractor for materials previously placed. Where settlement of the embankment due to weak foundation conditions develops to an extent that will make it inadvisable, in the opinion of the Contracting Officer, continuation of placement of additional materials, the Contracting Officer will have the discretion to omit further work on these portions of the embankment and to accept it as completed.

3.6 RETAINING LEVEES.

3.6.1 General. When the material is deposited in confined areas, embankments or bulkheads needed for confining or grading the material, with necessary waste weirs, shall be designed, constructed and maintained by the Contractor until completion and final acceptance of the work in this contract and the cost thereof shall be included in the contract price for "Levees, Drop-outlet, and Ditches". Levees shall be built to the minimum width and crown elevations as shown. There shall be a 100-foot transition in the levee crown elevation at the station where the elevation changes. The levees shall be constructed with side slopes no steeper than 1 Vertical to 3 Horizontal. Material for

construction of levees shall be obtained from within the Placement Area. When borrowing material adjacent to the levee, a minimum berm of 50 feet shall be provided between the toe of the levee and borrow area. Borrow areas and areas to receive fill shall be stripped of vegetation in order to ensure proper bonding of material. The borrow areas shall have minimum side slopes of 1 Vertical to 3 Horizontal. The levees shall be constructed utilizing borrow materials at their natural moisture content. However, if in the Contracting Officer's opinion, the material becomes excessively wetted or dried, the Contractor shall take the steps necessary to dry or wet the material before continuing with construction of the levees. Levee and drop-outlet work required for the Placement Area shall be completed and accepted prior to placement operations in the Area. Confined areas shall be maintained in operational condition until completion and acceptance of the work in this contract. Maintenance of the levees, once construction has been completed and accepted, shall be the responsibility of the Contractor.

3.7 CONTRACTOR QUALITY CONTROL.

3.7.1 Compliance Inspection. The Contractor shall inspect for compliance with the contract requirements and record the inspection of operations including, but not limited to, the following:

(1) Materials - Unsatisfactory materials are not used in embankment construction.

(2) Foundation Preparation - Drainage of water and drying; scarification and recompaction of required areas.

(3) Levee Construction - Layer thickness; lines and grades; proper compaction.

3.7.2 Records. A copy of the records of inspections and tests, as well as the records of corrective action taken, shall be submitted as directed.

- - o O o - -

CULVERT#5
T.B. ELLISON RD
CULVERT
CULVERT
CULVERT#4
CULVERT#3
CULVERT#2
CULVERT#1
T.B. ELLISON RD
1000' (MIN.)
BORROW AREA NO.1
DISCHARGE CORRIDOR
CULVERT#6
1000'(MIN.)
CULVERT#7
T.B. ELLISON RD
760.000
3,602,500
DREDGE PIPE DISCHARGE WILL BE KEPT A MINIMUM OF 1000' FROM EXISTING LEVEE
PLACEMENT AREA NO.8
SOUTH DIAGONAL TRAINING LEVEE
SOUTH TRAINING LEVEE TO BE HAULED FROM STATION 0+00 TO STATION 100+03.05
DISCHARGE CORRIDOR
1000'(MIN.)
CULVERT#8
CULVERT#9
C.S.19+24.73
C.S.17+55.53
C.S.12+34.79
C.S.9+00.62
C.S.6+35.49
C.S.4+00
C.S.0+00
C.S.4+92.67
C.S.13+29.46
C.S.23+23.39
C.S.43+17.29
C.S.57+16.00
C.S.70+59.66
C.S.80+54.50
C.S.90+97.44
C.S.100+03.05
170'
STA.0+00=STA.632+13.37 ℄ DROP OUTLET STRUCTURE
EXISTING DROP OUTLET STRUCTURE TO BE REPAIRED AS NECESSARY.
ANR GAS PIPELINE 1-16"GAS PIPELINE
AVOIDANCE AREA OLD DUMP SITE
BORROW AREA NO.2
NORTH DIAGONAL TRAINING LEVEE
C.S.19+75.66
C.S.15+89.14
C.S.9+48.88
C.S.0+00
PERIMETER LEVEE TO BE HAULED FROM STATION 434+56.65 TO STATION 535+58.72
FOR MAIN LEVEE CROSS SECTION STATIONING SEE SHT.15
PORT OF PORT ARTHUR
PORT OF PORT ARTHUR

RCP CULVERT CROSSINGS

DESCRIPTION		EASTING	NORTHING
CULVERT NO.1	30"	3,605,110.002	772,110.4812
CULVERT NO.2	24"	3,601,831.389	767,012.2469
CULVERT NO.3	24"	3,601,461.657	766,269.2094
CULVERT NO.4	36"	3,601,141.239	765,681.9929
CULVERT NO.5	36"	3,599,803.030	756,696.4842
CULVERT NO.6	36"	3,601,434.790	748,939.3181
CULVERT NO.7	36"	3,603,201.997	744,487.3007
CULVERT NO.8	36"	3,604,607.806	742,179.7930
CULVERT NO.9	36"	3,604,893.363	741,830.0594

LEGEND

- LOCATION OF PIPELINE CROSSINGS
- BOTTOM LIMITS OF CHANNEL TO BE DREDGED
- CHANNEL STATIONING & CENTERLINE
- LOCATION OF CROSS SECTIONS
- NEW LEVEES TO BE BUILT
- EXISTING LEVEES BUILT BY OTHERS
- LIMITS OF PLACEMENT AREAS
- EXISTING LEVEES TO BE REPAIRED
- EXISTING LEVEES
- WEIR SPILLWAY
- DROP INLET SPILLWAY
- LIMITS OF OPEN WATER PLACEMENT AREAS
- PLACEMENT AREAS TO BE USED
- DISCHARGE CORRIDOR
- PERIMETER DISCHARGE POINTS (OPEN WATER PLACEMENT AREAS)
- INTERIOR DISCHARGE POINTS (OPEN WATER PLACEMENT AREAS)
- TIDE STAFF
- LIGHT BEACONS
- CHANNEL MARKER BEACONS
- HORIZONTAL CONTROL POINTS
- RANGE TOWERS AND RANGES

NOTE:

OTHER AREAS OF THE PERIMETER AND/OR TRAINING LEVEES MAY REQUIRE HAULING. HOWEVER IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE WHICH METHOD OF CONSTRUCTION IS BEST SUITED TO ACHIEVE THE REQUIRED LEVEE HEIGHT.

NOTE: THIS DRAWING ACCOMPANIES AMENDMENT NO. 0002 TO INVITATION NO. DACW64-01-B-0033.

INVITATION NO. DACW64-01-B-0033

PLAN
0 1000 2000 3000
SCALE IN FEET

REVISION	DATE	DESCRIPTION	BY
1 AM.0002	9-25-01	RELOCATED DISCHARGE CORRIDOR & REMOVED NOTE	C.T.

OFFICE OF THE DISTRICT ENGINEER
U.S. ARMY ENGINEER DISTRICT, GALVESTON
CORPS OF ENGINEERS
GALVESTON, TEXAS

DRAWN BY:* V.J.P.
TRACED BY:*
CHECKED BY:* R.W. / R.F.
SUBMITTED BY:* H. SUTCLIFFE, P.E. AREA ENGINEER
APPROVAL RECOMMENDED:* D. B. CAMPBELL, P.E. CHIEF, ENGINEERING BRANCH
APPROVED:* HARRY G. KOHLER, P.E. CHIEF, ENGINEERING AND CONSTRUCTION DIVISION
DATE: AUGUST 2001
* AS REQUIRED BY ENGINEER REGULATION NO. 110-1-8152

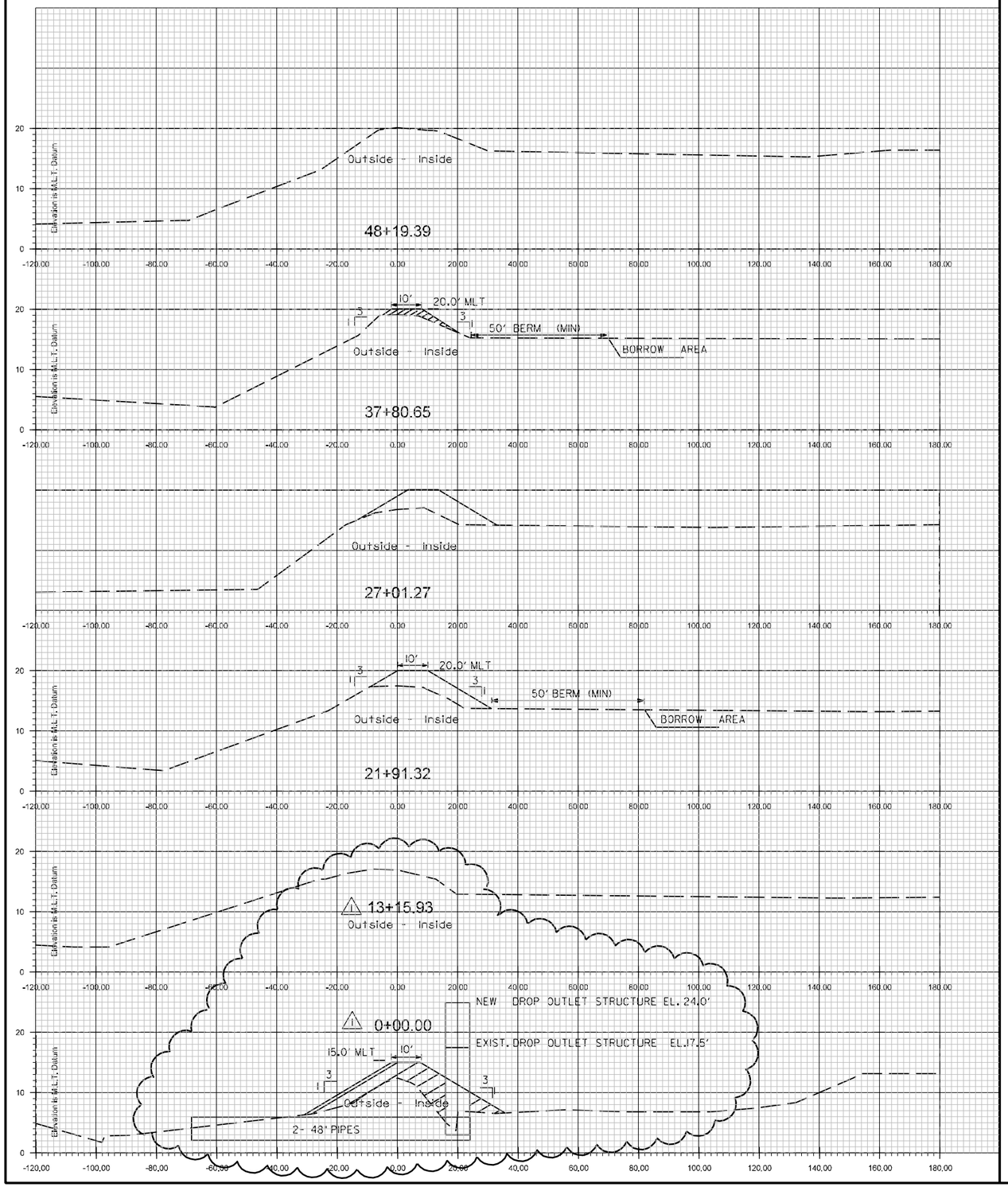
SABINE-NECHES WATERWAY, TEXAS
DREDGING
PORT ARTHUR CANAL
JUNCTION AREA AND TURNING BASINS

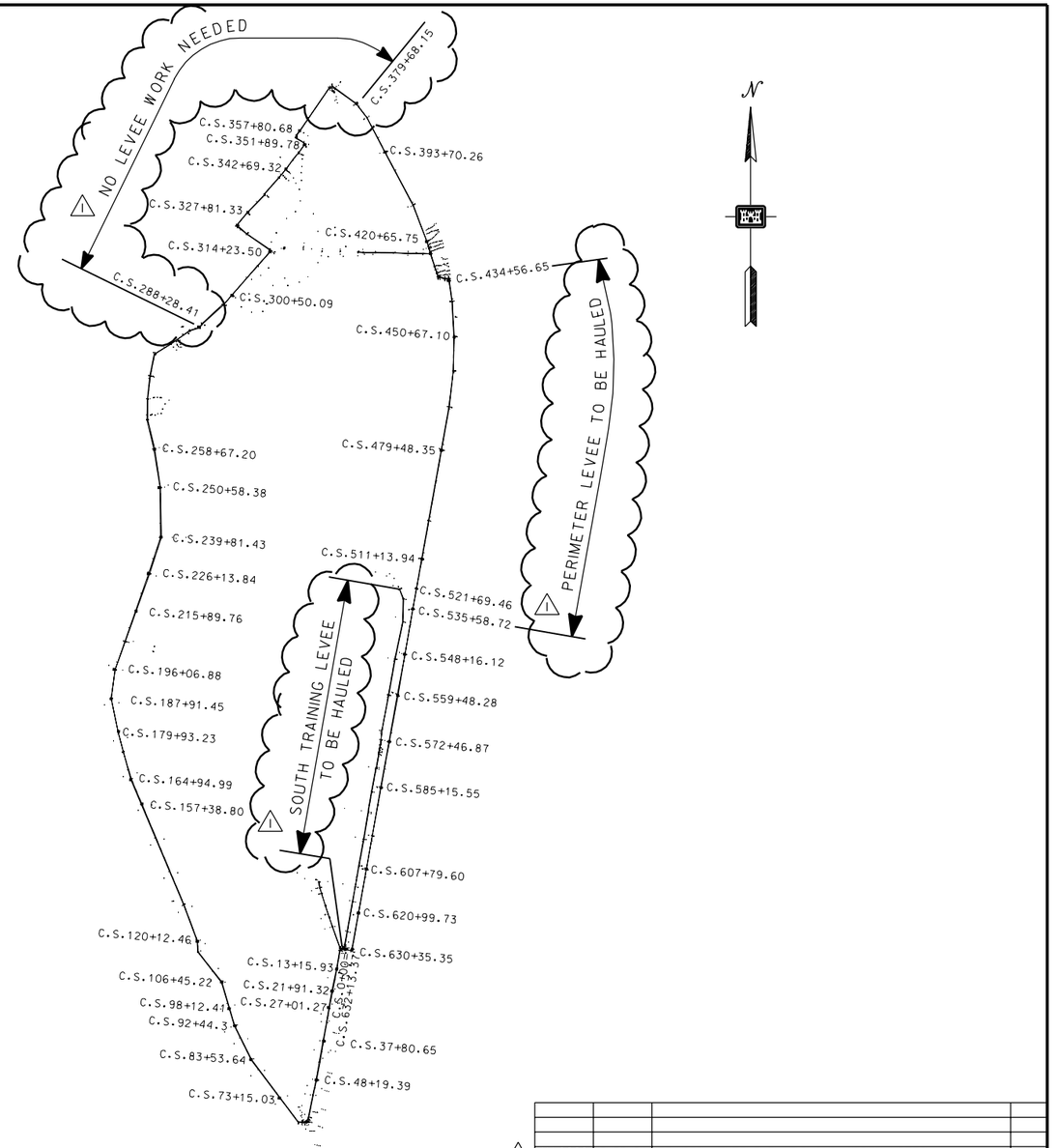
PLAN
PLACEMENT AREA NO. 8

SCALE: AS SHOWN

Prepared under the direction of Leonard D. Waterworth, Col., C.E., District Engineer

DRAWING NUMBER
SHEET 14 OF 22 FILE NO. SN 103-348





NOT TO SCALE

NOTE: THIS DRAWING ACCOMPANIES AMENDMENT NO. 0002 TO INVITATION NO. DACW64-01-B-0033.

INVITATION NO. DACW64-01-B-0033

REVISION	DATE	DESCRIPTION	BY
1 AM.0002	9-25-01	REVISED LEVEE ELEVATIONS & ADDED NOTES	G.T.

OFFICE OF THE DISTRICT ENGINEER
U.S. ARMY ENGINEER DISTRICT, GALVESTON
CORPS OF ENGINEERS
GALVESTON, TEXAS

DRAWN BY:* V.J.P.
TRACED BY:*
CHECKED BY:* R.W. / R.F.
SUBMITTED BY:* H. SUTCLIFFE, P.E. AREA ENGINEER
APPROVAL RECOMMENDED:* D. B. CAMPBELL, P.E. CHIEF, ENGINEERING BRANCH
APPROVED:* HARRY G. KOHLER, P.E. CHIEF, ENGINEERING AND CONSTRUCTION DIVISION
DATE: AUGUST 2001

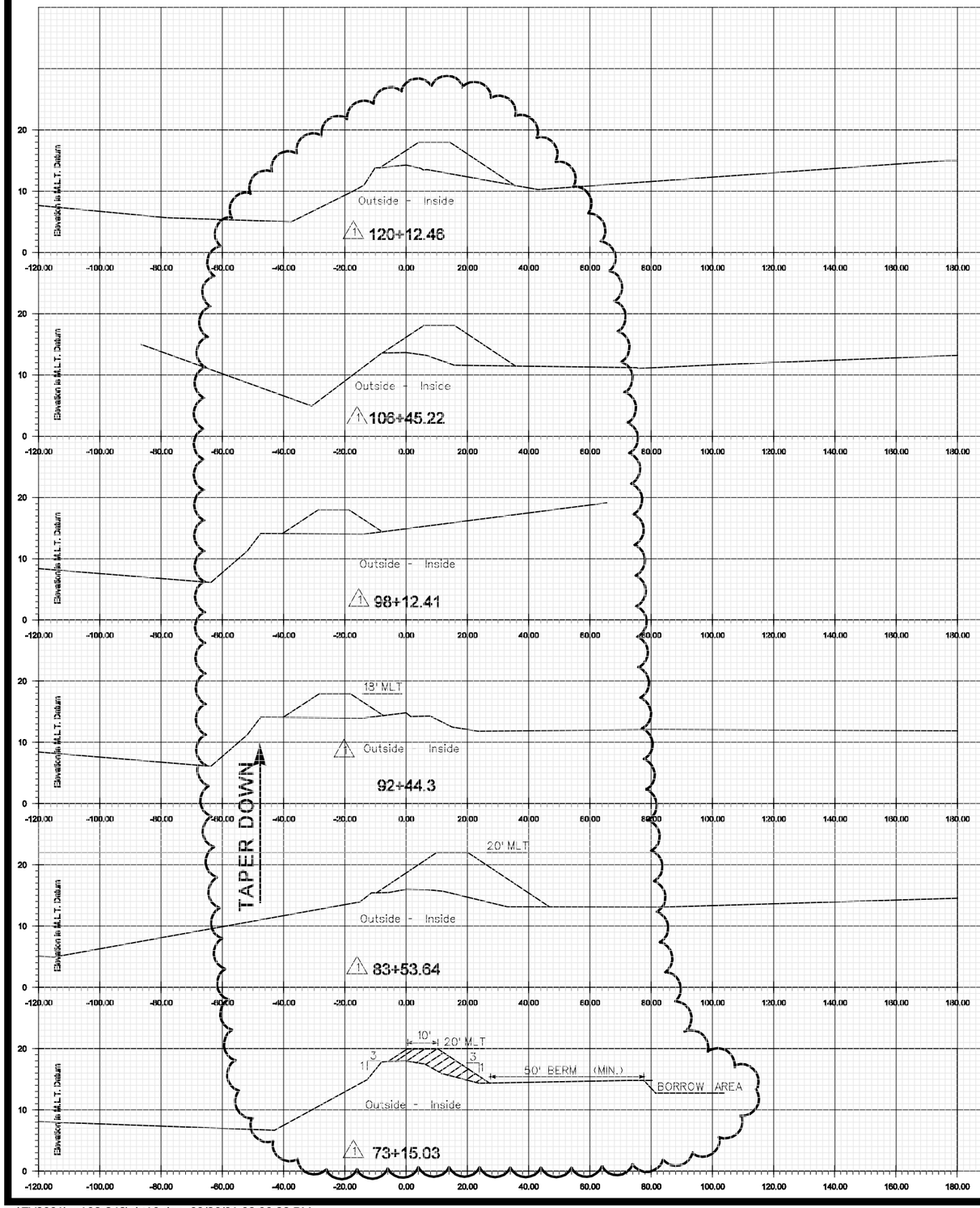
SABINE-NECHES WATERWAY, TEXAS
DREDGING
PORT ARTHUR CANAL
JUNCTION AREA AND TURNING BASINS

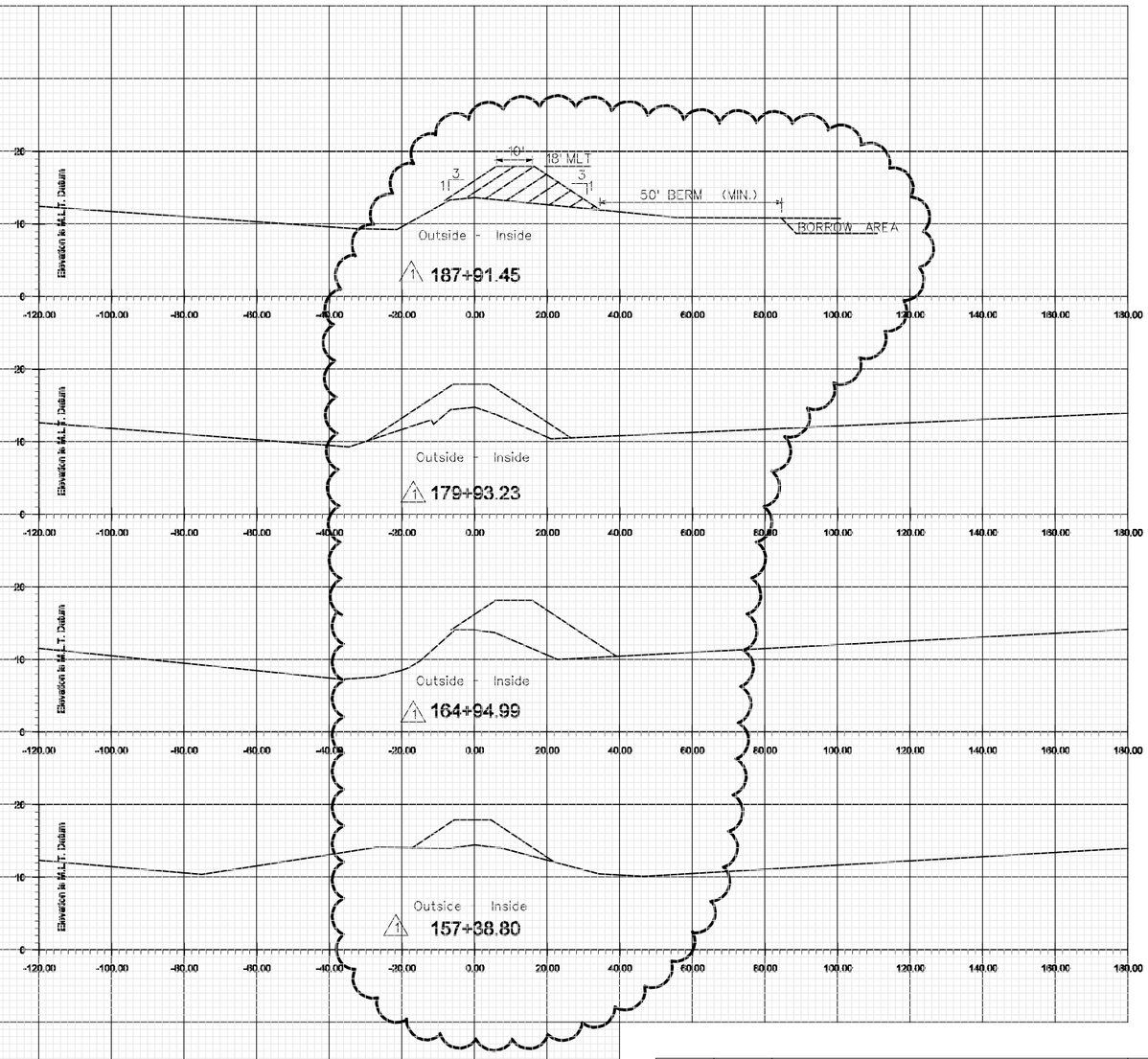
PLAN
PLACEMENT AREA NO.8
STA.0+00 TO STA.48+19.39

* AS REQUIRED BY ENGINEER REGULATION NO. 110-1-8521
SCALE: AS SHOWN
DRAWING NUMBER

Prepared under the direction of Leonard D. Waterworth, Col., C.E., District Engineer

SHEET 15 OF 22 FILE NO. SN 103-348





NOTE: THIS DRAWING ACCOMPANIES AMENDMENT NO. 0002 TO INVITATION NO. DACW64-01-B-0033.

INVITATION NO. DACW64-01-B-0033

REVISION	DATE	DESCRIPTION	BY
1 AM.0002	9-25-01	REVISED LEVEE ELEVATIONS	G.T.

OFFICE OF THE DISTRICT ENGINEER
U.S. ARMY ENGINEER DISTRICT, GALVESTON
CORPS OF ENGINEERS
GALVESTON, TEXAS

DRAWN BY: x V.J.P.
TRACED BY: x
CHECKED BY: x R.W. / R.F.
SUBMITTED BY: x H. SUTCLIFFE, P.E. AREA ENGINEER
APPROVAL RECOMMENDED: x D. B. CAMPBELL, P.E. CHIEF, ENGINEERING BRANCH
APPROVED: x HARRY G. KOHLER, P.E. CHIEF, ENGINEERING AND CONSTRUCTION DIVISION
(x AS REQUIRED BY ENGINEER REGULATION NO. 1110-1-8152)

SABINE-NECHES WATERWAY, TEXAS
DREDGING
PORT ARTHUR CANAL
JUNCTION AREA AND TURNING BASINS

CROSS SECTIONS

PLACEMENT AREA NO.8
STA.73+15.03 TO STA.187+91.45

DATE: AUGUST 2001
SCALE: AS SHOWN

Prepared under the direction of Leonard D. Waterworth, Col., C.E., District Engineer

DRAWING NUMBER
SHEET 16 OF 22 FILE NO. SN 103-348

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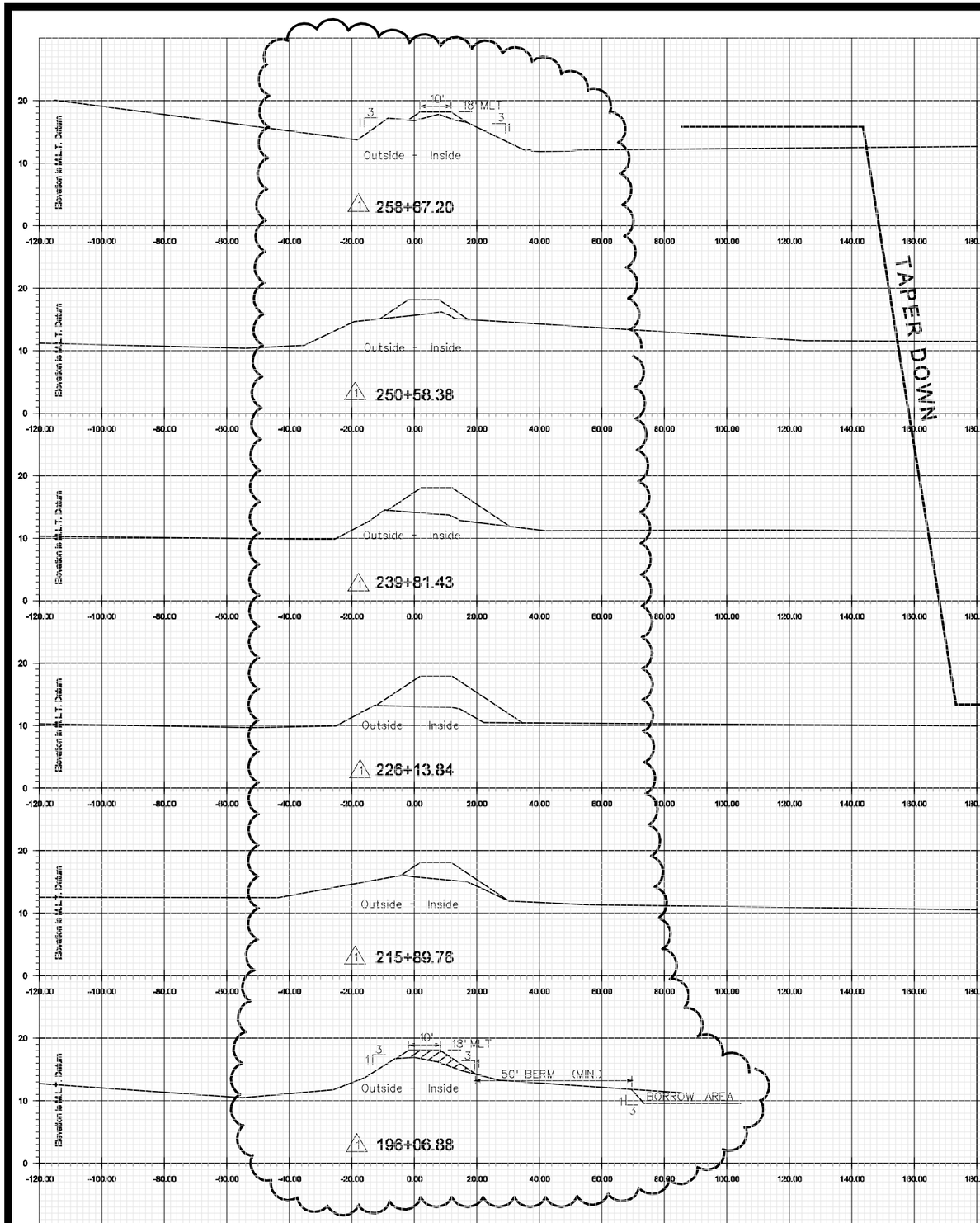
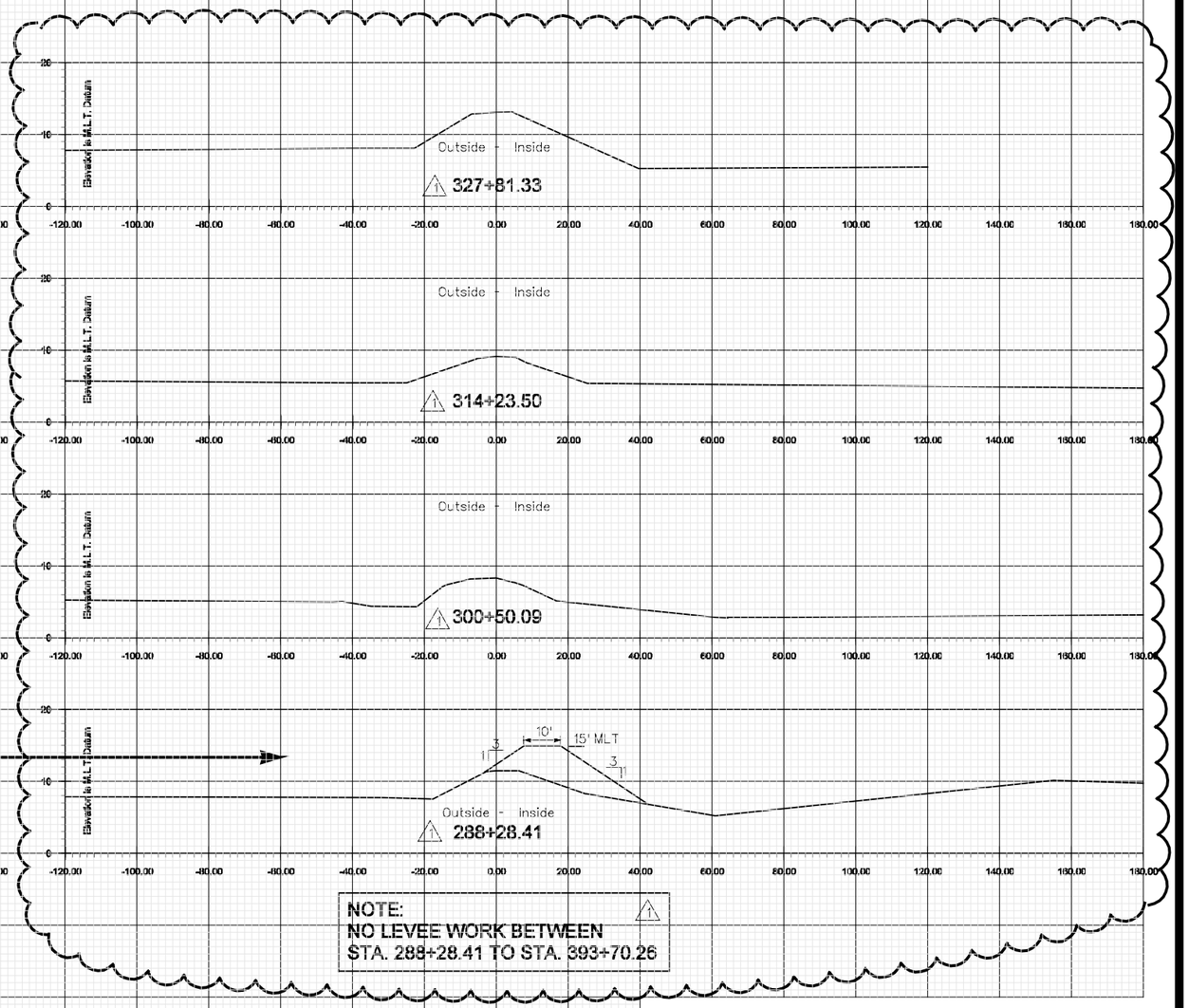


TAPER DOWN



NOTE:
NO LEVEE WORK BETWEEN
STA. 288+28.41 TO STA. 393+70.26

NOTE: THIS DRAWING ACCOMPANIES AMENDMENT NO. 0002 TO INVITATION NO. DACW64-01-B-0033.

INVITATION NO.
DACW64-
01-B-0033

REVISION	DATE	DESCRIPTION	BY
1 AM.0002	9-25-01	REVISED LEVEE ELEVATIONS	G.T.

OFFICE OF THE DISTRICT ENGINEER
U.S. ARMY ENGINEER DISTRICT, GALVESTON
CORPS OF ENGINEERS
GALVESTON, TEXAS

DRAWN BY: x V.J.P.
TRACED BY: x
CHECKED BY: x R.W. / R.F.
SUBMITTED BY: x H. SUTCLIFFE, P.E. AREA ENGINEER
APPROVAL RECOMMENDED: x D. B. CAMPBELL, P.E. CHIEF, ENGINEERING BRANCH
APPROVED: x HARRY G. KOHLER, P.E. CHIEF, ENGINEERING AND CONSTRUCTION DIVISION
DATE: AUGUST 2001
(x AS REQUIRED BY ENGINEER REGULATION NO. 1110-1-8152)
SCALE: AS SHOWN

SABINE-NECHES WATERWAY, TEXAS
DREDGING
PORT ARTHUR CANAL
JUNCTION AREA AND TURNING BASINS

CROSS SECTIONS

PLACEMENT AREA NO.8
STA.196+06.88 TO STA.327+81.33

Prepared under the direction of
Leonard D. Waterworth, Col., C.E.,
District Engineer

DRAWING NUMBER
SHEET 17 OF 22 FILE NO. SN 103-348

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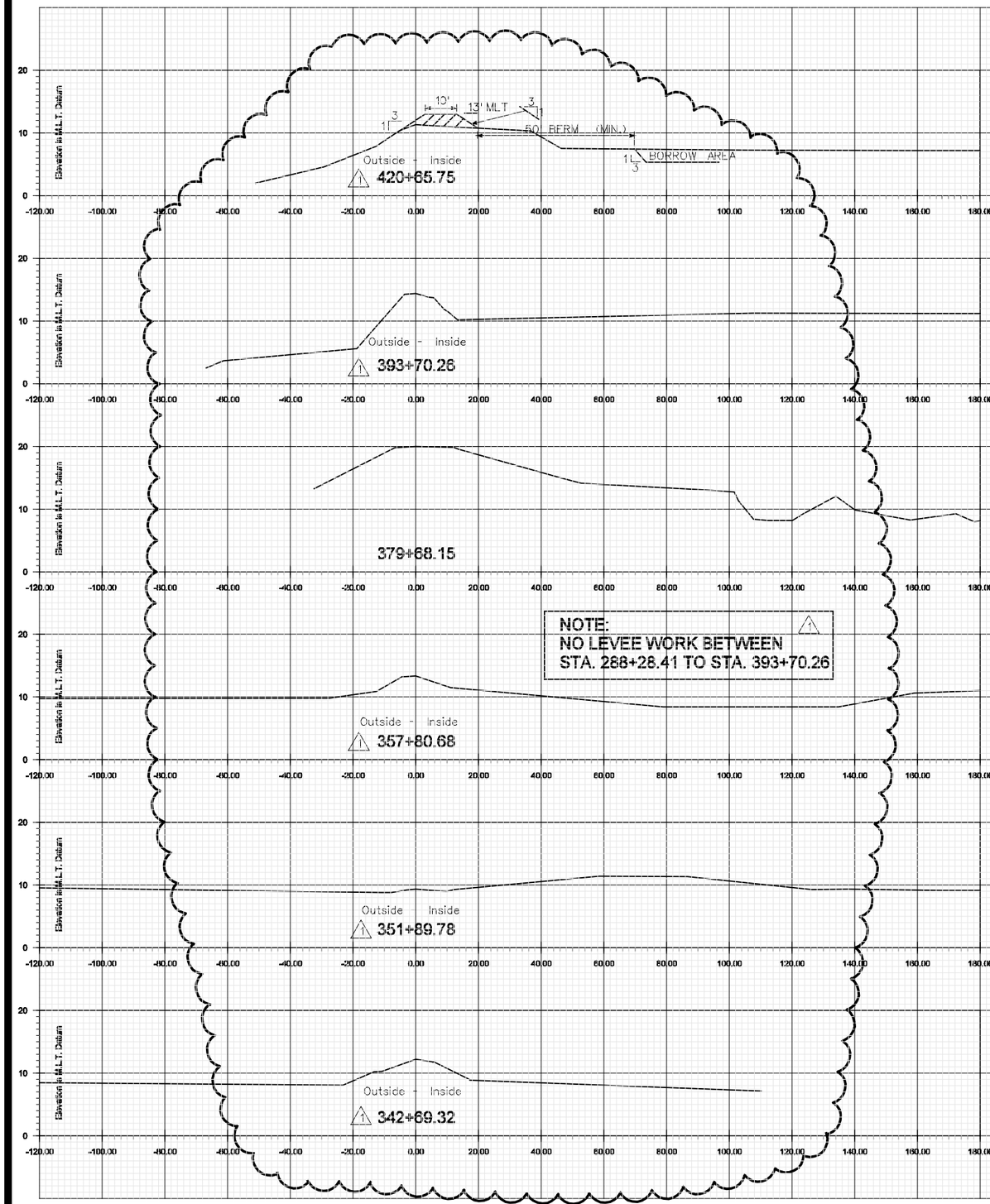

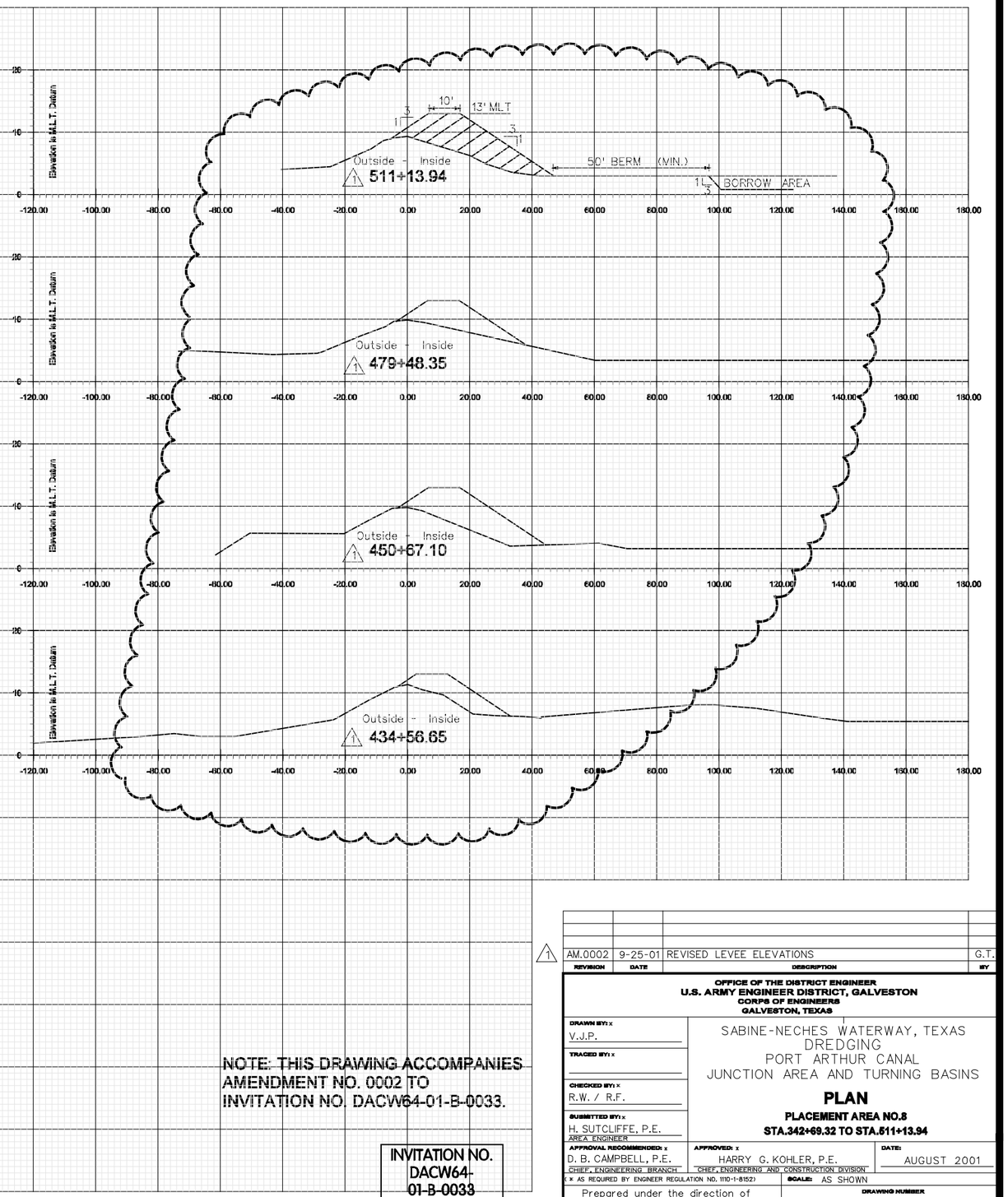

NOTE: THIS DRAWING ACCOMPANIES AMENDMENT NO. 0002 TO INVITATION NO. DACW64-01-B-0033.

INVITATION NO. DACW64-01-B-0033

REVISION	DATE	DESCRIPTION	BY
1 AM.0002	9-25-01	REVISED LEVEE ELEVATIONS	G.T.

OFFICE OF THE DISTRICT ENGINEER
U.S. ARMY ENGINEER DISTRICT, GALVESTON
CORPS OF ENGINEERS
GALVESTON, TEXAS

DRAWN BY: x V.J.P.
TRACED BY: x
CHECKED BY: x R.W. / R.F.
SUBMITTED BY: x H. SUTCLIFFE, P.E. AREA ENGINEER
APPROVAL RECOMMENDED: x D. B. CAMPBELL, P.E. CHIEF, ENGINEERING BRANCH
APPROVED: x HARRY G. KOHLER, P.E. CHIEF, ENGINEERING AND CONSTRUCTION DIVISION
DATE: AUGUST 2001
(x AS REQUIRED BY ENGINEER REGULATION NO. 1110-1-8152)
SCALE: AS SHOWN

SABINE-NECHES WATERWAY, TEXAS
DREDGING
PORT ARTHUR CANAL
JUNCTION AREA AND TURNING BASINS

PLAN

PLACEMENT AREA NO.8
STA.342+69.32 TO STA.511+13.94

Prepared under the direction of Leonard D. Waterworth, Col., C.E., District Engineer

DRAWING NUMBER
SHEET 18 OF 22 FILE NO. SN 103-348

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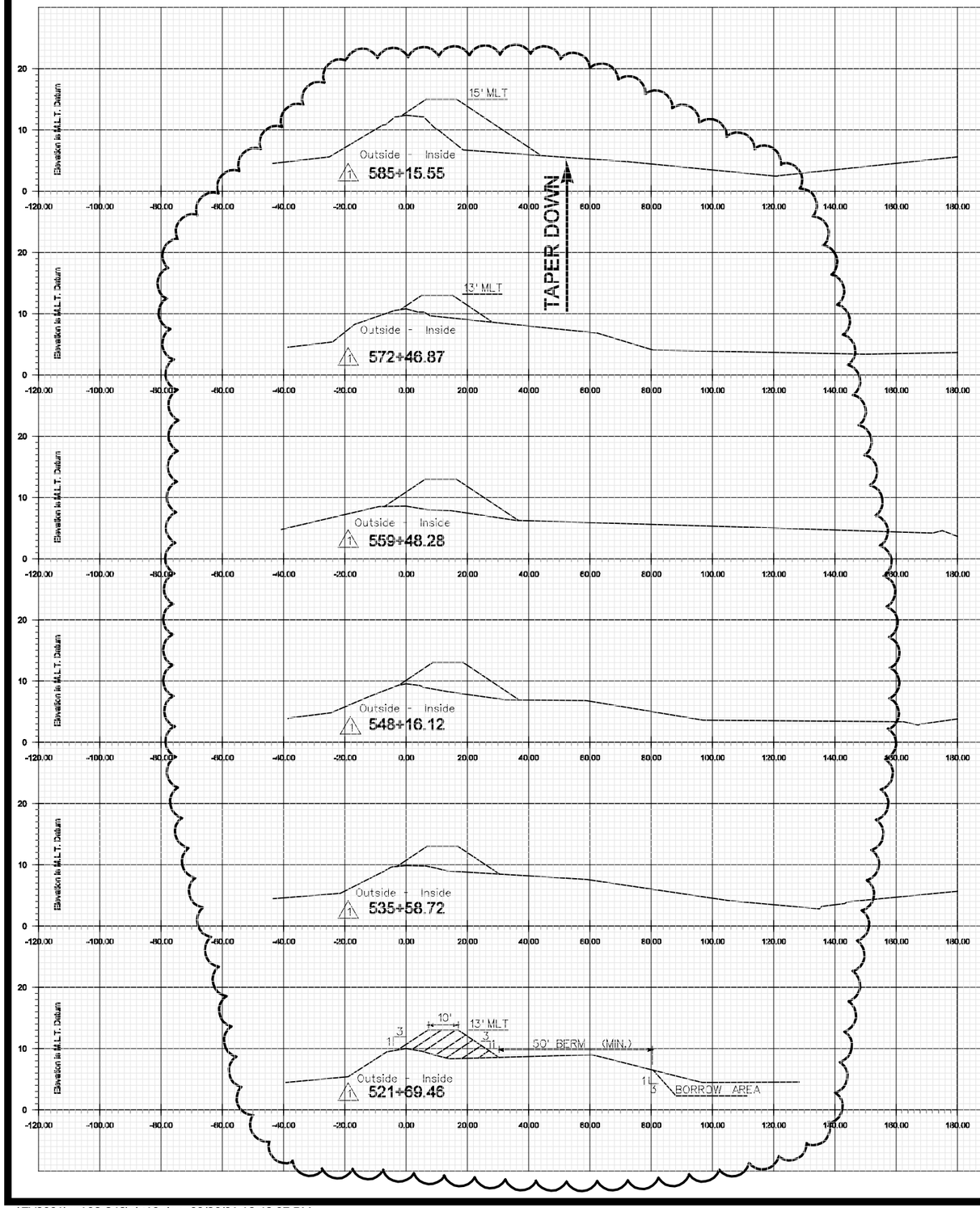

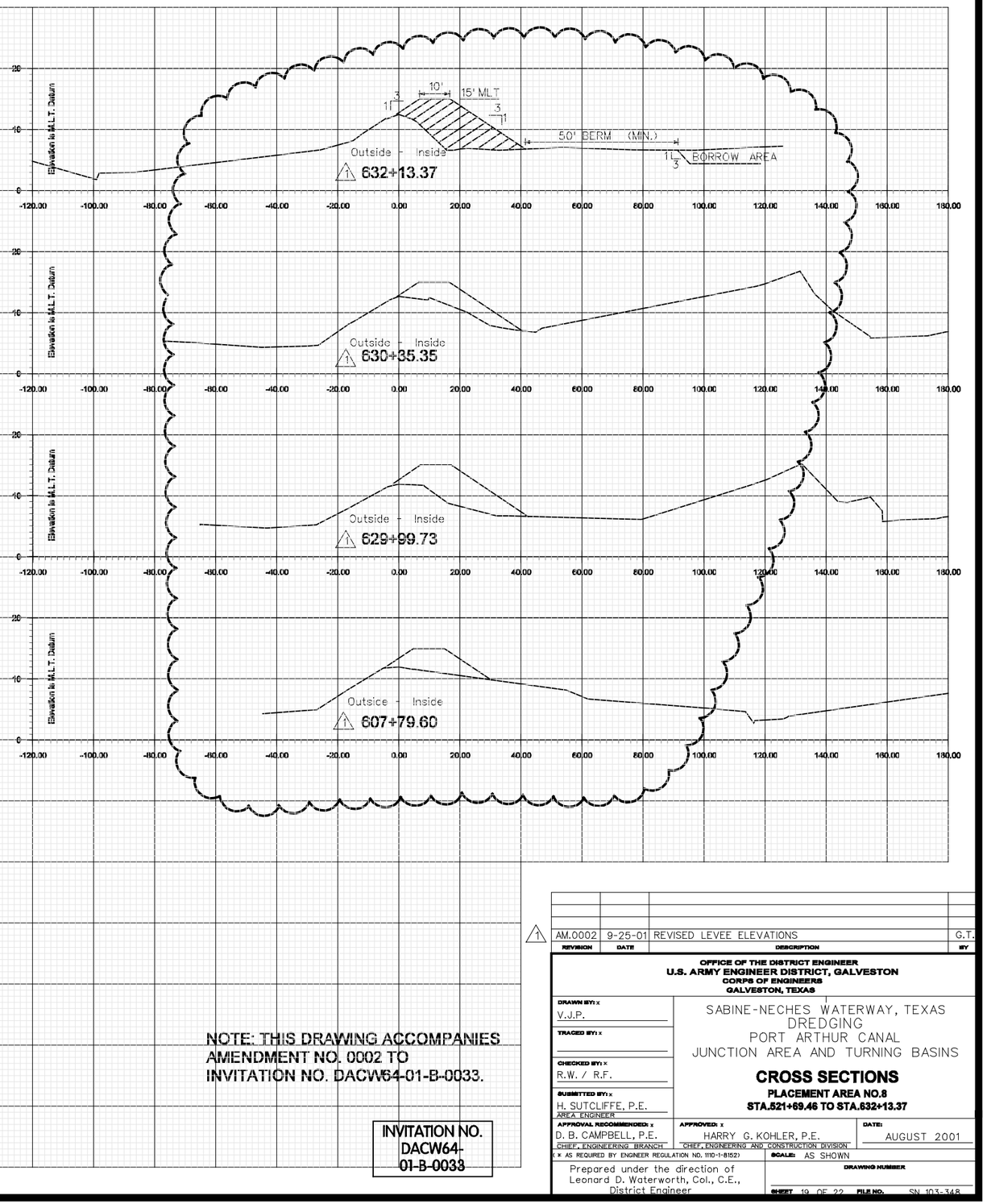

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INVITATION NO. DACW64-01-B-0033

REVISION	DATE	DESCRIPTION	BY
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OFFICE OF THE DISTRICT ENGINEER
U.S. ARMY ENGINEER DISTRICT, GALVESTON
CORPS OF ENGINEERS
GALVESTON, TEXAS

DRAWN BY: x V.J.P.
TRACED BY: x
CHECKED BY: x R.W. / R.F.
SUBMITTED BY: x H. SUTCLIFFE, P.E. AREA ENGINEER
APPROVAL RECOMMENDED: x D. B. CAMPBELL, P.E. CHIEF, ENGINEERING BRANCH
APPROVED: x HARRY G. KOHLER, P.E. CHIEF, ENGINEERING AND CONSTRUCTION DIVISION
DATE: AUGUST 2001
(x AS REQUIRED BY ENGINEER REGULATION NO. 1110-1-8152)
SCALE: AS SHOWN

SABINE-NECHES WATERWAY, TEXAS
DREDGING
PORT ARTHUR CANAL
JUNCTION AREA AND TURNING BASINS

CROSS SECTIONS

PLACEMENT AREA NO.8
STA.521+69.46 TO STA.632+13.37

Prepared under the direction of Leonard D. Waterworth, Col., C.E., District Engineer

DRAWING NUMBER
SHEET 19 OF 22 FILE NO. SN 103-348

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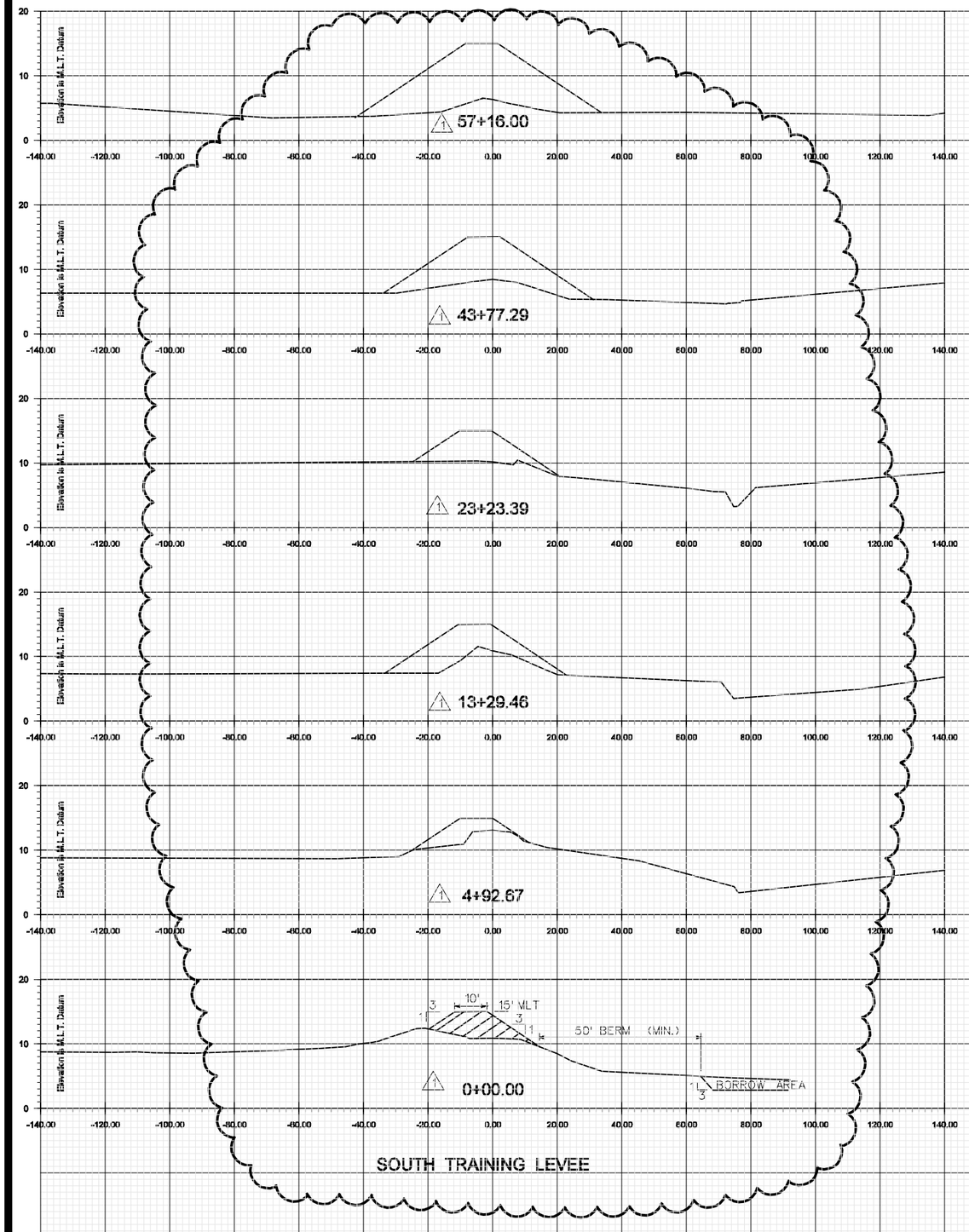

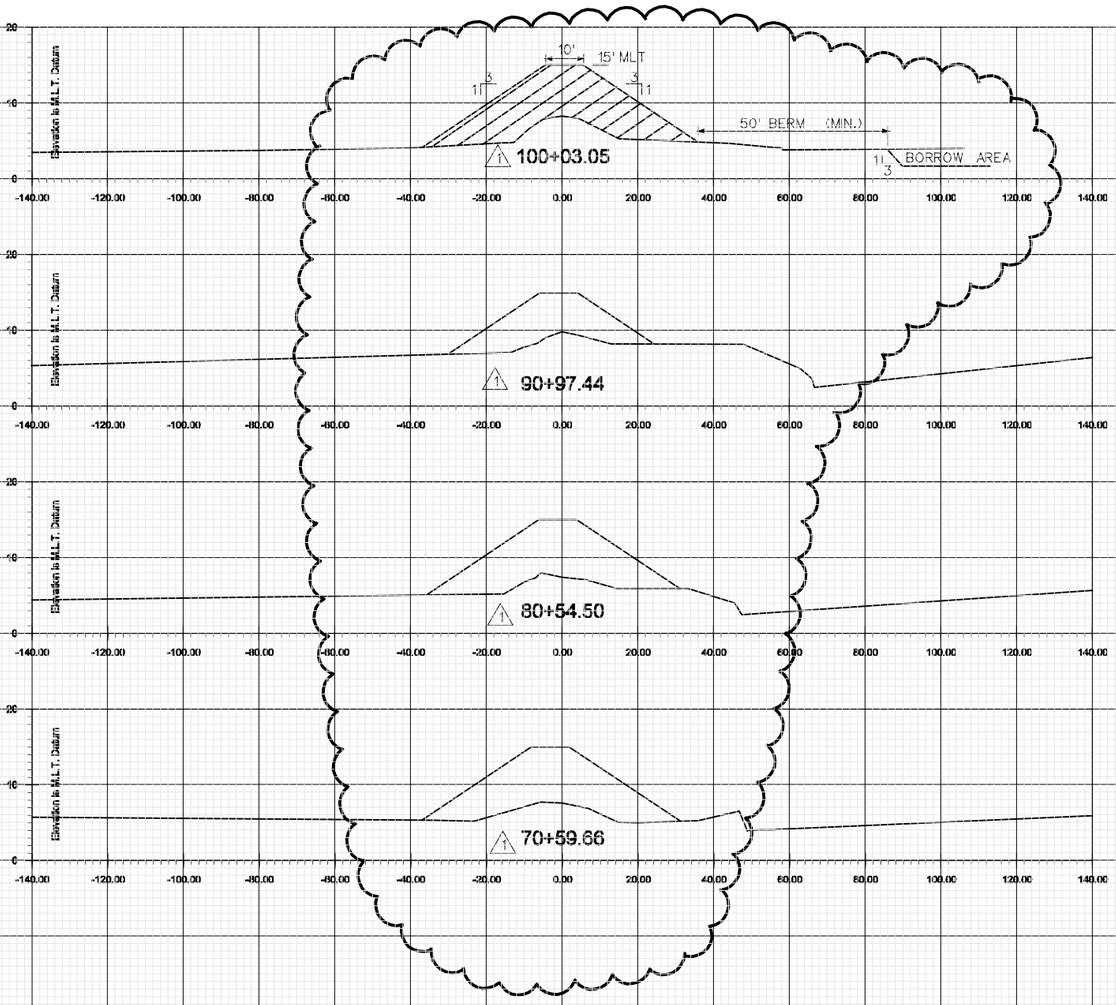

NOTE: THIS DRAWING ACCOMPANIES AMENDMENT NO. 0002 TO INVITATION NO. DACW64-01-B-0033.

INVITATION NO. DACW64-01-B-0033

REVISION	DATE	DESCRIPTION	BY
1 AM.0002	9-25-01	REVISED LEVEE ELEVATIONS	G.T.

OFFICE OF THE DISTRICT ENGINEER
U.S. ARMY ENGINEER DISTRICT, GALVESTON
CORPS OF ENGINEERS
GALVESTON, TEXAS

DRAWN BY: x V.J.P.
TRACED BY: x
CHECKED BY: x R.W. / R.F.
SUBMITTED BY: x H. SUTCLIFFE, P.E. AREA ENGINEER
APPROVAL RECOMMENDED: x D. B. CAMPBELL, P.E. CHIEF, ENGINEERING BRANCH
APPROVED: x HARRY G. KOHLER, P.E. CHIEF, ENGINEERING AND CONSTRUCTION DIVISION
DATE: AUGUST 2001

SABINE-NECHES WATERWAY, TEXAS
DREDGING
PORT ARTHUR CANAL
JUNCTION AREA AND TURNING BASINS

CROSS SECTIONS

PLACEMENT AREA NO.8
SOUTH TRAINING LEVEE
STA.0+00 TO STA.100+03.05

(x AS REQUIRED BY ENGINEER REGULATION NO. 1110-1-8152)
SCALE: AS SHOWN
DRAWING NUMBER
SHEET 20 OF 22 FILE NO. SN 103-348

Prepared under the direction of Leonard D. Waterworth, Col., C.E., District Engineer

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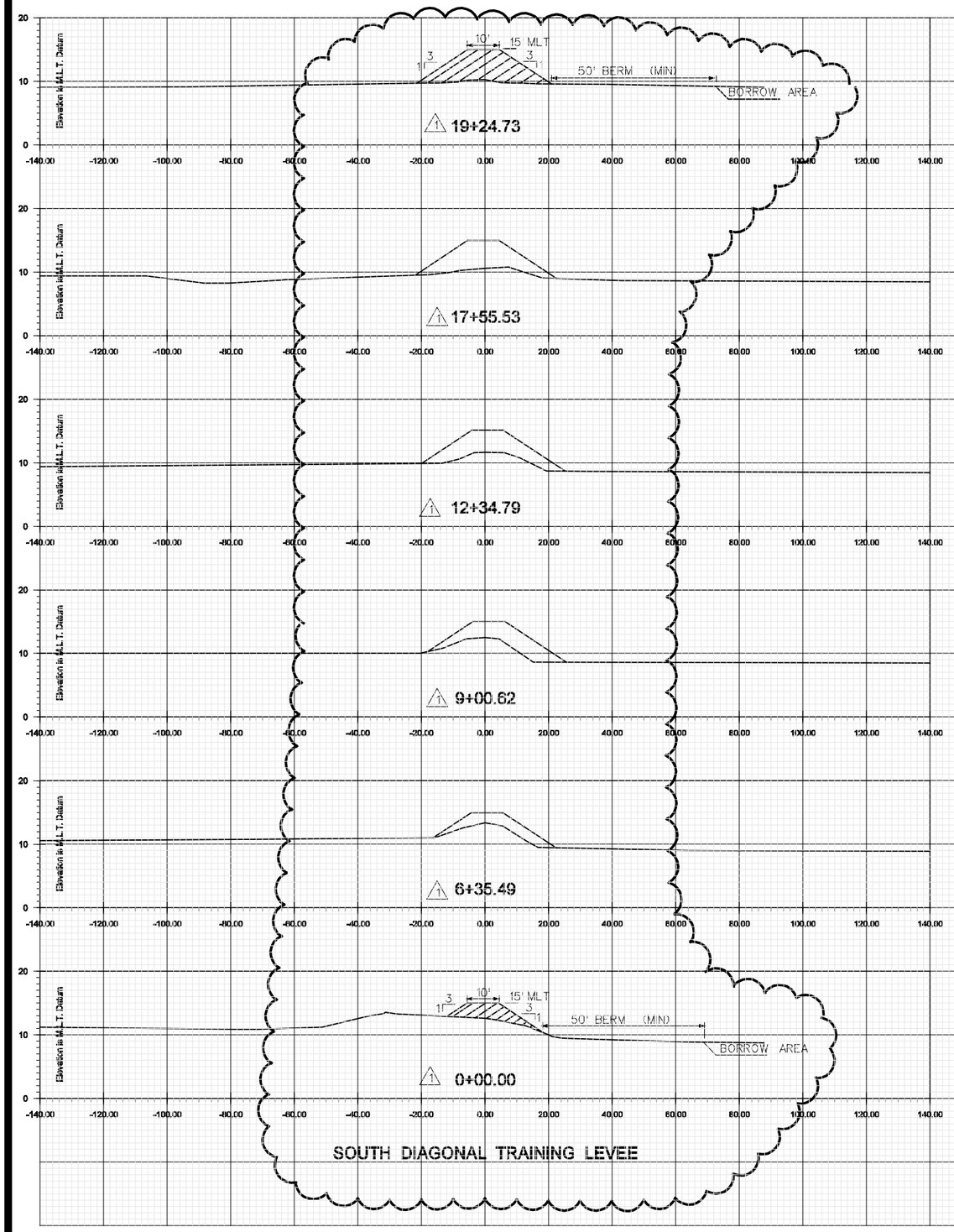

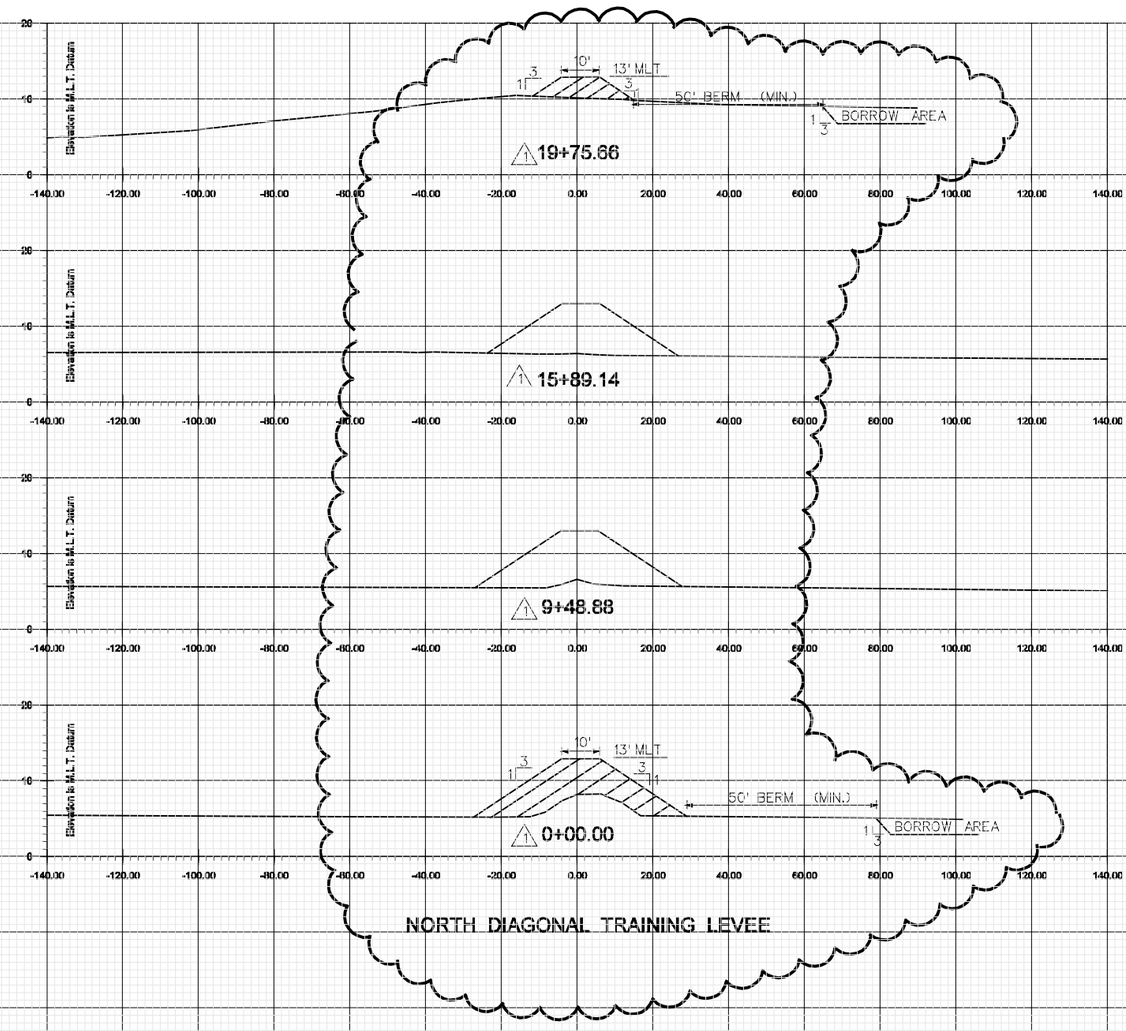

NOTE: THIS DRAWING ACCOMPANIES AMENDMENT NO. 0002 TO INVITATION NO. DACW64-01-B-0033.

INVITATION NO. DACW64-01-B-0033

1	AM.0002	9-25-01	REVISED LEVEE ELEVATIONS	G.T.
	REVISION	DATE	DESCRIPTION	BY

OFFICE OF THE DISTRICT ENGINEER
U.S. ARMY ENGINEER DISTRICT, GALVESTON
CORPS OF ENGINEERS
GALVESTON, TEXAS

DRAWN BY: x V.J.P.
TRACED BY: x
CHECKED BY: x R.W. / R.F.
SUBMITTED BY: x H. SUTCLIFFE, P.E. AREA ENGINEER
APPROVAL RECOMMENDED: x D. B. CAMPBELL, P.E. CHIEF, ENGINEERING BRANCH
APPROVED: x HARRY G. KOHLER, P.E. "CHIEF, ENGINEERING AND CONSTRUCTION DIVISION"
DATE: AUGUST 2001

SABINE-NECHES WATERWAY, TEXAS
DREDGING
PORT ARTHUR CANAL
JUNCTION AREA AND TURNING BASINS

CROSS SECTIONS

PLACEMENT AREA NO.8 TRAINING LEVEES
STA.0+00 TO STA.19+24.73
STA.0+00 TO STA.19+75.66

(x AS REQUIRED BY ENGINEER REGULATION NO. 1110-1-8152)
SCALE: AS SHOWN
DRAWING NUMBER
Prepared under the direction of Leonard D. Waterworth, Col., C.E., District Engineer
SHEET 21 OF 22 FILE NO. SN 103-348

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