

**US Army Corps
of Engineers®**

GALVESTON DISTRICT



Coastal Navigation and Environmental Restoration



GULF INTRACOASTAL WATERWAY, TEXAS ROLLOVER TO CAUSEWAY AND CHOCOLATE BAYOU PIPELINE DREDGING IN BRAZORIA AND GALVESTON COUNTIES



SOLICITATION NO.: W912HY23B0006

CONTRACT NO.: W912HY23C_____

ISSUE DATE: JANUARY 2023

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SWG FILE NO.
IWW 1101-0300



This project was designed by the Galveston District of the U.S. Army Corps of Engineers. The initials or signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by ER 1110-1-8152.

WILLIE JOE HONZA, P.E.
CHIEF, ENGINEERING BRANCH

GULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES

U.S. ARMY CORPS OF ENGINEERS
GALVESTON DISTRICT
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GALVESTON, TEXAS 77550
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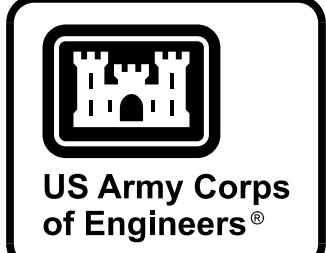
DESIGNED BY: J.DODDEK ISSUE DATE: JANUARY 2023
DRAWN BY: R.FARIS/T.WALLS SOLICITATION NO: W912HY23B0006
CHECKED BY: J.MILLER CONTRACT NO: W912HY23C
SUBMITTED BY: RAYLENE HYLAND, P.E. SWG FILE NO: IWW 1101-0300
SIZE: ANSI D

COVER SHEET

SHEET ID
G-001

GENERAL NOTES

1. ELEVATIONS ARE REFERENCED TO MEAN LOWER LOW WATER DATUM (MLLW) UNLESS SPECIFIED OTHERWISE.
2. HORIZONTAL DATUM AND DISTANCES ARE REFERENCED TO TEXAS STATE PLANE, NAD83, TEXAS SOUTH-CENTRAL ZONE, U.S. SURVEY FEET.
3. ADDITIONAL CONTROL POINTS AND ALIGNMENT DATA (IF AVAILABLE) WILL BE FURNISHED TO THE CONTRACTOR UPON REQUEST IN WRITING.
4. ALL CHANNEL END SLOPES SHALL BE EQUAL TO ADJACENT CHANNEL SIDE SLOPES.
5. AERIAL IMAGERY SOURCED FROM THE NATIONAL AGRICULTURE IMAGERY PROGRAM (NAIP), DATED 2018, UNLESS OTHERWISE NOTED. OBSTRUCTIONS VISIBLE IN THE IMAGES MAY NOT BE IN THAT LOCATION AS OF THE TIME OF THE WORK, AS THOSE OBSTRUCTIONS MAY HAVE BEEN MOVED. SITE VISIT SHOULD BE MADE TO VERIFY ANY CURRENT OBSTRUCTIONS IN THE WORK AREA, AS DESCRIBED IN THE SPECIFICATIONS.
6. PHYSICAL TIDE STAFFS MAY BE MISSING DUE TO VARIOUS REASONS BEYOND THE CONTROL OF THE GOVERNMENT. NOTIFY PROJECT ENGINEER AS SOON AS POSSIBLE FOR REPLACEMENT. REPLACEMENT STAFFS MAY NEED TO BE RELOCATED IF PREVIOUS LOCATION CANNOT BE USED.
7. ALL CROSS SECTIONS ARE VIEWED LOOKING TOWARD INCREASING STATIONS.
8. THE HORIZONTAL DISTANCES SHOWN ON THE CROSS SECTIONS ARE REFERENCED FROM THE CHANNEL ALIGNMENT BASELINE.
9. ALL CROSS SECTIONS SURVEY DATA WERE COLLECTED ON 200KHZ FREQUENCY.

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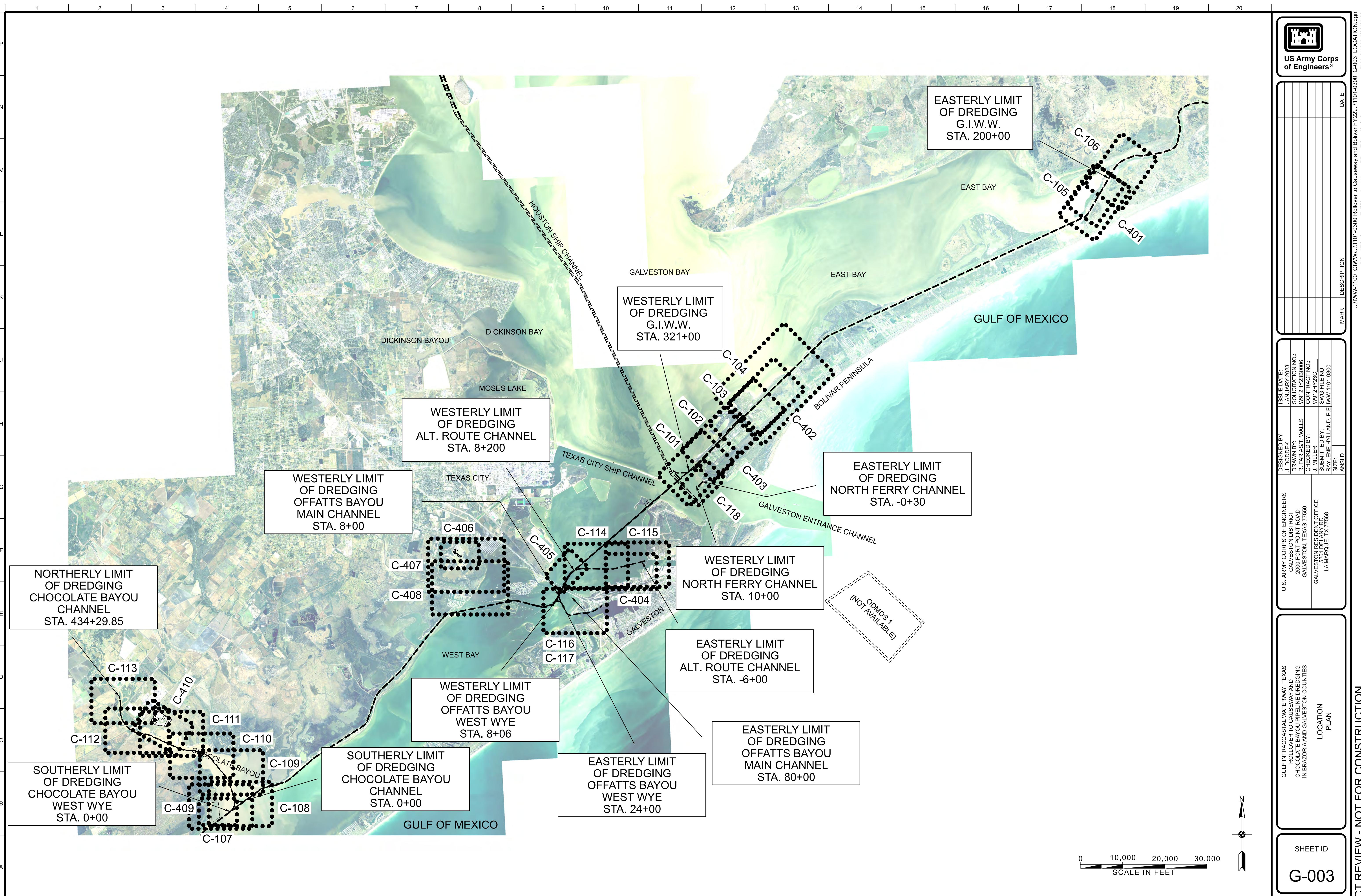
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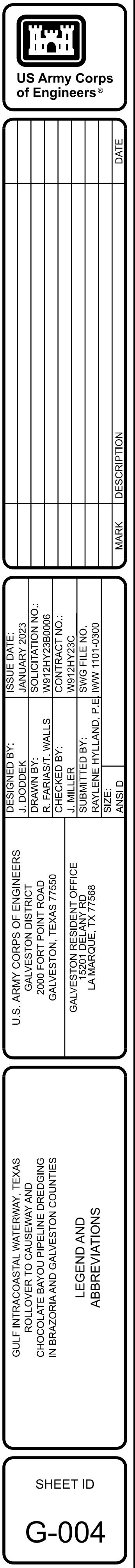
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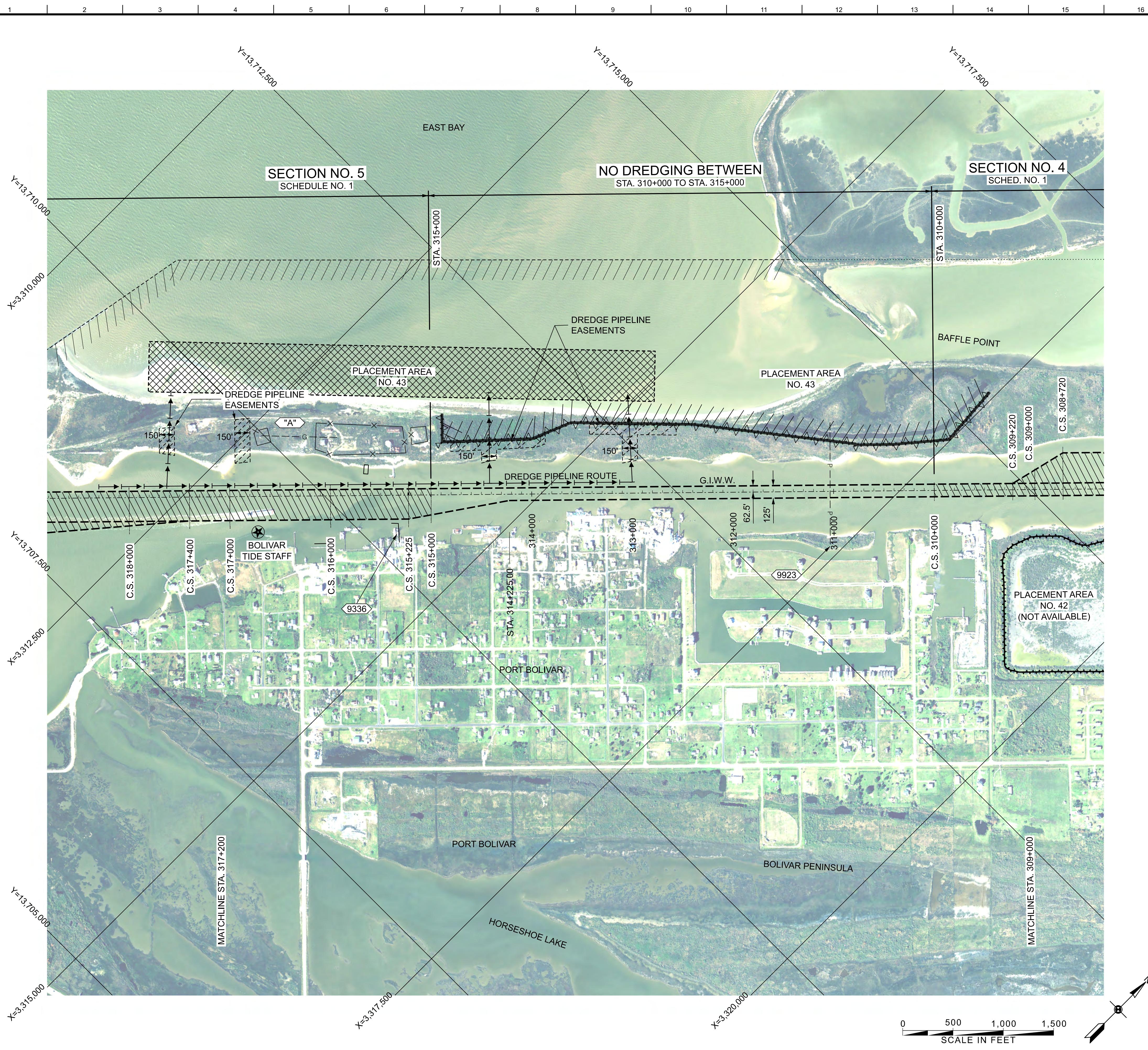
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MODIFIED</td><td>TAN TANGENT</td><td>-----</td><td>PROPERTY LINE</td></tr> <tr><td>AGGR AGGREGATE</td><td>EJ EXPANSION JOINT</td><td>MOT MOTOR</td><td>TEL TELEPHONE</td><td>-----</td><td>TEMPORARY WORK AREA EASEMENT</td></tr> <tr><td>AHR ANCHOR</td><td>ELEC ELECTRIC</td><td>MS MACHINE SCREWS</td><td>TEMP TEMPORARY</td><td>-----</td><td>RIGHT OF WAY</td></tr> <tr><td>AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION</td><td>EM EXPANDED METAL</td><td>MT MOUNT</td><td>THK THICKNESS</td><td>-----</td><td>SILT FENCE</td></tr> <tr><td>ALT ALTERNATE</td><td>ENCL ENCLOSURE</td><td>MTD MOUNTED</td><td>TO TOP OF</td><td>-----</td><td>FENCE LINE</td></tr> <tr><td>ALUM ALUMINUM</td><td>ENTR ENTRANCE, ENTERING</td><td>MTL METAL</td><td>TOL TOLERANCE</td><td>-----</td><td>RAILROADS</td></tr> <tr><td>ANSI AMERICAN NATIONAL STANDARDS INSTITUTE</td><td>EP ELECTRICAL PANELBOARD</td><td>N NORTH</td><td>TOPO TOPOGRAPHY</td><td>-----</td><td>MAJOR CONTOUR</td></tr> <tr><td>APPD APPROVED</td><td>EPRF EXPLOSION PROOF</td><td>NEC NATIONAL ELECTRICAL CODE</td><td>TOS TOP OF SLAB</td><td>-----</td><td>MINOR CONTOUR</td></tr> <tr><td>APPROX APPROXIMATE</td><td>EQ EQUAL / EQUATION</td><td>NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION</td><td>TYP TYPICAL</td><td>-----</td><td>STAGING AREA</td></tr> <tr><td>ARCH ARCHITECT</td><td>EST ESTIMATE(D)</td><td>NFPA NATIONAL FIRE PROTECTION ASSOCIATION</td><td>UNEX UNEXCAVATED</td><td>-----</td><td>EXISTING GRADE (IN SECTION)</td></tr> <tr><td>ASPH ASPHALT</td><td>EXST EXISTING</td><td>NIC NOT IN CONTRACT</td><td>UTIL UTILITY</td><td>-----</td><td>STRUCTURED FILL (IN SECTION)</td></tr> <tr><td>AUTO AUTOMATIC</td><td>EXP EXPANSION</td><td>NM NONMETALLIC</td><td>VERT VERTICAL</td><td>-----</td><td>FILL (IN SECTION)</td></tr> <tr><td>AVG AVERAGE</td><td>EXP EXPOSED</td><td>NO NORMALLY OPEN</td><td>VOL VOLUME</td><td>-----</td><td></td></tr> <tr><td>BDRY BOUNDARY</td><td>EXP BT EXPANSION BOLT</td><td>NOM NOMINAL</td><td>W WEST</td><td>-----</td><td></td></tr> <tr><td>BITUM BITUMINOUS</td><td>EXT EXTERIOR</td><td>NTS NOT TO SCALE</td><td>WD WOOD</td><td>-----</td><td></td></tr> <tr><td>BLDG BUILDING</td><td>F FAHRENHEIT</td><td>NUM NUMBER</td><td>WF WIDE FLANGE</td><td>-----</td><td></td></tr> <tr><td>BLW BELOW</td><td>FCJ FLOOR CONSTRUCTION JOINT</td><td>OBSC OBCURE</td><td>WT WEIGHT</td><td>-----</td><td></td></tr> <tr><td>BM BENCHMARK</td><td>FD FLOOR DRAIN</td><td>OC ON CENTER</td><td>WTH WIDTH</td><td>-----</td><td></td></tr> <tr><td>BTM BOTTOM</td><td>FDTN FOUNDATION</td><td>OD OUTSIDE DIAMETER</td><td>YD YARD</td><td>-----</td><td></td></tr> <tr><td>BRCG BRACING</td><td>FF FINISH FLOOR</td><td>OPH OPPOSITE HAND</td><td>-----</td><td>-----</td><td></td></tr> <tr><td>BRDG BRIDGING</td><td>FLR FLOOR</td><td>OPNG OPENING</td><td>-----</td><td>-----</td><td></td></tr> <tr><td>BRG BEARING</td><td>FLEX FLEXIBLE</td><td>OPP OPPOSITE</td><td>-----</td><td>-----</td><td></td></tr> <tr><td>BRG PL BEARING 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USED</td><td>-----</td><td></td></tr> <tr><td>CRES CORROSIVE RESISTANT STEEL</td><td>LBL LABEL</td><td>RC REMOTE CONTROL</td><td>ODMDS TO BE USED</td><td>-----</td><td></td></tr> <tr><td>CSK COUNTERSUNK</td><td>LBR LUMBER</td><td>RCP REINFORCED CONCRETE PIPE</td><td>ODMDS TO BE USED</td><td>-----</td><td></td></tr> <tr><td>C TO C CENTER TO CENTER</td><td>LD LOAD</td><td>REINF REINFORCE</td><td>ODMDS TO BE USED</td><td>-----</td><td></td></tr> <tr><td>CU FT CUBIC FEET</td><td>LG LONG (LENGTH)</td><td>REQD REQUIRED</td><td>ODMDS TO BE USED</td><td>-----</td><td></td></tr> <tr><td>CU YD CUBIC YARDS</td><td>LIN LINEAR</td><td>RND ROUND</td><td>ODMDS TO BE USED</td><td>-----</td><td></td></tr> <tr><td>CW COLD WATER</td><td>LONG LONGITUDINAL</td><td>RO ROUGH OPENING</td><td>ODMDS TO BE USED</td><td>-----</td><td></td></tr> <tr><td>CYL CYLINDER</td><td>LPT LOW POINT</td><td>ROW RIGHT OF WAY</td><td>ODMDS TO BE USED</td><td>-----</td><td></td></tr> <tr><td>DAT DATUM</td><td>LWC LIGHTWEIGHT CONCRETE</td><td>SCHED SCHEDULE</td><td>ODMDS TO BE USED</td><td>-----</td><td></td></tr> <tr><td>DBL DOUBLE</td><td>m METER(S)</td><td>SD STORM DRAIN</td><td>ODMDS TO BE USED</td><td>-----</td><td></td></tr> <tr><td>DCJ DOWELED CONTROL JOINT</td><td>MAS MASONRY</td><td>SECT SECTION</td><td>ODMDS TO BE USED</td><td>-----</td><td></td></tr> <tr><td>DEG DEGREE</td><td>MATL MATERIAL(S)</td><td>SEQ SEQUENCE</td><td>ODMDS TO BE USED</td><td>-----</td><td></td></tr> <tr><td>DEMO DEMOLITION</td><td>MAX MAXIMUM</td><td>SHT SHEET</td><td>ODMDS TO BE USED</td><td>-----</td><td></td></tr> <tr><td>DEPR DEPRESSION</td><td>MB MACHINE BOLTS</td><td>SIM SIMILAR</td><td>ODMDS TO BE USED</td><td>-----</td><td></td></tr> <tr><td>DEPT DEPARTMENT</td><td>MBR MEMBER</td><td>SLNT SEALANT</td><td>ODMDS TO BE USED</td><td>-----</td><td></td></tr> </tbody></table>																				L ANGLE	DET DETAIL	MCJ MASONRY CONTROL JOINT	SPCL SPECIAL	DISCIPLINE: T T T	UNDERGROUND COMMUNICATIONS	A/C AIR CONDITIONING	DIA 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MODIFIED	TAN TANGENT	-----	PROPERTY LINE	AGGR AGGREGATE	EJ EXPANSION JOINT	MOT MOTOR	TEL TELEPHONE	-----	TEMPORARY WORK AREA EASEMENT	AHR ANCHOR	ELEC ELECTRIC	MS MACHINE SCREWS	TEMP TEMPORARY	-----	RIGHT OF WAY	AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION	EM EXPANDED METAL	MT MOUNT	THK THICKNESS	-----	SILT FENCE	ALT ALTERNATE	ENCL ENCLOSURE	MTD MOUNTED	TO TOP OF	-----	FENCE LINE	ALUM ALUMINUM	ENTR ENTRANCE, ENTERING	MTL METAL	TOL TOLERANCE	-----	RAILROADS	ANSI AMERICAN NATIONAL STANDARDS INSTITUTE	EP ELECTRICAL PANELBOARD	N NORTH	TOPO TOPOGRAPHY	-----	MAJOR CONTOUR	APPD APPROVED	EPRF EXPLOSION PROOF	NEC NATIONAL ELECTRICAL CODE	TOS TOP OF SLAB	-----	MINOR CONTOUR	APPROX APPROXIMATE	EQ EQUAL / EQUATION	NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	TYP TYPICAL	-----	STAGING AREA	ARCH ARCHITECT	EST ESTIMATE(D)	NFPA NATIONAL FIRE PROTECTION ASSOCIATION	UNEX UNEXCAVATED	-----	EXISTING GRADE (IN SECTION)	ASPH ASPHALT	EXST EXISTING	NIC NOT IN CONTRACT	UTIL UTILITY	-----	STRUCTURED FILL (IN SECTION)	AUTO AUTOMATIC	EXP EXPANSION	NM NONMETALLIC	VERT VERTICAL	-----	FILL (IN SECTION)	AVG AVERAGE	EXP EXPOSED	NO NORMALLY OPEN	VOL VOLUME	-----		BDRY BOUNDARY	EXP BT EXPANSION BOLT	NOM NOMINAL	W WEST	-----		BITUM BITUMINOUS	EXT EXTERIOR	NTS NOT TO SCALE	WD WOOD	-----		BLDG BUILDING	F FAHRENHEIT	NUM NUMBER	WF WIDE FLANGE	-----		BLW BELOW	FCJ FLOOR CONSTRUCTION JOINT	OBSC OBCURE	WT WEIGHT	-----		BM BENCHMARK	FD FLOOR DRAIN	OC ON CENTER	WTH WIDTH	-----		BTM BOTTOM	FDTN FOUNDATION	OD OUTSIDE DIAMETER	YD YARD	-----		BRCG BRACING	FF FINISH FLOOR	OPH OPPOSITE HAND	-----	-----		BRDG BRIDGING	FLR FLOOR	OPNG OPENING	-----	-----		BRG BEARING	FLEX FLEXIBLE	OPP OPPOSITE	-----	-----		BRG PL BEARING PLATE	FLUOR FLUORESCENT	OPS OPERATIONS	-----	-----		BRK BRICK	FN FENCE	P POLE	-----	-----		BRKT BRACKET	FOC FACE OF CONCRETE	PC PIECE	-----	-----		BTWN BETWEEN	FP FIREPROOF	PCC PRECAST CONCRETE	-----	-----		CAB CABINET	FR FIRE RESISTANT	PCF POUNDS PER CUBIC FOOT	-----	-----		CAP CAPACITY	FS FULL SIZE	PD PAVEMENT DRAIN	-----	-----		CB CATCH BASIN	FT FEET	PED PEDESTAL	-----	-----		CHFR CHAMFER	FTG FOOTING	PERF PERFORATE(D)	-----	-----		CHK CHECK	FUT FUTURE	PERIM PERIMETER	-----	-----		CIP CAST-IN-PLACE	G NATURAL GAS	PH PHASE	-----	-----		CIRC CIRCULAR	GA GAGE	PL PLATE	-----	-----		CJ CONTROL JOINT	GAL GALLON(S)	PL PROPERTY LINE	CPT CONE PENETROMETER TEST (GEOTECHNICAL)	-----		CJ CONSTRUCTION JOINT	GALV GALVANIZED	PLAT PLATFORM	DHS DEPARTMENT OF HOMELAND SECURITY	-----		CKT CIRCUIT	GLV GALVANIZED IRON	PLF POUNDS PER LINEAR FOOT	FRP FREEPORT HARBOR	-----		CKT BRKR CIRCUIT BREAKER	GND GROUND	PLG PILING	GALV GALVESTON	-----		CL CENTER LINE	GOVT GOVERNMENT	PLYWD PLYWOOD	GIS GEOGRAPHIC INFORMATION SYSTEM	-----		CLOS CLOSURE	GRAN GRANITE	PNL PANEL	GIWW GULF INTRACOASTAL WATERWAY	-----		CLR CLEARANCE)	GRTG GRATING	PPM PARTS PER MILLION	GUAD GUADELOPE RIVER	-----		cm CENTIMETER(S)	HD HEAVY DUTY	PREFAB PREFABRICATE(D)	HSC HOUSTON SHIP CHANNEL	-----		CMPST COMPOSITE	HW HARDWARE	PRKG PARKING	IWW INTRACOASTAL WATERWAY	-----		COL COLUMN	HEX HEXAGON	PROJ PROJECT	MATOC MULTIPLE AWARD TASK ORDER CONTRACT	-----		COM COMMON	HORIZ HORIZONTAL	PS CONC PRESTRESSED CONCRETE	ODMDS OCEAN DREDGED MATERIAL DISPOSAL SITE	-----		CONC CONCRETE	HS HIGH STRENGTH	PSF POUNDS PER SQUARE FOOT	ODMDS TO BE USED	-----		CONN CONNECT	HT HEIGHT	PSI POUNDS PER SQUARE INCH	ODMDS TO BE USED	-----		CONSTR CONSTRUCTION	ID INSIDE DIAMETER	PT POINT	ODMDS TO BE USED	-----		CONT CONTINUE	IN INCH	PT CONC POST-TENSIONED CONCRETE	ODMDS TO BE USED	-----		CONTR CONTRACTOR	INCL INCLUDED	PV PAVED	ODMDS TO BE USED	-----		CORR CORRIDOR	INSUL INSULATION	PVG PAVING	ODMDS TO BE USED	-----		COV COVER	INT INTERIOR	QT QUART	ODMDS TO BE USED	-----		CPRS COMPRESSIBLE	INV INVERT	QTY QUANTITY	ODMDS TO BE USED	-----		CRCMF CIRCUMFERENCE	LB POUND	R RADIUS	ODMDS TO BE USED	-----		CRES CORROSIVE RESISTANT STEEL	LBL LABEL	RC REMOTE CONTROL	ODMDS TO BE USED	-----		CSK COUNTERSUNK	LBR LUMBER	RCP REINFORCED CONCRETE PIPE	ODMDS TO BE USED	-----		C TO C CENTER TO CENTER	LD LOAD	REINF REINFORCE	ODMDS TO BE USED	-----		CU FT CUBIC FEET	LG LONG (LENGTH)	REQD REQUIRED	ODMDS TO BE USED	-----		CU YD CUBIC YARDS	LIN LINEAR	RND ROUND	ODMDS TO BE USED	-----		CW COLD WATER	LONG LONGITUDINAL	RO ROUGH OPENING	ODMDS TO BE USED	-----		CYL CYLINDER	LPT LOW POINT	ROW RIGHT OF WAY	ODMDS TO BE USED	-----		DAT DATUM	LWC LIGHTWEIGHT CONCRETE	SCHED SCHEDULE	ODMDS TO BE USED	-----		DBL DOUBLE	m METER(S)	SD STORM DRAIN	ODMDS TO BE USED	-----		DCJ DOWELED CONTROL JOINT	MAS MASONRY	SECT SECTION	ODMDS TO BE USED	-----		DEG DEGREE	MATL MATERIAL(S)	SEQ SEQUENCE	ODMDS TO BE USED	-----		DEMO DEMOLITION	MAX MAXIMUM	SHT SHEET	ODMDS TO BE USED	-----		DEPR DEPRESSION	MB MACHINE BOLTS	SIM SIMILAR	ODMDS TO BE USED	-----		DEPT DEPARTMENT	MBR MEMBER	SLNT SEALANT	ODMDS TO BE USED	-----	
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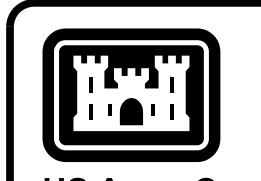
 SHEET KEYNOTES

PIPELINES AND/OR UTILITIES PERMIT NUMBERS:

- "A" HOUSTON OIL & MINERAL CO. FACILITY
GAS LINE FENCE OFF IN

9336 HOUSTON OIL & MINERAL CORP.
SLIP & DOCK

9923 STA. 311+035
SEAGULL PIPELINE CORP.
2- CONC PIPES
TOP PIPE EL. -25.0 M.L.L.W.



**S Army Corps
f Engineers®**

corps
S®

U.S. ARMY CORPS OF ENGINEERS GALVESTON DISTRICT 2000 FORT POINT ROAD GALVESTON, TEXAS 77550		DESIGNED BY: J. DODDEK	ISSUE DATE: JANUARY 2023
		DRAWN BY: R. FARIAS/T. WALLS	SOLICITATION NO.: W912HY23B0006
		CHECKED BY: J. MILLER	CONTRACT NO.: W912HY23C
		SUBMITTED BY: RAYLENE HYLLAND, P.E.	SWG FILE NO.: IWW 1101-0300
		SIZE: ANSID	
GALVESTON RESIDENT OFFICE 15201 DELANY RD. LAMARQUE, TX 77568			

GULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES

GIWW
PLAN

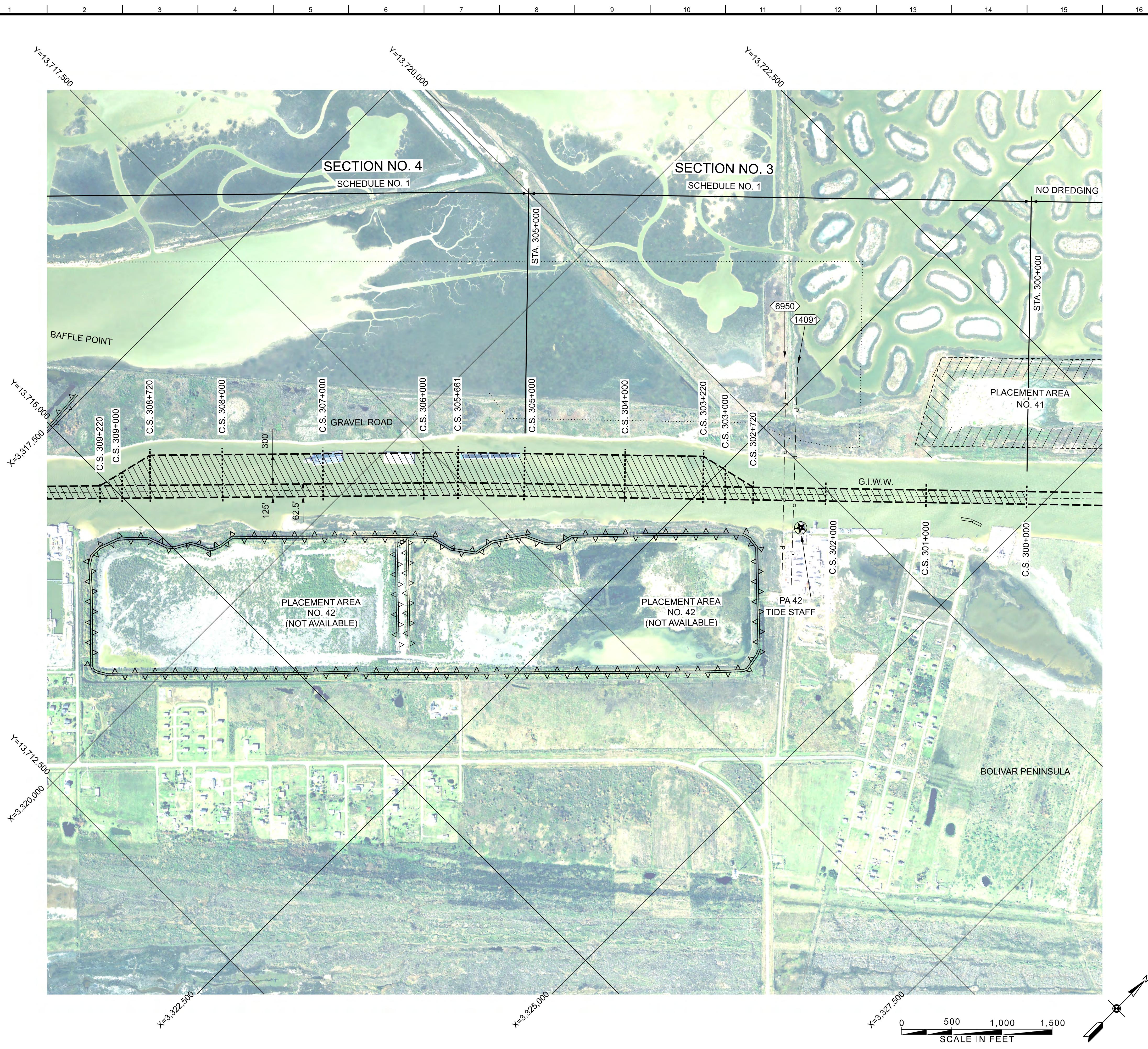
STA. 309+000 TO STA. 317+200

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SHEET ID

C-102

CT REVIEW - NOT FOR CONSTRUCTION

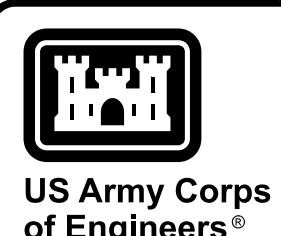


SHEET KEYNOTES

PIPELINES AND/OR UTILITIES PERMIT NUMBERS:

6950 STA. 302+417
BLACK MARLIN PIPELINE CO.
16" PIPE
TOP OF PIPE EL. -27.3 M.L.L.W.

14091 STA. 302+316
CHAMBERS CO. GAS GATHERING SYSTEM
2-10" PIPES
TOP PIPE EL. -25.0 M.LL.W.



US Army Corps
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7:42:21 AM 1/29/2023

U.S. ARMY CORPS OF ENGINEERS		ISSUE DATE: JANUARY 2023
GALVESTON DISTRICT 2000 FORT POINT ROAD GALVESTON, TEXAS 77550		SOLICITATION NO.: W912HY23B0006
GALVESTON RESIDENT OFFICE 15201 DELANY RD LA MARQUE, TX 77568		CONTRACT NO.: W912HY23C
SIZE: ANSI D	SWG FILE NO. MWW 1101-0300	SUBMITTED BY: RAYLENE HYLLAND, P.E.
CHECKED BY: J. MILLER		DRAWN BY: R. FARIAST/T. WALLS
DESIGNED BY: J. DODDEK		

**GULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES**

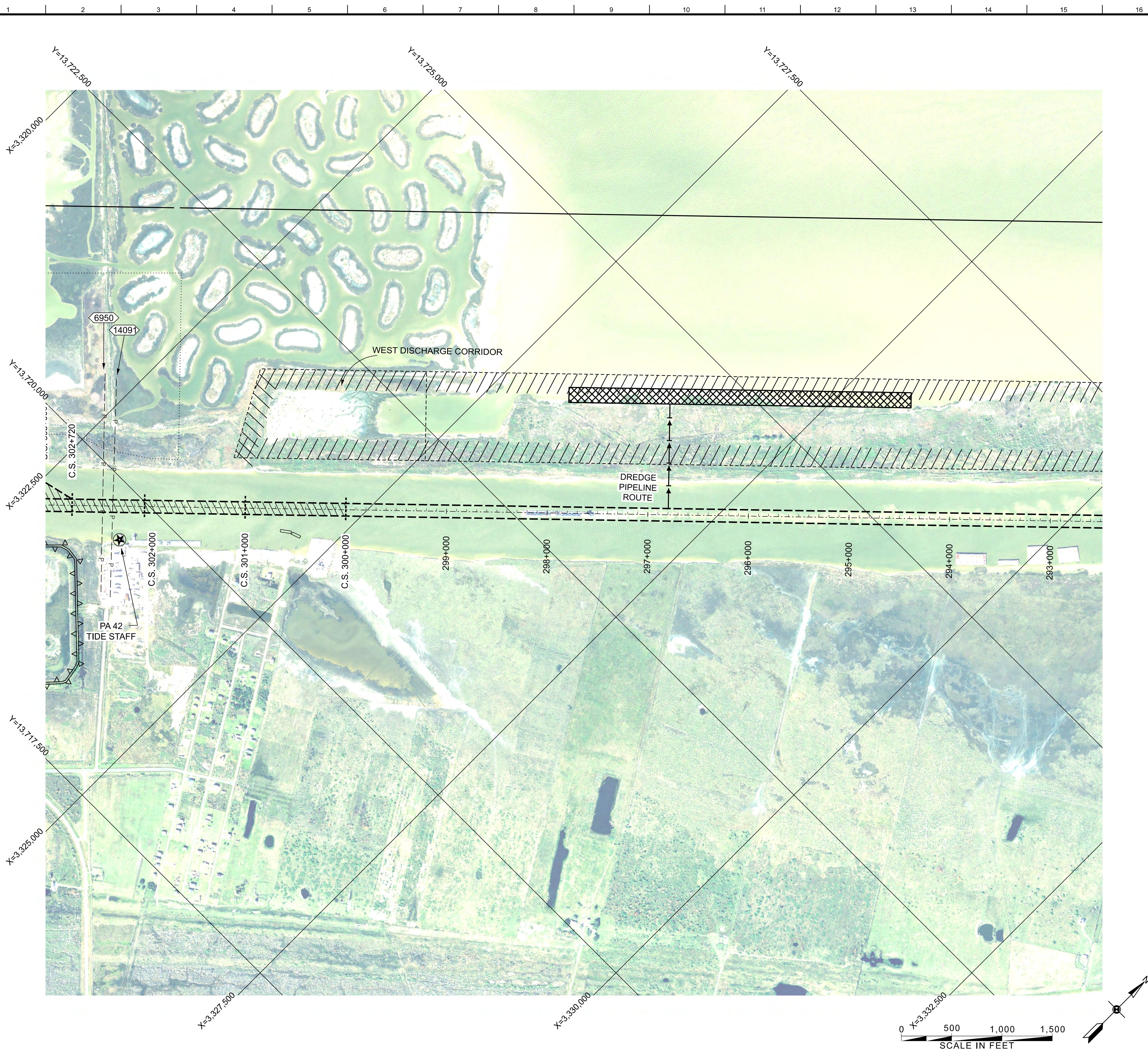
**GIWW
PLAN**

STA. 302+000 TO STA. 309+000

SHEET ID

C-103

CT REVIEW - NOT FOR CONSTRUCTION

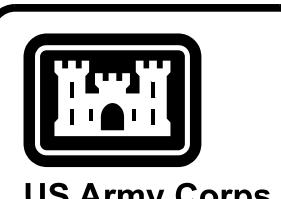


 SHEET KEYNOTES

PIPELINES AND/OR UTILITIES PERMIT NUMBERS:

6950 STA. 302+417
BLACK MARLIN PIPELINE CO.
16" PIPE
TOP OF PIPE EL. -27.3 M.L.L.W.

14091 STA. 302+316
CHAMBERS CO. GAS GATHERING SYSTEM
2-10" PIPES
TOP PIPE EL. -25.0 M.L.L.W.



**US Army Corps
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7:42:30 AM 1/29/2023

U.S. ARMY CORPS OF ENGINEERS		ISSUE DATE: JANUARY 2023
GALVESTON DISTRICT 2000 FORT POINT ROAD GALVESTON, TEXAS 77550		SOLICITATION NO.: W912HY23B0006
GALVESTON RESIDENT OFFICE 15201 DELANY RD LA MARQUE, TX 77568		CONTRACT NO.: W912HY23C
DESIGNED BY: J. DODDEK	DRAWN BY: R. FARIAST, WALLS	CHECKED BY: J. MILLER
SUBMITTED BY: RAYLENE HYLLAND, P.E.	SWG FILE NO.: IWW 1101-0300	SIZE: ANSI D

GULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES

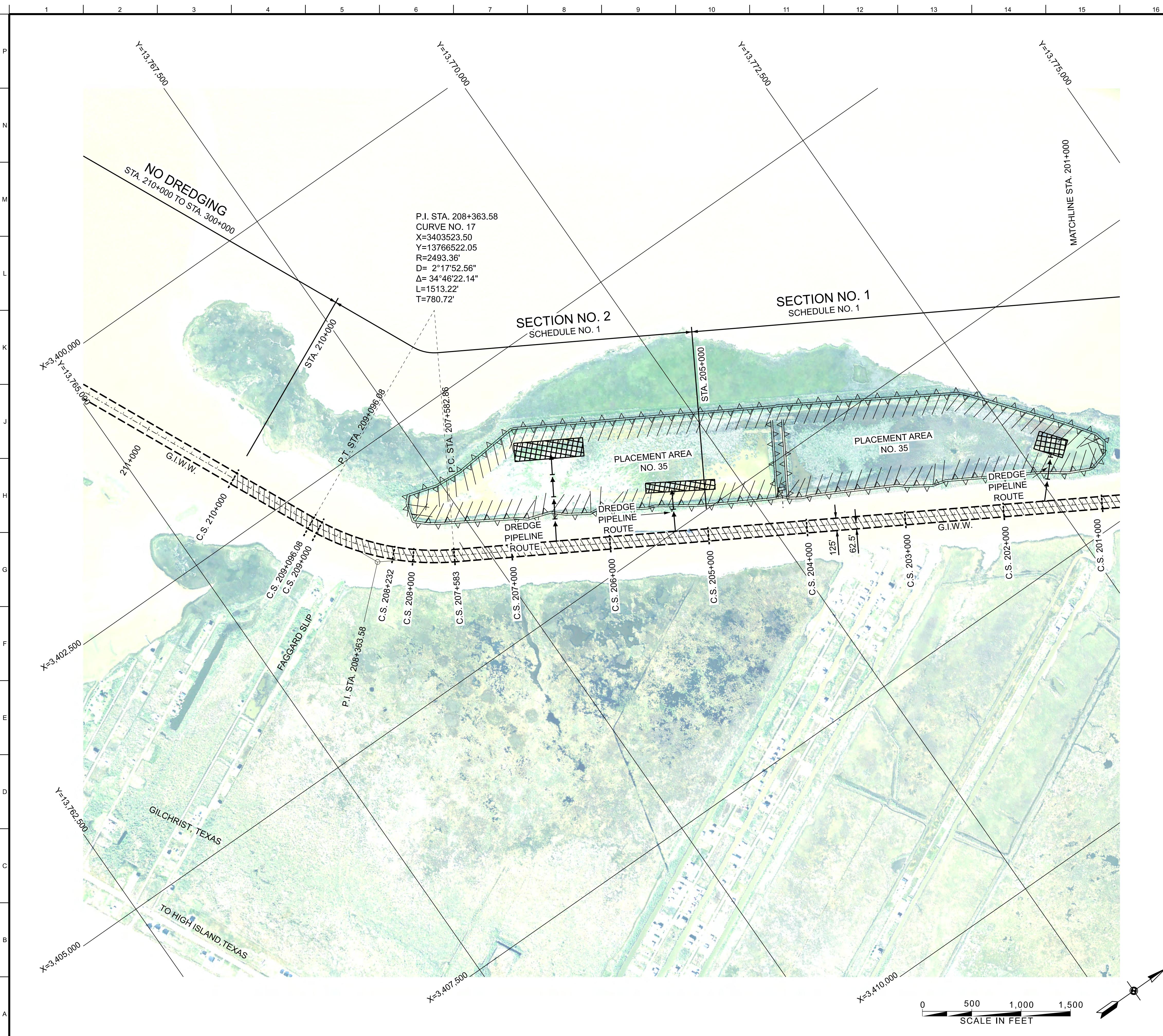
GIWW
PLAN

STA. 300+000 TO STA. 302+000

SHEET ID

C-104

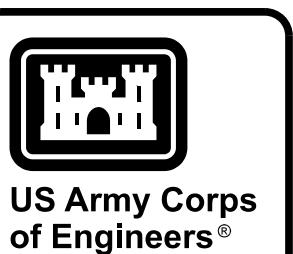
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CHOC
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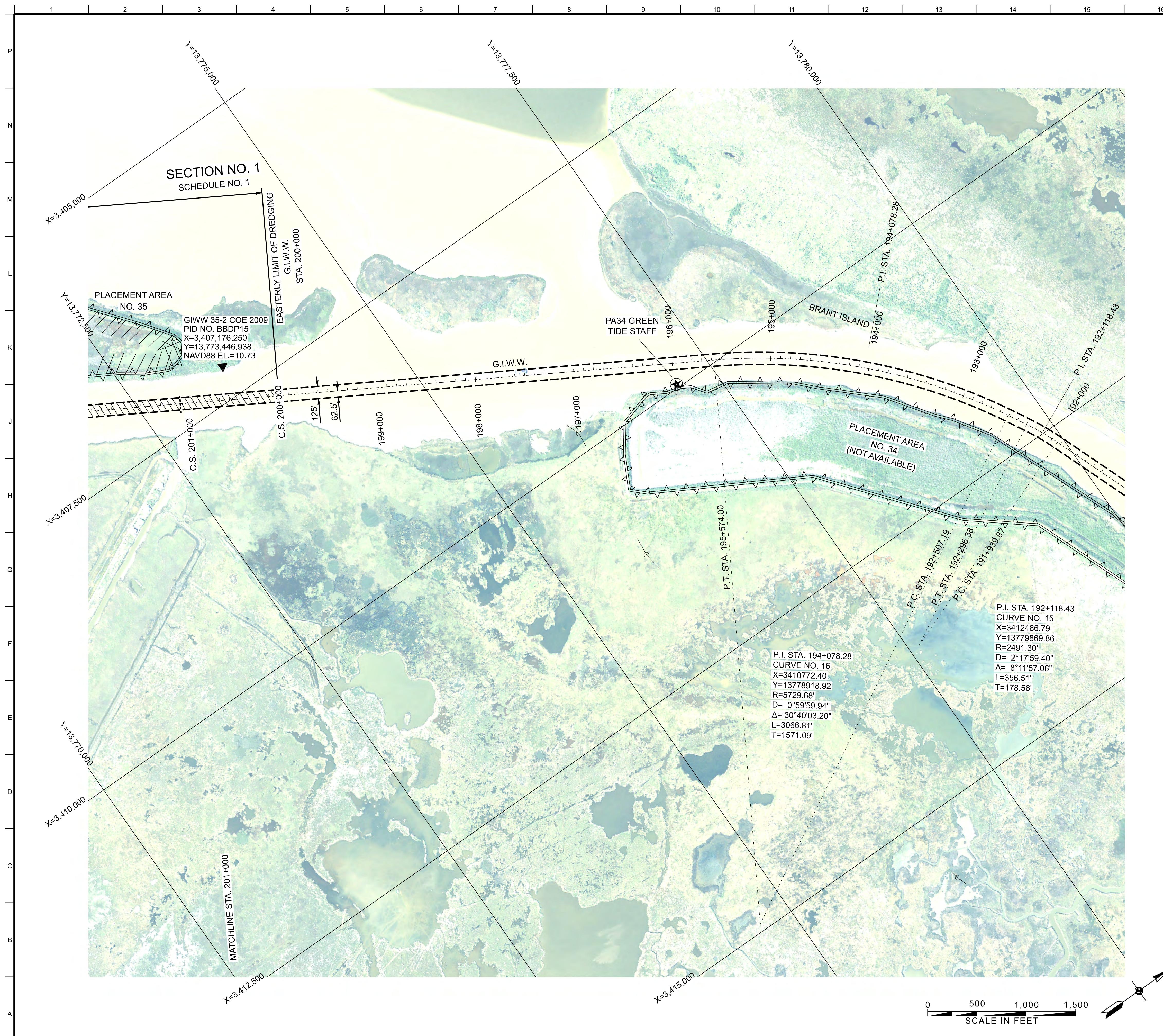
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**U.S. Army Corps
Engineers®**

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**CHOCOLATE BAYOU PIPELINE DREDGE
IN BRAZORIA AND GALVESTON COUNTIES**

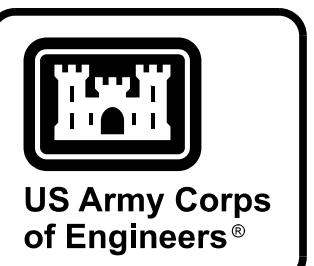
**GIWW
PLAN
STA. 200+000 TO STA. 201+0**

**MOOCOLATE BAYOU PIPELINE DREDGING
BRAZORIA AND GALVESTON COUNTIES**

**GIWW
PLAN
STA. 200+000 TO STA. 201+000**

U.S. Army Corps Engineers®	
2000 FORT POINT ROAD GALVESTON, TEXAS 77550	
GALVESTON RESIDENT OFFICE 15201 DELANY RD LAMARQUE, TX 77568	
DRAWN BY: <u>R. FARIA/T. WALLS</u>	SPECIFICATION NO.: <u>W912HY23B0006</u>
CHECKED BY: <u>J. MILLER</u>	CONTRACT NO.: <u>W912HY23C</u>
SUBMITTED BY: <u>RAYLENE HYLLAND, P.E.</u>	SWG FILE NO. <u>IWW 1101-0300</u>
SIZE: <u>ANSI D</u>	MARK DESCRIPTION
	DATE

A vertical rectangular banner. At the top is a black-bordered square containing a white silhouette of a castle with three towers and a central archway. Below the logo, the text "U.S. Army Corps" is on one line and "Engineers®" is on the line below it, both in a bold, sans-serif font. The bottom half of the banner is a large, empty rectangular area with horizontal ruling lines, intended for handwritten notes. In the bottom right corner of this area, the word "DATE" is printed vertically.

US Army Corps
of Engineers®Plan.dwg
7:42:56 AM 1/29/2023

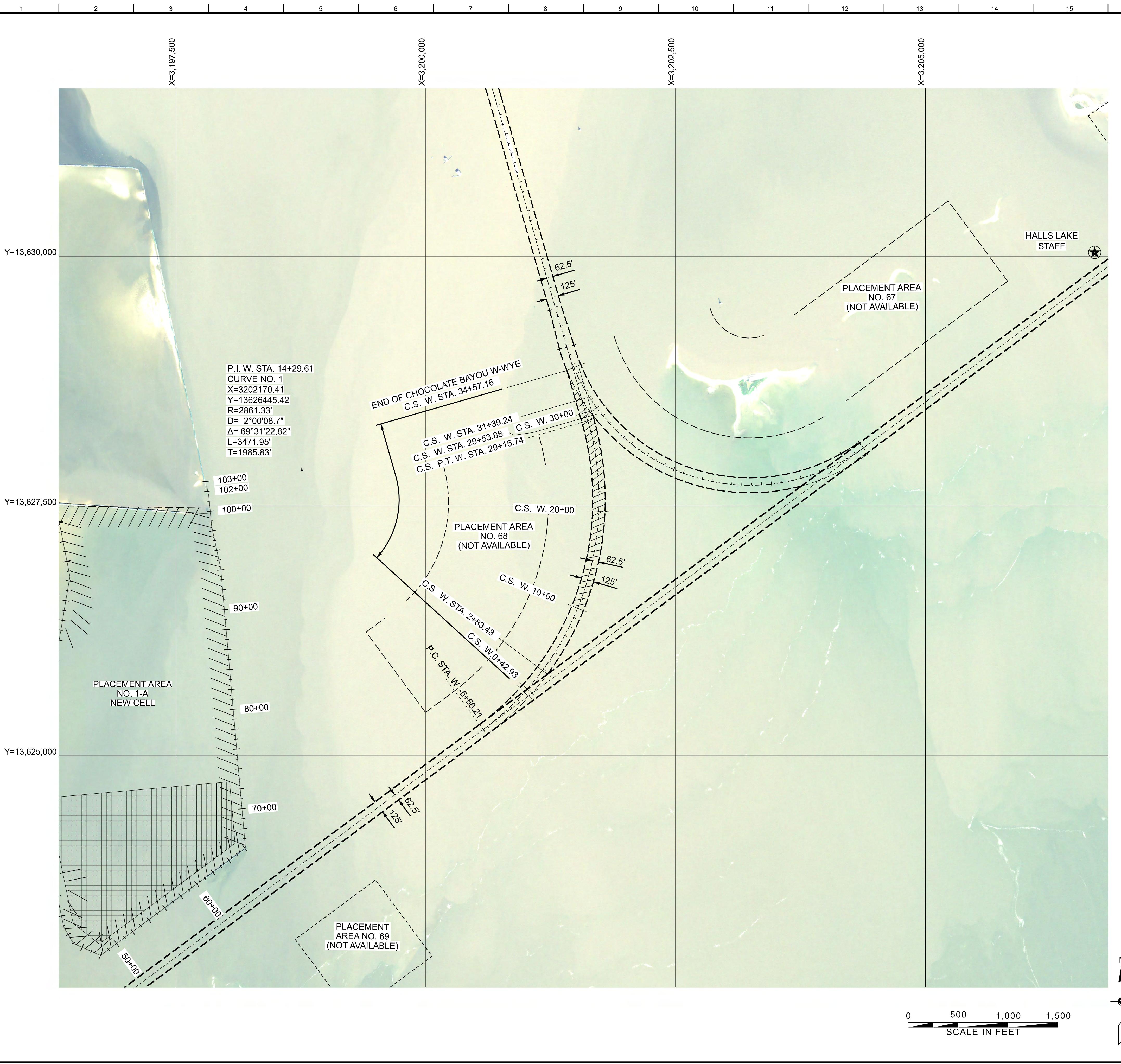
...\\WW-1100_GWW..\\1101-0300_Rollover to Causeway and Bolivar FY22..\\1101-0300_C-107.dwg
DS_AEC_Screen_FullSize.dscpt
PD_AEC_C.pdf.ptcig

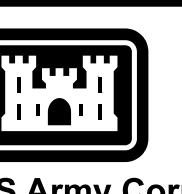
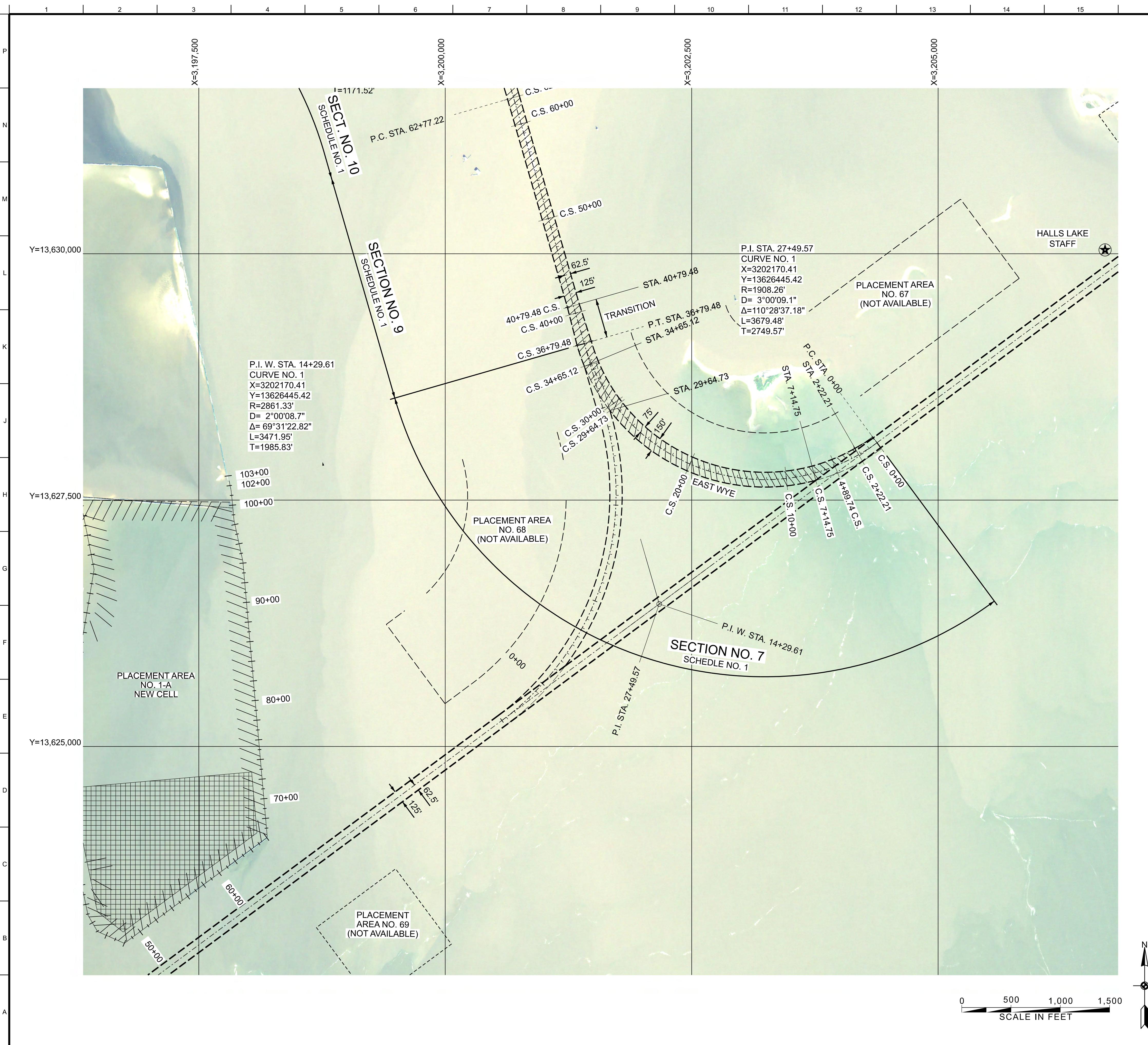
U.S. ARMY CORPS OF ENGINEERS GALVESTON DISTRICT 2000 FORT POINT ROAD GALVESTON, TEXAS 77550	DESIGNED BY: J.DODDEK ISSUE DATE: JANUARY 2023
GALVESTON RESIDENT OFFICE 15201 DELANY RD LA MARQUE, TX 77568	DRAWN BY: R.FARIS/T. WALLS SOLICITATION NO.: W912HY23B0006
	CHECKED BY: J.MILLER CONTRACT NO.: W912HY23C
	SUBMITTED BY: RAYLENE HYLAND, P.E. SWG FILE NO.: IVWW 1101-0300
	SIZE: ANSI D

GULF INTRACOASTAL WATERWAY, TEXAS ROLLOVER TO CAUSEWAY AND CHOCOLATE BAYOU PIPELINE DREDGING IN BRAZORIA AND GALVESTON COUNTIES
CHOCOLATE BAYOU WEST WYE PLAN
STA. W. 0+00 TO STA. W. 34+57.16

SHEET ID C-107
DATE

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**U.S. Army Corps
Engineers®**

0300 C 108 Plan dan

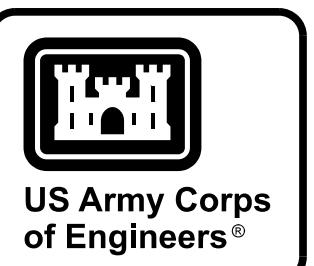
GALVESTON DISTRICT 2000 FORT POINT ROAD GALVESTON, TEXAS 77550	DRAWN BY: R. FARIAS/T. WALLS CHECKED BY: J. MILLER	SOLICITATION NO.: W912HY23B0006 CONTRACT NO.: W912HY23C
GALVESTON RESIDENT OFFICE 15201 DELANY RD LA MARQUE, TX 77568	SUBMITTED BY: RAYLENE HYLLAND, P.E.	SWG FILE NO. IWW 1101-0300
	SIZE:	ANSID

LATE BAYOU EAST WYE AND MAIN CHANNEL
PLAN
STA. 0+00 TO STA. 60+00

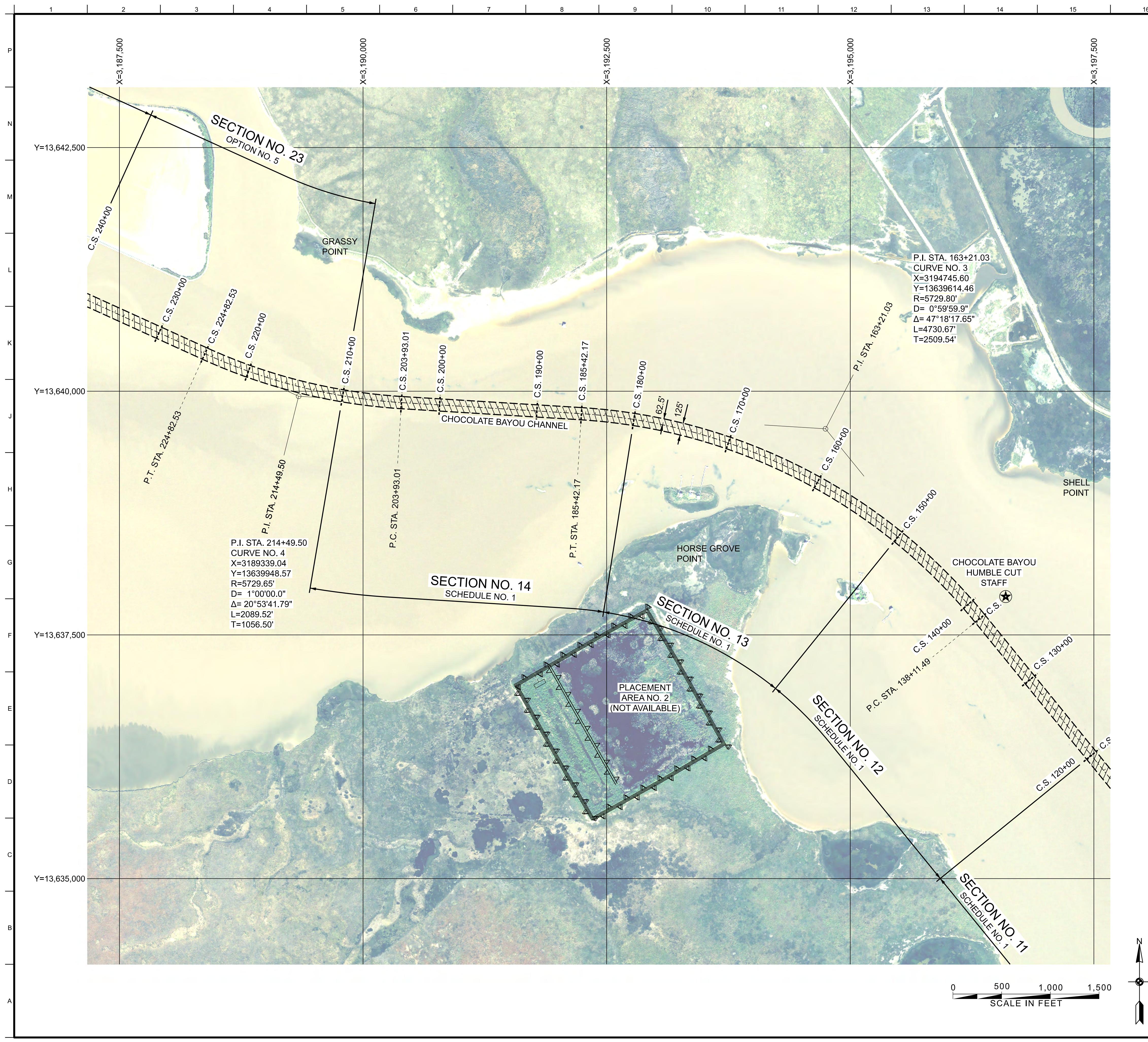
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES

SHEET ID

C-108

US Army Corps
of Engineers®Plan.sgn
7:43:16 AM 1/29/2023

DATE



**CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES**

**CHOCOLATE BAYOU CHANNEL
PLAN**

STA. 130+00 TO STA. 220+00

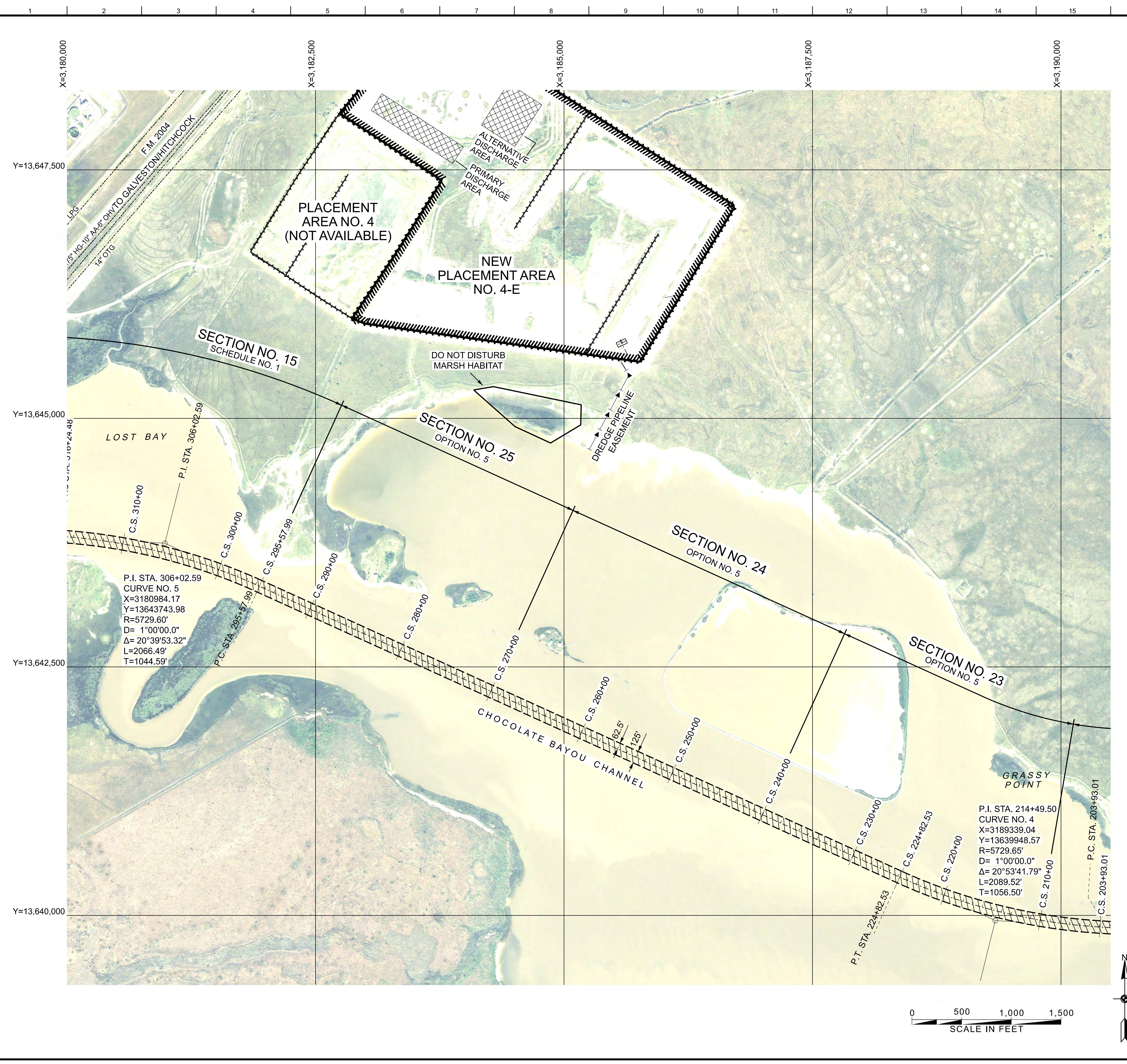
CONSTRUCTION

SHEET ID
C-110

CONSTRUCTION

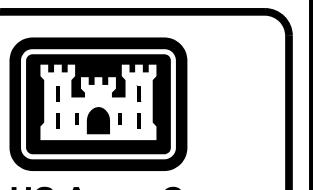
DRAFT REVIEW

DRAWN BY: R. FARAS/T. WALLS	SOLICITATION NO.: W912HY23B0006
CHECKED BY: J. MILLER	CONTRACT NO.: W912HY23C
SUBMITTED BY: RAYLENE HYLLAND, P.E.	
SIZE: ANSID	
GALVESTON RESIDENT OFFICE 15201 DELANY RD LA MARQUE, TX 77568	
SWG FILE NO. IWW 1101-0300	



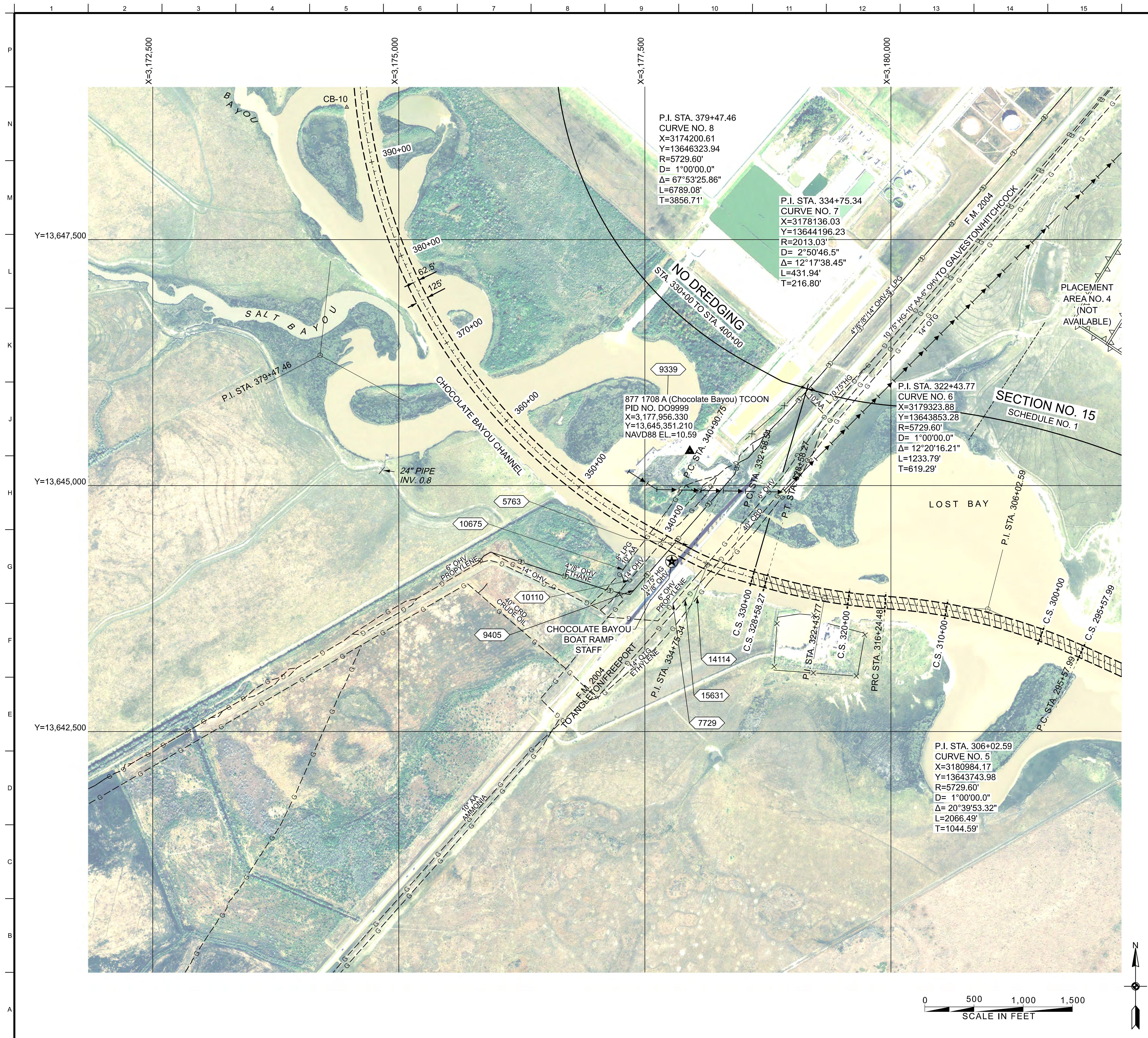
CONSTRUCTION

SHEET ID
C-111



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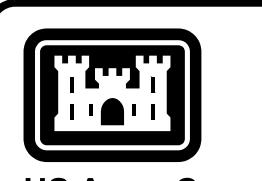
DS: AEC Screen FullSize.dscript PD: AEC pdf.pltcfq 1100_GIWW...\1101-0300 Rollover to Causeway and Bolivar FY22\...\1101-0300_C-111_Plan.dgn 7:43:35 AM 1/29/2023



 SHEET KEYNOTES

PIPELINE AND OR UTILITY PERMIT NUMBERS:

5763	STA. 337+33 (F.M. 2004) CLEARANCE: VERT. +51.2' M.L.L.W. HORIZ. 200' BETWEEN FENDERS
7729	STA. 334+79 H.L.& P. AERIAL LINE CLEARANCE: VERT. +81.8' M.L.L.W. MIN. AT CENTER OF SPAN
9339	AMOCO CHEM. CO. SLIP & DOCK
9405	STA. 338+78 AMOCO PIPELINE CO. 9- PIPES MIN. EL. -23.8' M.L.L.W.
10110	STA. 339+84 BIG THREE IND. 3-10" PIPELINES MIN. EL. -23.8' M.L.L.W.
10675	STA. 341+39 SEADRIFT P. L. CO. 8" PIPE MIN. EL. -33.3 M.L.L.W.
14114	(01)/55 STA. 333+29 STRATEGIC PETROLEUM RESEARCH 40" CRUDE OIL PIPE MIN. EL. -28.8' M.L.L.W.
15631	STA. 333+97 CHEVRON PIPELINE CO. 6" PIPE MIN. EL. -25.2' M.L.L.W.



US Army Corps
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U.S. ARMY CORPS OF ENGINEERS	
GALVESTON DISTRICT	
2000 FORT POINT ROAD	
GALVESTON, TEXAS 77550	
<hr/>	
GALVESTON RESIDENT OFFICE	
15201 DELANY RD	
LA MARQUE, TX 77568	
DESIGNED BY:	J. DODDEK
ISSUE DATE:	JANUARY 2023
DRAWN BY:	R. FARAS/T. WALLS
SOLICITATION NO.:	W912HY23B0006
CHECKED BY:	J. MILLER
CONTRACT NO.:	W912HY23C
SUBMITTED BY:	RAYLENE HYLLAND, P.E.
SWG FILE NO.	IMW 1101-0300
SIZE:	ANSI D

GULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES

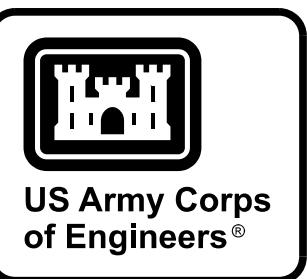
CHOCOLATE BAYOU CHANNEL
PLAN

STA. 310+00 TO STA. 390+00

SHEET ID

C-112

CT PREVIEW - NOT EOF CONSTRUCTION

US Army Corps
of Engineers®Plan.dwg
7/4/53 AM 1/29/2023...WW-1100_GWW..1101-0300 Rollover to Causeway and Bolivar F/V22...\\1101-0300 C-13 Plan.dwg
DS_AEC_Screen_FullSize.descript
PD_AEC.pdf.ptclg

DATE

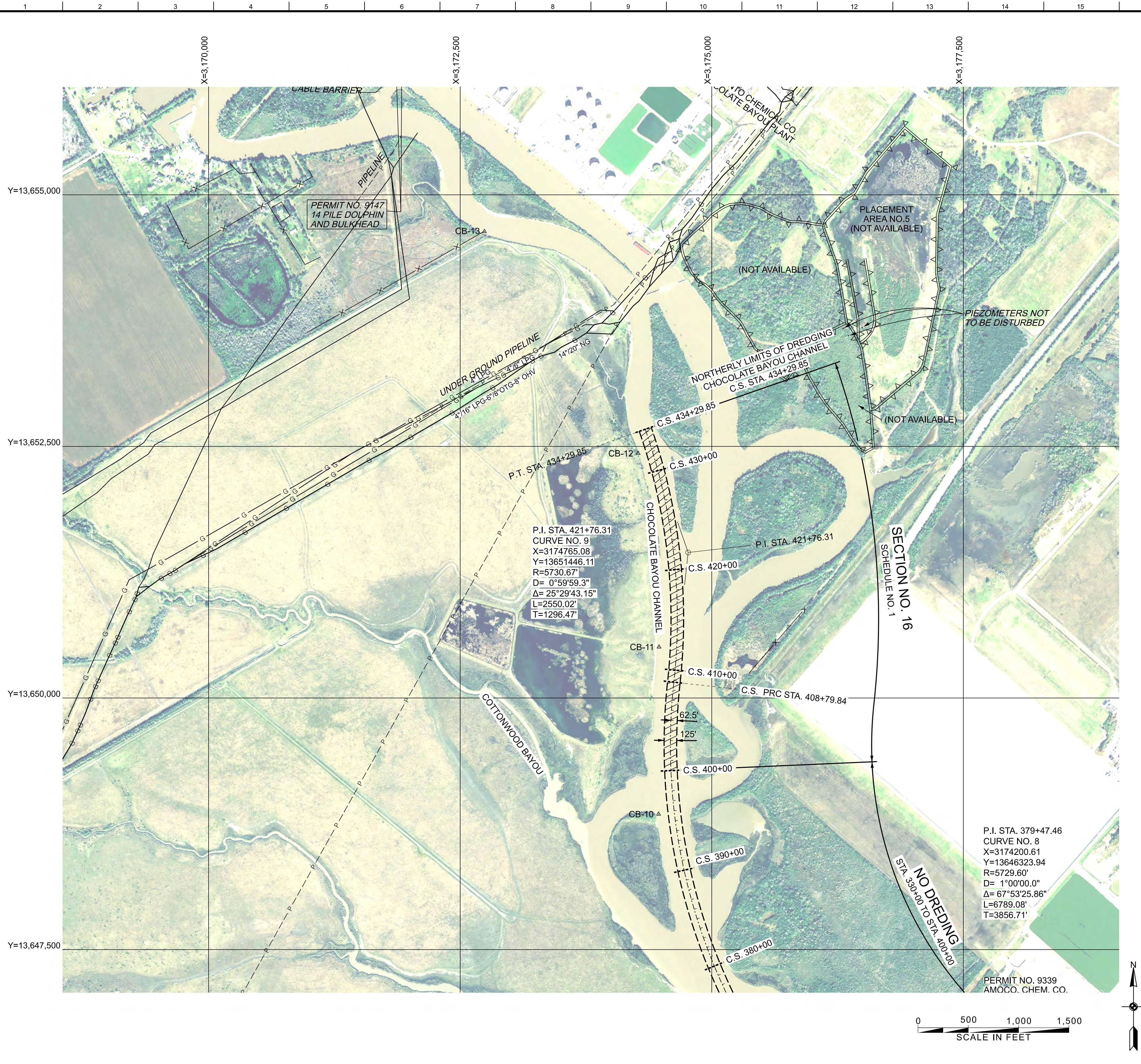
MARK	DESCRIPTION

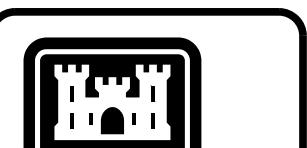
GULF INTRACOASTAL WATERWAY, TEXAS ROLLOVER TO CAUSEWAY AND CHOCOLATE BAYOU PIPELINE DREDGING IN BRAZORIA AND GALVESTON COUNTIES CHOCOLATE BAYOU CHANNEL PLAN STA. 390+00 TO STA. 434+29.85
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SHEET ID

C-113

CT REVIEW - NOT FOR CONSTRUCTION

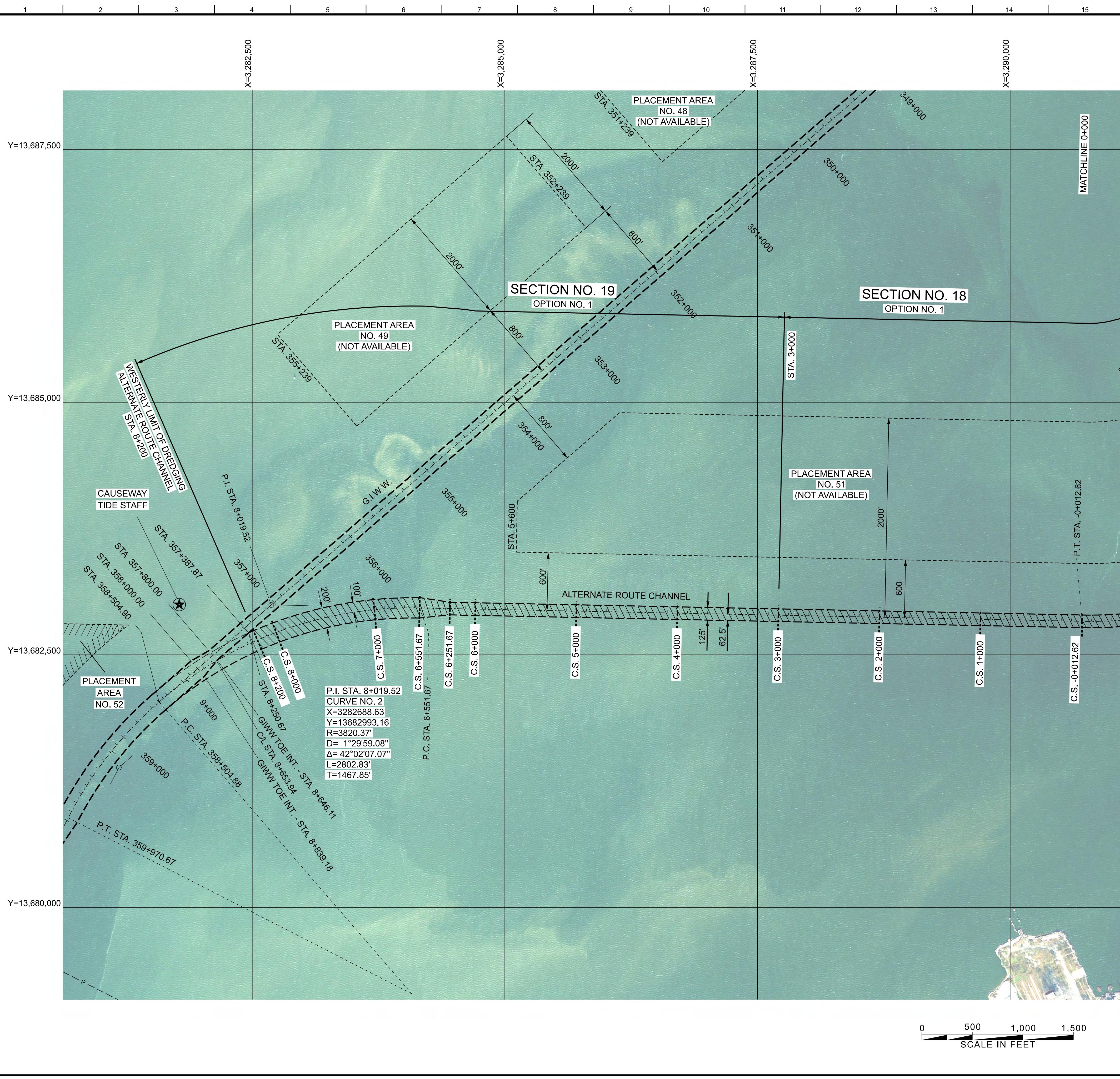


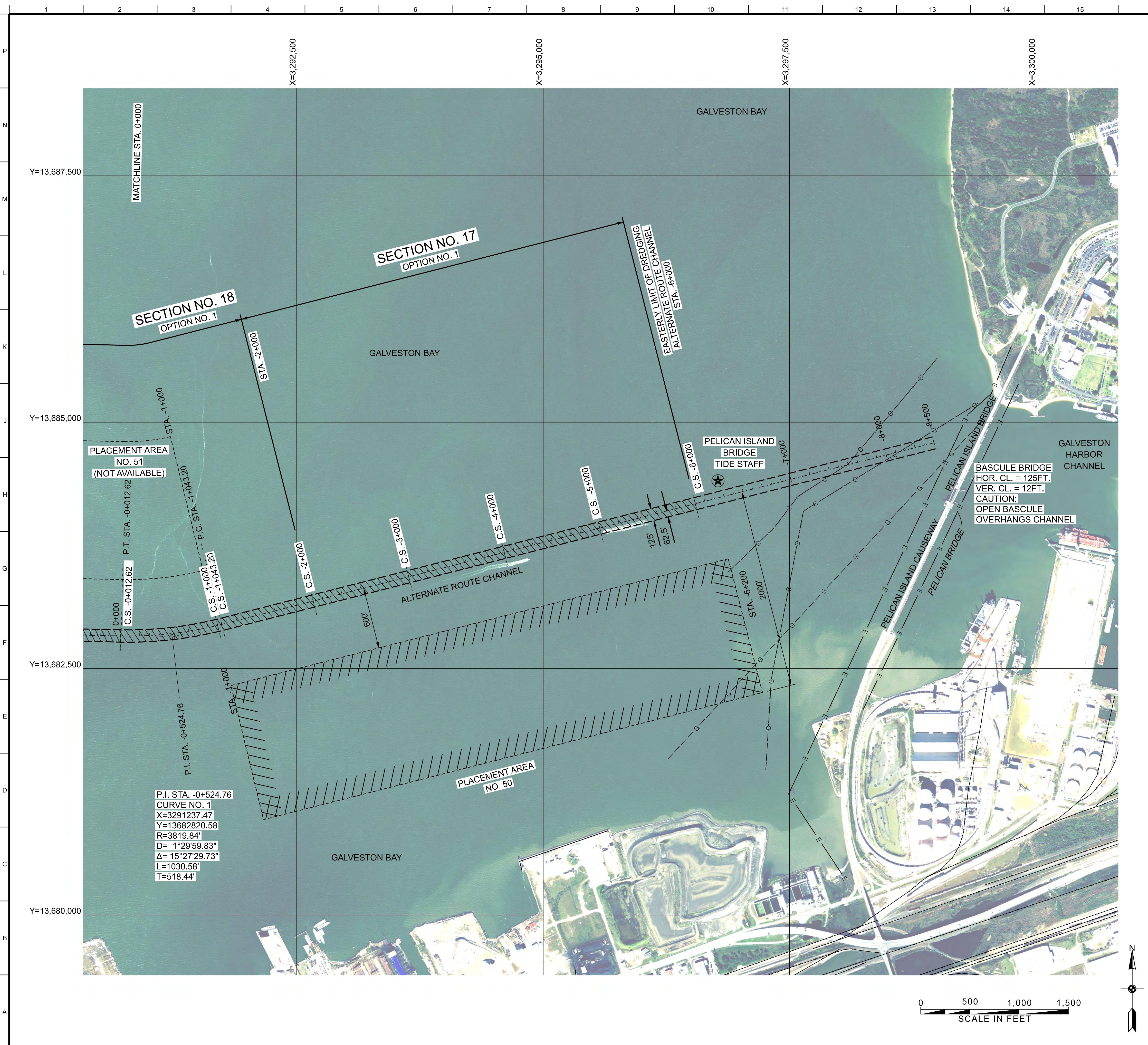
US Army Corps
of Engineers®

...WW-1100_GWW..1101-0300 Rollover to Causeway and Bolivar F...
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DATE

U.S. ARMY CORPS OF ENGINEERS GALVESTON DISTRICT 2000 FORT POINT ROAD GALVESTON, TEXAS 77550	DESIGNED BY: J.DODDEK ISSUE DATE: JANUARY 2023
GALVESTON RESIDENT OFFICE 15201 DELANY RD LA MARQUE, TX 77568	DRAWN BY: R.FARIS/T. WALLS SOLICITATION NO.: W912HY28B006
ALTERNATE ROUTE CHANNEL PLAN STA. 0+00 TO STA. 8+200	CHECKED BY: J.MILLER CONTRACT NO.: W912HY23C SUBMITTED BY: RAYLENE HYLAND, P.E. SWG FILE NO.: IVWW 1101-0300 SIZE: ANSI D

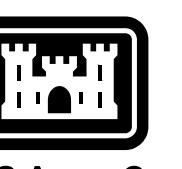
GULF INTRACOASTAL WATERWAY, TEXAS ROLLOVER TO CAUSEWAY AND CHOCOLATE BAYOU PIPELINE DREDGING IN BRAZORIA AND GALVESTON COUNTIES	SHEET ID C-114
ALTERNATE ROUTE CHANNEL PLAN STA. 0+00 TO STA. 8+200	CT REVIEW - NOT FOR CONSTRUCTION





SHEET ID

C-115



**U.S. Army Corps
of Engineers®**

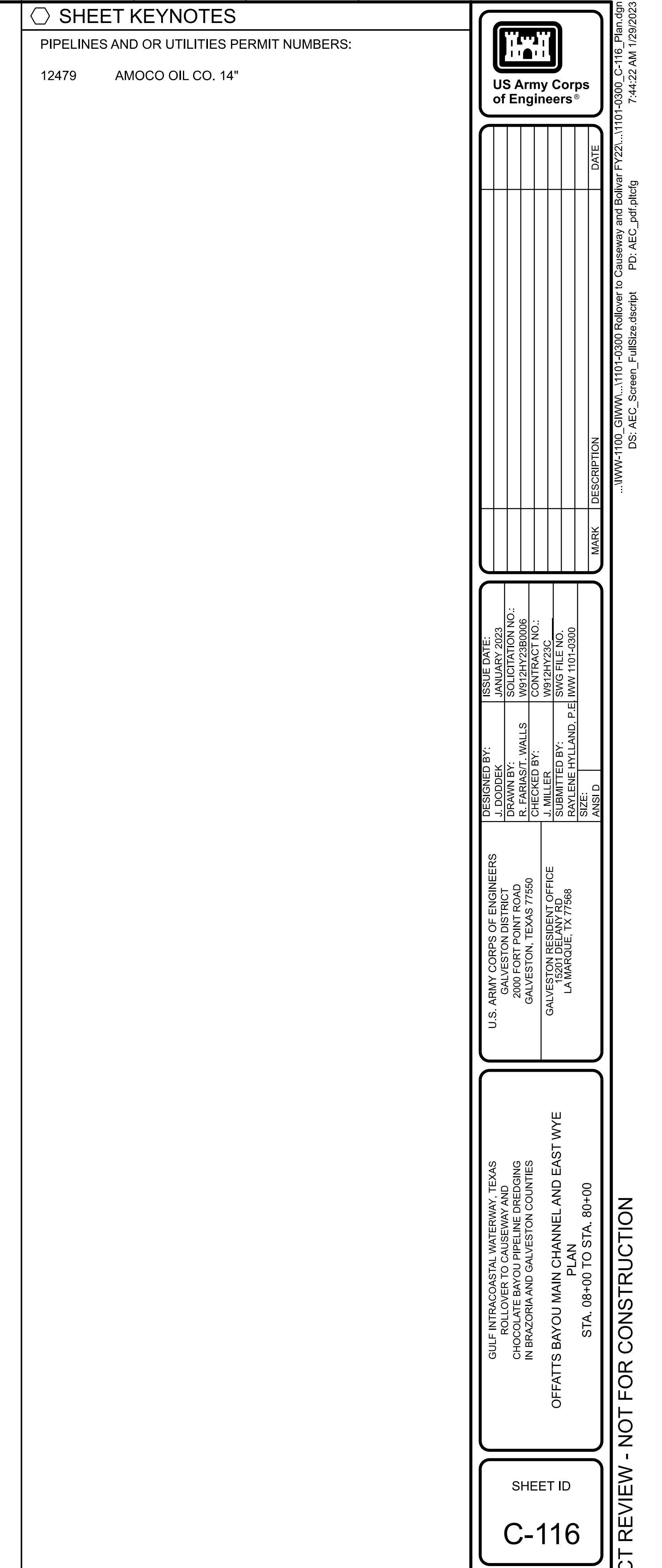
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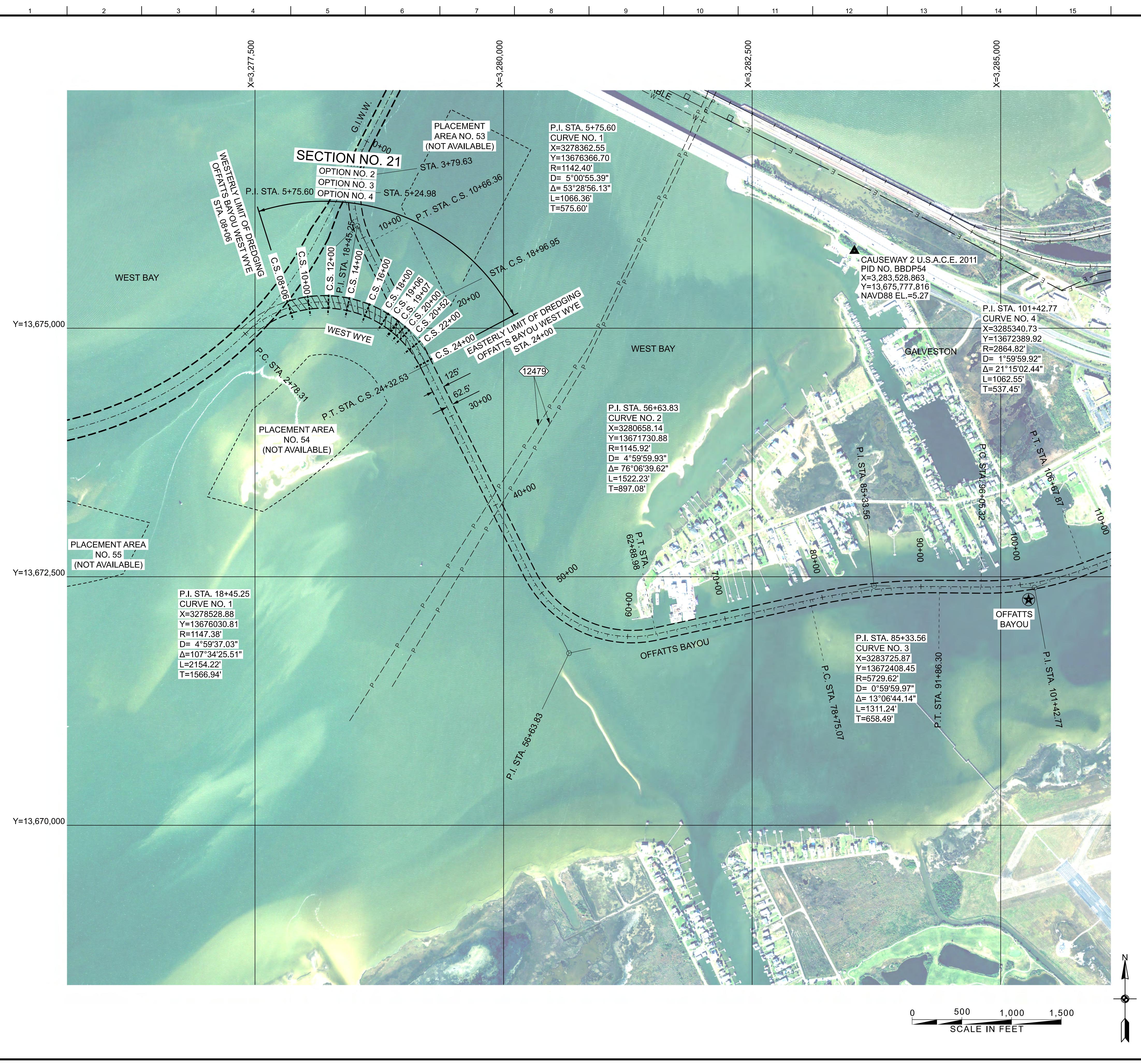
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CONSTRUCTION

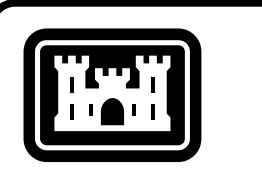




SHEET KEYNOTES

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12479 AMOCO OIL CO. 14"



**US Army Corps
of Engineers®**

130

130

U.S. ARMY CORPS OF ENGINEERS		ISSUE DATE: JANUARY 2023
GALVESTON DISTRICT 2000 FORT POINT ROAD GALVESTON, TEXAS 77550		SOLICITATION NO.: W912HY23B0006
GALVESTON RESIDENT OFFICE 15201 DELANY RD LA MARQUE, TX 77568		CONTRACT NO.: W912HY23C
DESIGNED BY: J. DODDEK	DRAWN BY: R. FARIAST, WALLS	CHECKED BY: J. MILLER
SUBMITTED BY: RAYLENE HYLLAND, P.E.	SWG FILE NO.: IWW 1101-0300	SIZE: ANSI D

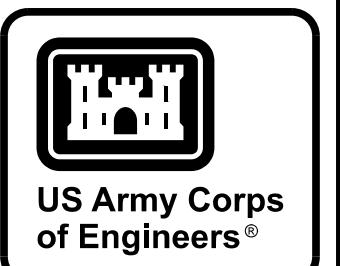
**GULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES**

**OFFATT'S BAYOU WEST WYE
PLAN**

STA. 08+06 TO STA. 24+00

SHEET ID
C-117

CT REVIEW - NOT FOR CONSTRUCTION

US Army Corps
of Engineers®SHEET ID
C-118GULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BROWARD AND GALVESTON COUNTIES
NORTH FERRY CHANNEL
PLAN
STA. -0+30 TO STA. 10+00

...WW-1100_GWW..1101-0300_Rollover to Causeway and Bolivar F...22..\\1101-0300_C-118_Plan.C-118.dwg

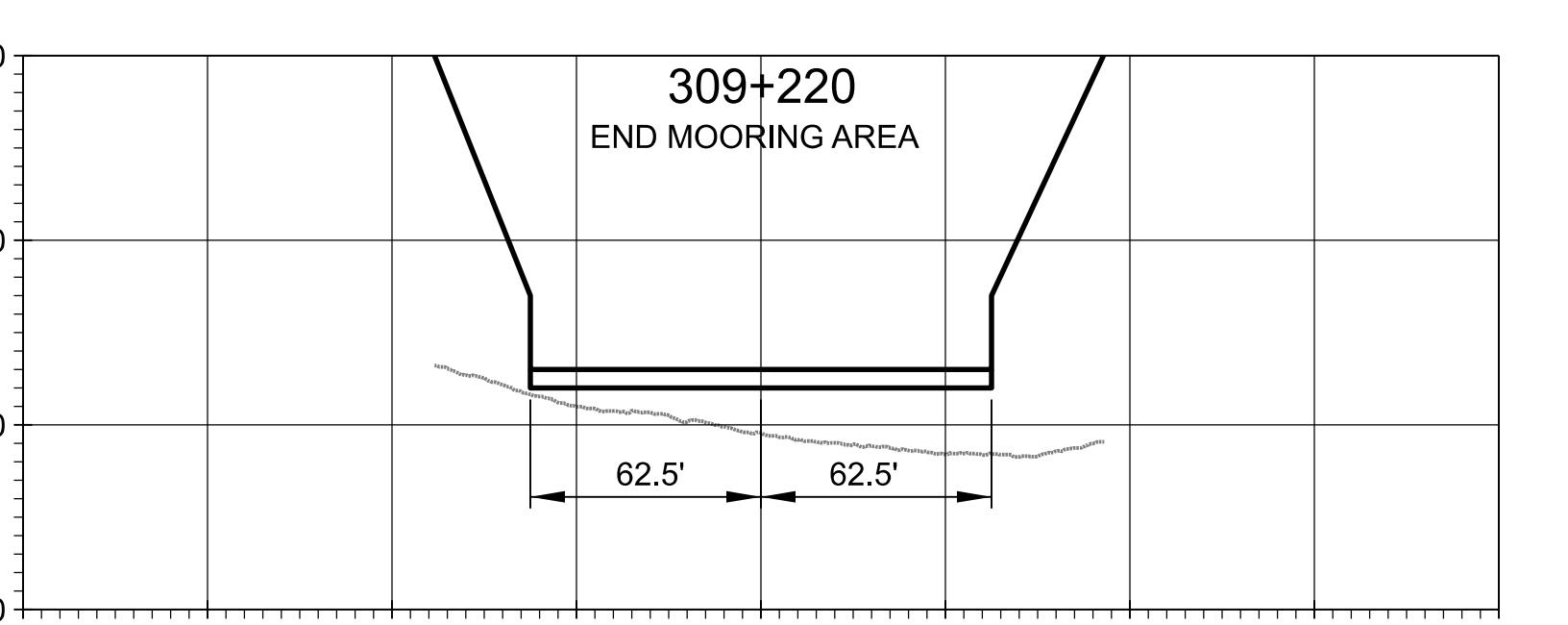
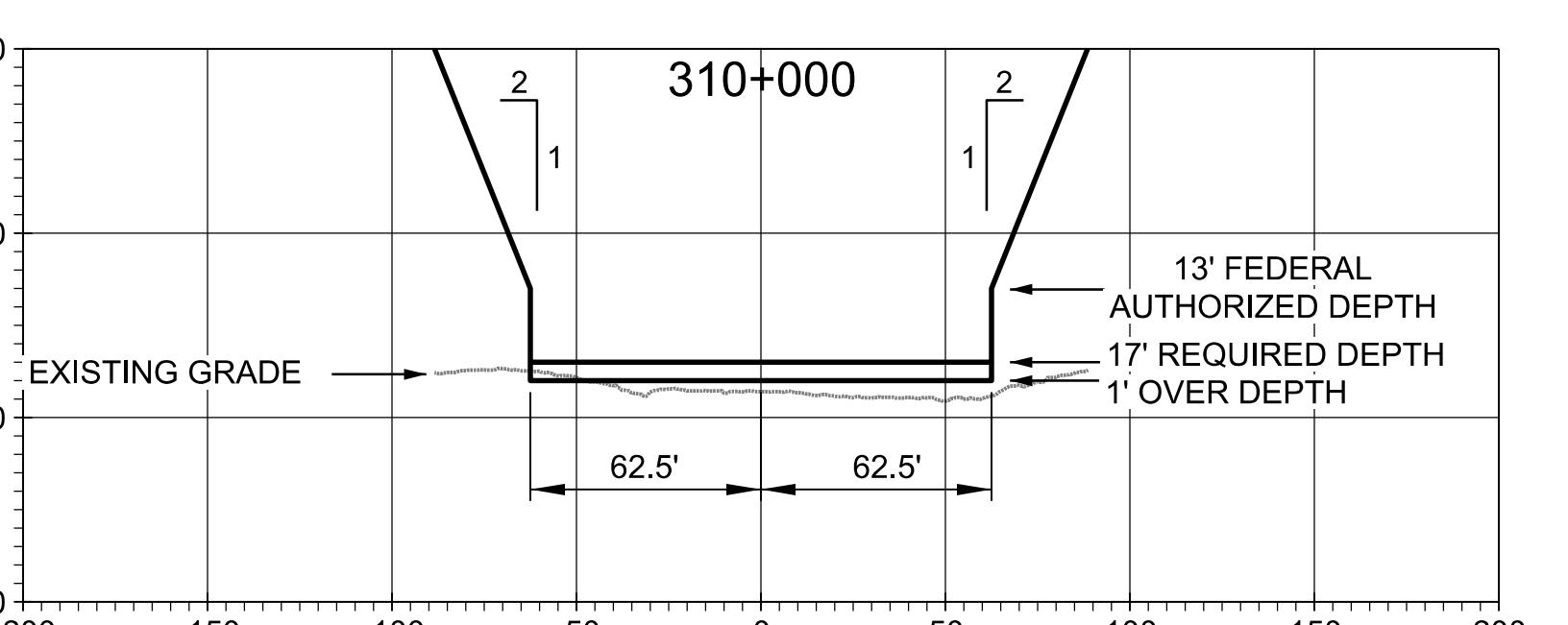
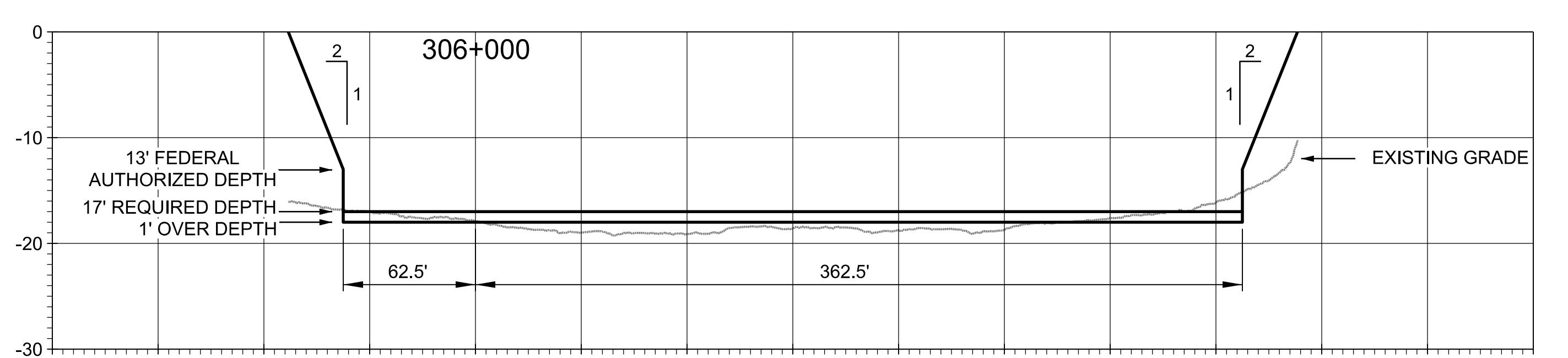
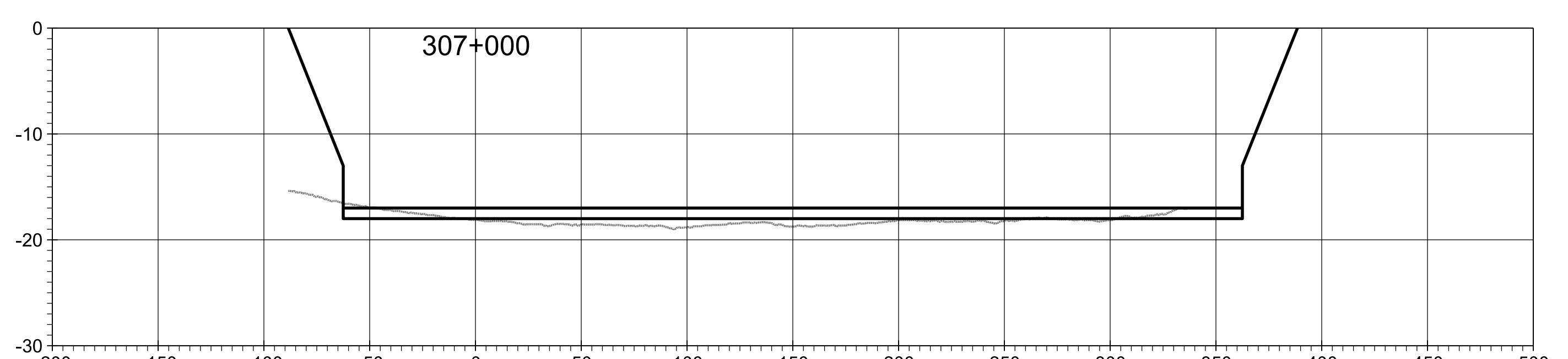
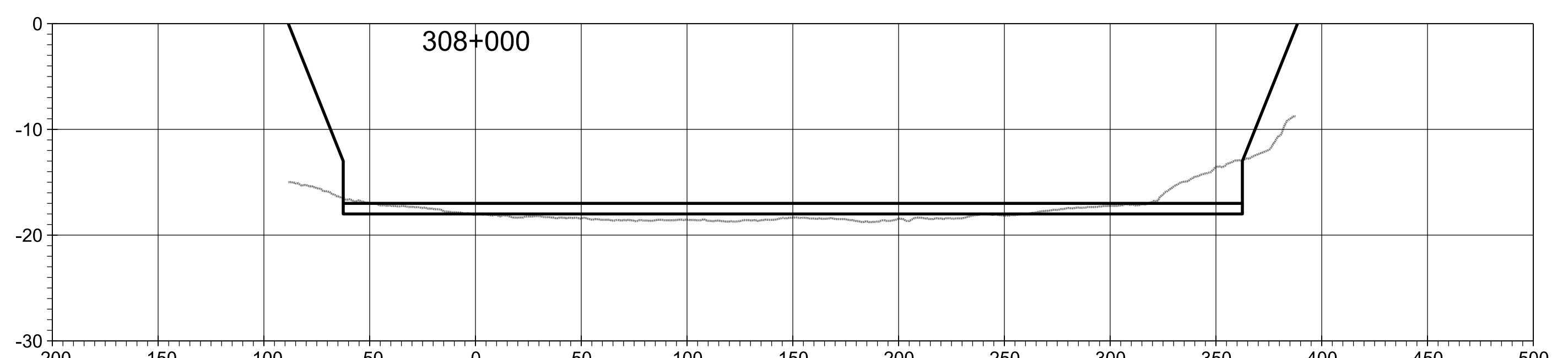
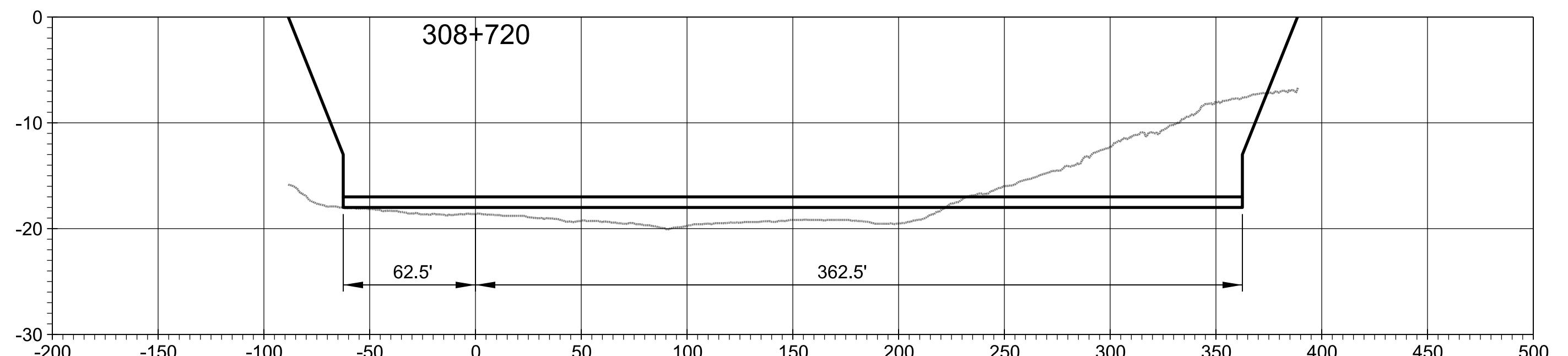
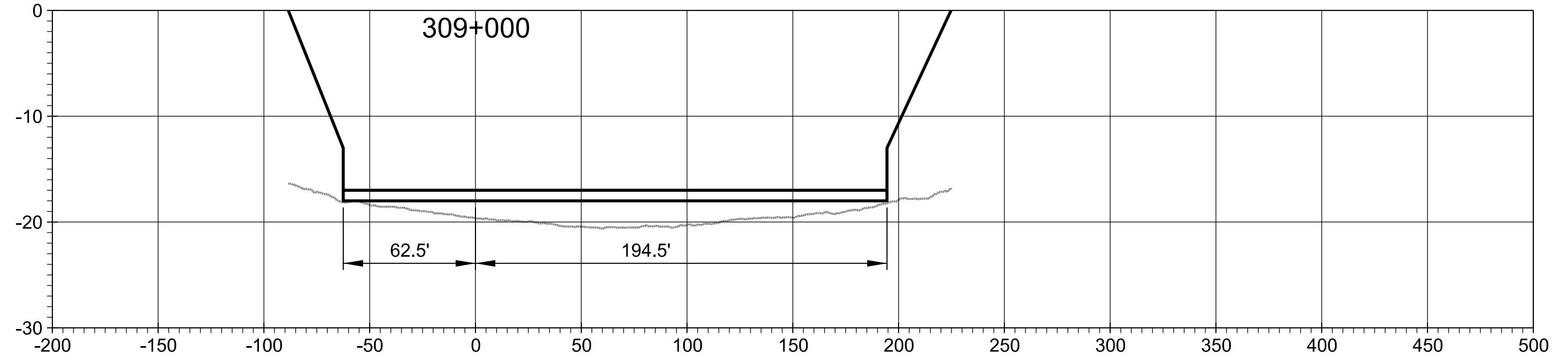
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GENERAL SHEET NOTES

1. SURVEY DATE - FEBRUARY 2022

US Army Corps
of Engineers®C:\303\ign
7:45:07 AM 12/29/2023

0'
10'
20'

0'
50'
100'

SHEET ID
C-303
CT REVIEW - NOT FOR CONSTRUCTION

GULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES

GALVESTON RESIDENT OFFICE
15201 DELANY RD
LA MARQUE, TX 77568

CROSS SECTIONS
STA. 306+00 TO STA. 310+000

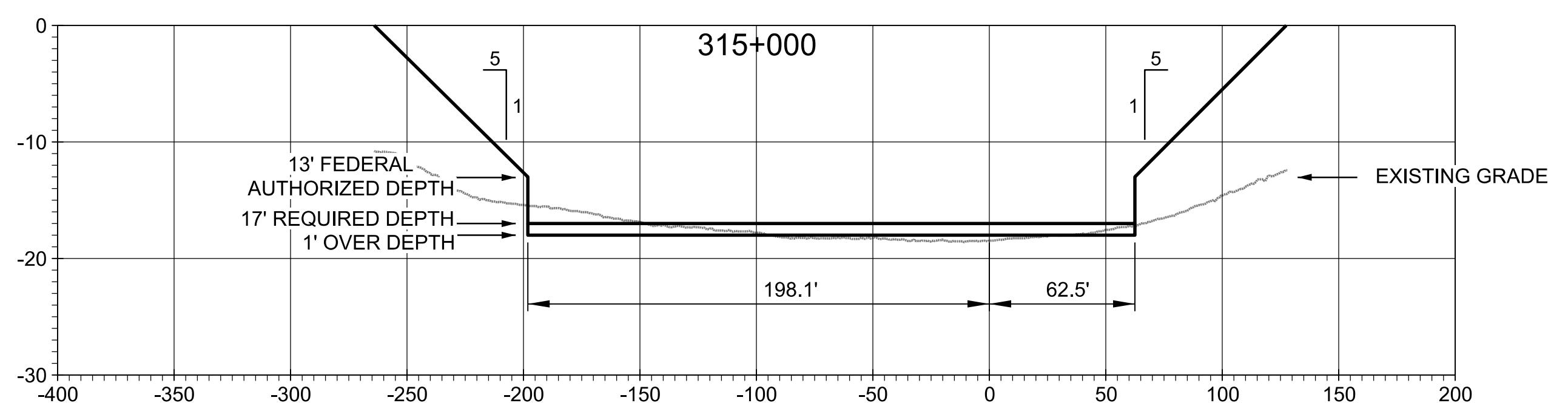
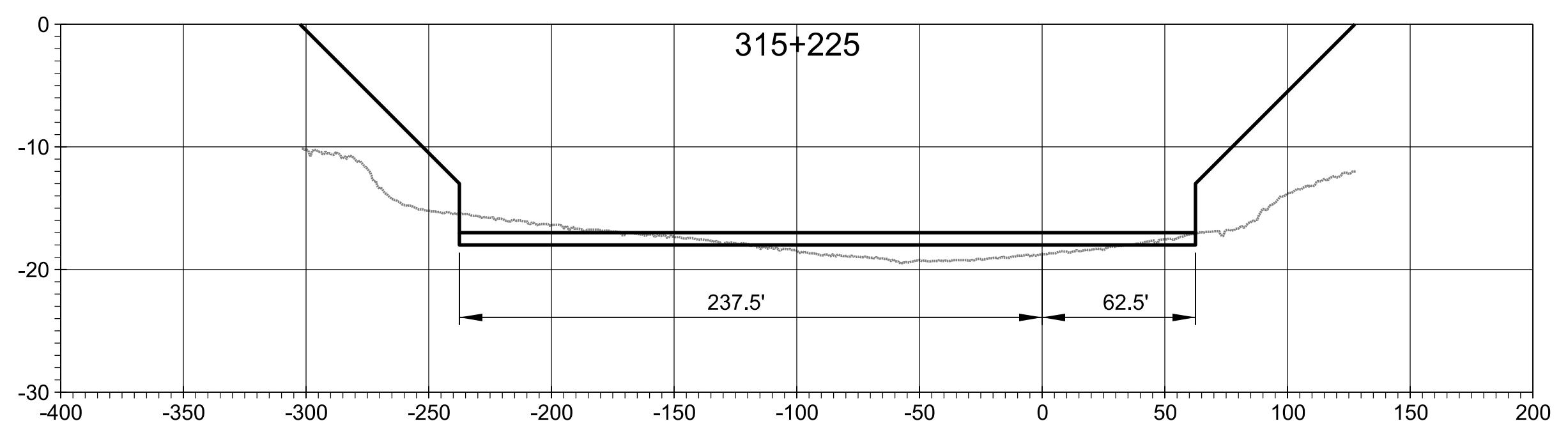
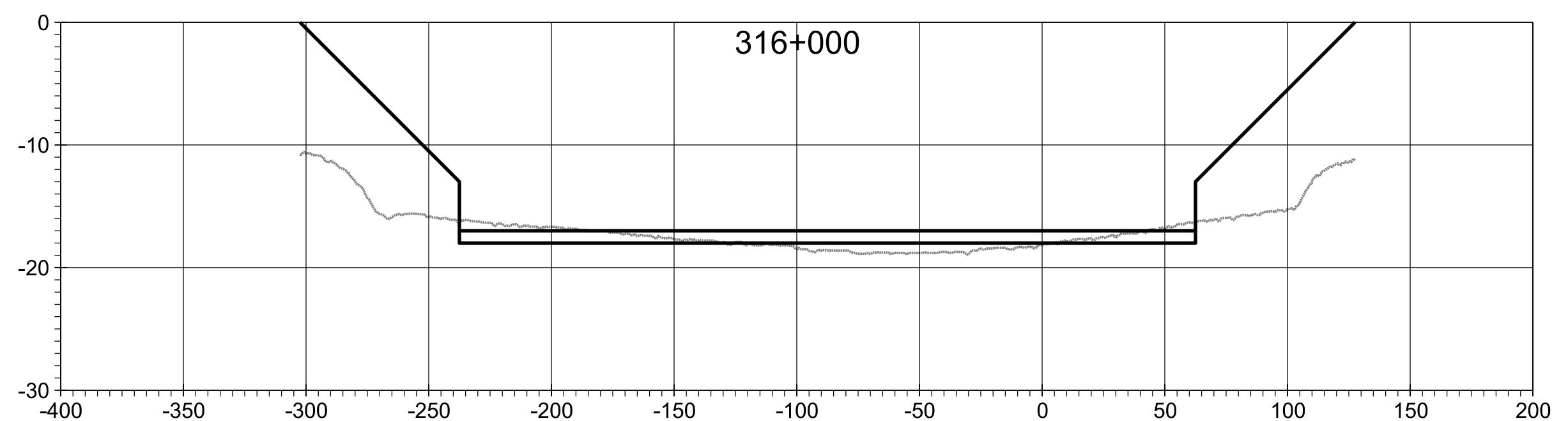
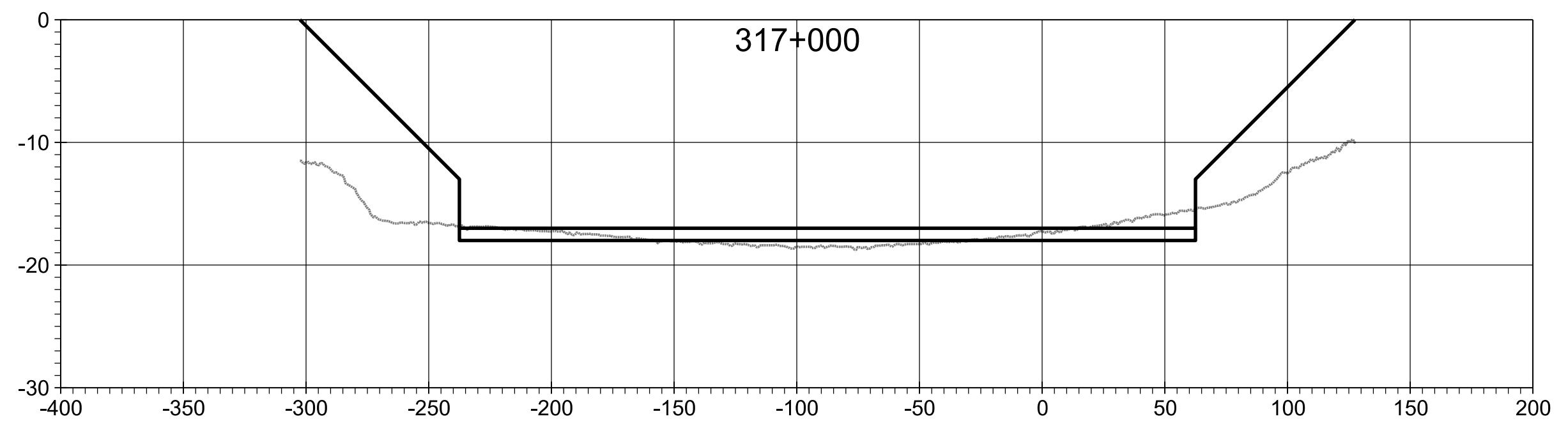
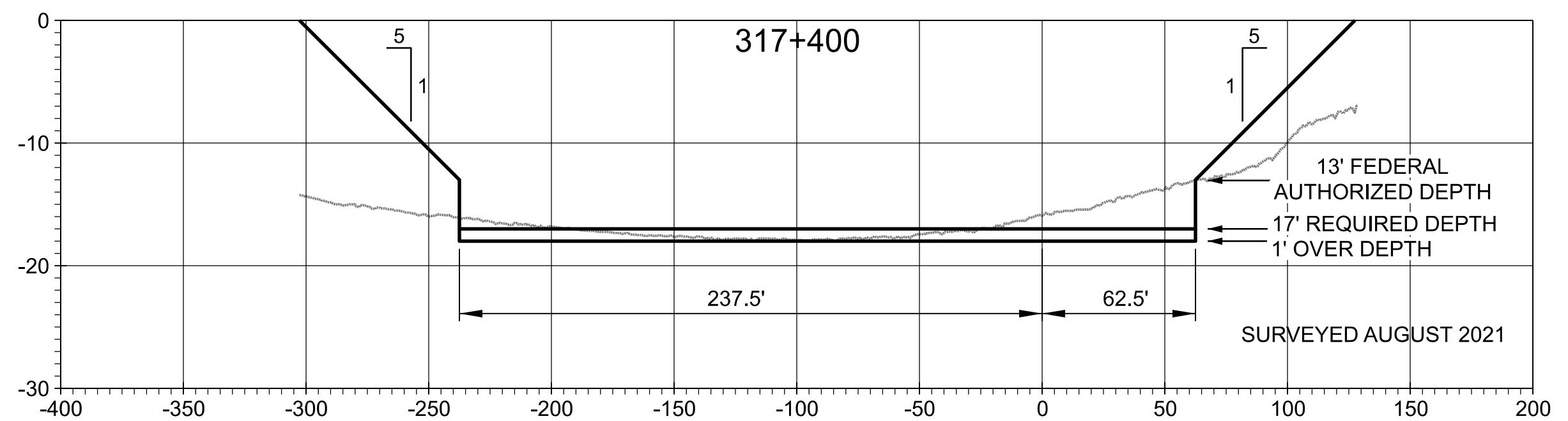
U.S. ARMY CORPS OF ENGINEERS
GALVESTON DISTRICT
2000 FORT POINT ROAD
GALVESTON, TEXAS 77550
CONTRACT NO.:
W912HY23B0006
SWG FILE NO.:
W912HY23C
SUBMITTED BY:
RAYLENE HYLAND, P.E.
SIZE: IWW 1101-0300
ANSI D

MARK DESCRIPTION
...IWW-1101_GIWW...1101-0300_Rollover to Causeway and Bolivar Pt.FY23...1101-0300_C-303.ign
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PD: AEC.pdf.ptcig
DATE

1. SURVEY DATE - FEBRUARY 2022
2. DATE

GENERAL SHEET NOTES

1. SURVEY DATE - FEBRUARY 2022

US Army Corps
of Engineers®C-304.lgn
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HORIZONTAL

SHEET ID

C-304

CT REVIEW - NOT FOR CONSTRUCTION

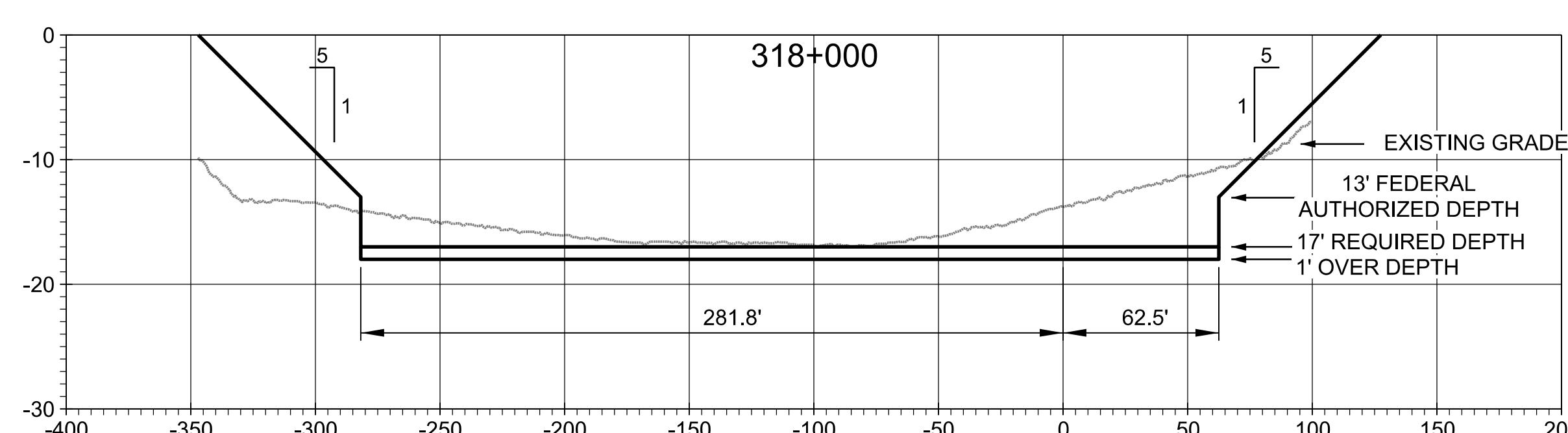
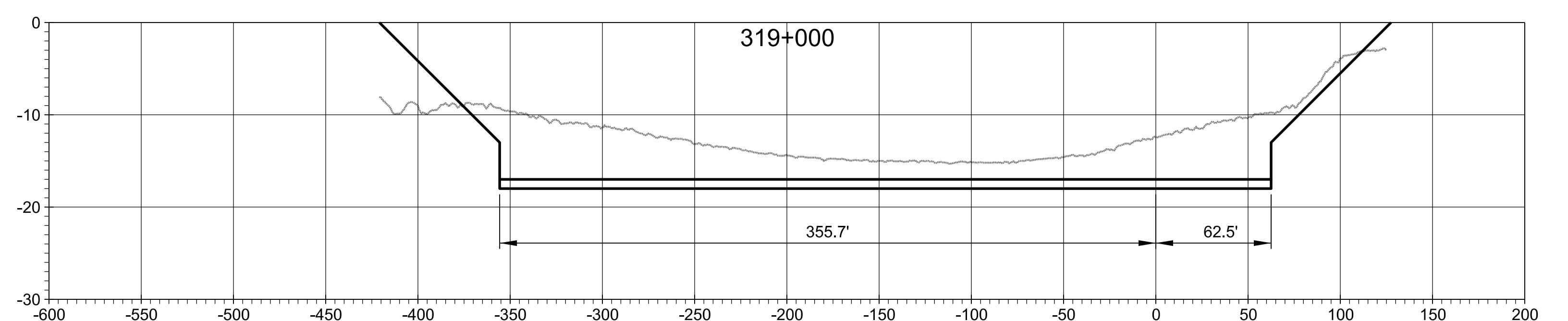
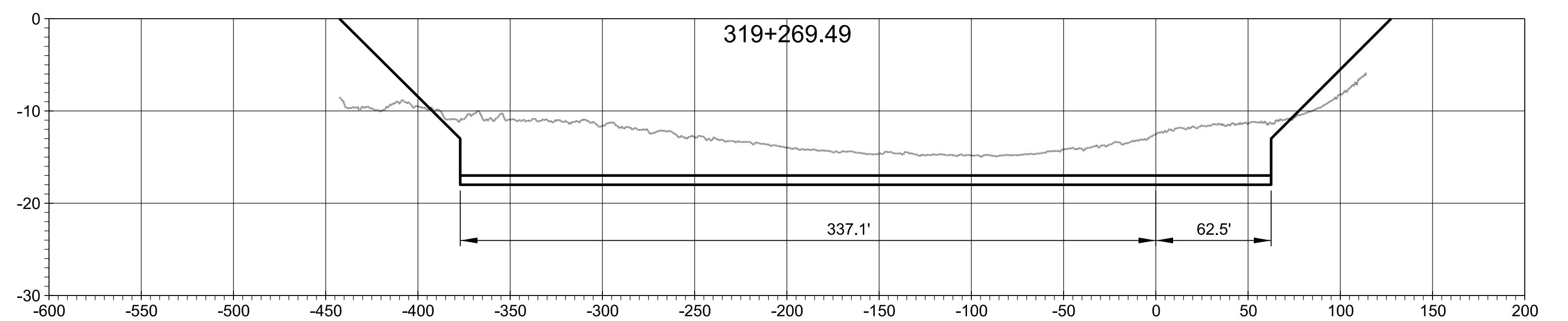
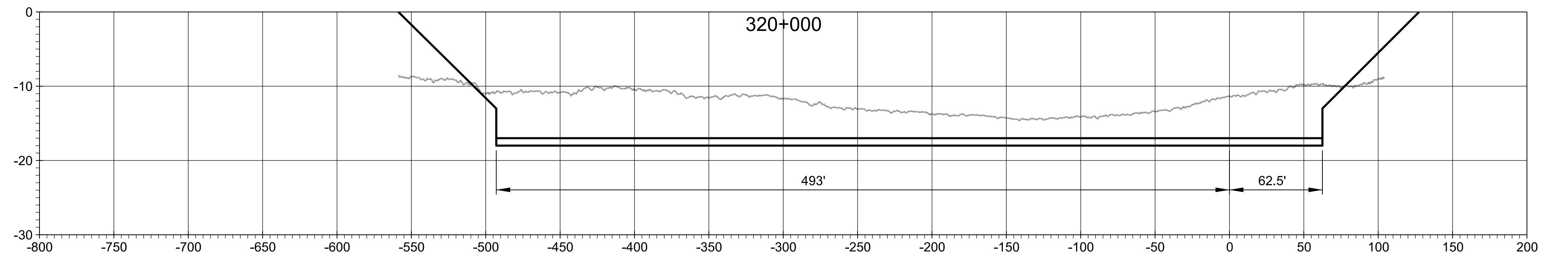
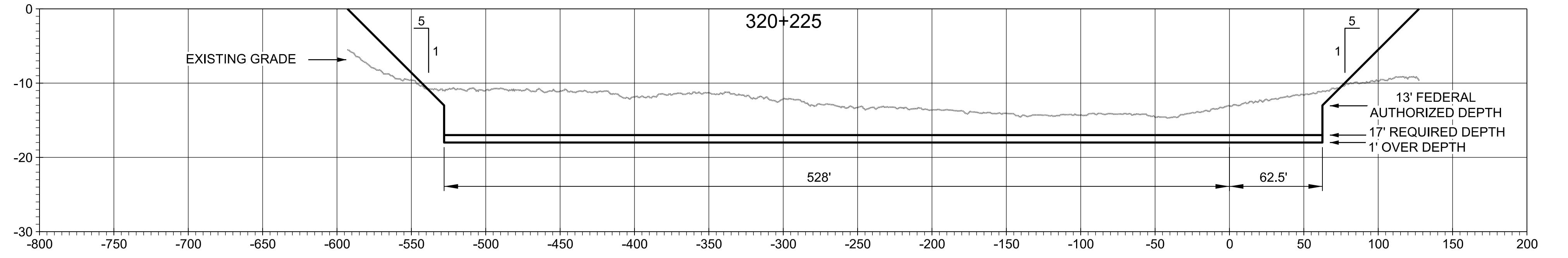
U.S. ARMY CORPS OF ENGINEERS	DESIGNED BY:	J. DOODEK	ISSUE DATE:	JANUARY 2023
GALVESTON DISTRICT	DRAWN BY:	R. FARISI, WALLS	SOLICITATION NO.:	W912HY23B006
2000 FORT POINT ROAD	CHECKED BY:	J. MILLER	CONTRACT NO.:	W912HY23C
GALVESTON, TEXAS 77550	SUBMITTED BY:	RAYLENE HYLAND, P.E.	SWG FILE NO.:	IWW 1101-0300
GALVESTON RESIDENT OFFICE		LA MARQUE, TX 77568	SIZE:	ANSI D
15201 DELANY RD				

GULF INTRACOASTAL WATERWAY, TEXAS	
ROLLOVER TO CAUSEWAY AND	
CHOCOLATE BAYOU PIPELINE DREDGING	
IN BRAZORIA AND GALVESTON COUNTIES	
G.I.W.W.	
CROSS SECTIONS	
STA. 315+000 TO STA. 317+400	

...IWW-1100_GIWW...1101-0300_Rollover to Causeway and Bolivar FY22...1101-0300_C-304.lgn
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PD: AEC.pdf.ptcig

GENERAL SHEET NOTES

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US Army Corps
of Engineers®C-305.sgn
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HORIZONTAL

SHEET ID

C-305

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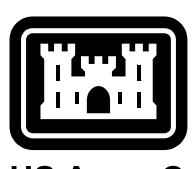
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GALVESTON DISTRICT	DRAWN BY:	R. FARISI, WALLS	SOLICITATION NO.:	W912HY23B0006
2000 FORT POINT ROAD	CHECKED BY:	J. MILLER	CONTRACT NO.:	W912HY23C
GALVESTON, TEXAS 77550	SUBMITTED BY:	RAYLENE HYLAND, P.E.	SWG FILE NO.:	IVWW 1101-0300
GALVESTON RESIDENT OFFICE				
15201 DELANY RD				
LA MARQUE, TX 77568				
				SIZE: ANSI D

GULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES
GIWW
CROSS SECTIONS
STA. 318+000 TO STA. 320+225

CT REVIEW - NOT FOR CONSTRUCTION

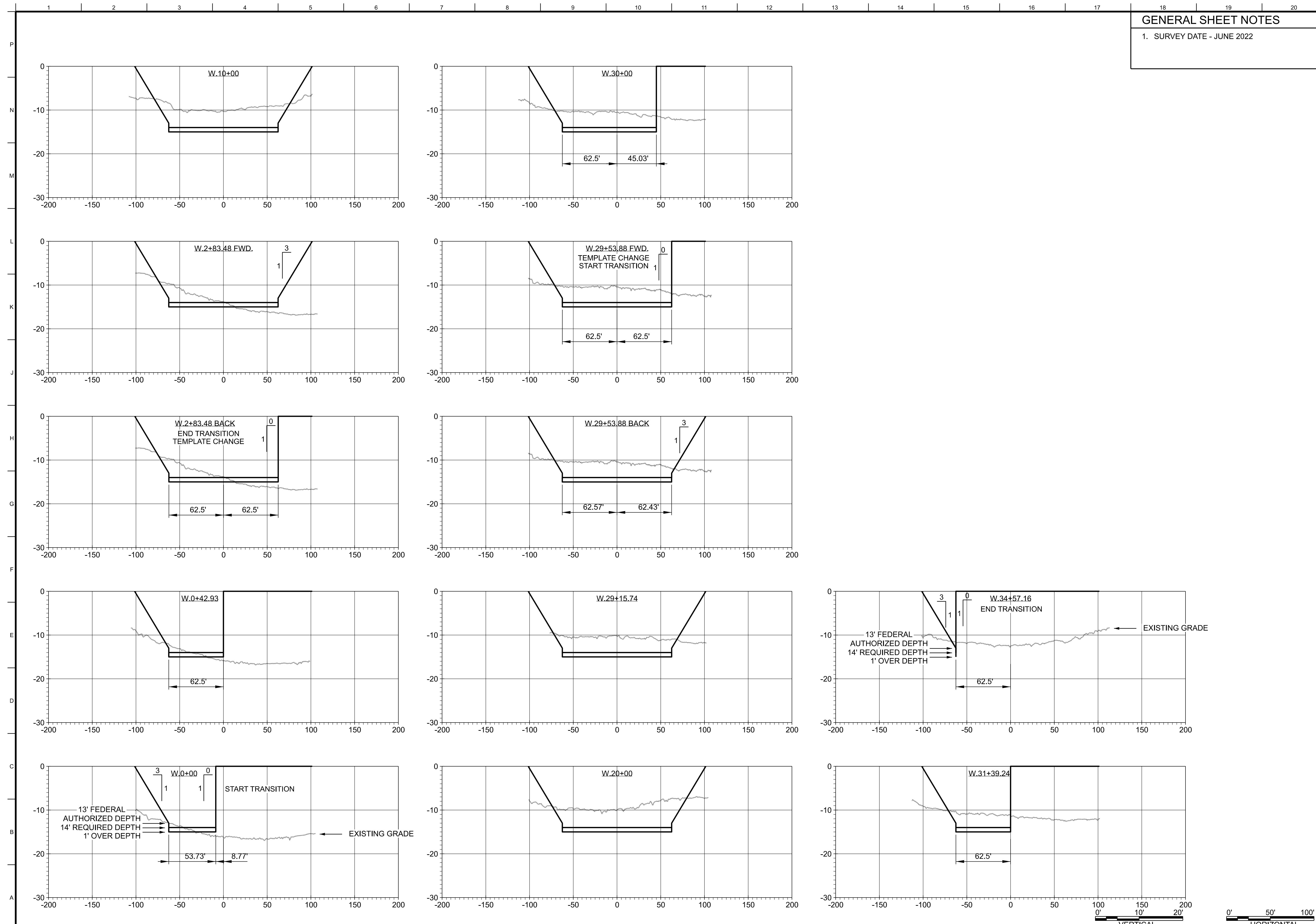
GENERAL SHEET NOTES

1. SURVEY DATE - JUNE 2022

US Army Corps
of Engineers®

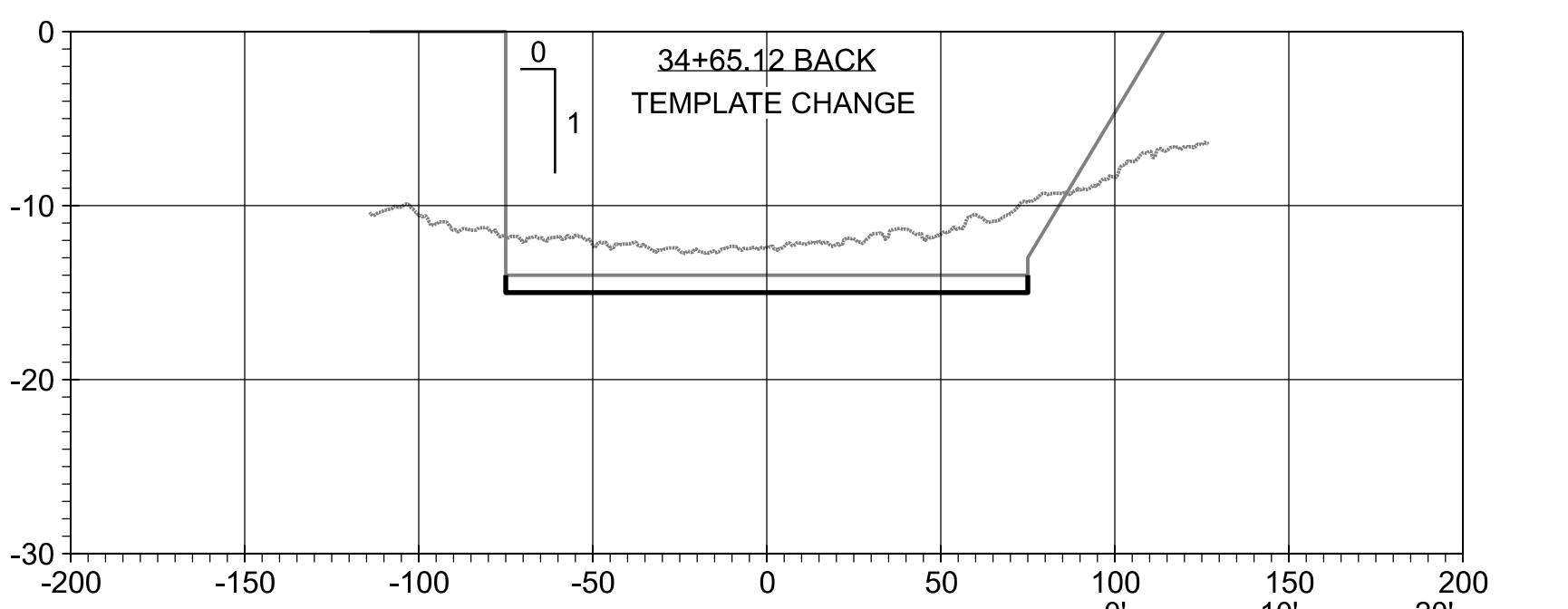
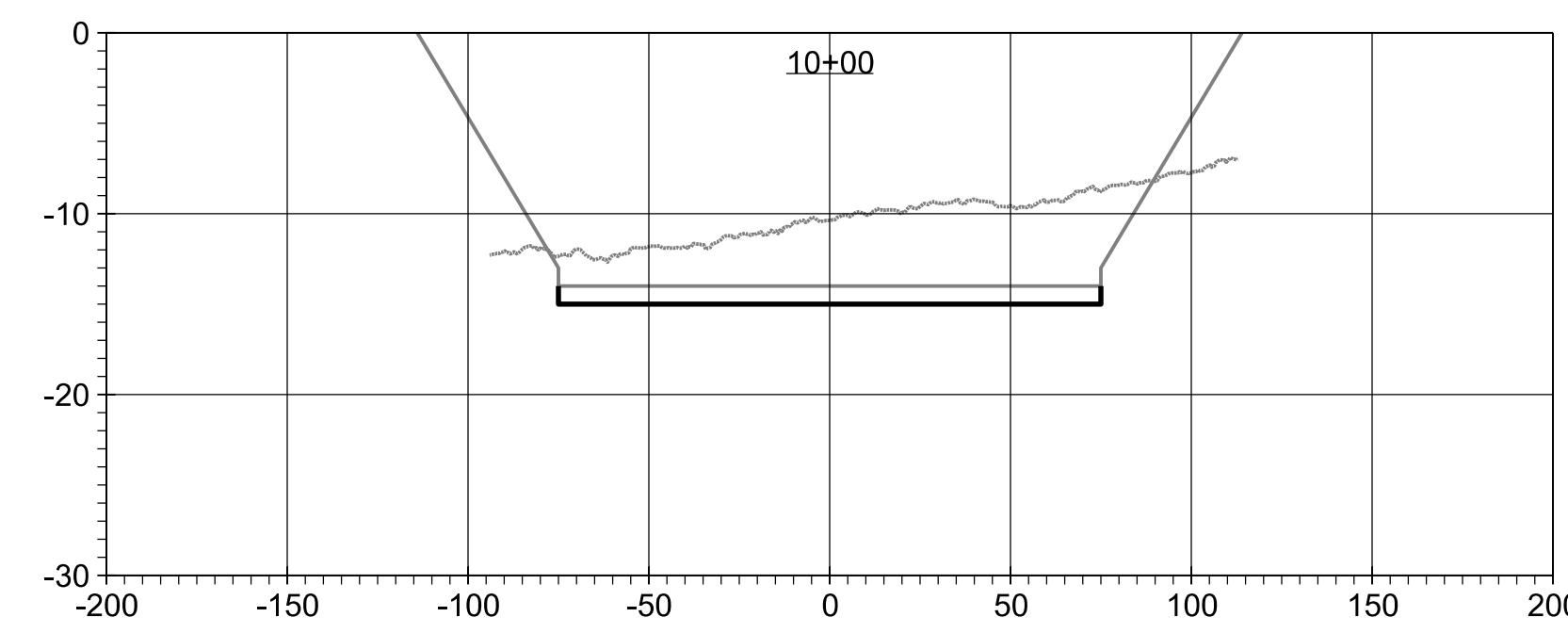
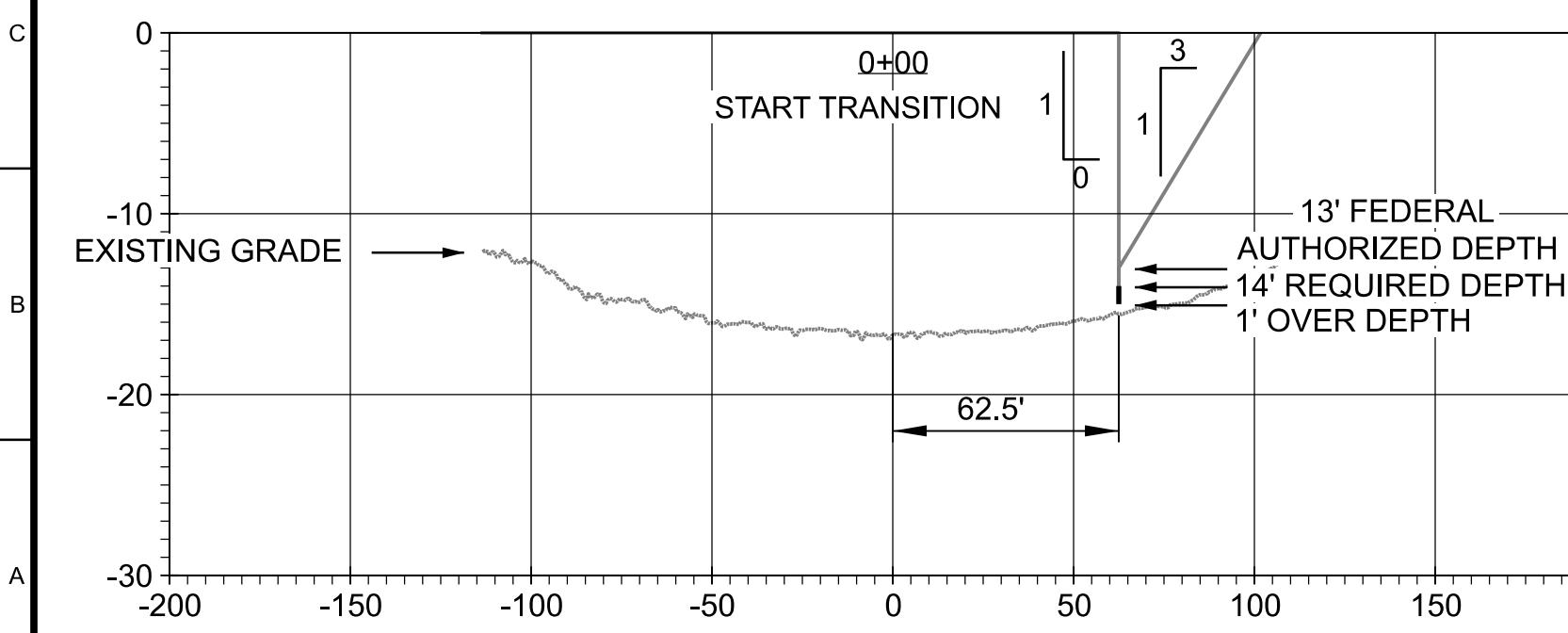
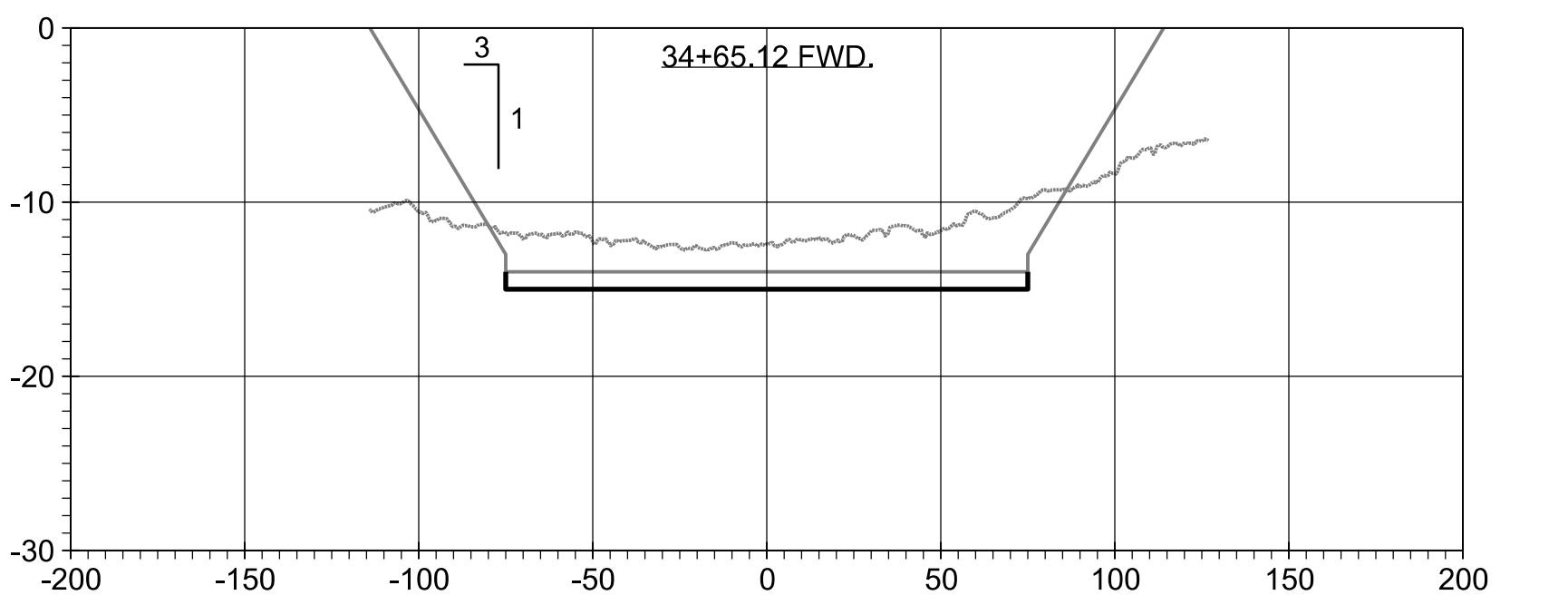
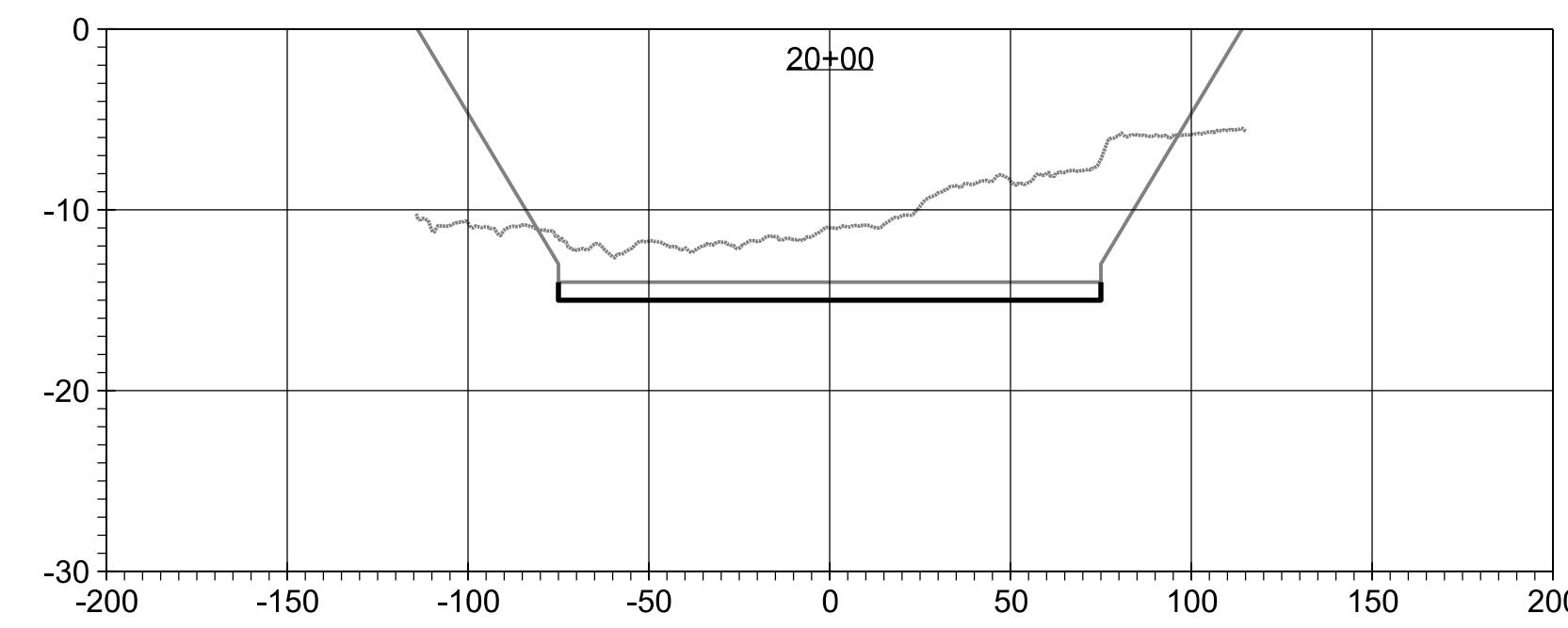
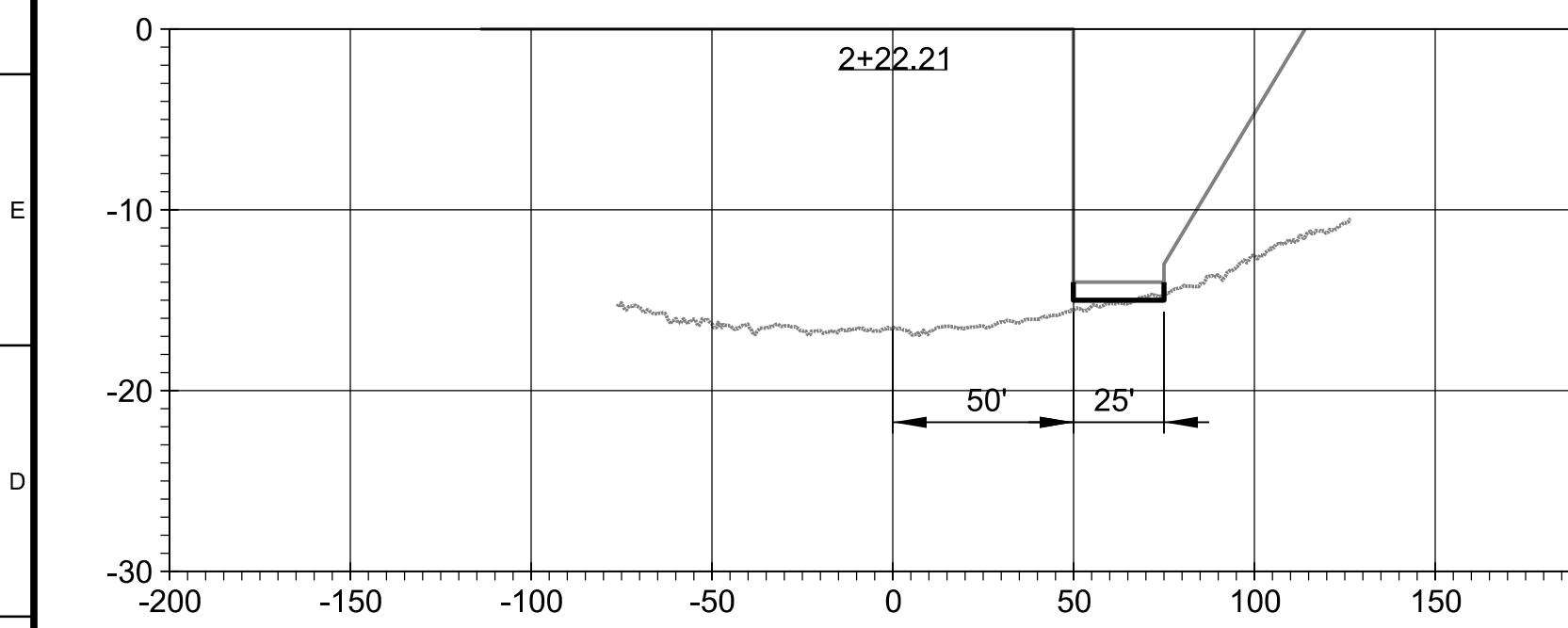
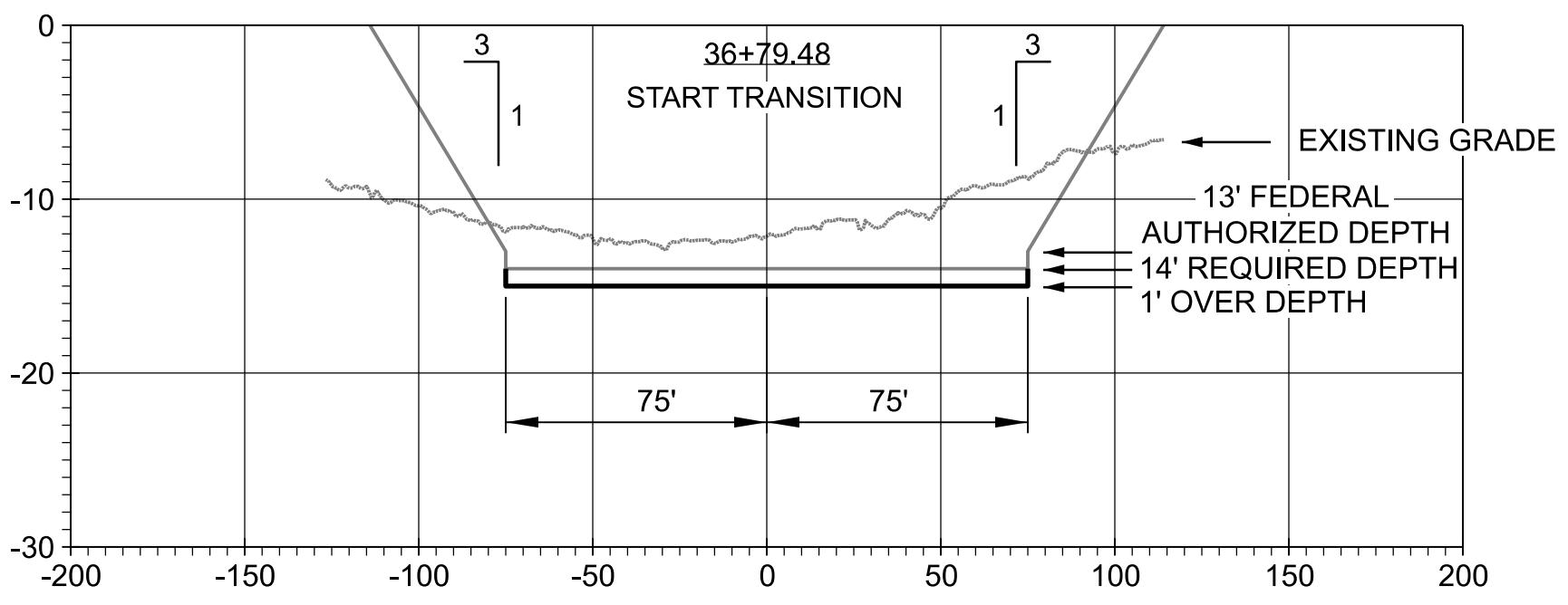
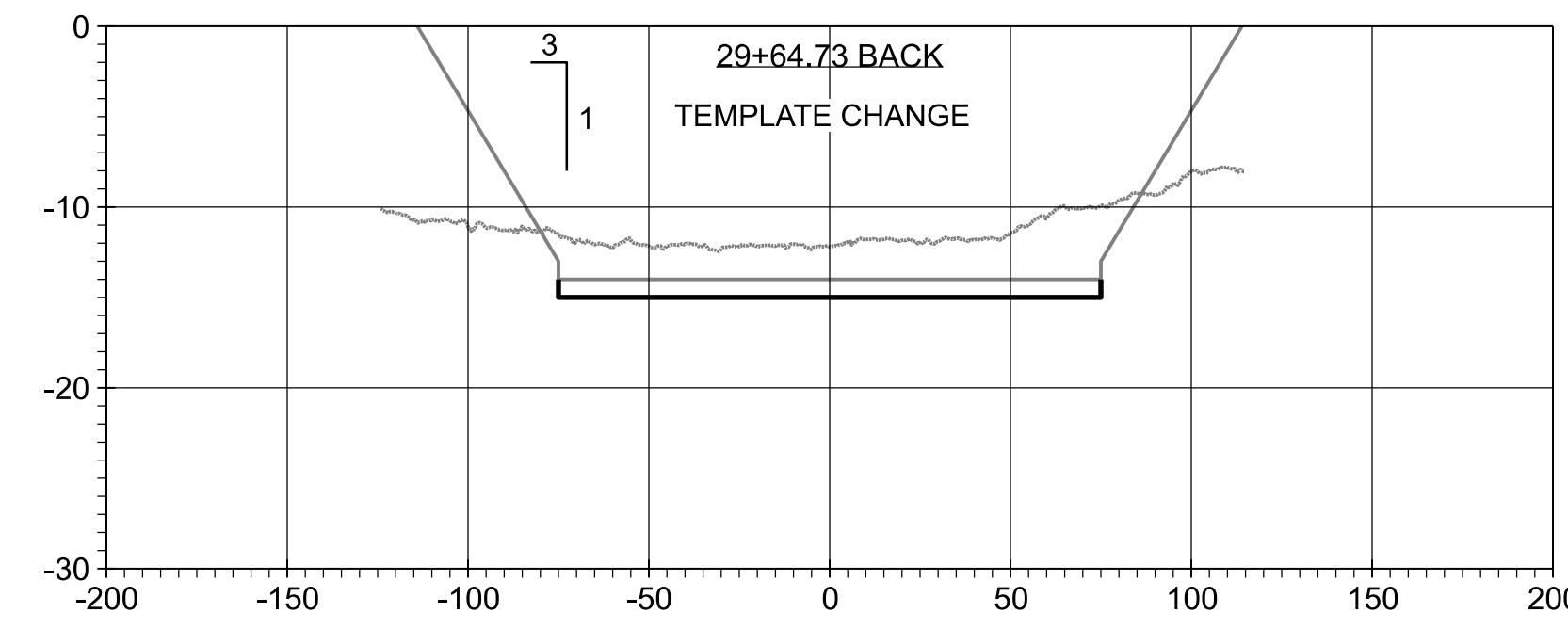
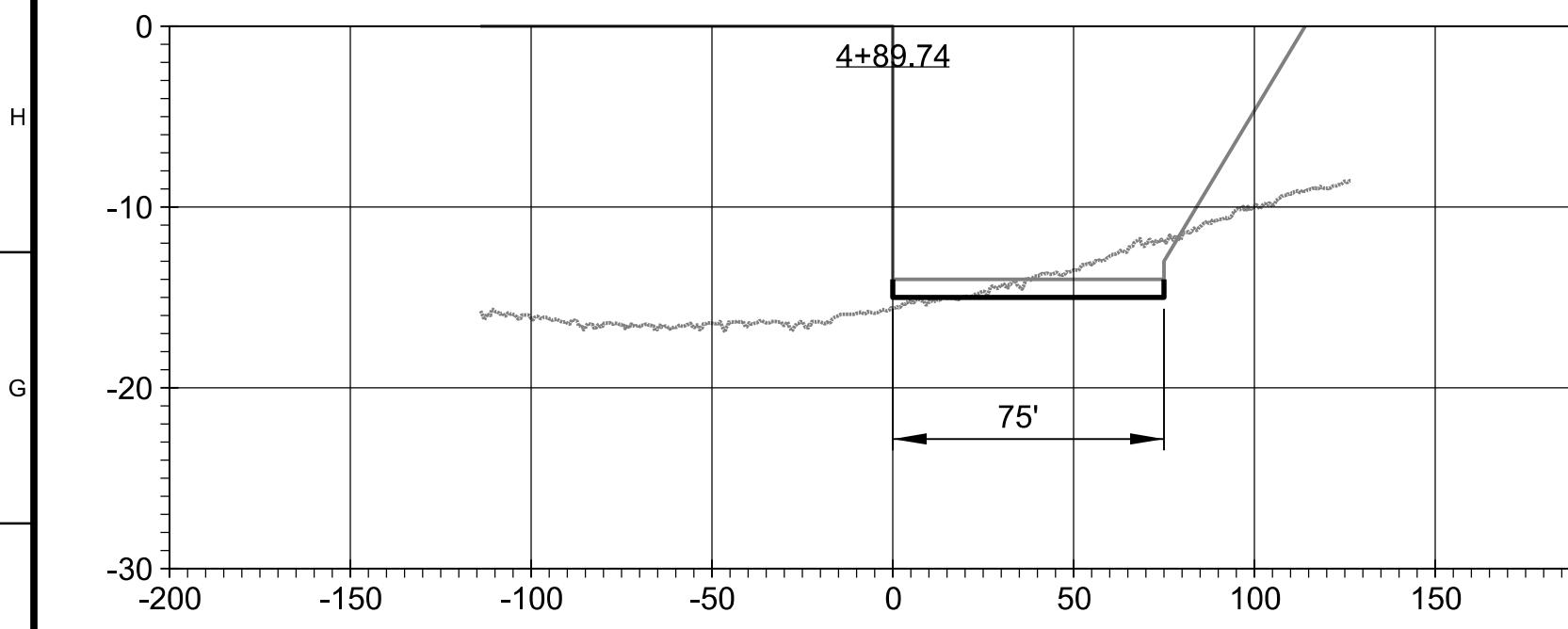
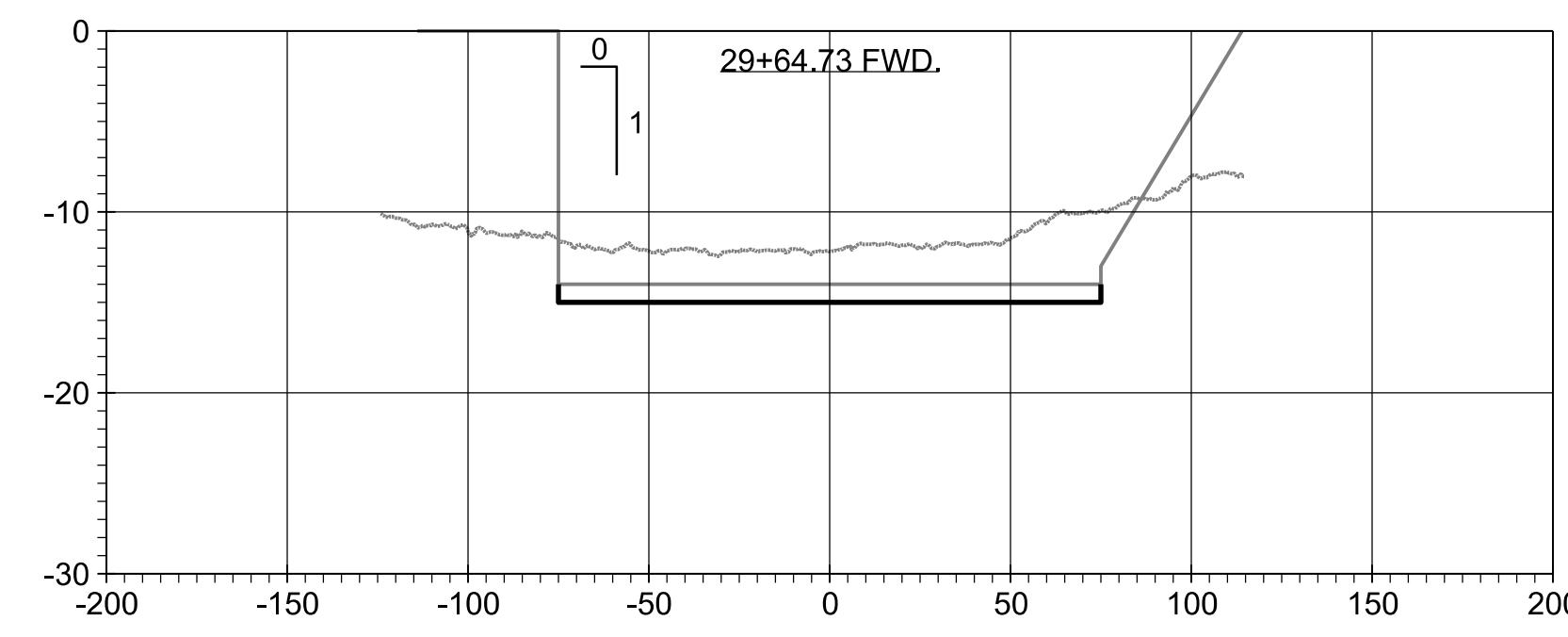
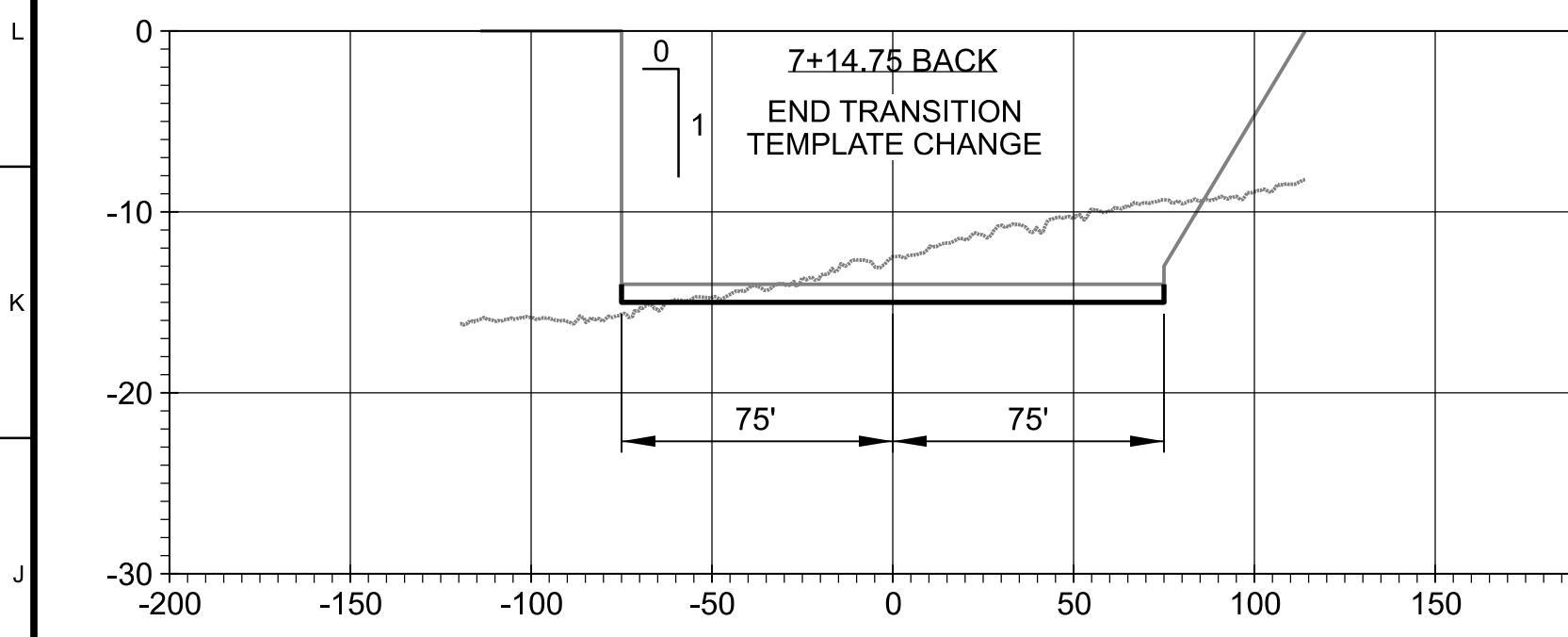
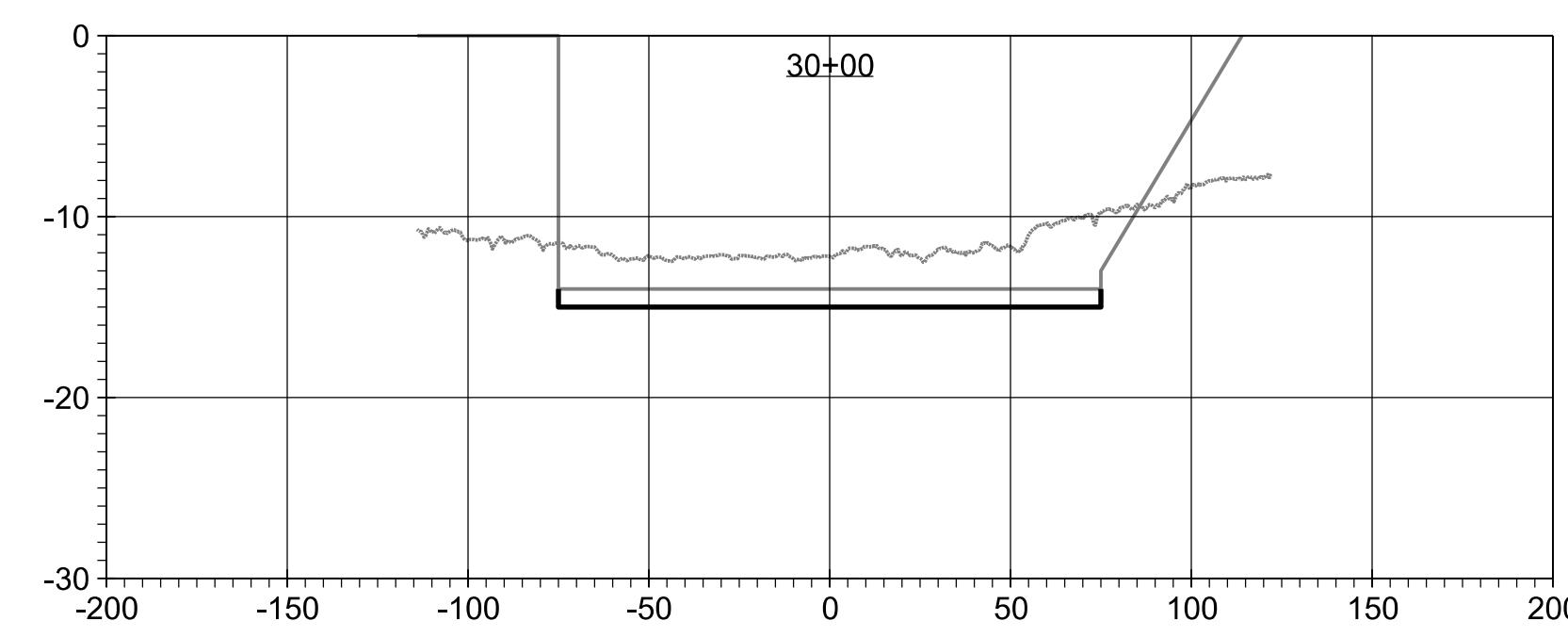
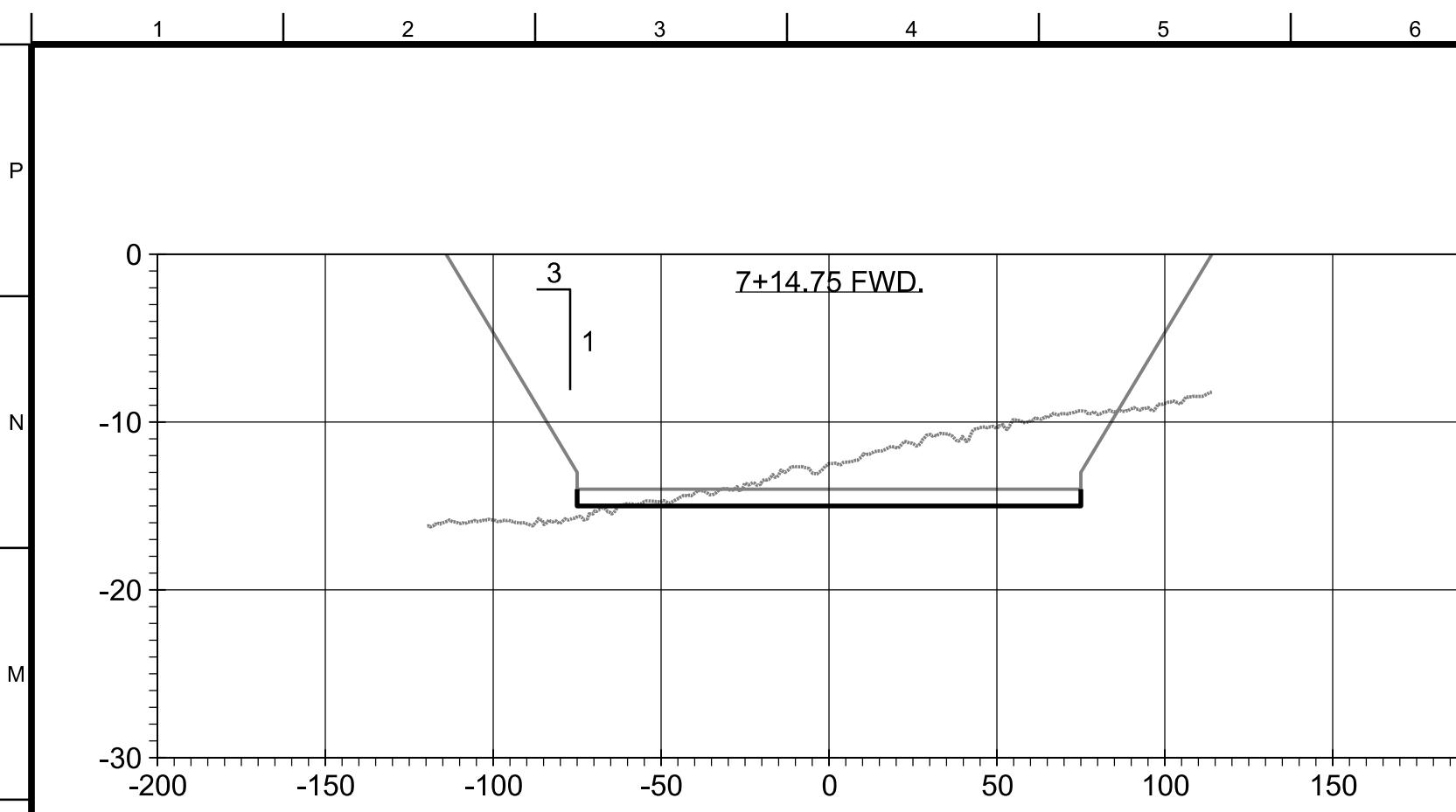
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GENERAL SHEET NOTES

1. SURVEY DATE - JUNE 2022

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of Engineers®C-308.lgn
7:45:24 AM 12/29/2023

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VERTICAL
HORIZONTAL

GULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAISSEY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES
CHOCOLATE BAYOU EAST WYE AND MAIN CHANNEL
CROSS SECTIONS
STA. 0+00 TO STA. 36+79.48

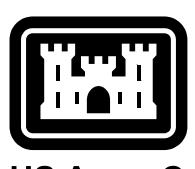
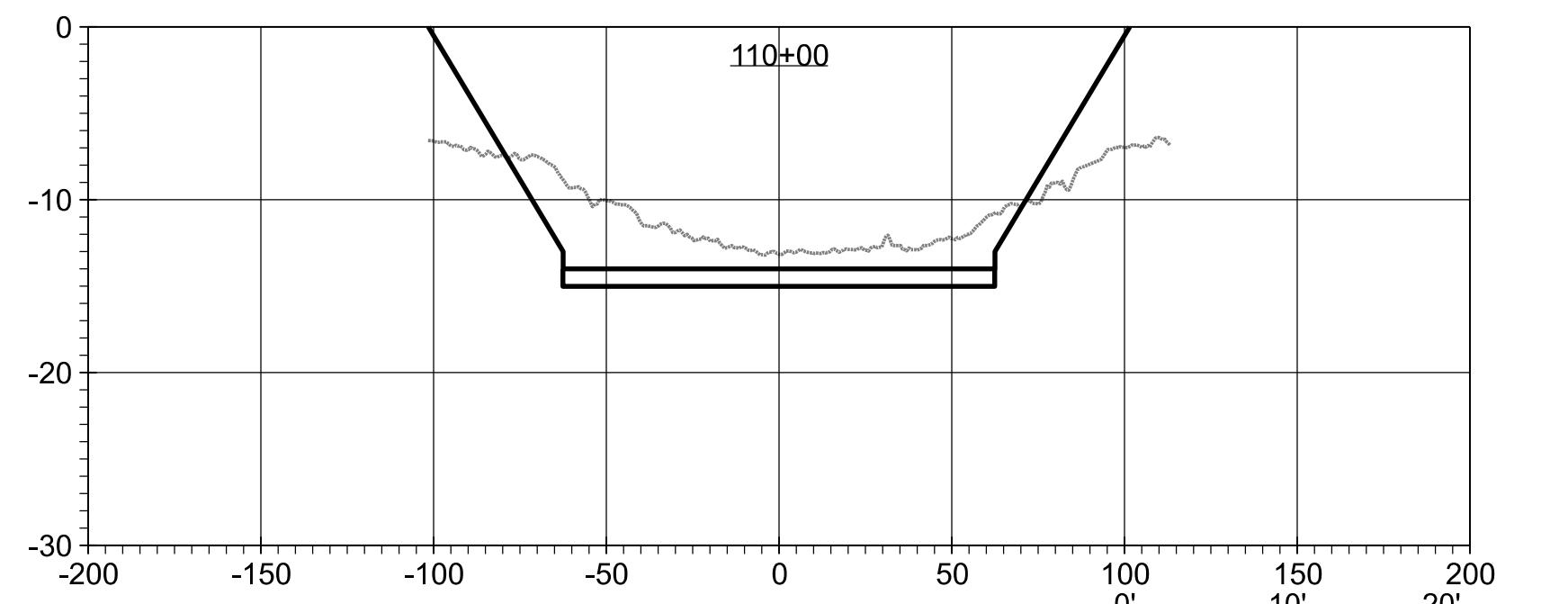
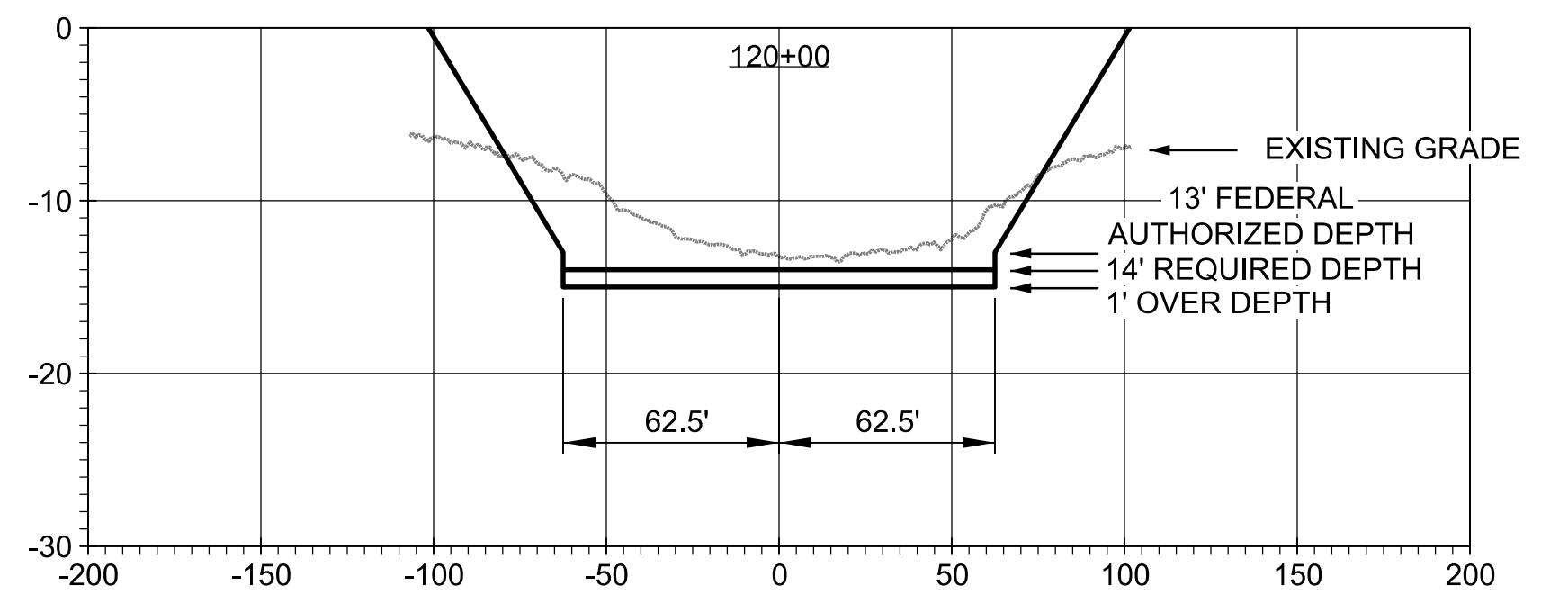
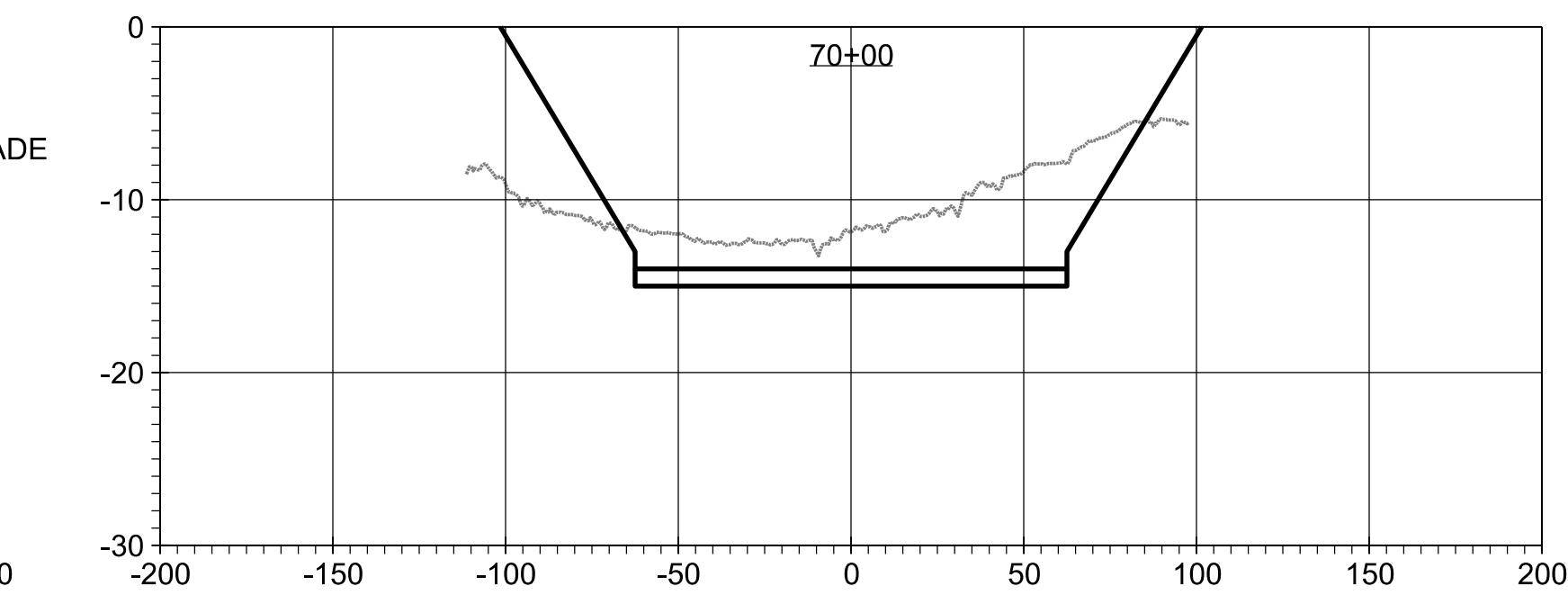
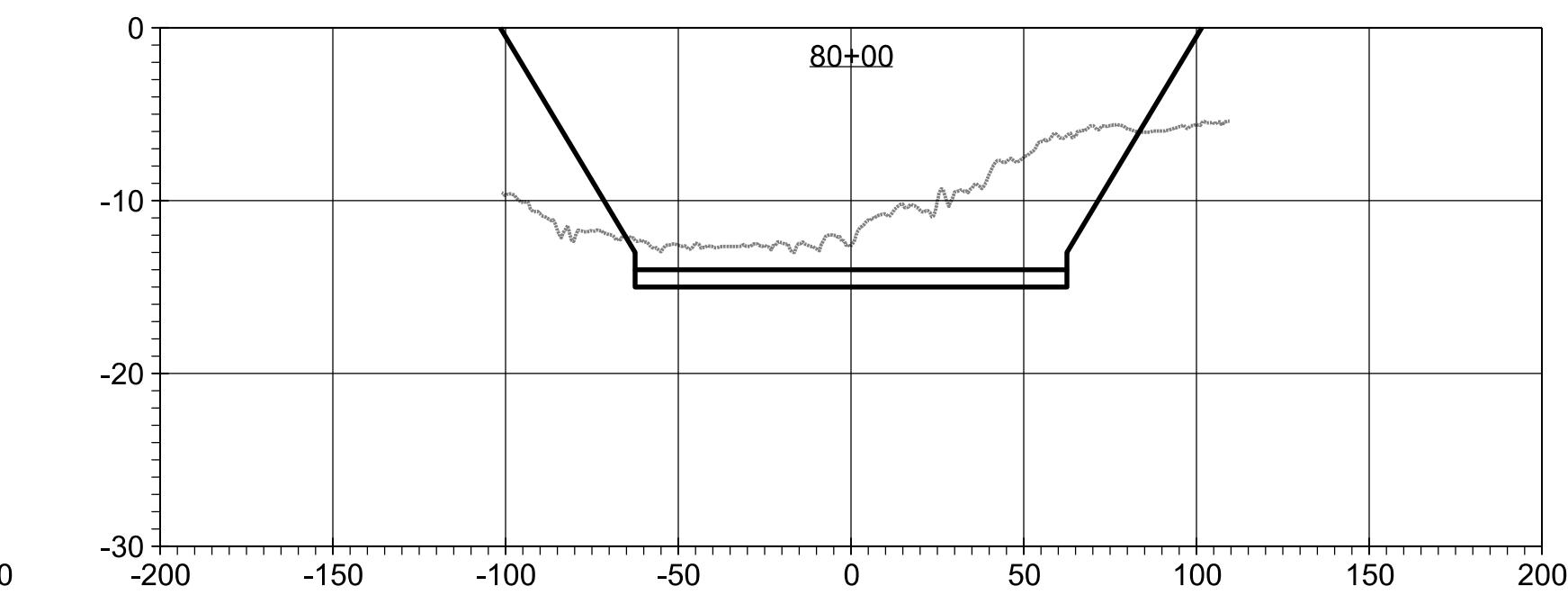
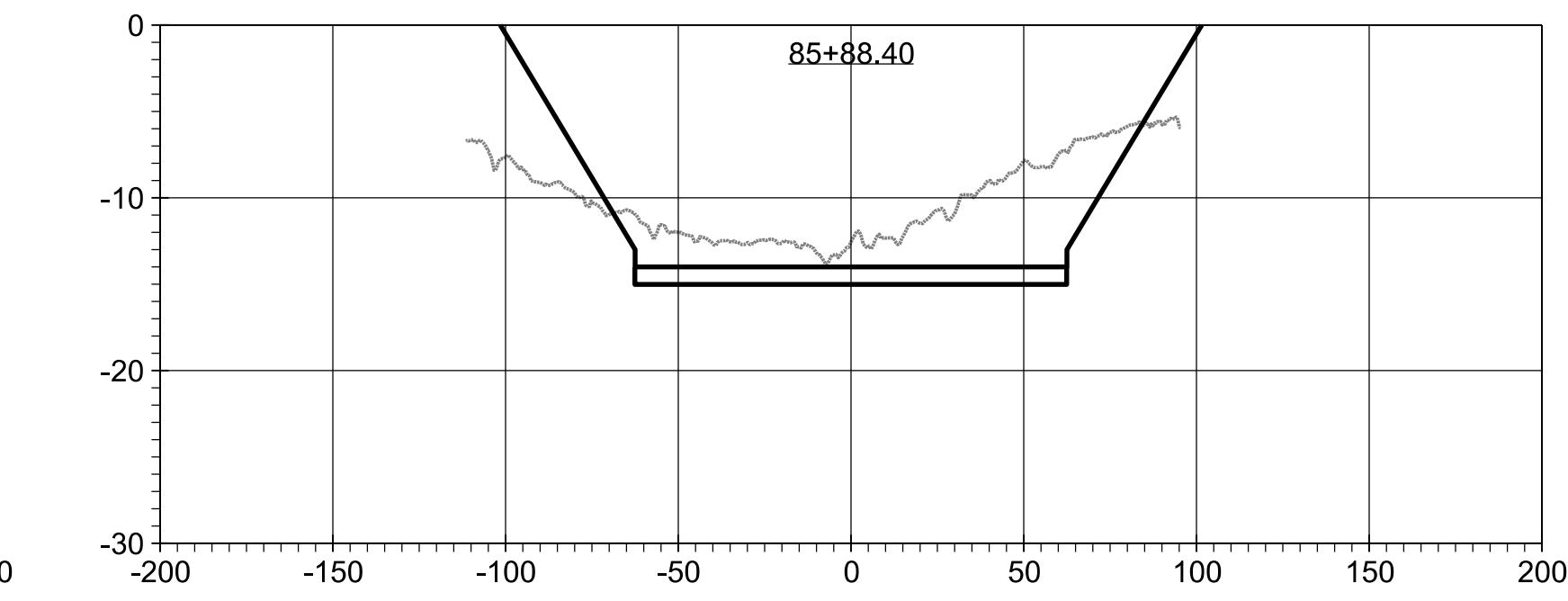
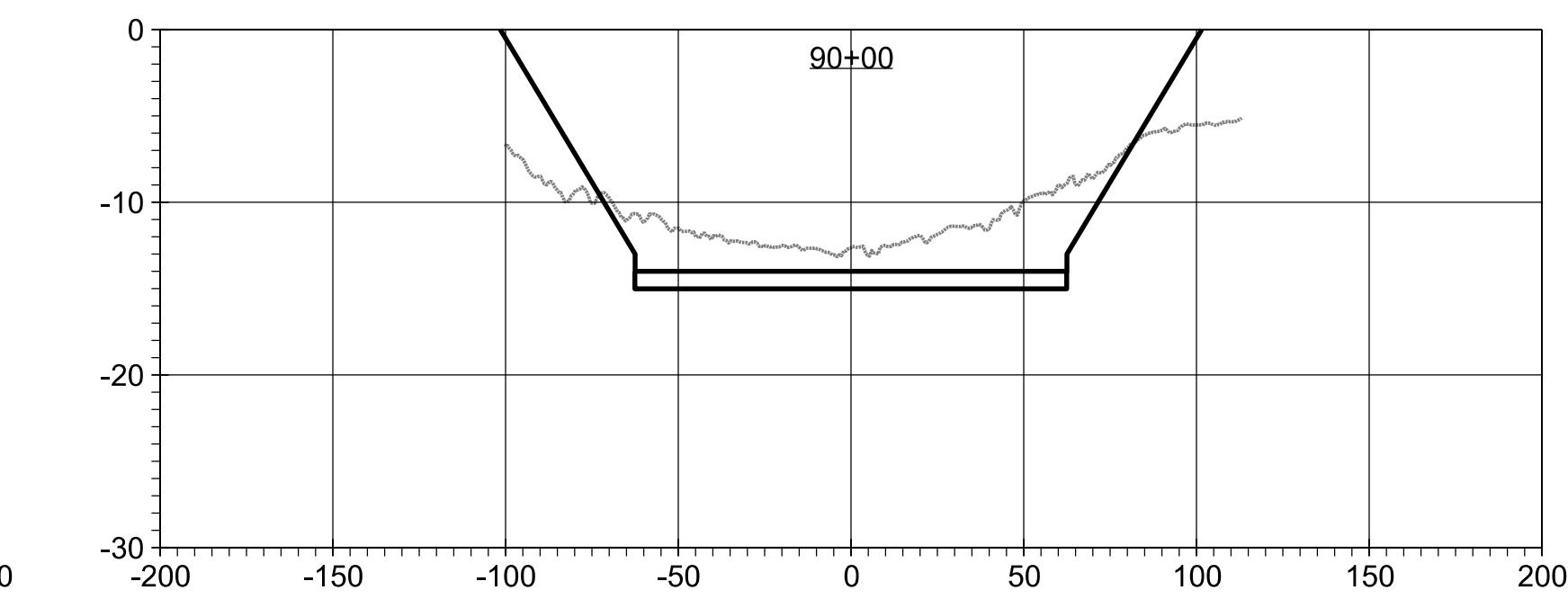
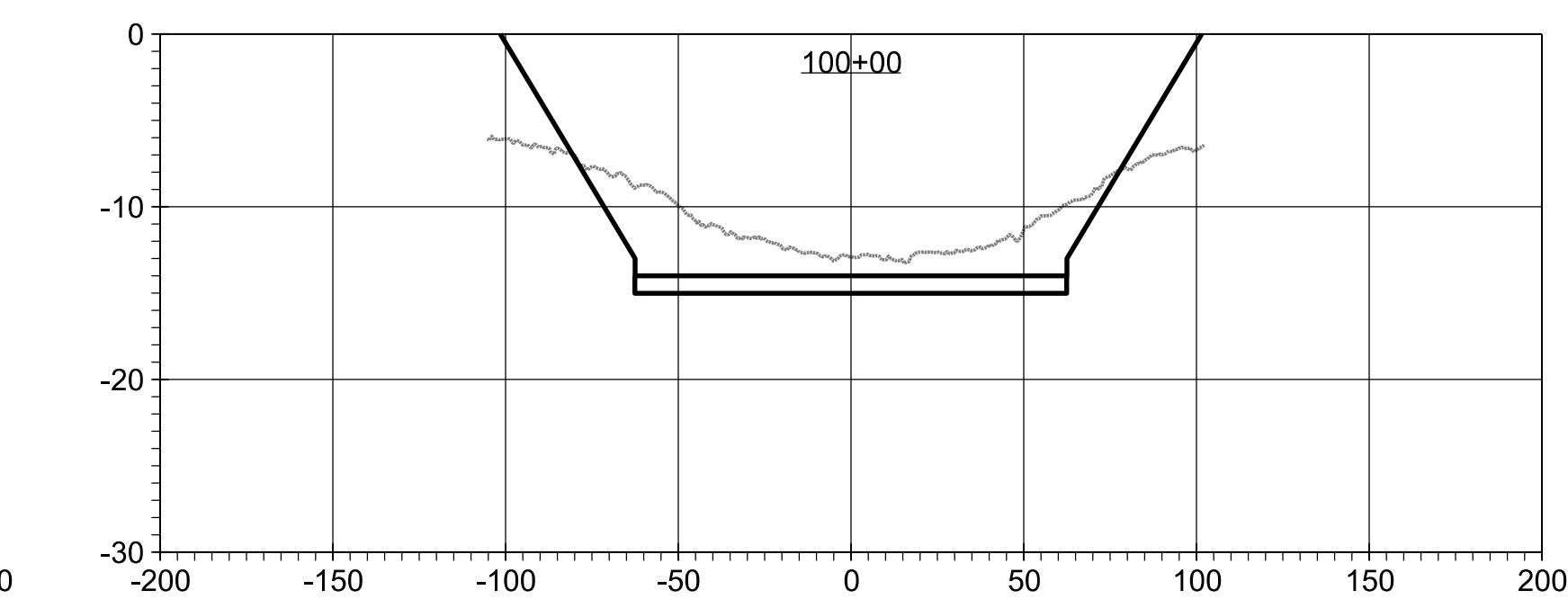
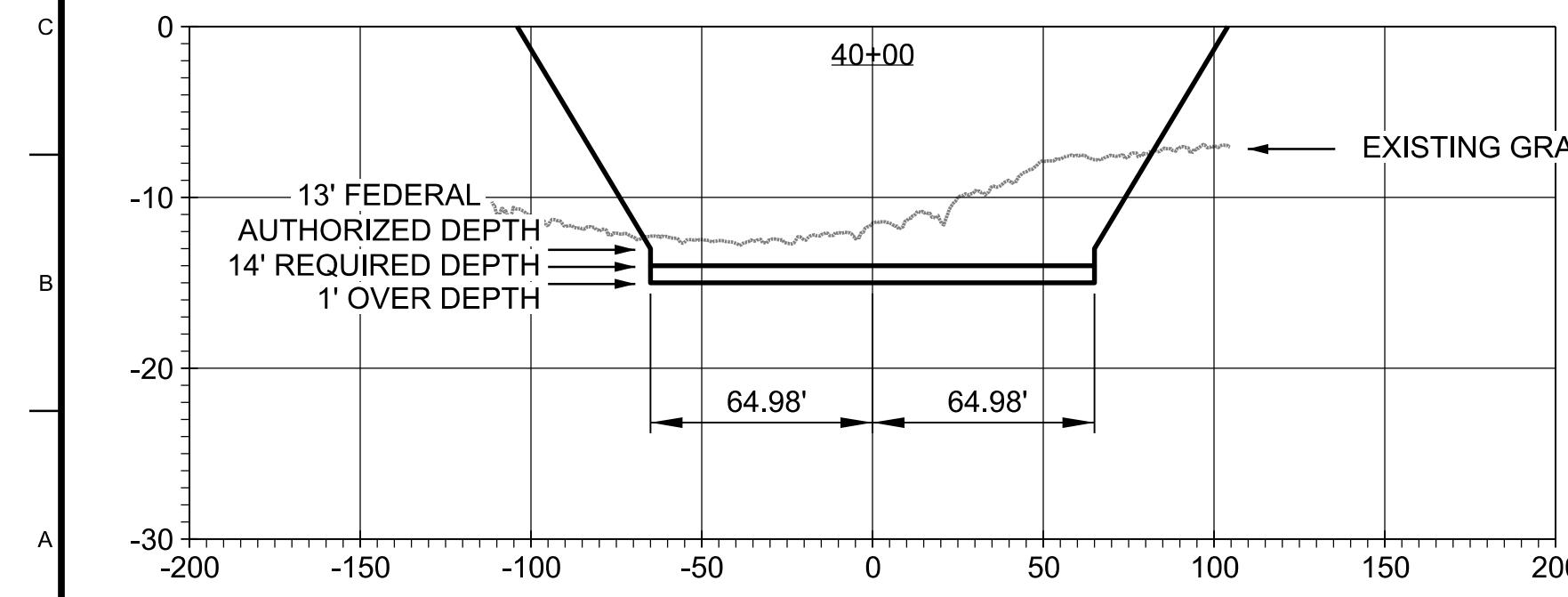
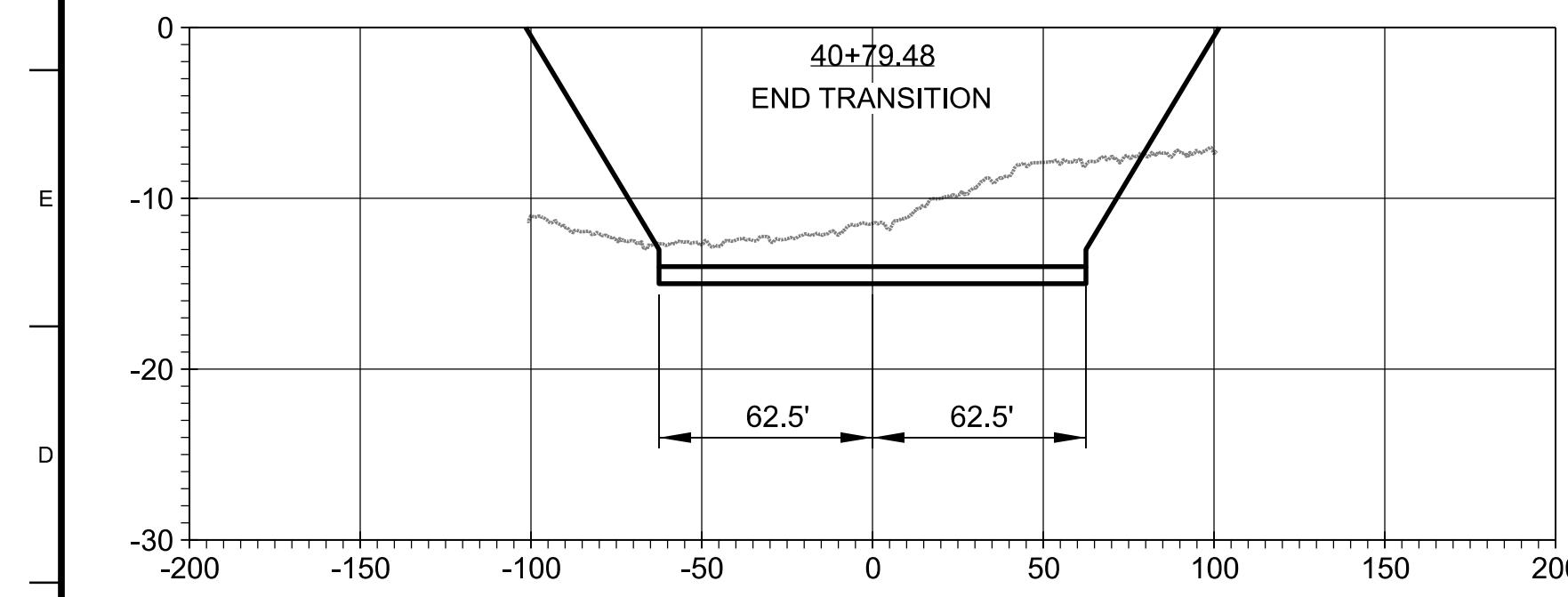
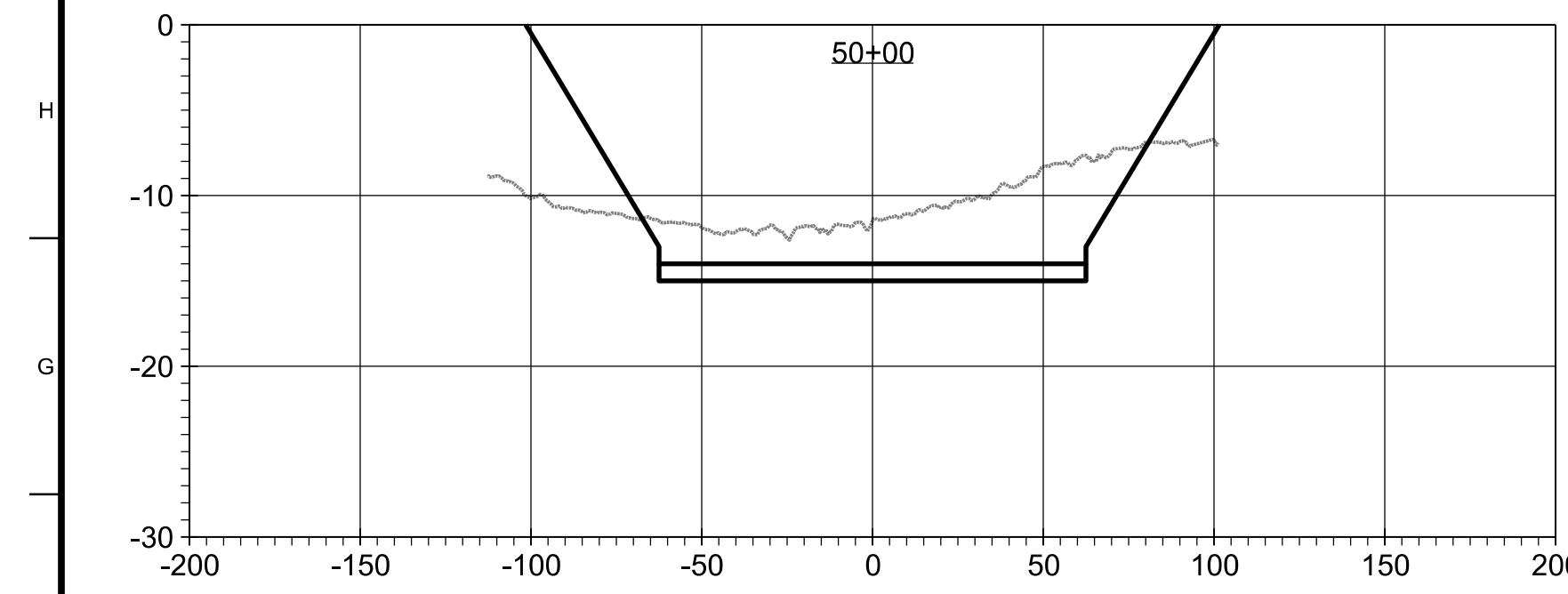
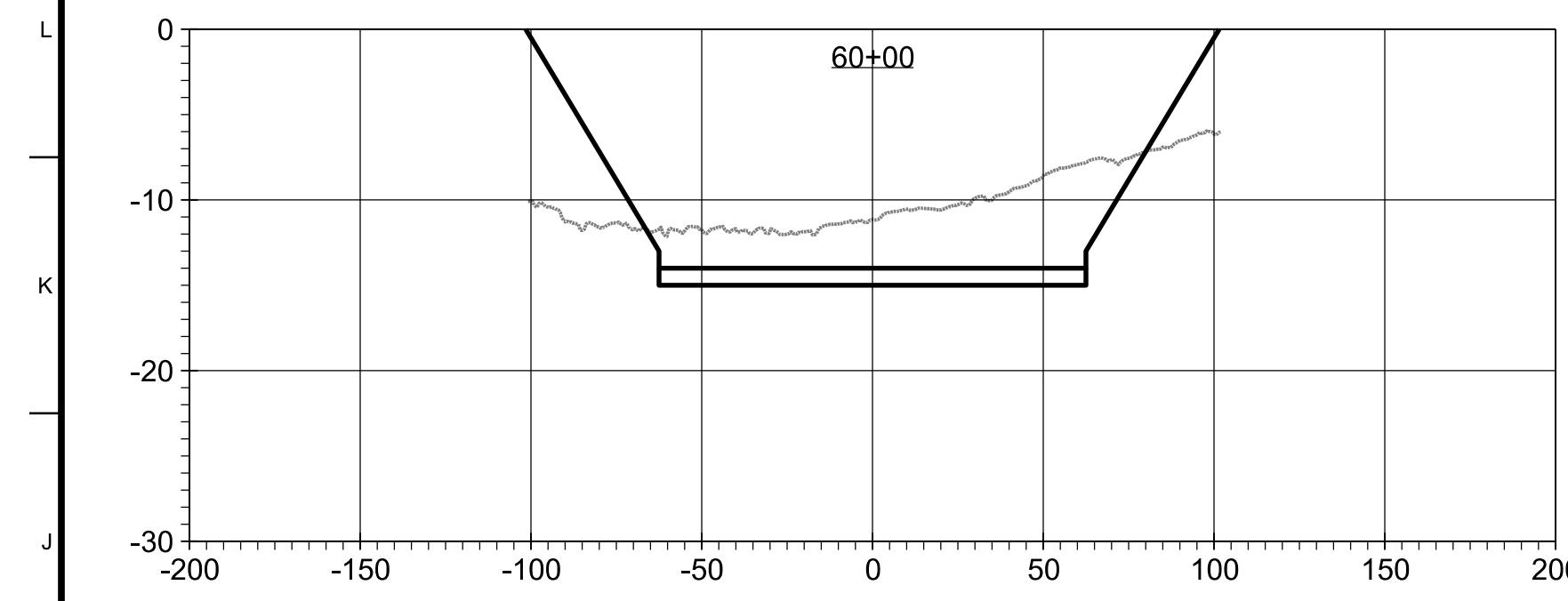
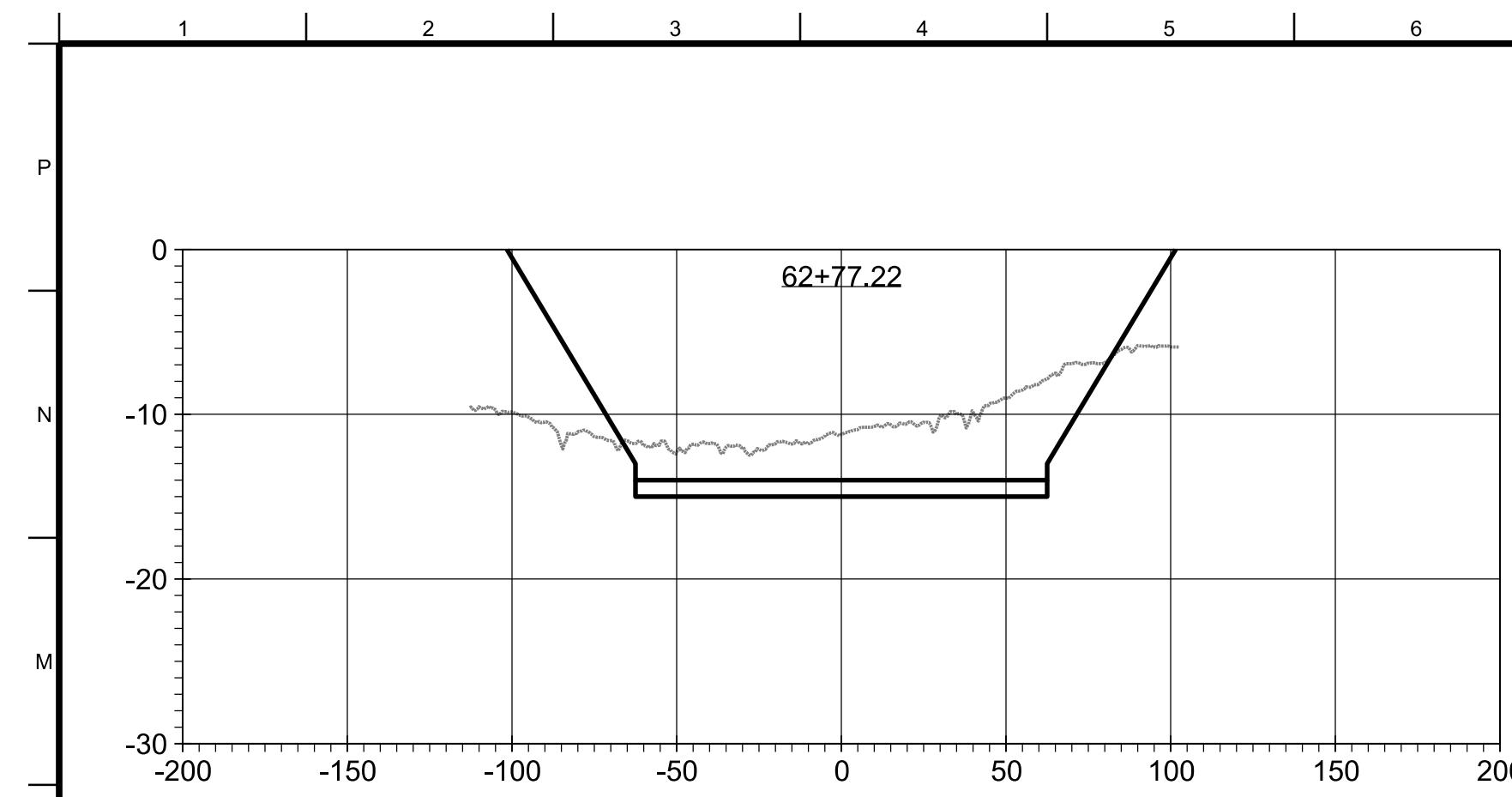
SHEET ID

C-308

CT REVIEW - NOT FOR CONSTRUCTION

GENERAL SHEET NOTES

1. SURVEY DATE - JUNE 2022

US Army Corps
of Engineers®C-309.lgn
7:45:27 AM 12/29/2023

0'
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20'
VERTICAL
HORIZONTAL

SHEET ID
C-309

CT REVIEW - NOT FOR CONSTRUCTION

U.S. ARMY CORPS OF ENGINEERS	DESIGNED BY:	J.DODDEK	ISSUE DATE:	JANUARY 2023
GALVESTON DISTRICT	DRAWN BY:	R.FARISI, WALLS	SOLICITATION NO.:	W912HY28B006
2000 FORT POINT ROAD	CHECKED BY:	J.MILLER	CONTRACT NO.:	W912HY23C
GALVESTON, TEXAS 77550	SUBMITTED BY:	RAYLENE HYLAND, P.E.	SWG FILE NO.:	IVWW 1101-0300
15201 DELANY RD	SIZE:	ANSI D	DATE:	
LA MARQUE, TX 77568				

GULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES
CHOCOLATE BAYOU CHANNEL
CROSS SECTION
STA. 40+00 TO STA. 120+00

GENERAL SHEET NOTES

1. SURVEY DATE - JUNE 2022

US Army Corps
of Engineers®

SHEET ID

C-310

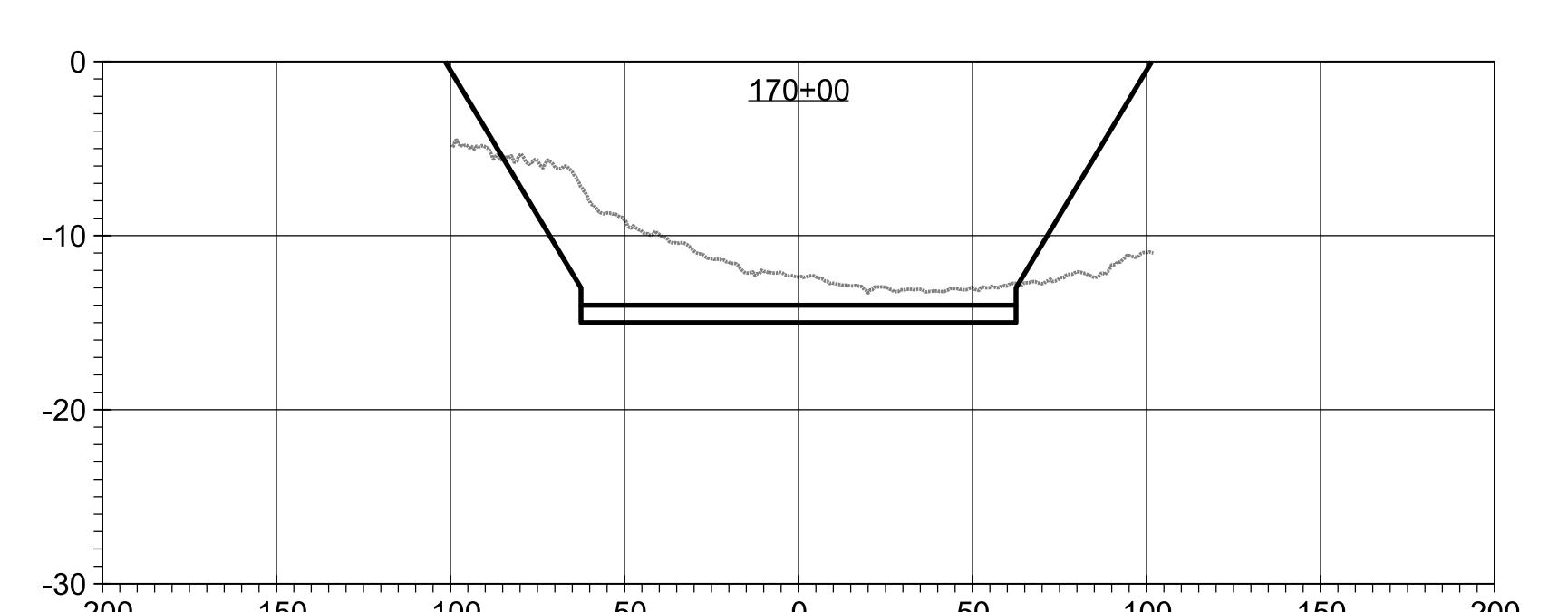
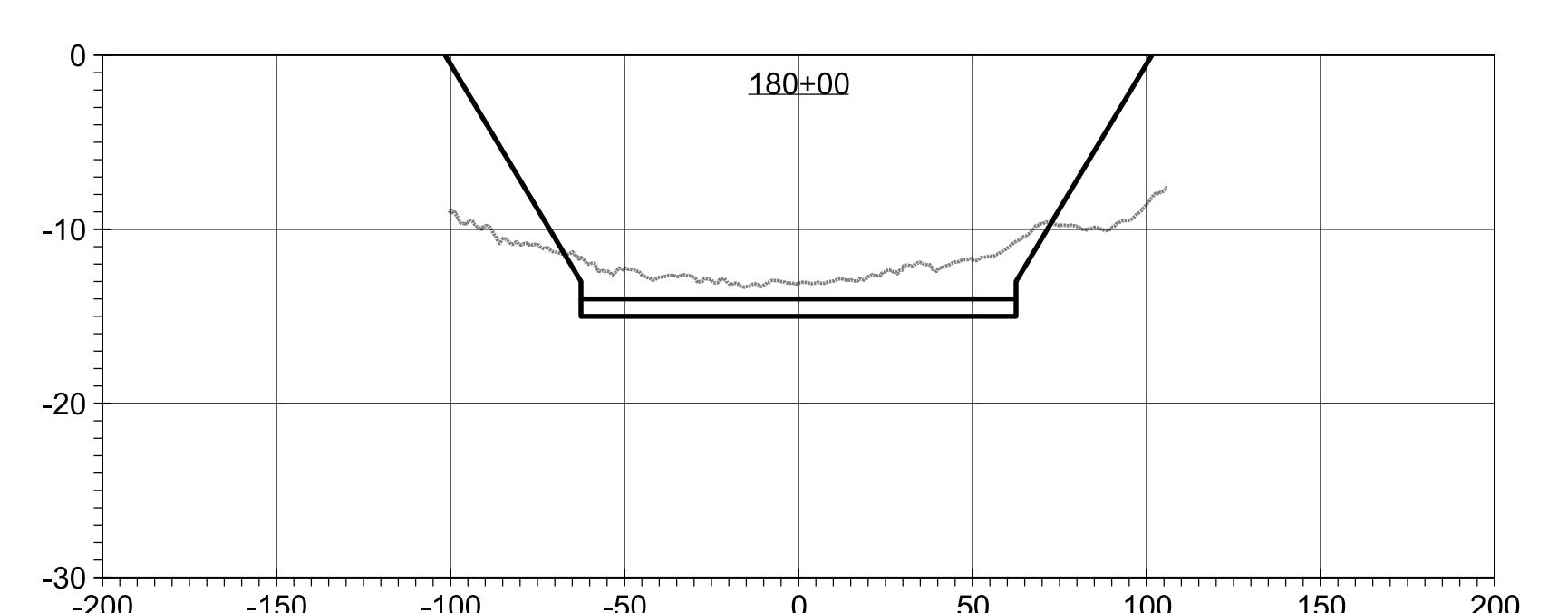
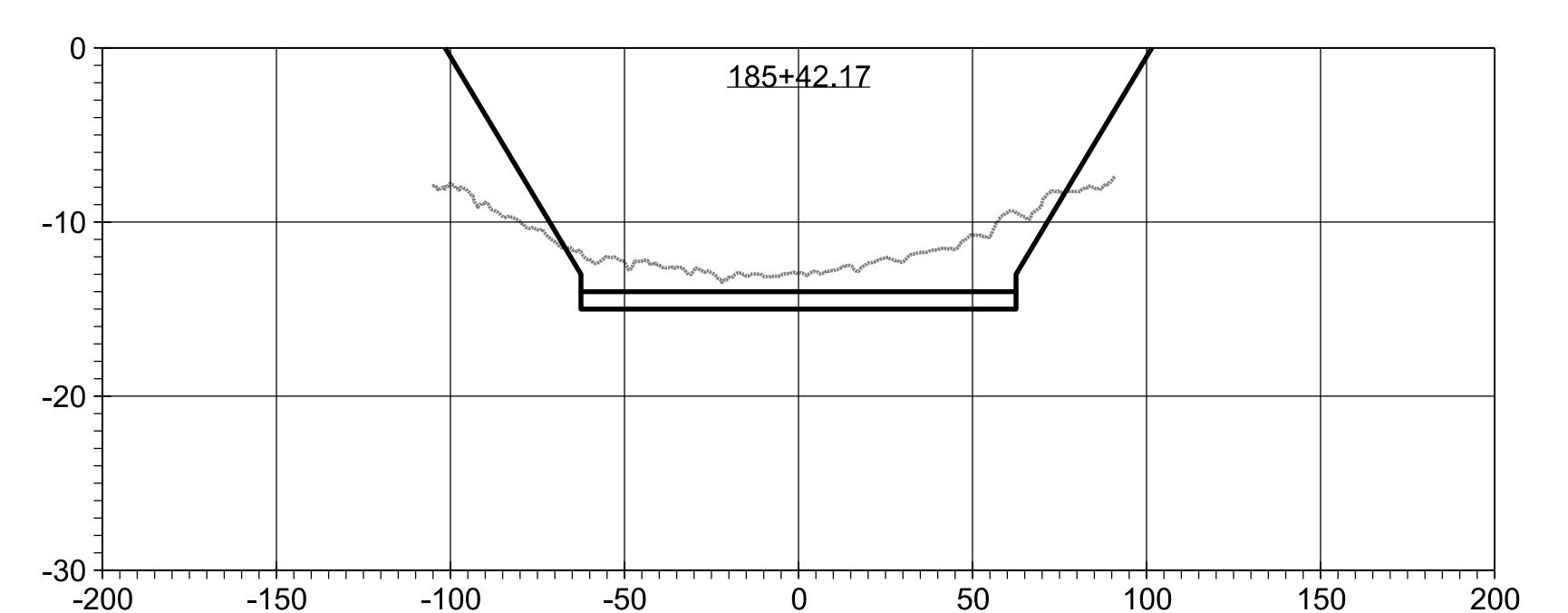
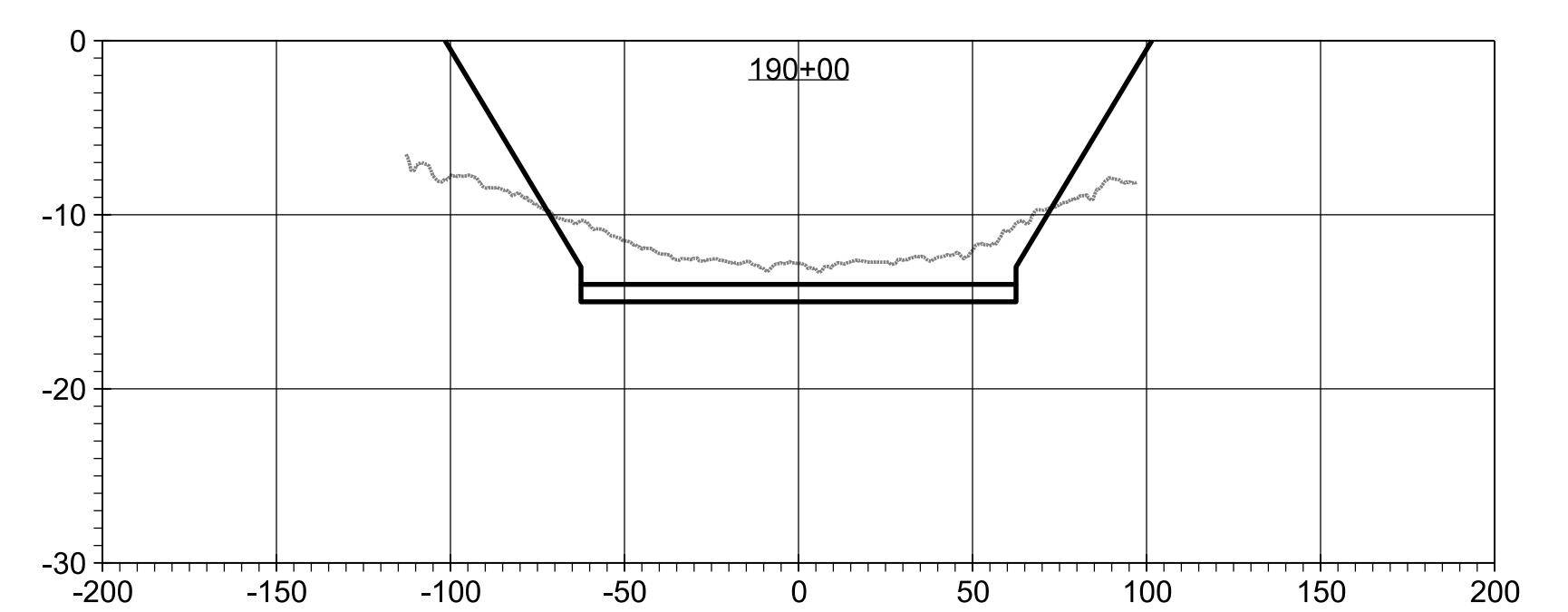
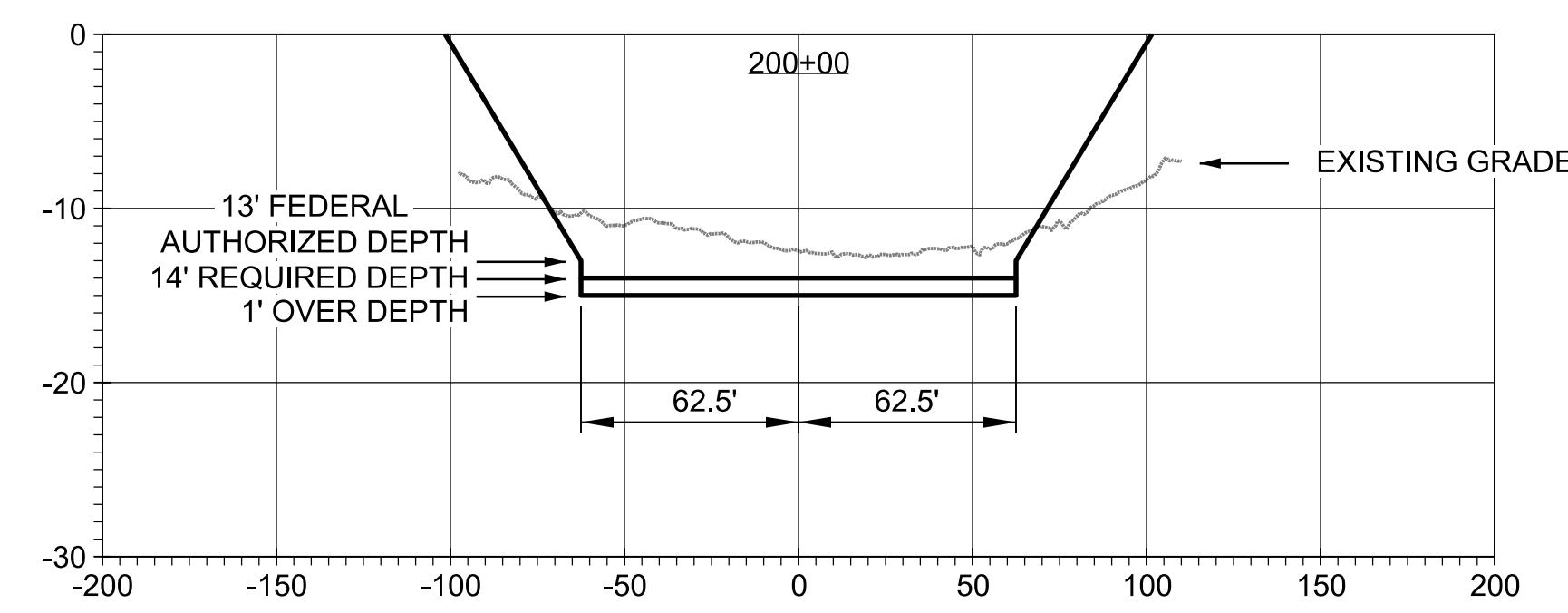
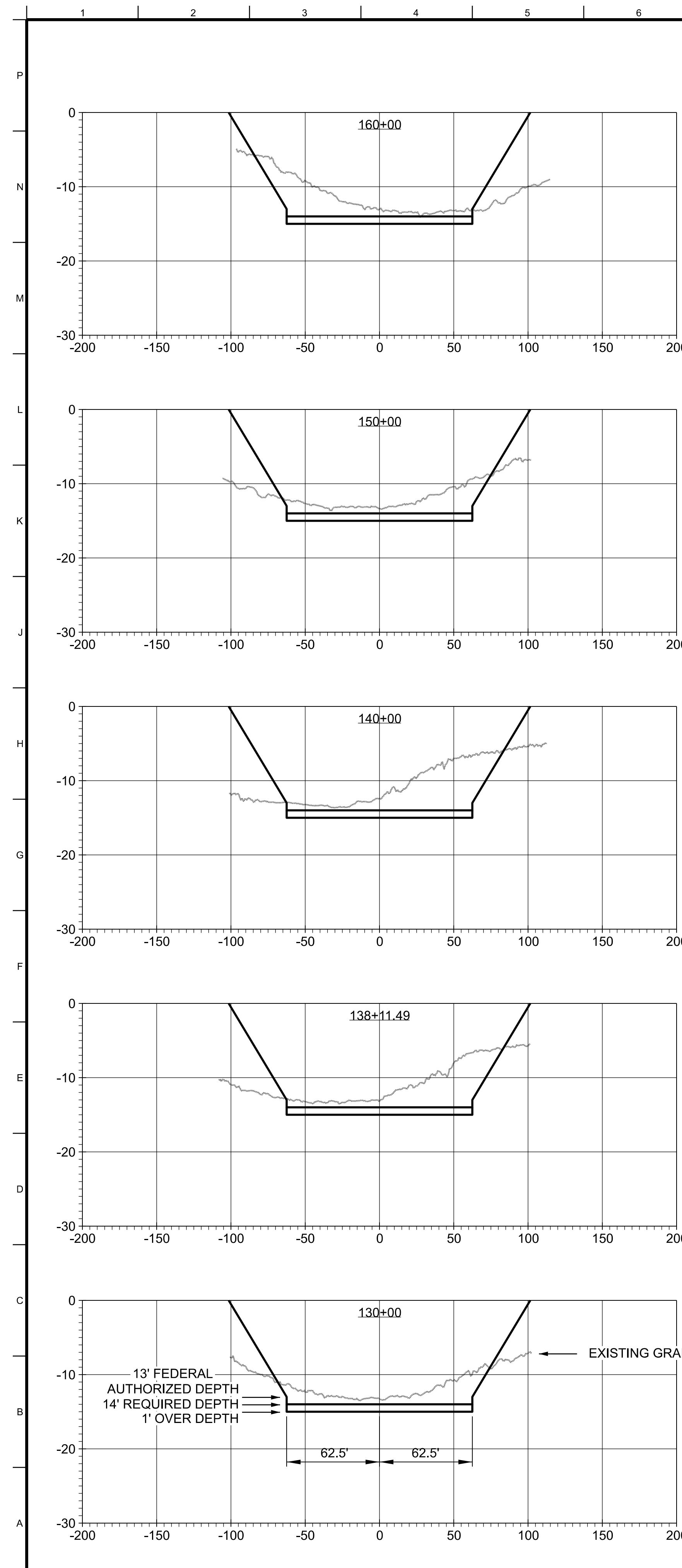
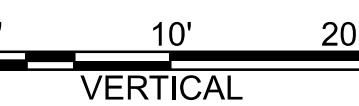
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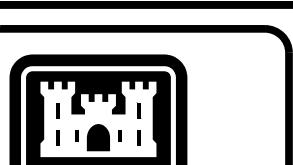
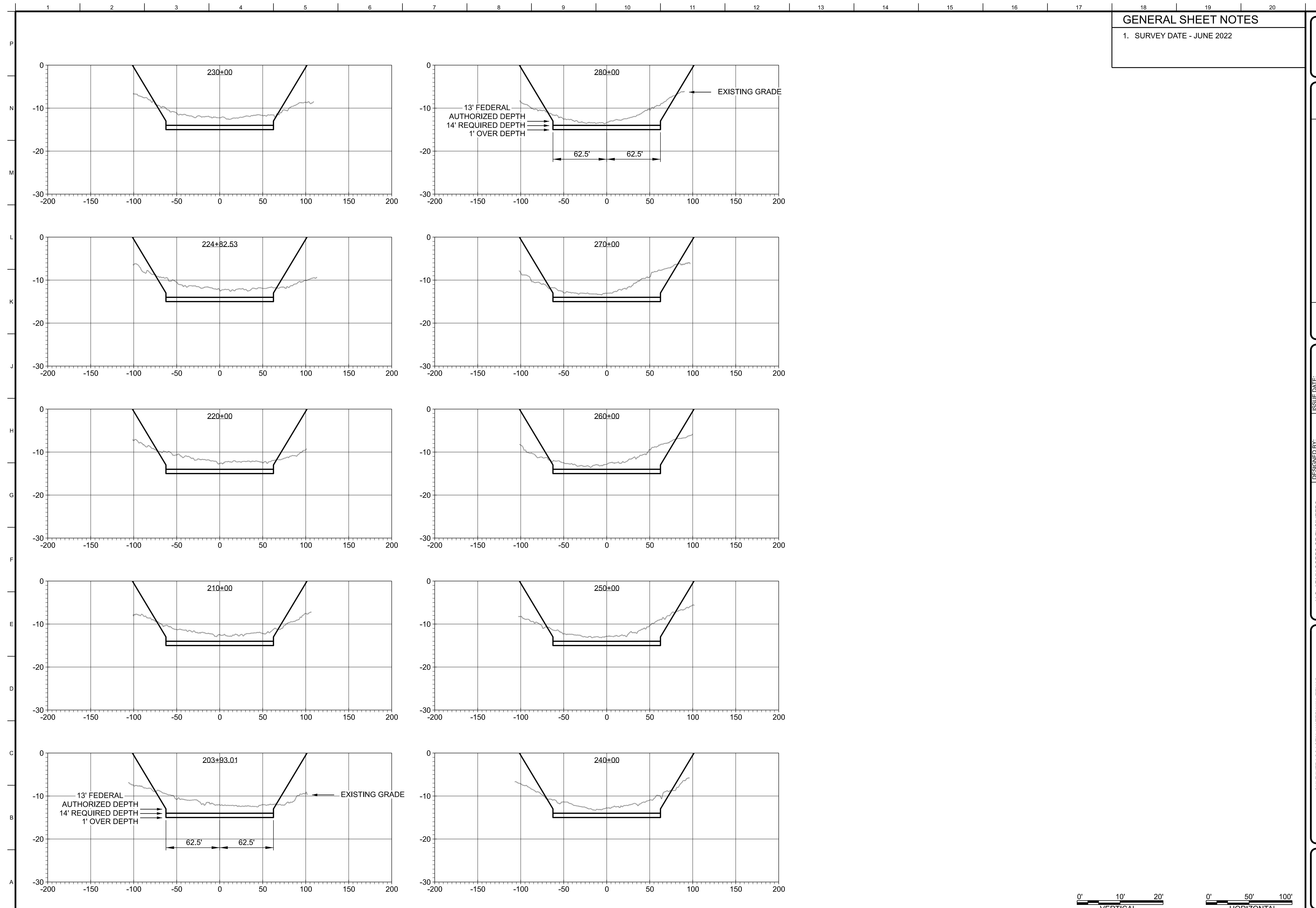
ISSUE DATE:	JANUARY 2023
DESIGNED BY:	J.DODDEK
DRAWN BY:	R.FARISI, WALLS
SOLICITATION NO.:	W912HY23B006
CONTRACT NO.:	W912HY23C
CHECKED BY:	J.MILLER
SUBMITTED BY:	RAYLENE HYLAND, P.E.
SWG FILE NO.:	W912HY23C
SIZE:	W912HY23C
ANSI D:	W912HY23C

GULF INTRACOASTAL WATERWAY, TEXAS ROLLOVER TO CAUSEWAY AND CHOCOLATE BAYOU CHANNEL DREDGING IN BRAZORIA AND GALVESTON COUNTIES
U.S. ARMY CORPS OF ENGINEERS GALVESTON DISTRICT 2000 FORT POINT ROAD GALVESTON, TEXAS 77550
GALVESTON RESIDENT OFFICE 15201 DELANY RD LA MARQUE, TX 77568
CROSS SECTION DETAILS STA. 130+00 TO STA. 200+00



GENERAL SHEET NOTES

1. SURVEY DATE - JUNE 2022

US Army Corps
of Engineers®C-311.gn
7:45:34 AM 129/2023

GULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES
CHOCOLATE BAYOU CHANNEL
CROSS SECTION STATIONS
STA. 203+93.01 TO STA. 280+00

SHEET ID
C-311

CT REVIEW - NOT FOR CONSTRUCTION



DATE

DATE

...WW-100_GWW...,1101-0-300_Rollover to Causeway and Bolivar FY22...,1101-0-300
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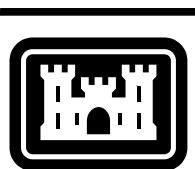
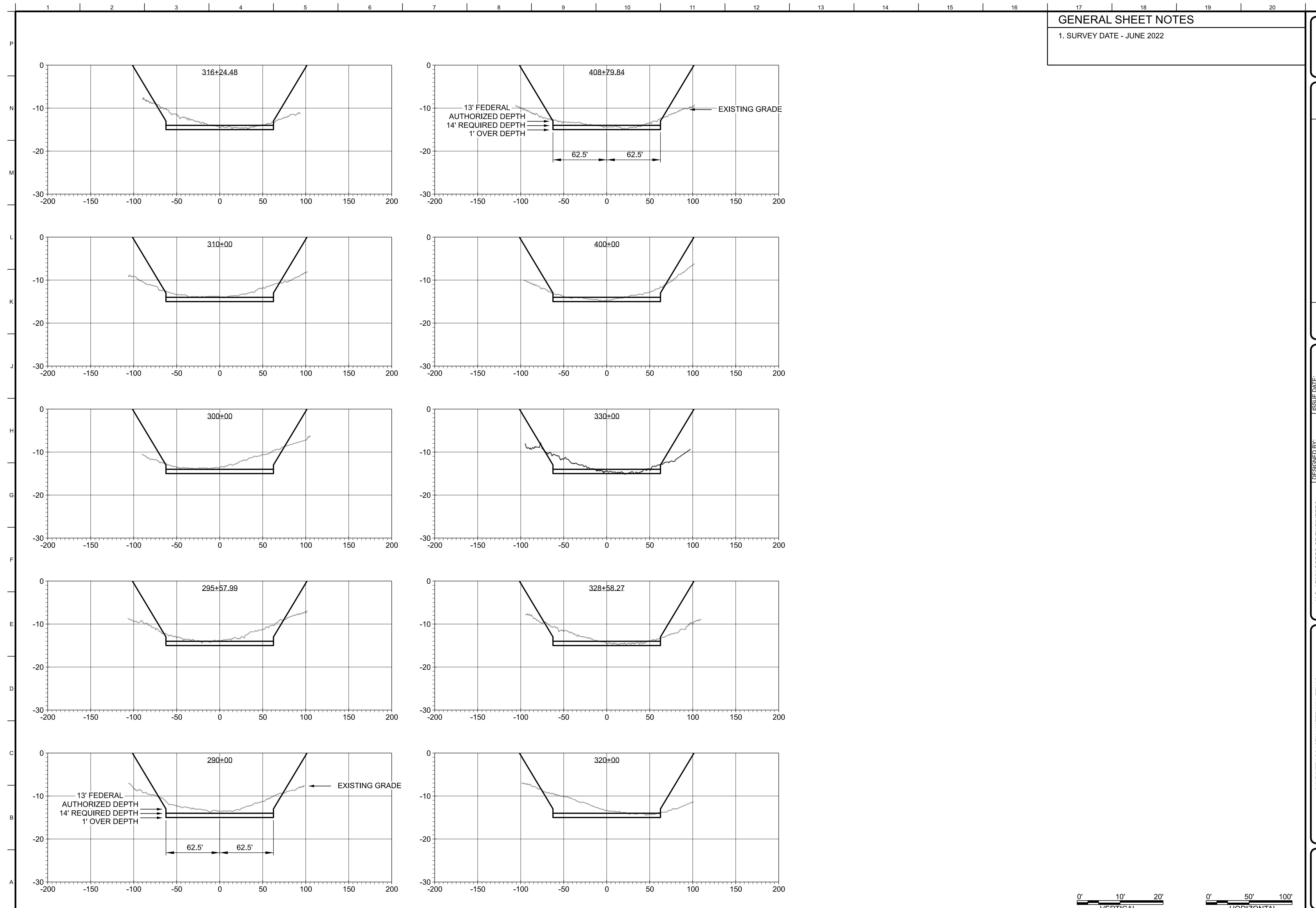
U.S. ARMY CORPS OF ENGINEERS	DESIGNED BY:	ISSUE DATE:
GALVESTON DISTRICT	J.DODDEK	JANUARY 2023
2000 FORT POINT ROAD	DRAWN BY:	SOLICITATION NO:
GALVESTON, TEXAS 77550	R.FARISLT, WALLS	W912HY28B006
GALVESTON RESIDENT OFFICE	CHECKED BY:	CONTRACT NO:
15201 DELANY RD	J.MILLER	W912HY23C
LA MARQUE, TX 77568	SUBMITTED BY:	SWG FILE NO:
	RAYLENE HYLAND, P.E.	WW 1101-0-300
		SIZE:
		ANSI D

MARK

DESCRIPTION

GENERAL SHEET NOTES

1. SURVEY DATE - JUNE 2022

US Army Corps
of Engineers®C-312.lgn
7:45:37 AM 12/29/2023

U.S. ARMY CORPS OF ENGINEERS
GALVESTON DISTRICT
2000 FORT POINT ROAD
GALVESTON, TEXAS 77550
GALVESTON RESIDENT OFFICE
15201 DELANY RD
LA MARQUE, TX 77568

ISSUE DATE: JANUARY 2023
DESIGNED BY: J. DOODEK
DRAWN BY: R. FARISI, WALLS
SOLICITATION NO: W912HY23B006
CONTRACT NO: W912HY23C
CHECKED BY: J. MILLER
SUBMITTED BY: RAYLENE HYLAND, P.E.
SWG FILE NO: IWW 1101-0300
SIZE: ANSI D
ANSID:

GULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES
CHOCOLATE BAYOU CHANNEL
CROSS SECTION DETAILS
STA. 290+00 TO STA. 408+79.84

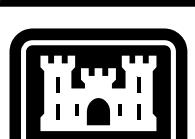
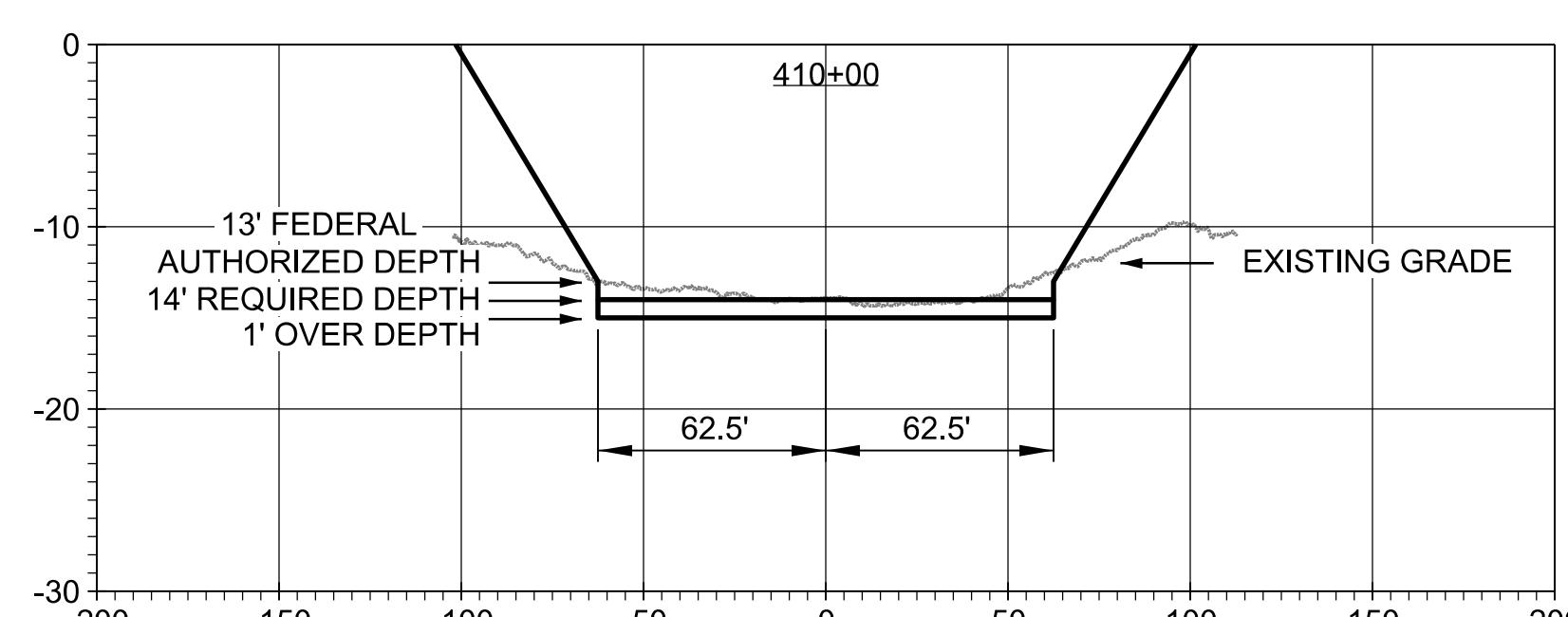
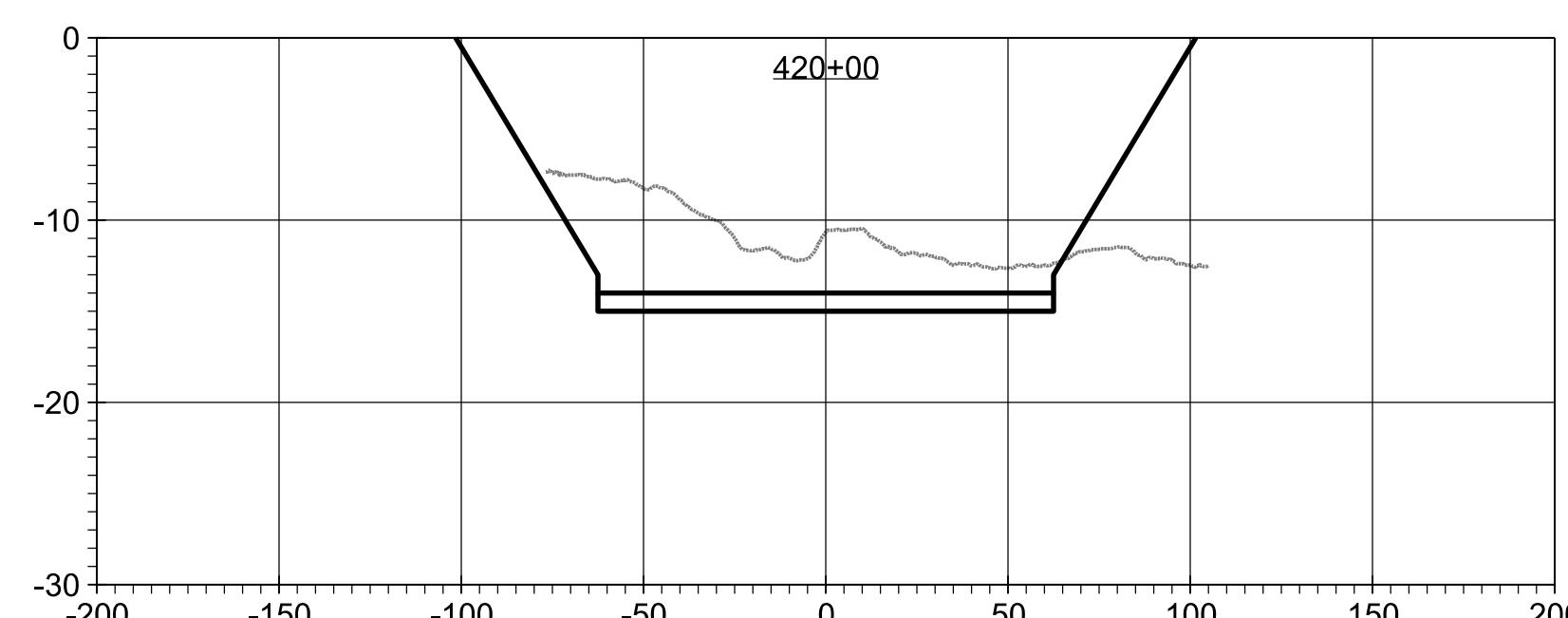
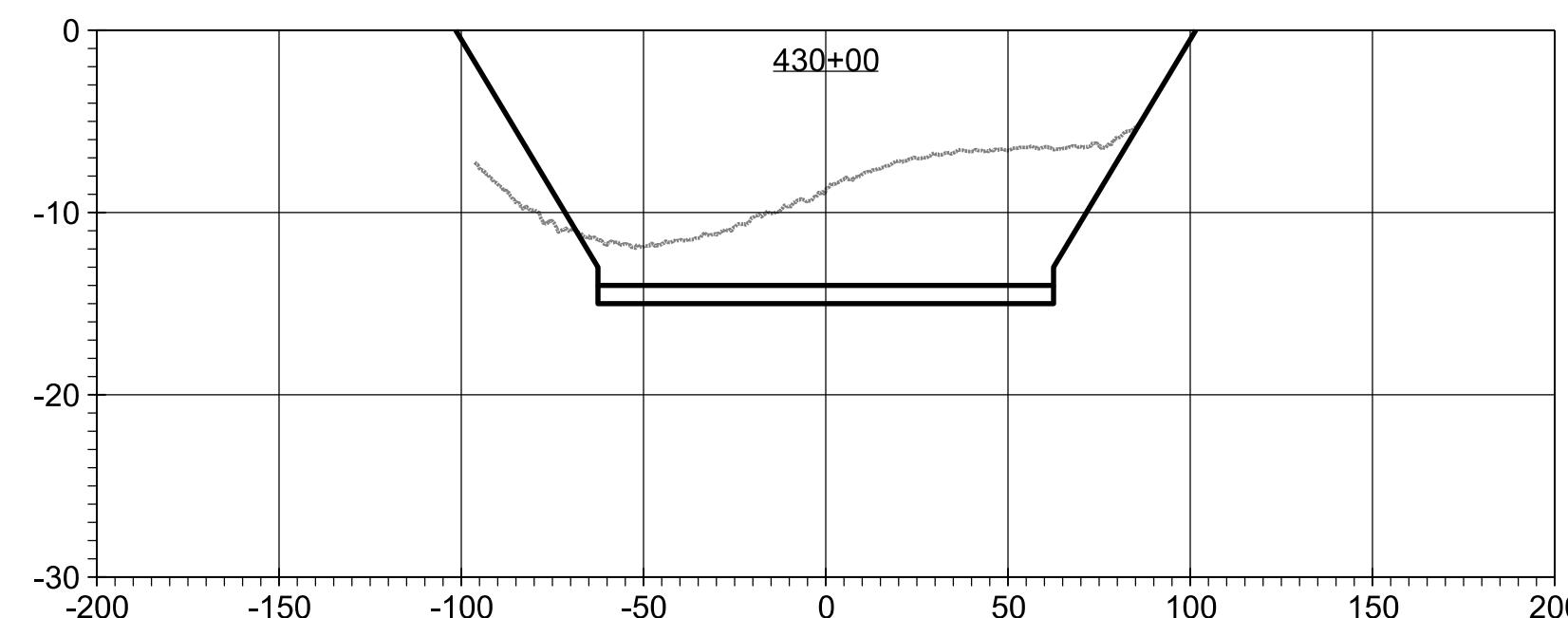
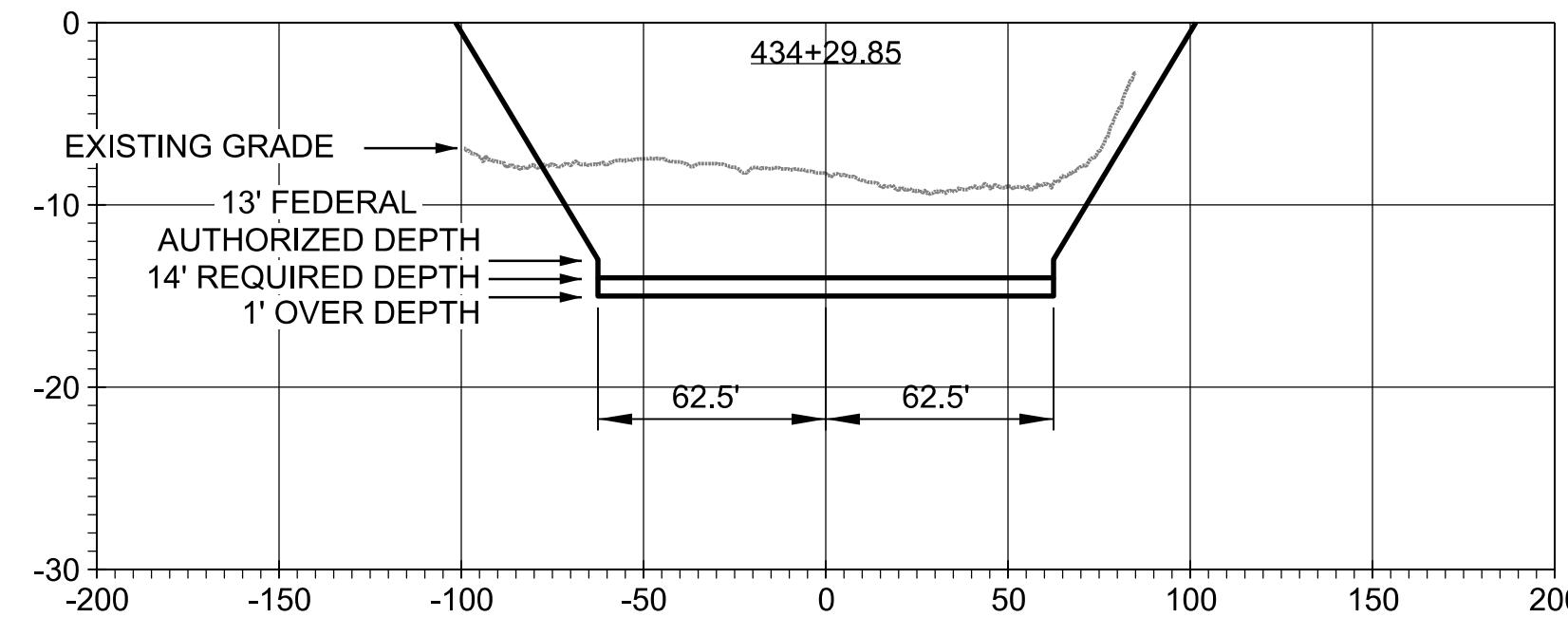
SHEET ID
C-312

CT REVIEW - NOT FOR CONSTRUCTION

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7:45:37 AM 12/29/2023

GENERAL SHEET NOTES

1. SURVEY DATE - JUNE 2022

US Army Corps
of Engineers®C-313.dwg
7/29/20230' 10' 20'
VERTICAL0' 50' 100'
HORIZONTALGULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIESCHOCOLATE BAYOU CHANNEL
CROSS SECTION

STA. 410+00 TO STA. 434+29.85

SHEET ID

C-313

CT REVIEW - NOT FOR CONSTRUCTION

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DATE

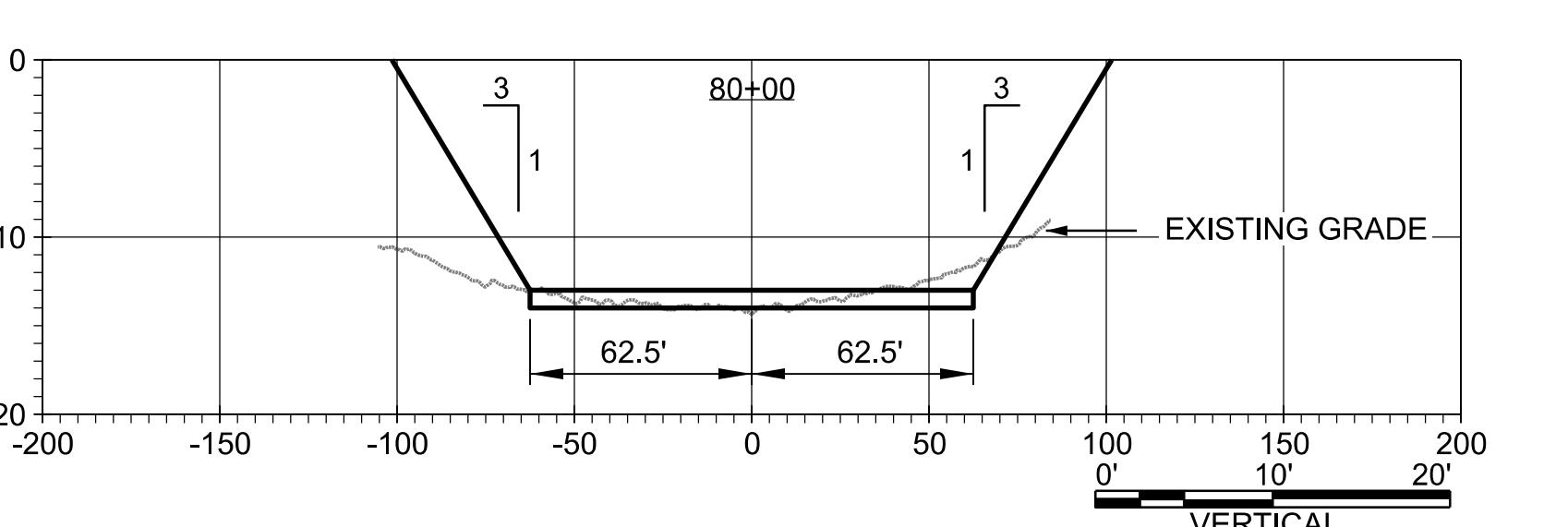
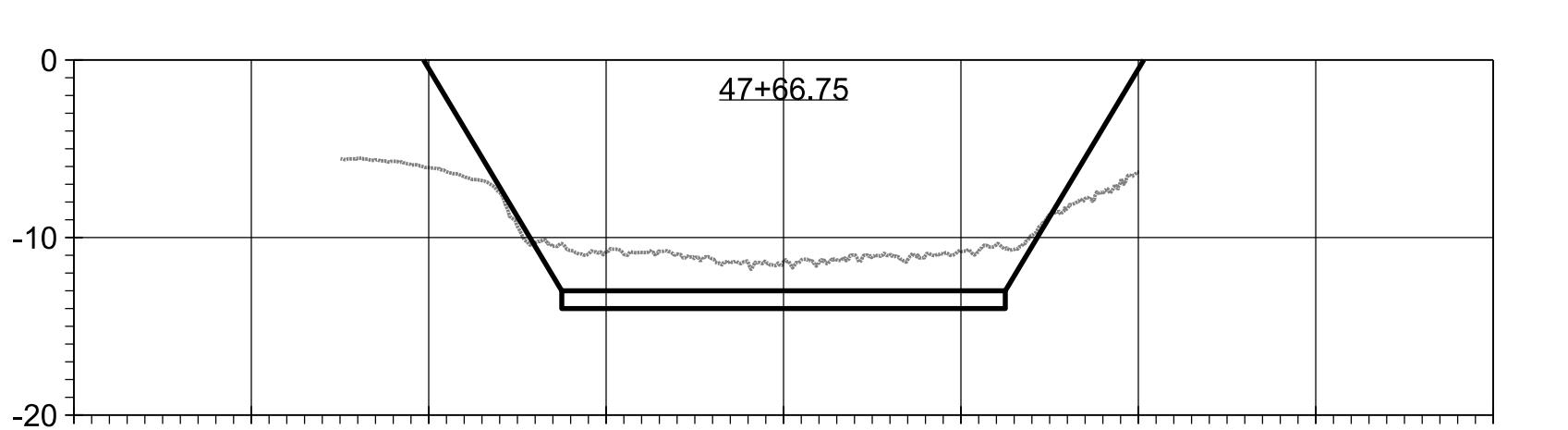
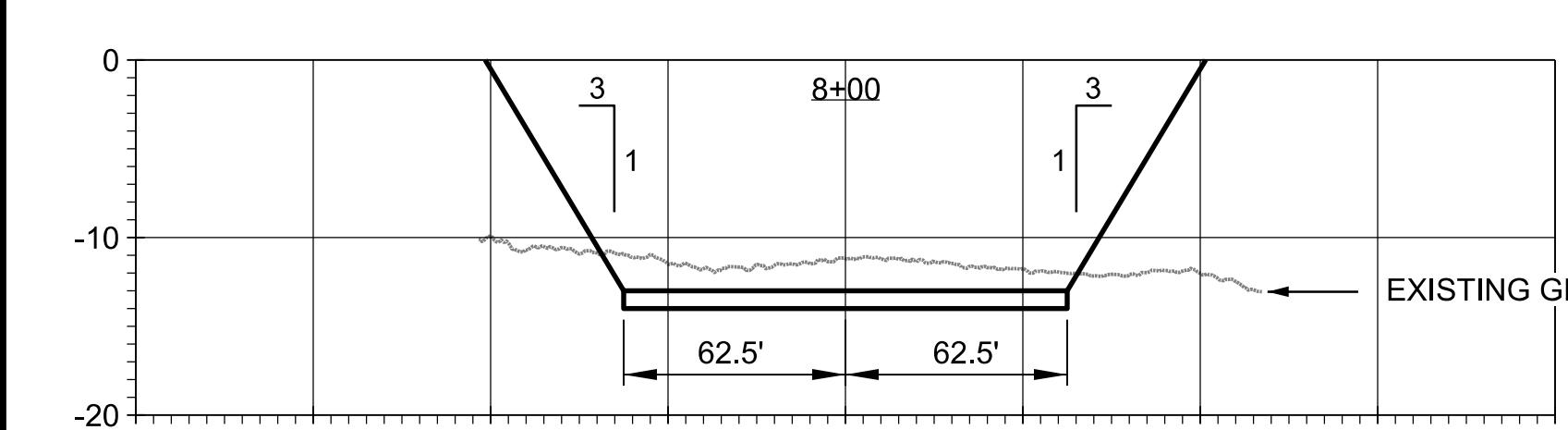
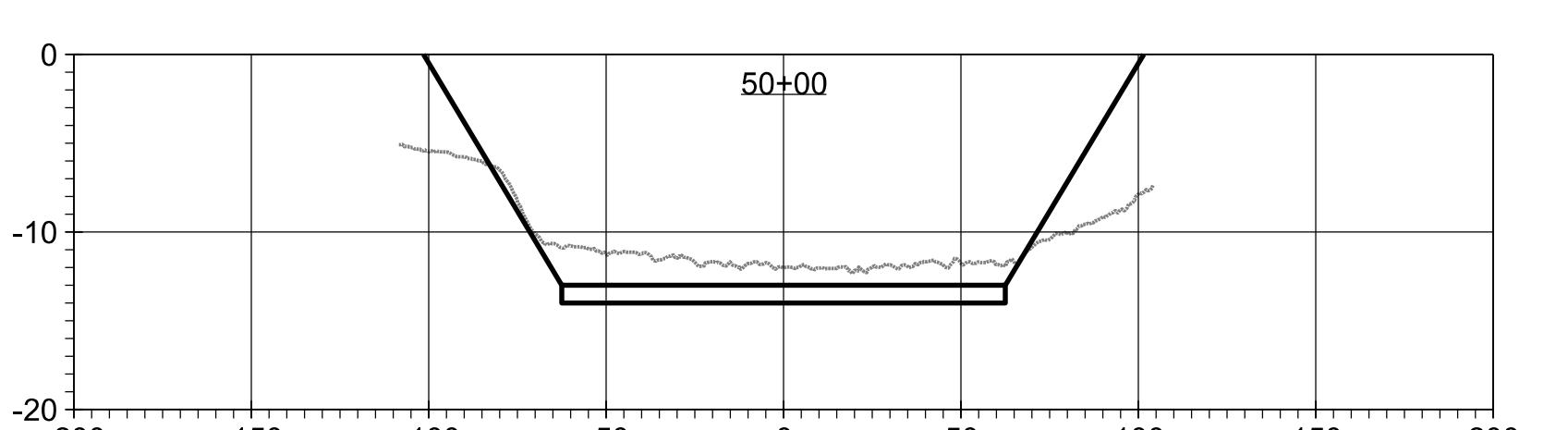
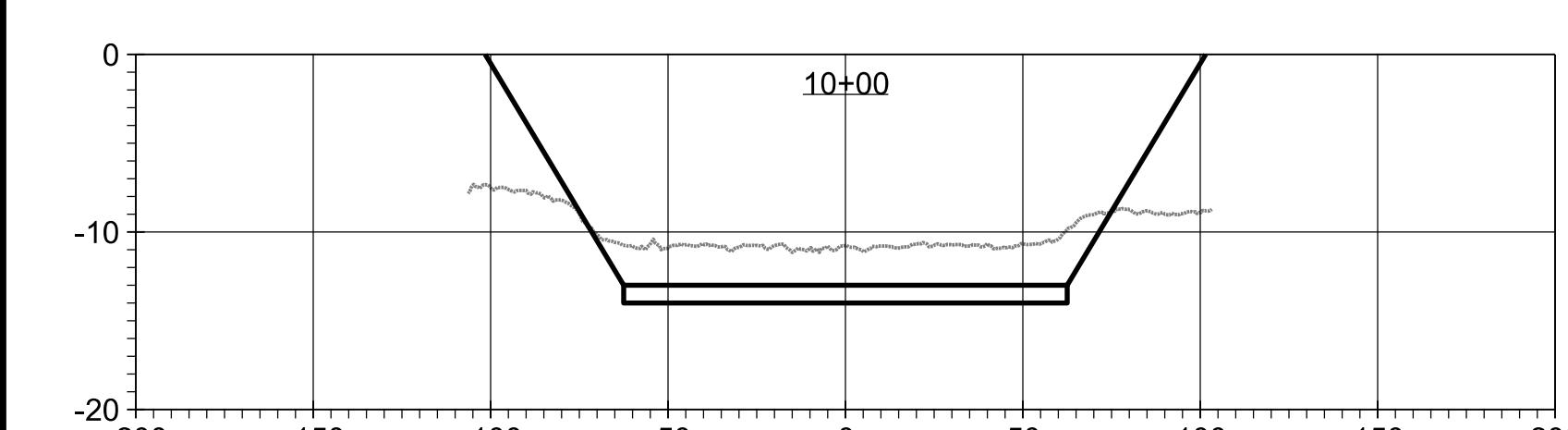
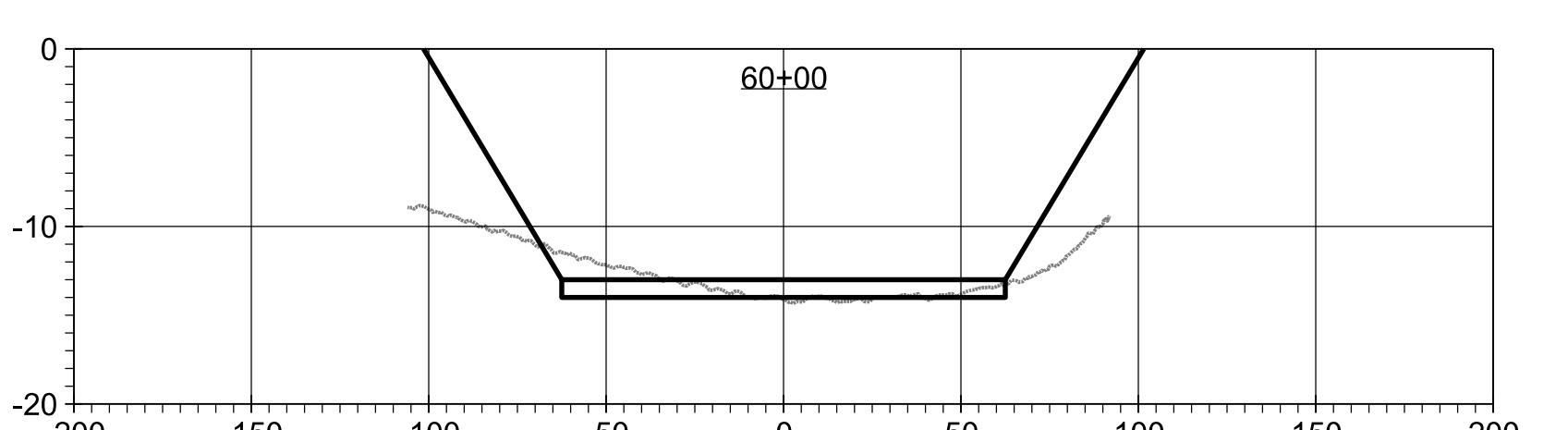
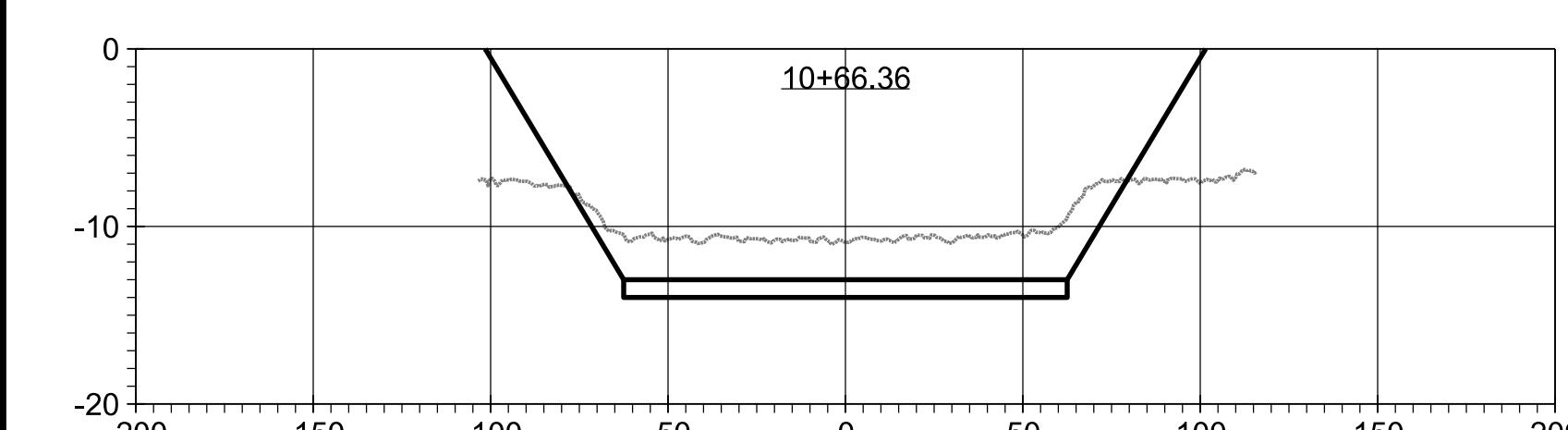
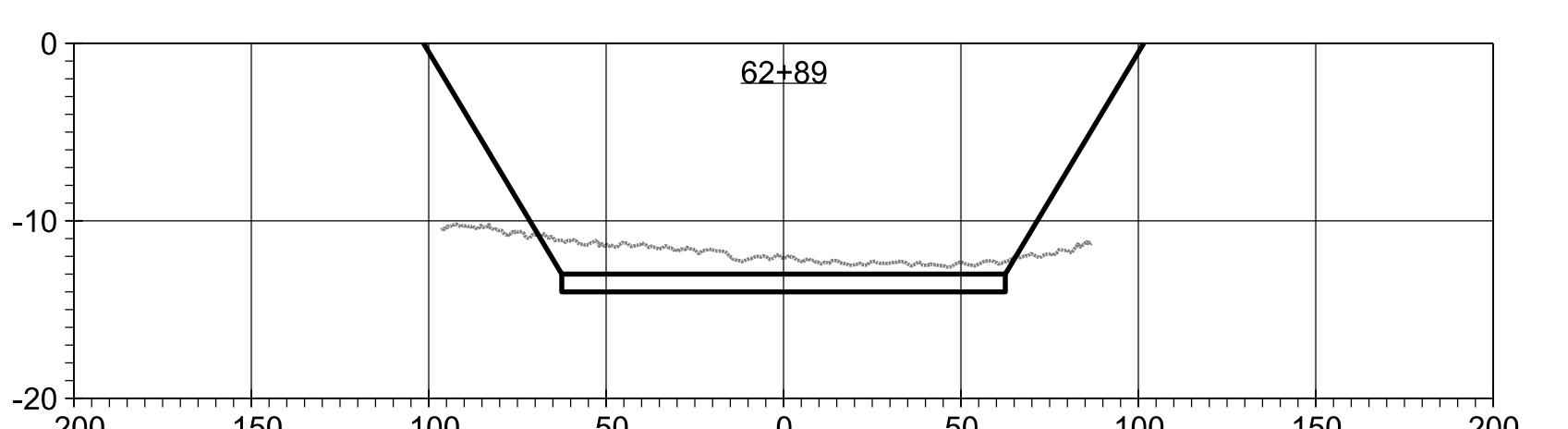
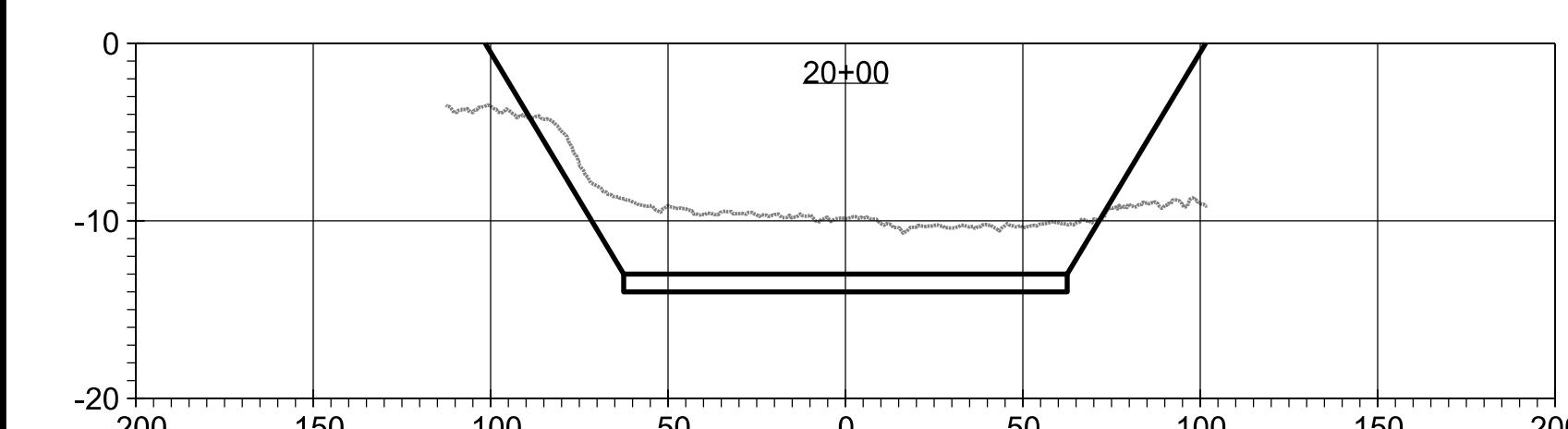
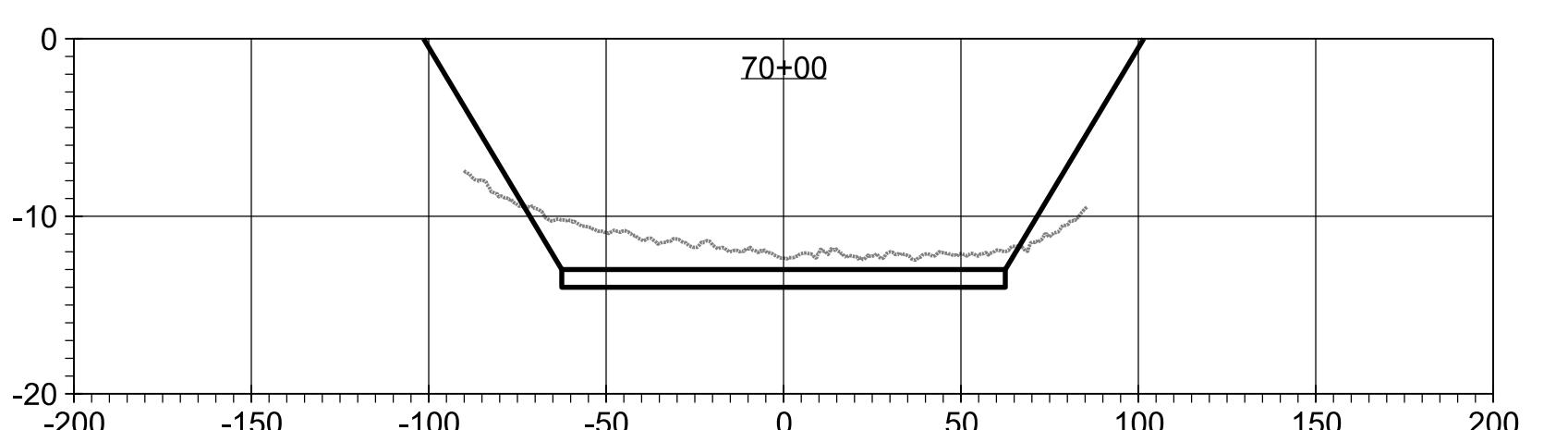
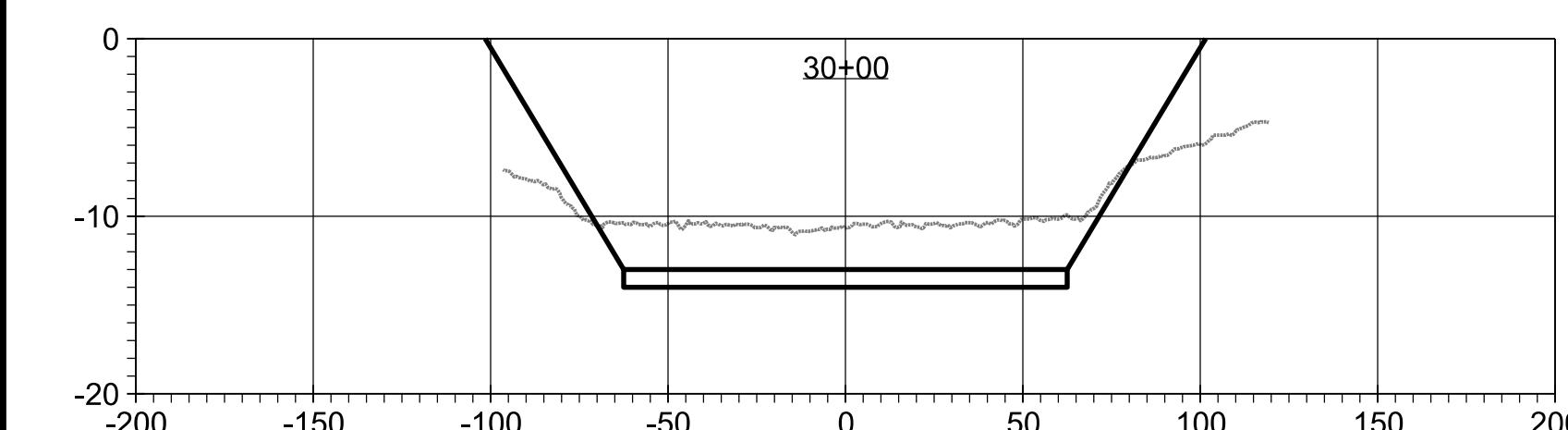
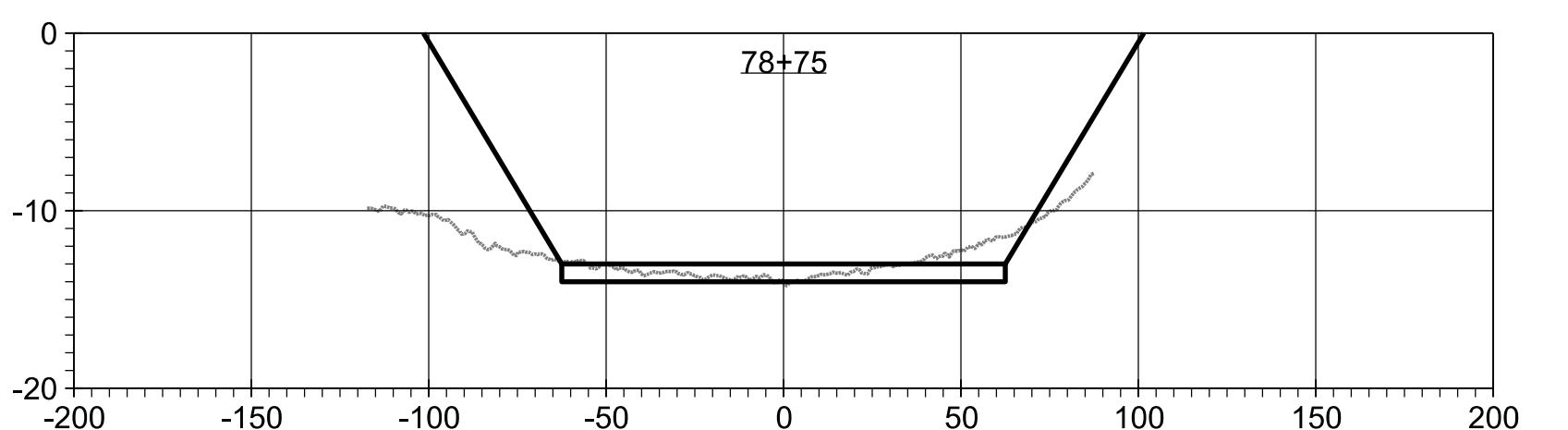
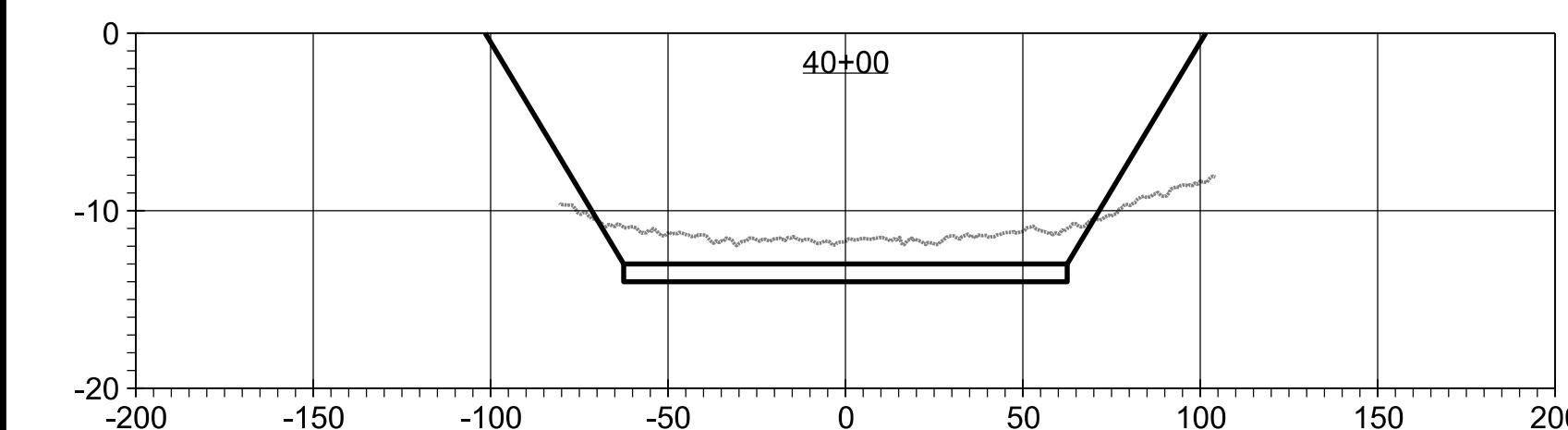
U.S. ARMY CORPS OF ENGINEERS GALVESTON DISTRICT 2000 FORT POINT ROAD GALVESTON, TEXAS 77550	DESIGNED BY: J.DODDEK DRAWN BY: R.FARISLT, WALLS CHECKED BY: J.MILLER SUBMITTED BY: RAYLENE HYLAND, P.E. SIZE: ANSI D	ISSUE DATE: JANUARY 2023 SOLICITATION NO.: W912HY23B006 CONTRACT NO.: W912HY23C SWG FILE NO.: W912WW 1101-0300
GALVESTON RESIDENT OFFICE 15201 DELANY RD LA MARQUE, TX 77568		

...WW-1100.GWW...1101-0300 Rollover to Causeway and Bolivar FY22...1101-0300

C-313.dwg
7:45:40 AM 12/29/2023

GENERAL SHEET NOTES

1. SURVEY DATE - APRIL 2022

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VERTICAL HORIZONTAL

GULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES
OFFATS BAYOU EAST WYE AND MAIN CHANNEL
CROSS SECTIONS
STA. 8+00 TO STA. 80+00

SHEET ID
C-315

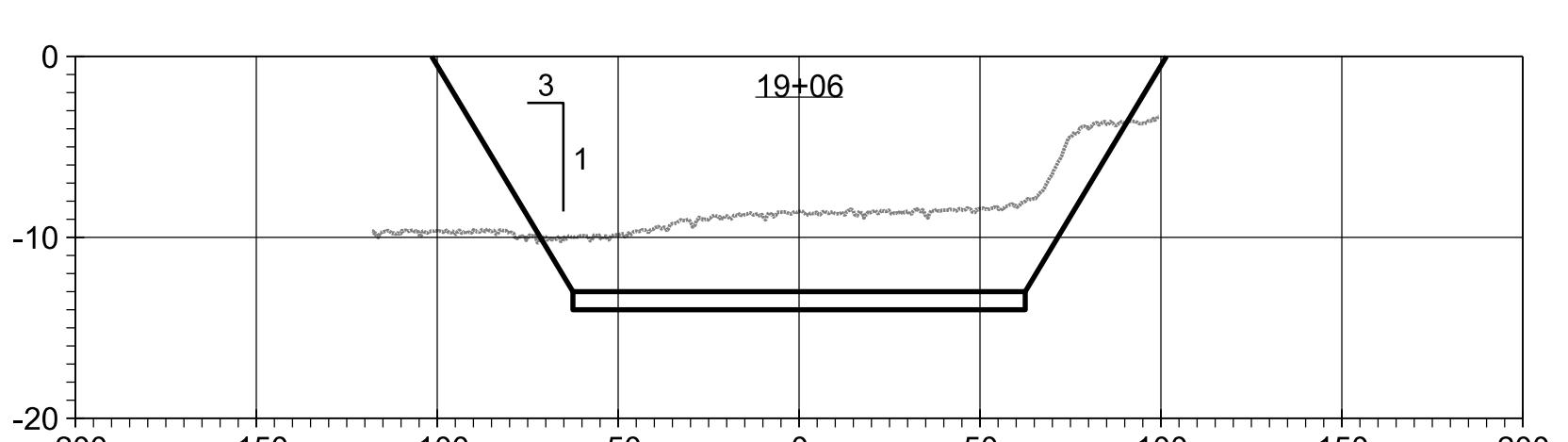
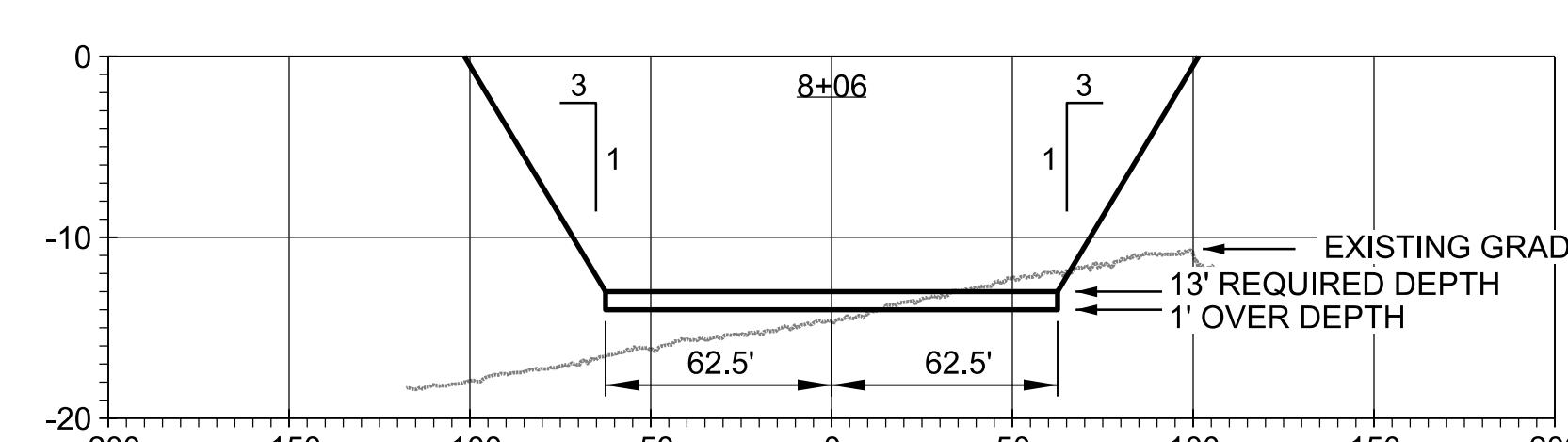
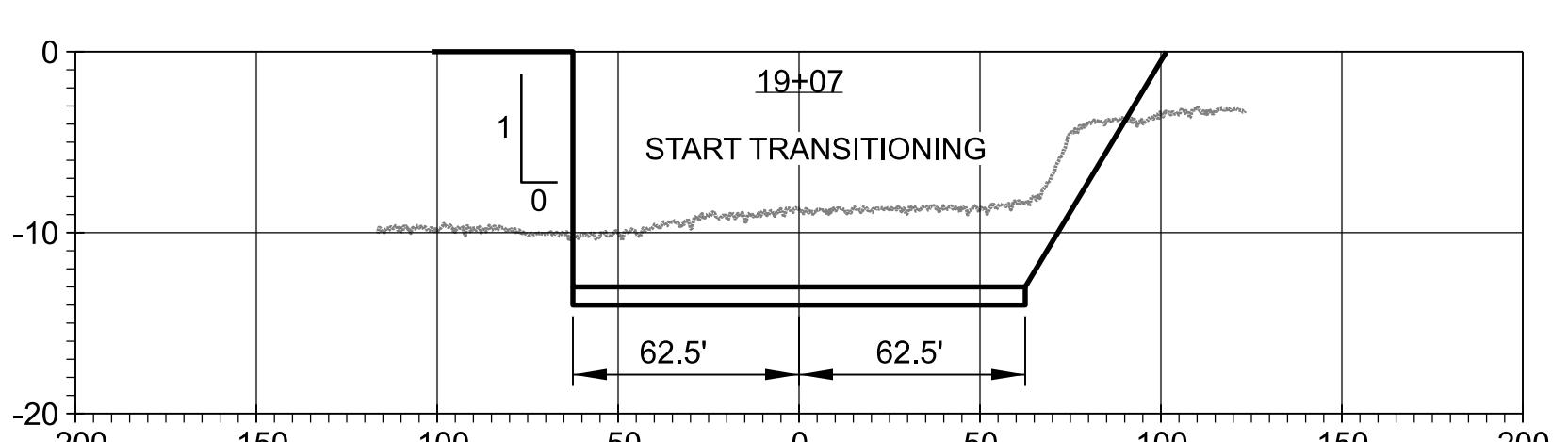
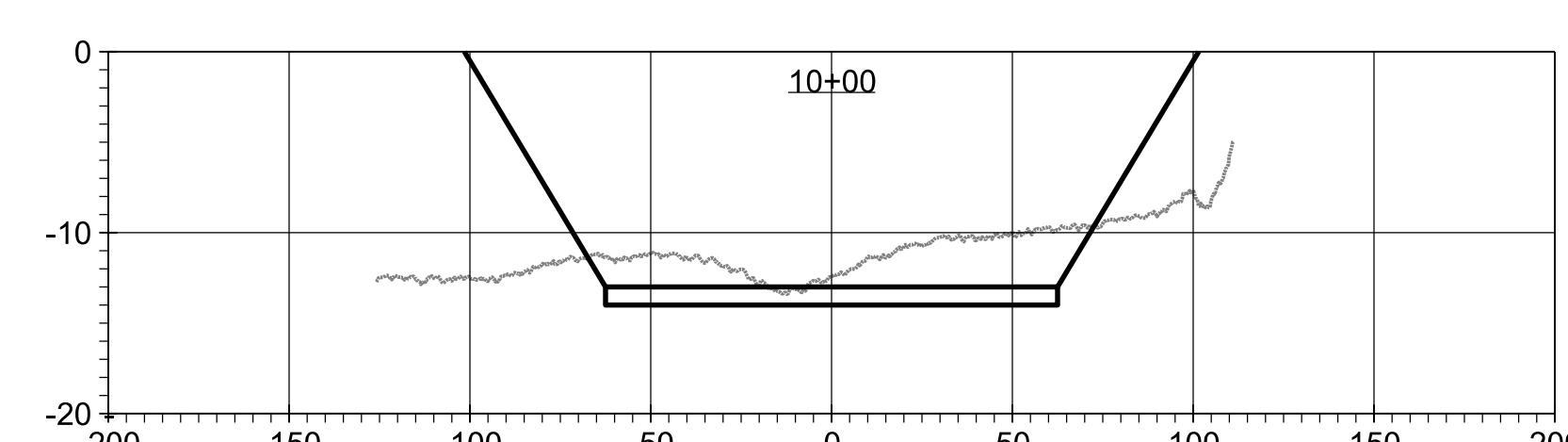
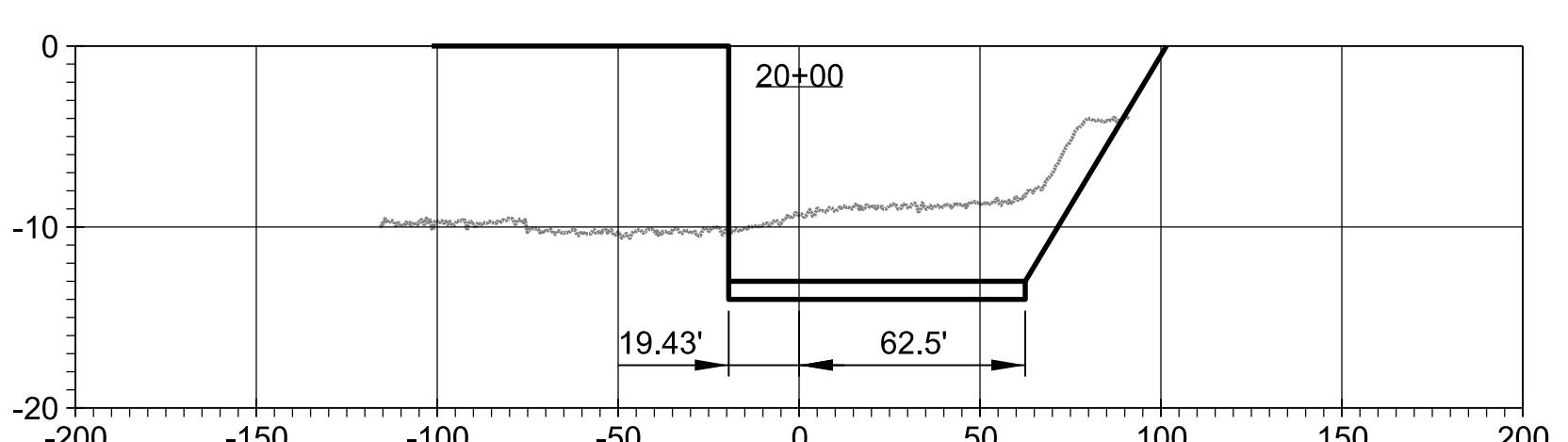
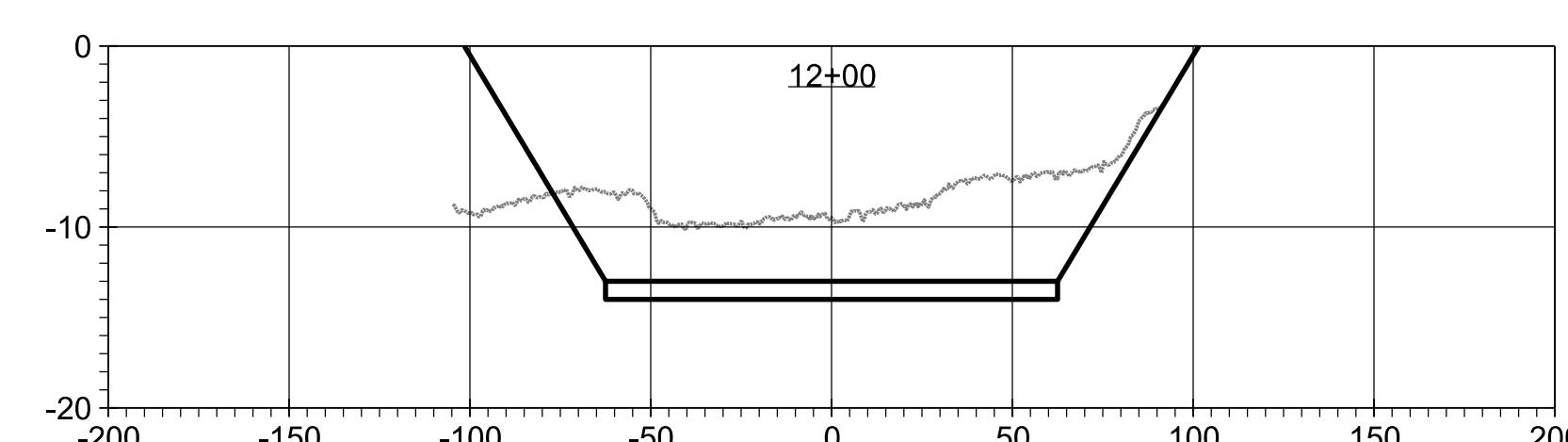
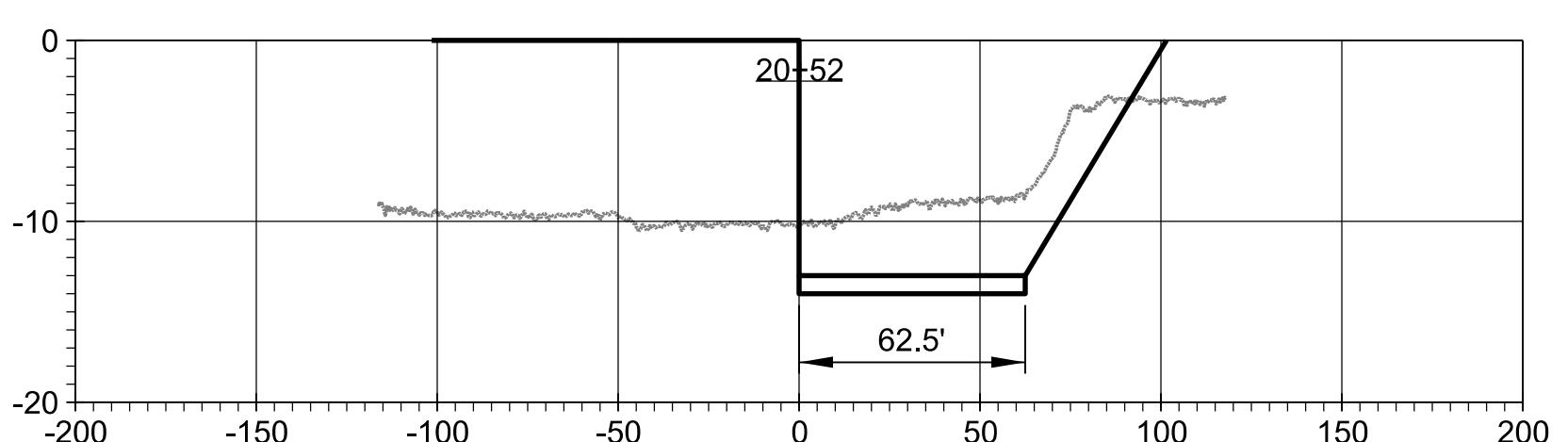
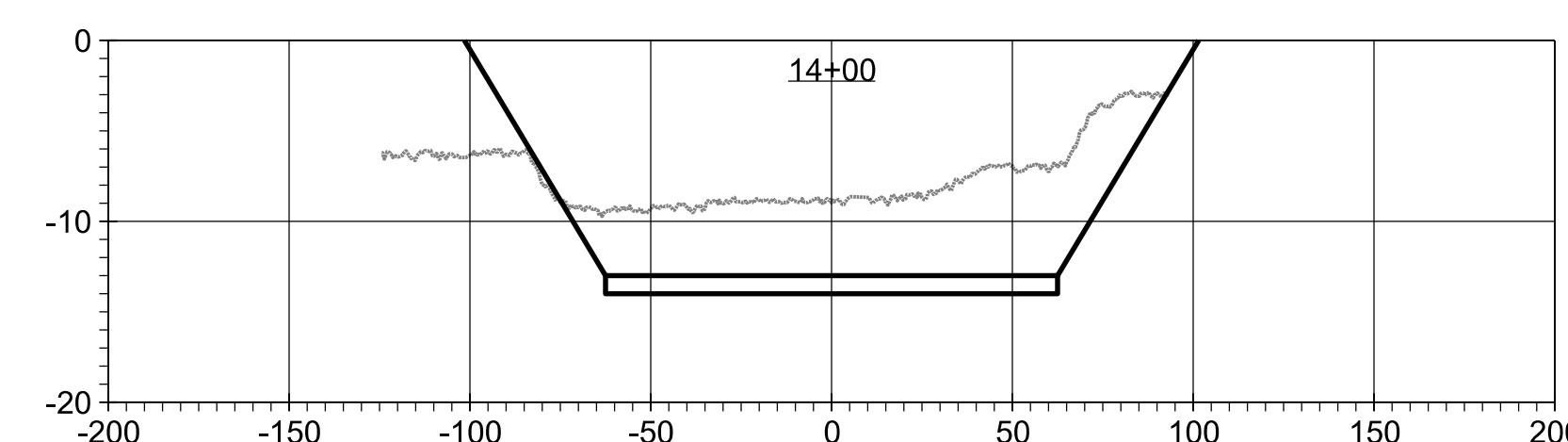
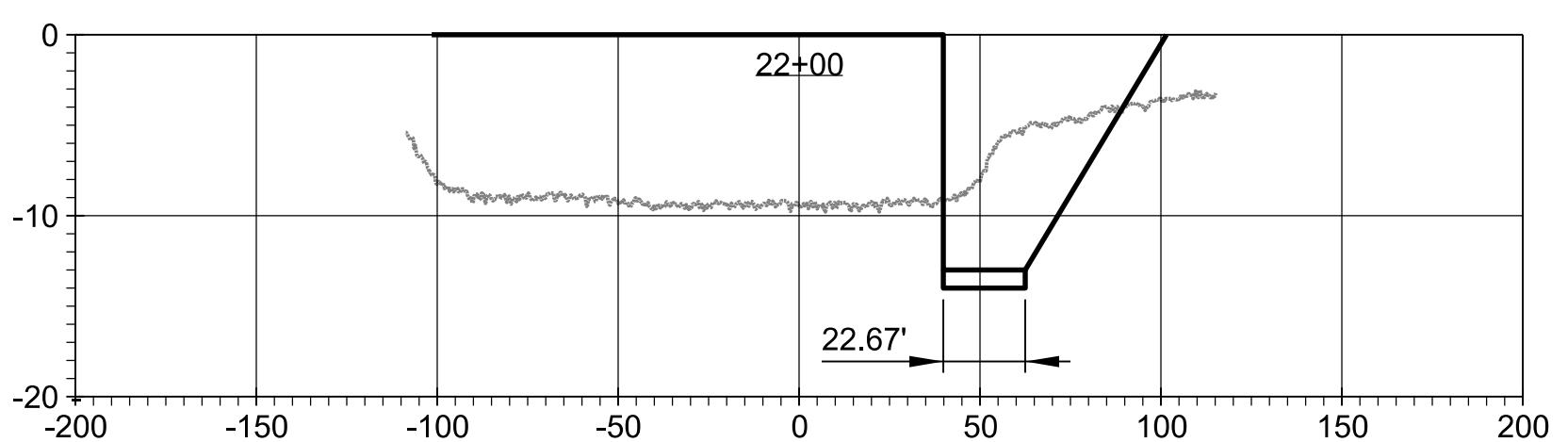
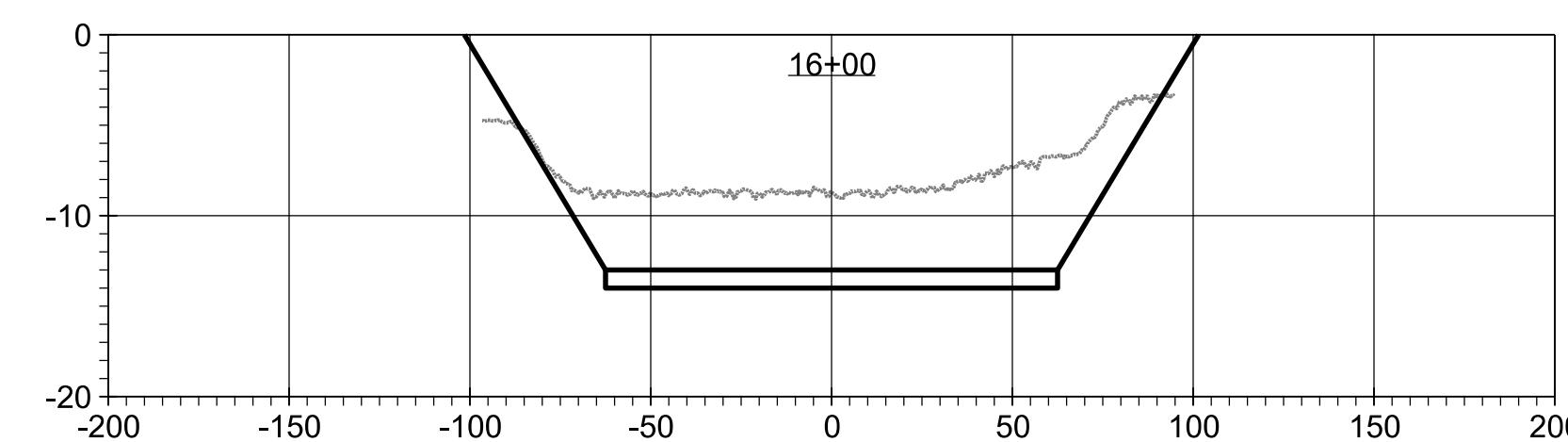
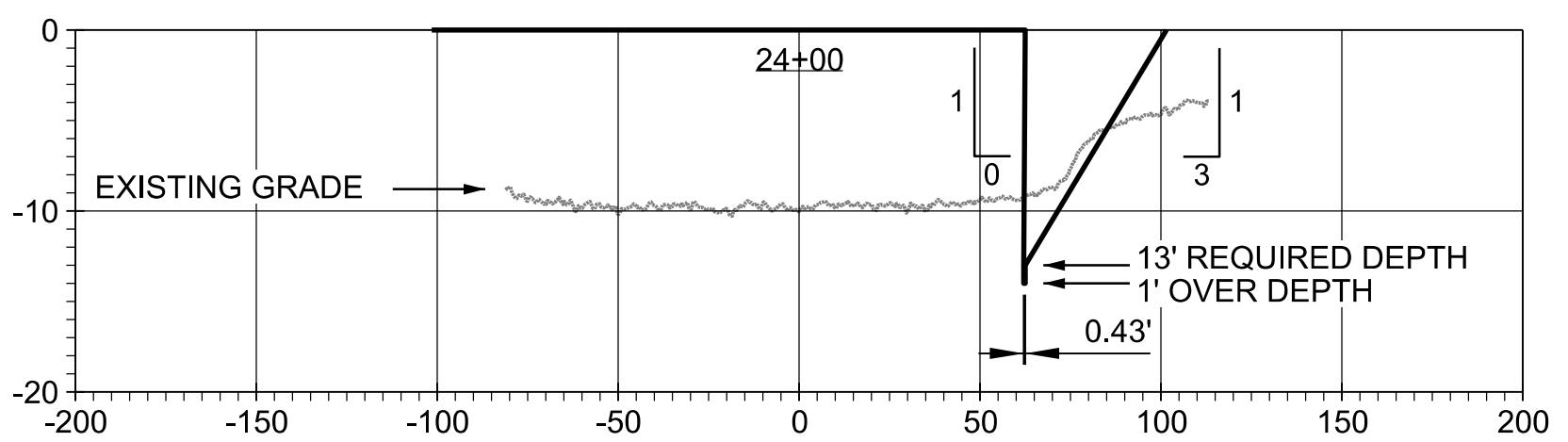
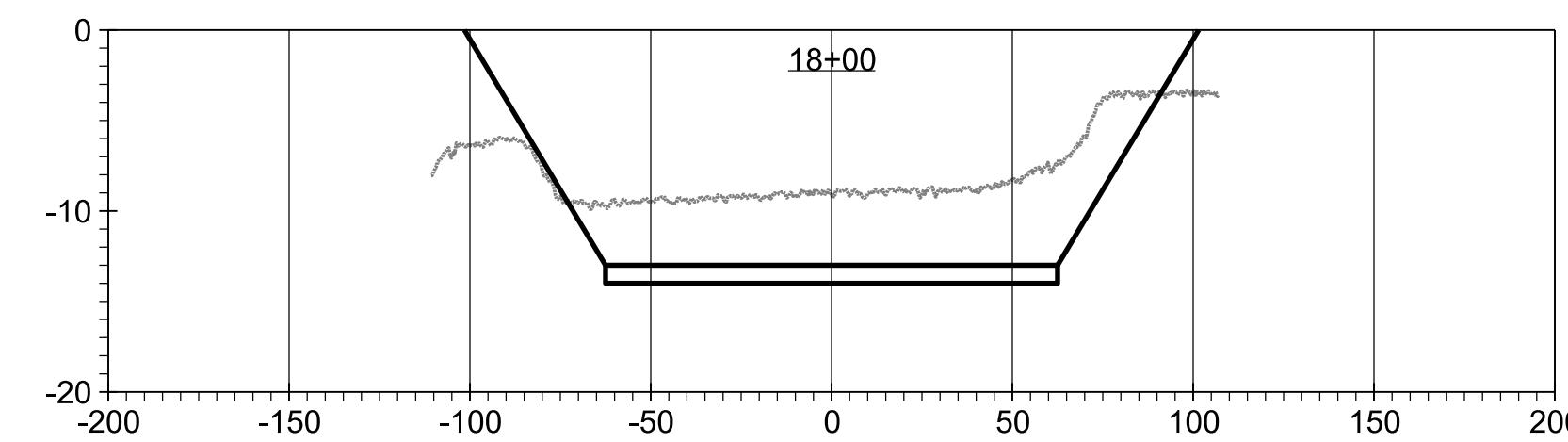
CT REVIEW - NOT FOR CONSTRUCTION

U.S. ARMY CORPS OF ENGINEERS	DESIGNED BY:	J. DOODEK	ISSUE DATE:	JANUARY 2023
GALVESTON DISTRICT	DRAWN BY:	R. FARISI, WALLS	SOLICITATION NO.:	W912HY23B006
2000 FORT POINT ROAD	CHECKED BY:	J. MILLER	CONTRACT NO.:	W912HY23C
GALVESTON, TEXAS 77550	SUBMITTED BY:	RAYLENE HYLAND, P.E.	SWG FILE NO.:	IWW 1101-0300
15201 DELANY RD	SIZE:	IVWW	ANSID:	ANSI D
LA MARQUE, TX 77568				

...IWW-1100.GWW...1101-0300.Rollover to Causeway and Bolivar Pt.C.pdf	DATE:	
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GENERAL SHEET NOTES

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US Army Corps
of Engineers®C-316.lgn
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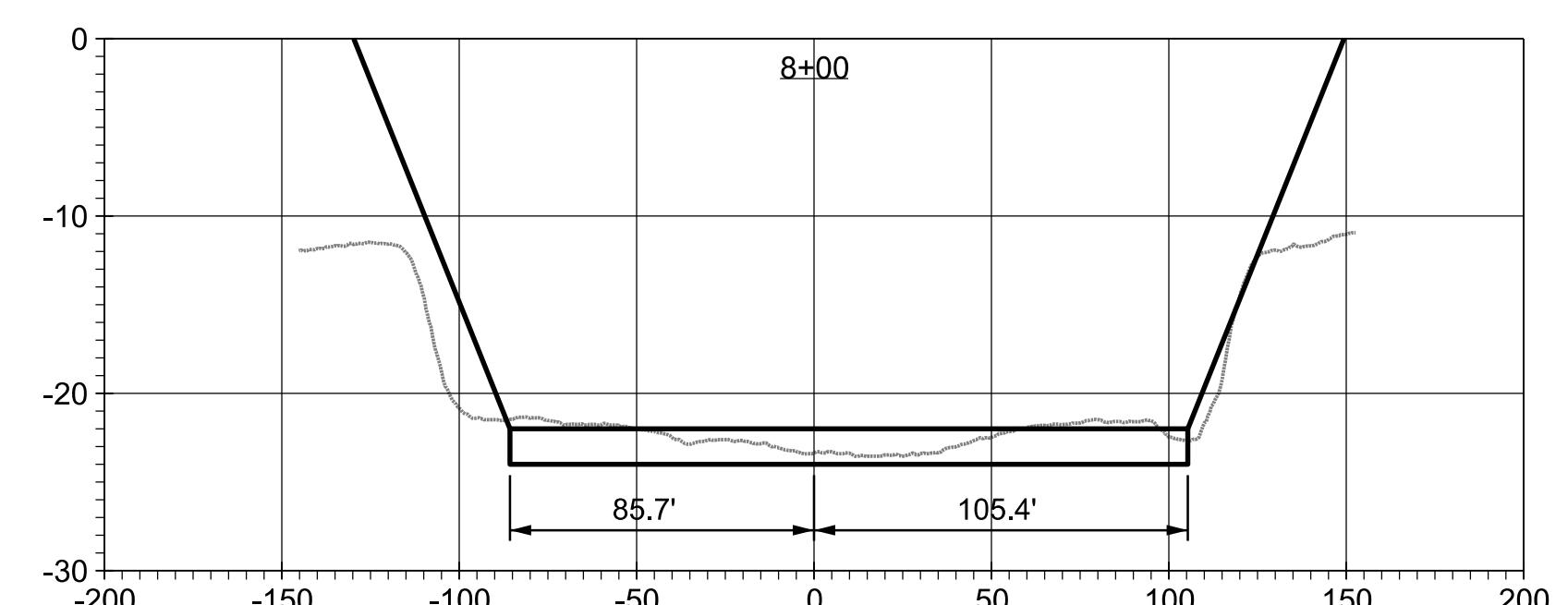
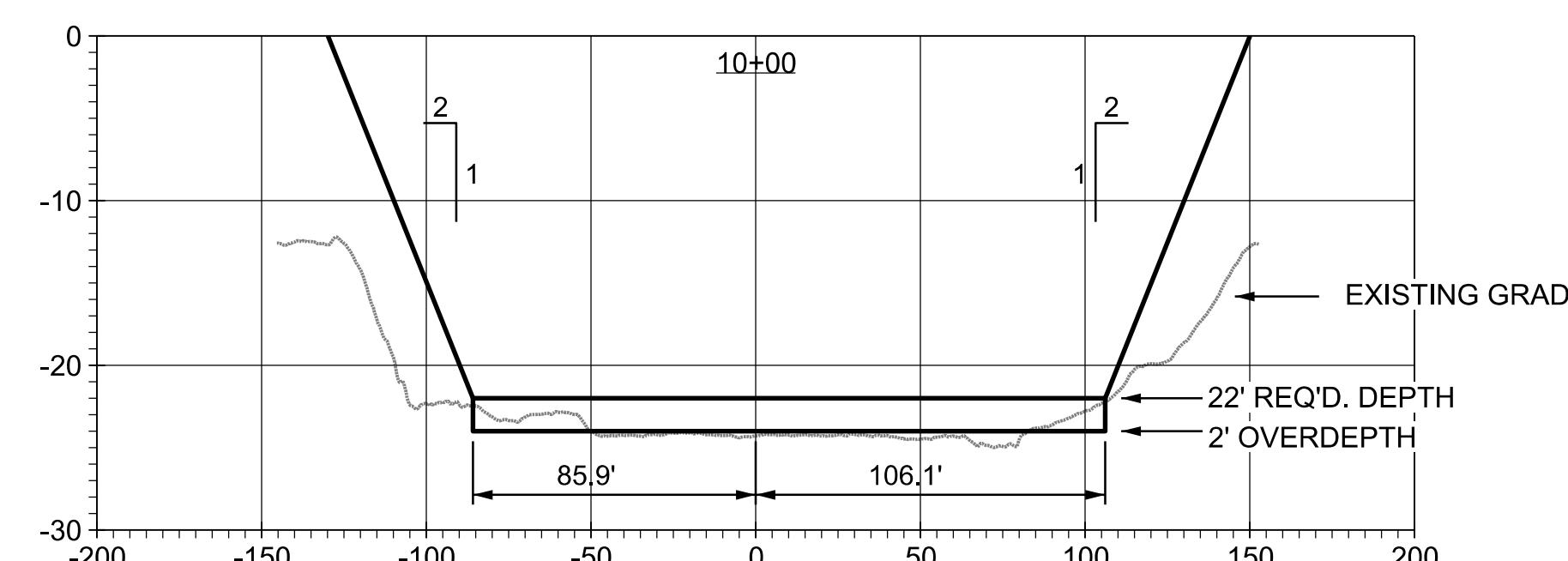
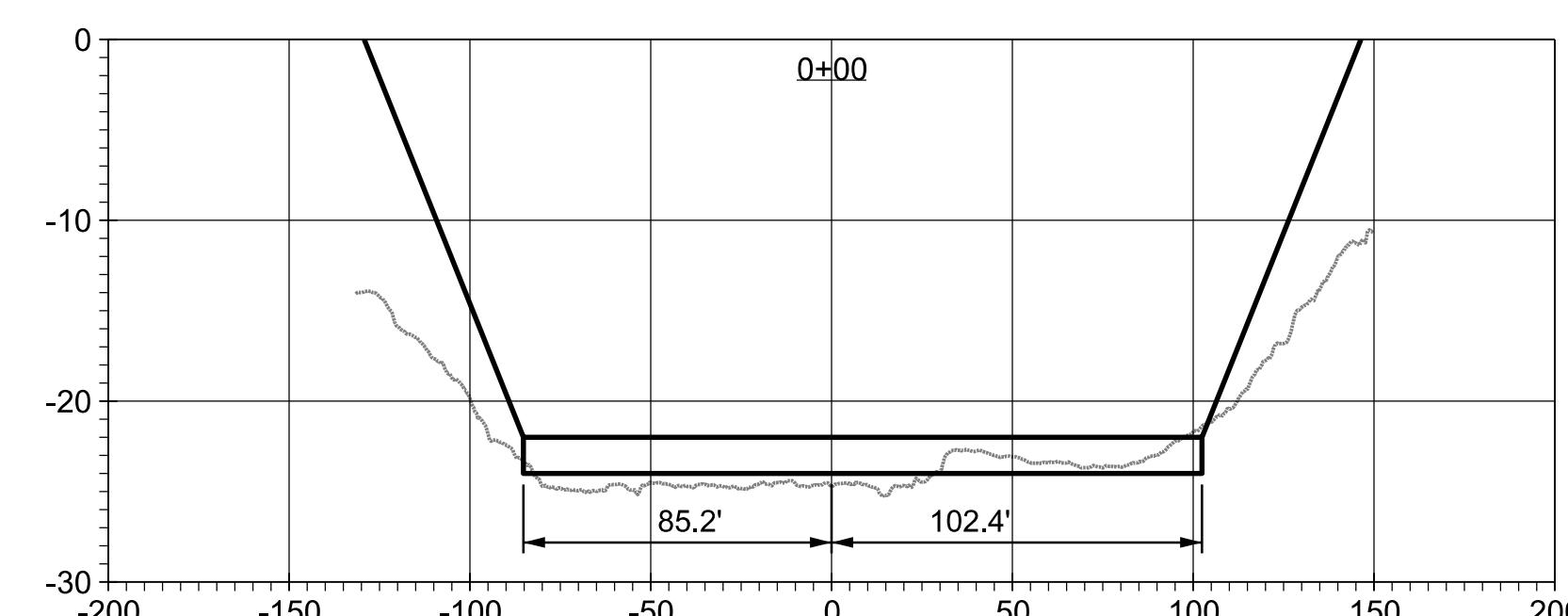
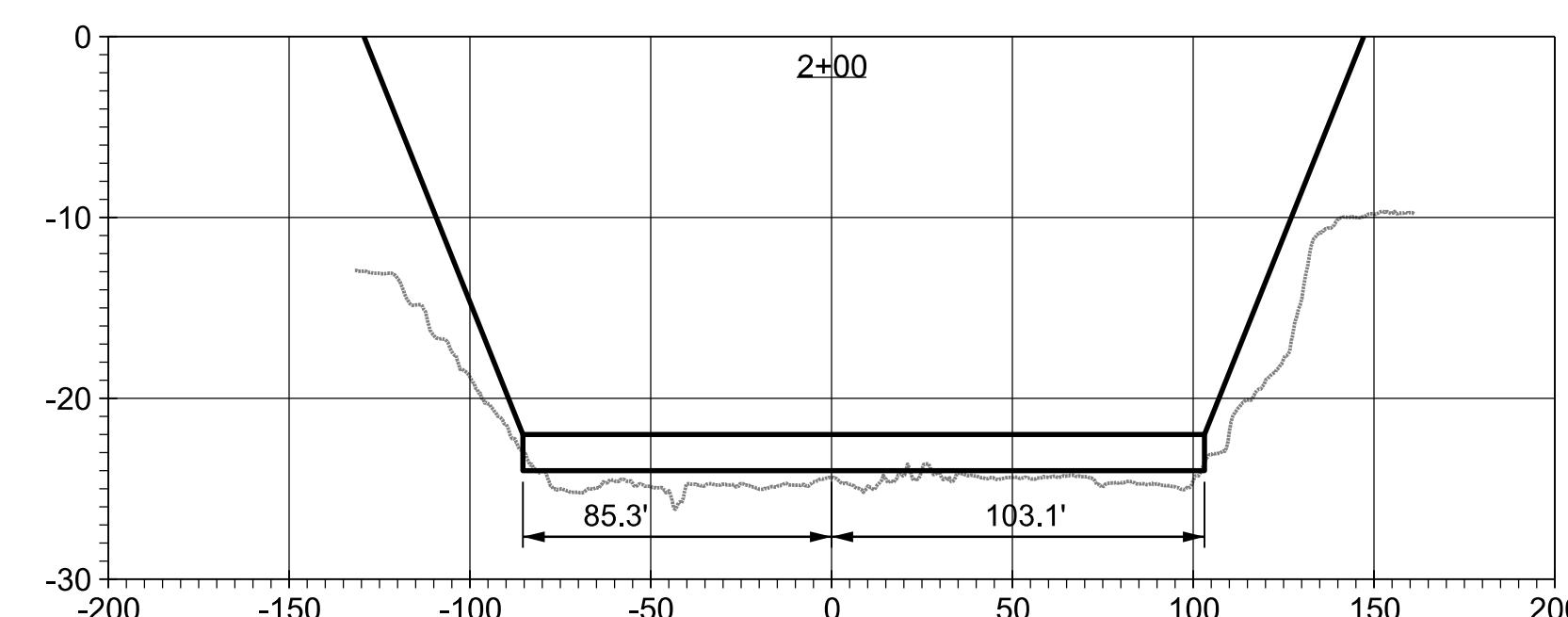
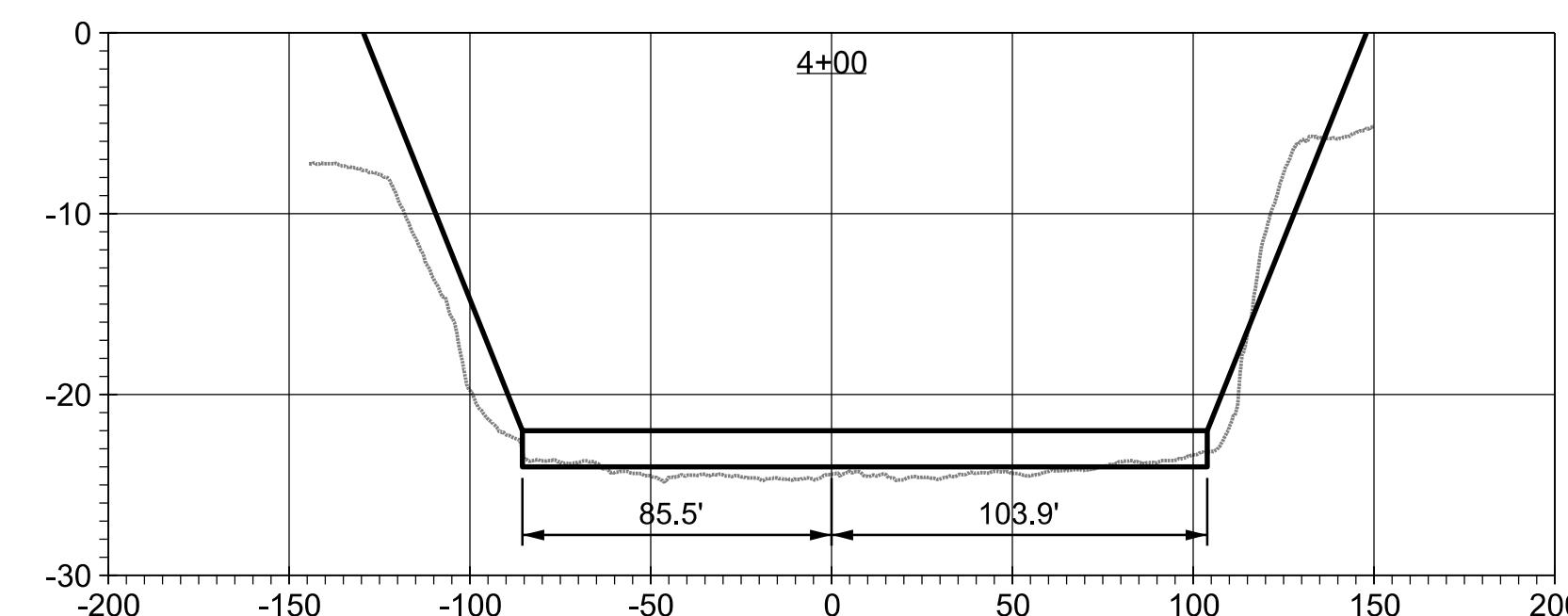
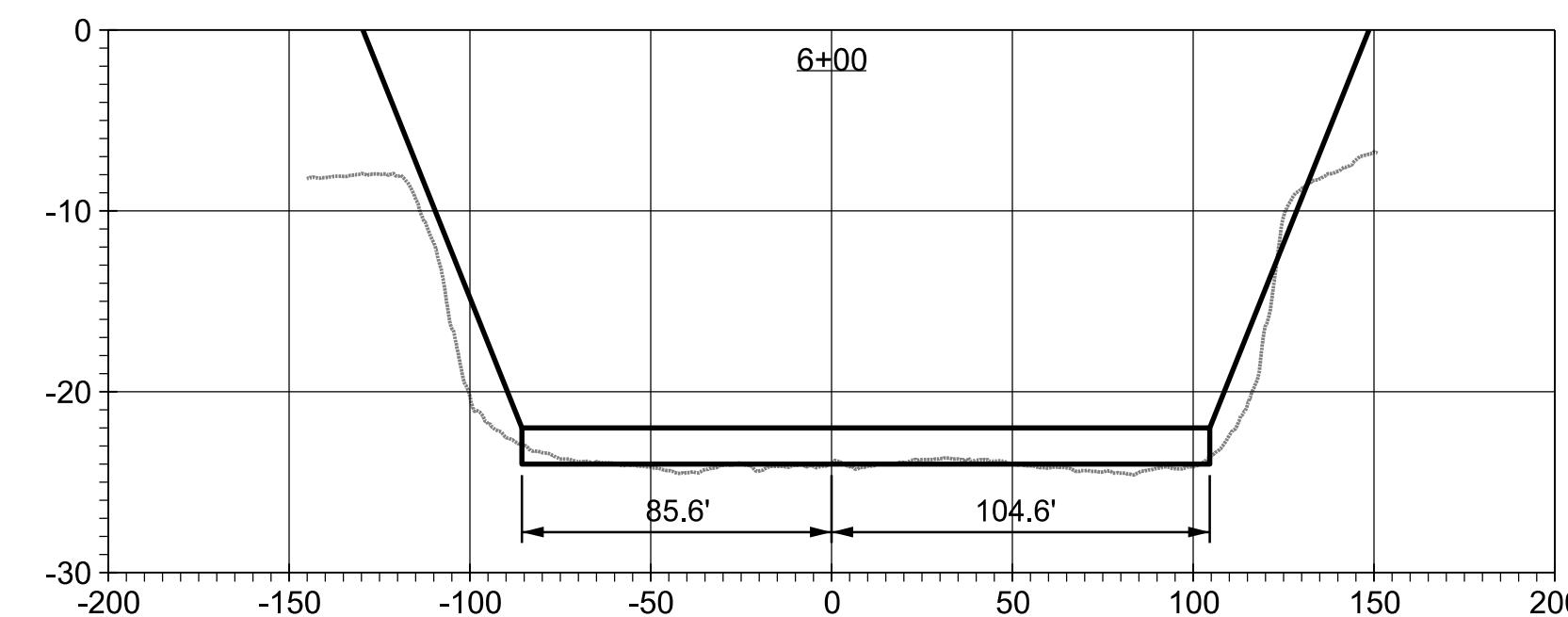
GULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES
OFFAITS BAYOU WEST WYE
CROSS SECTIONS
STA. 8+06 TO STA. 24+00

SHEET ID
C-316

CT REVIEW - NOT FOR CONSTRUCTION

GENERAL SHEET NOTES

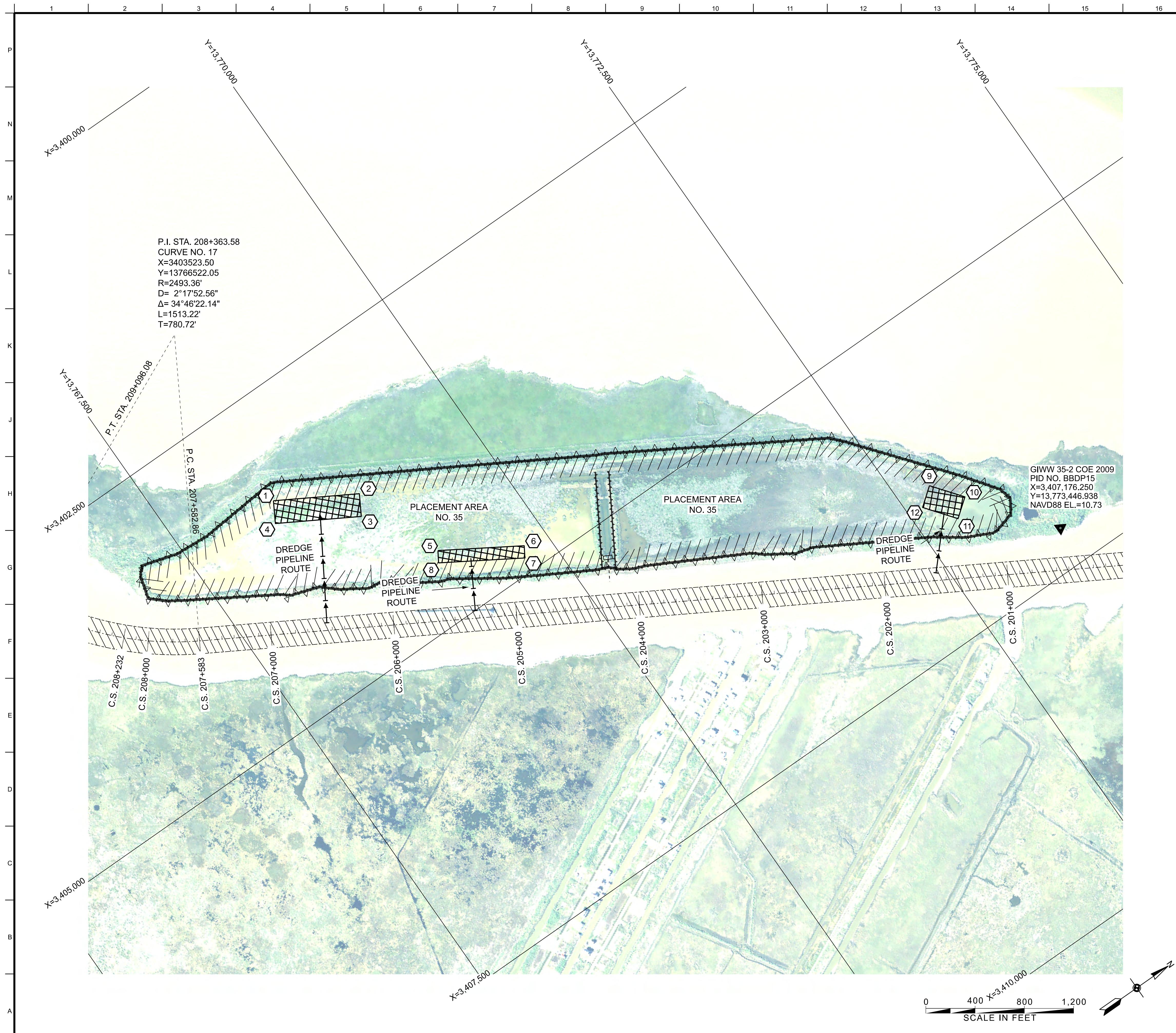
1. SURVEY DATE - APRIL 2022

US Army Corps
of Engineers®C-317.ign
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HORIZONTALGULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES
NORTH FERRY CHANNEL
CROSS SECTIONS
STA. 0+30 TO STA. 10+00

SHEET ID

C-317

CT REVIEW - NOT FOR CONSTRUCTION



SHEET KEYNOTES

**PLACEMENT AREA NO. 35 DISCHARGE CORRIDOR
COORDINATES:**

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4 X=3,403,489.96, Y=13,768,246.59

5 X=3,404,426.94, Y=13,769,201.77
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7 X=3,404,881.22, Y=13,769,745.92
8 X=3,404,511.98, Y=13,769,149.16

9 X=3,406,284.44, Y=13,772,773.24
10 X=3,406,524.08, Y=13,772,957.07
11 X=3,406,636.95, Y=13,772,809.94
12 X=3,406,397.31, Y=13,772,626.10

- 9 X=3,406,284.44, Y=13,772,773.24
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US Army Corps
of Engineers®

orps
s®
0300_C-401_Plan.dgn

U.S. ARMY CORPS OF ENGINEERS		ISSUE DATE: JANUARY 2023
GALVESTON DISTRICT		DRAWN BY: R. FARIAS/T. WALLS
2000 FORT POINT ROAD		SOLICITATION NO.: W912HY23B0006
GALVESTON, TEXAS 77550		CHECKED BY: J. MILLER
		CONTRACT NO.: W912HY23C
		SUBMITTED BY: RAYLENE HYLLAND, P.E.
		SWG FILE NO.: IMWW 1101-0300
SIZE: ANSI D		
GALVESTON RESIDENT OFFICE 15201 DELANY RD LA MARQUE, TX 77568		

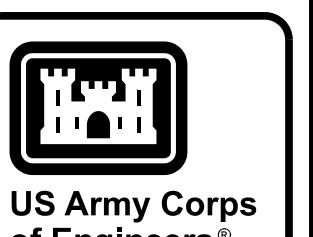
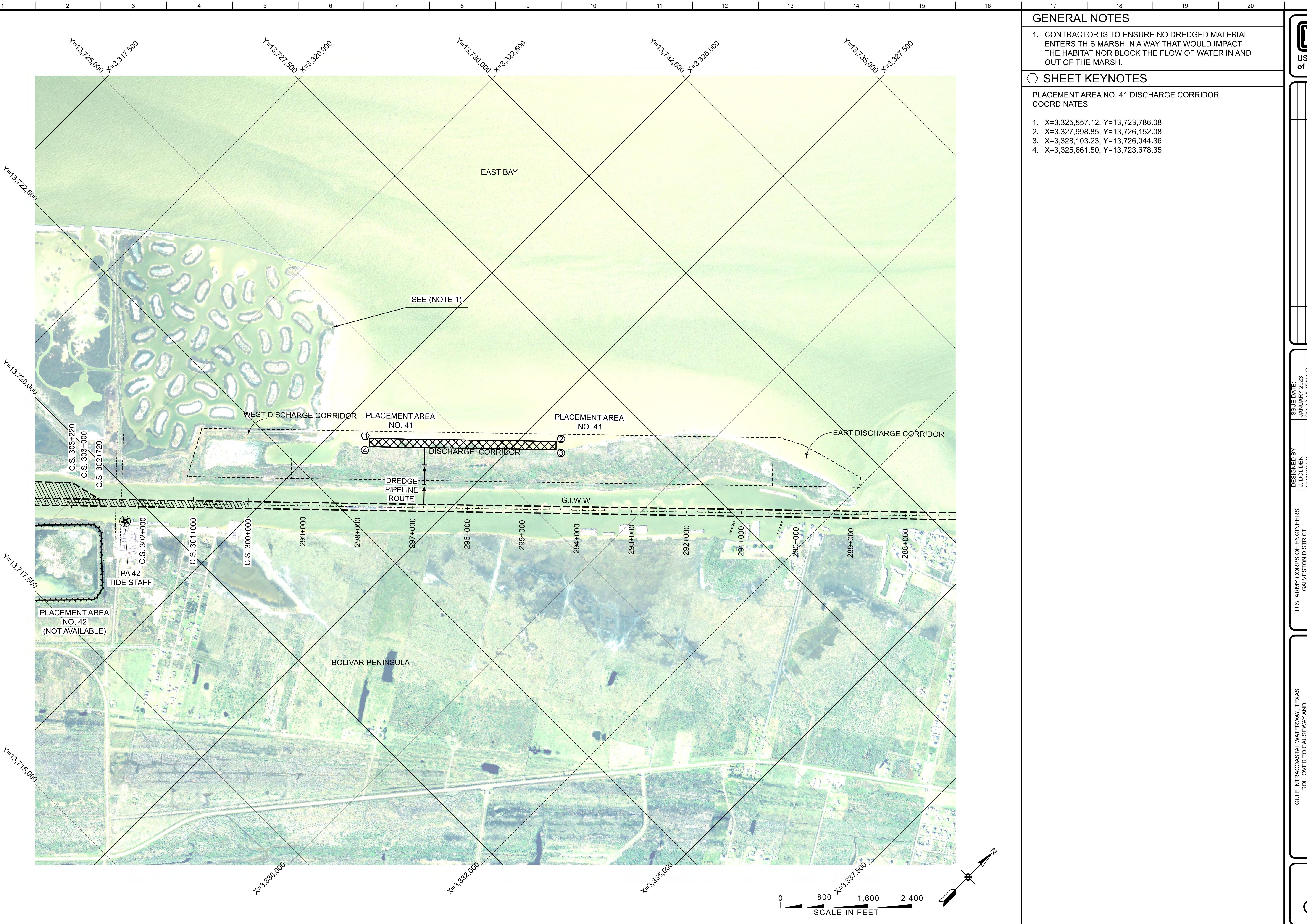
**GULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES**

**PLACEMENT AREA NO. 35
PLAN**

SHEET ID

C-401

CT REVIEW - NOT FOR CONSTRUCTION



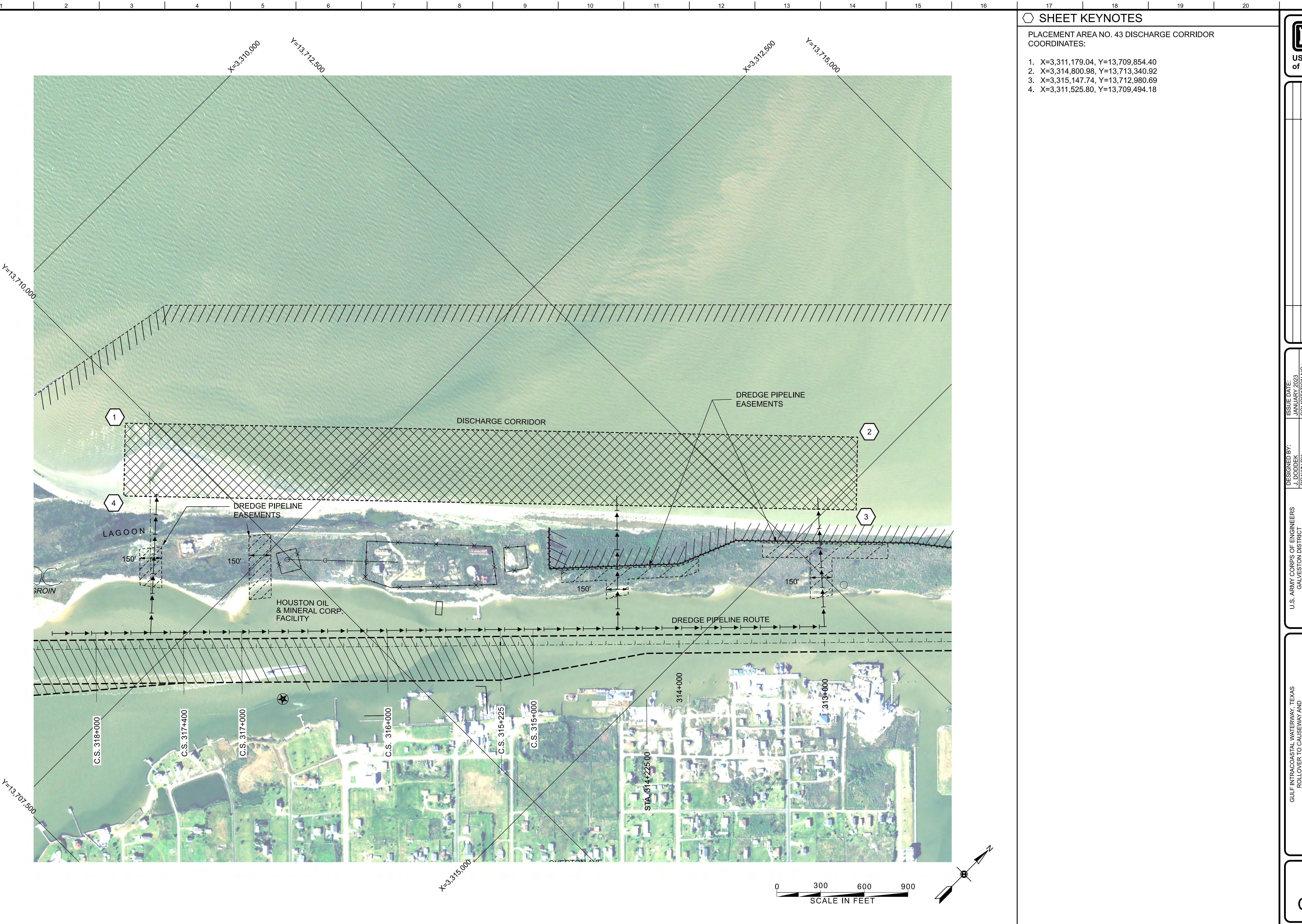
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MARK	DESCRIPTION	DATE
DS_AEC_Screen_FullSize.descript		

GULF INTRACOASTAL WATERWAY, TEXAS ROLLOVER TO CAUSEWAY AND CHOCOLATE BAYOU PIPELINE DREDGING IN BRAZORIA AND GALVESTON COUNTIES	
PLACEMENT AREA NO. 41 PLAN	

CT REVIEW - NOT FOR CONSTRUCTION



US Army Corps
of Engineers®

Plan C-403
7:46:23 AM 1/29/2023

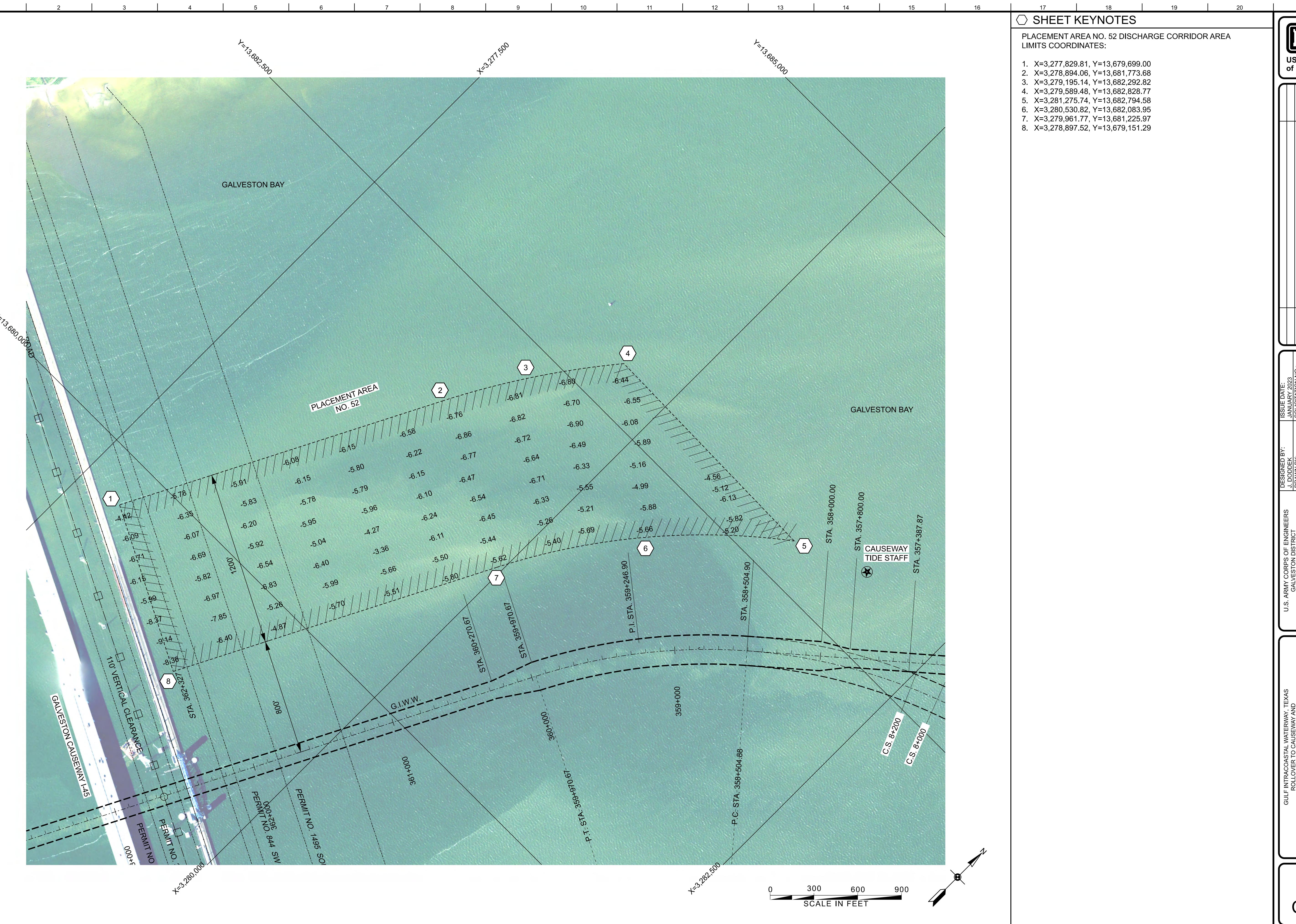
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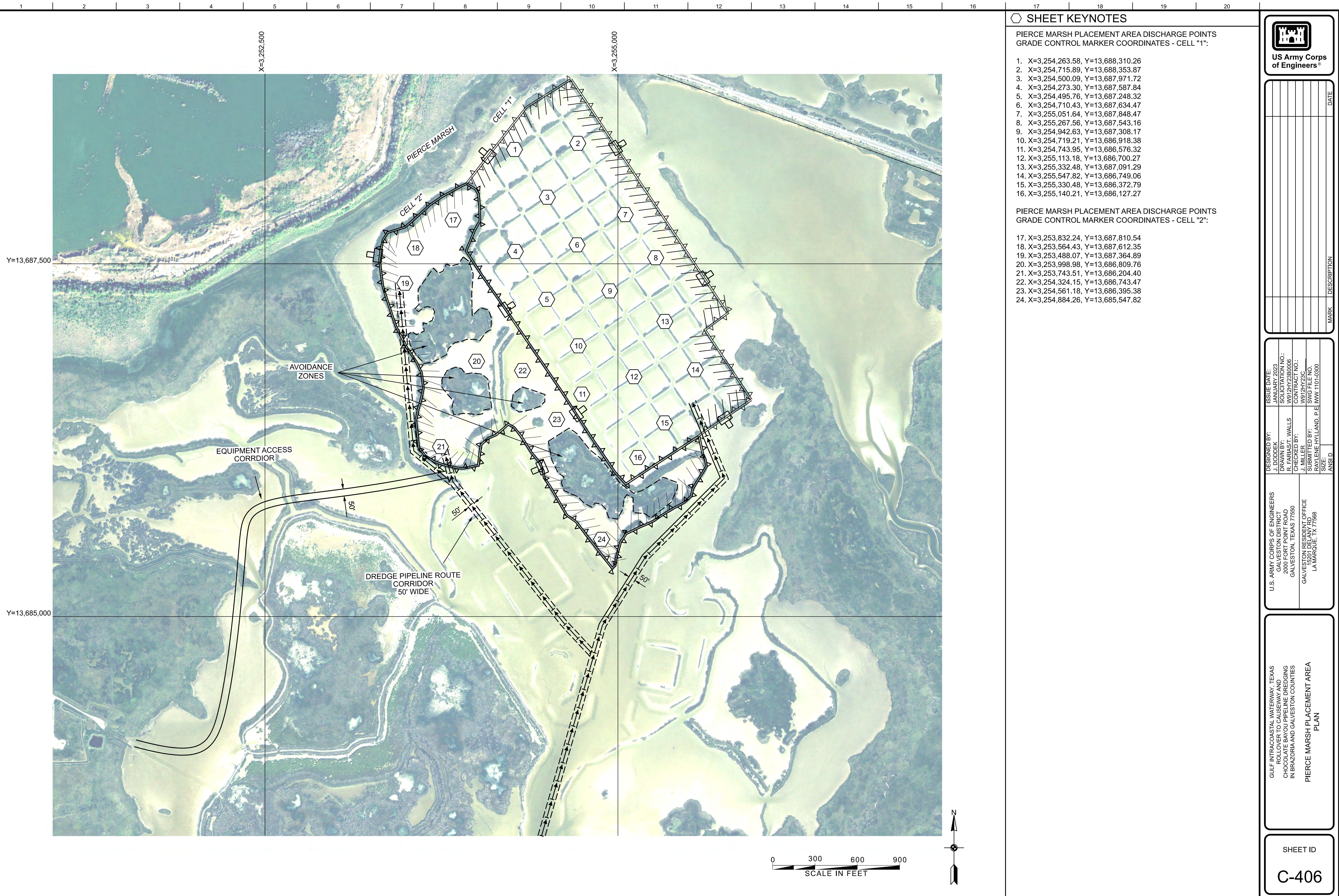
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DATE

MARK DESCRIPTION

CT REVIEW - NOT FOR CONSTRUCTION





US Army Corps
of Engineers®

Plan.sgn
7:46:52 AM 1/29/2023

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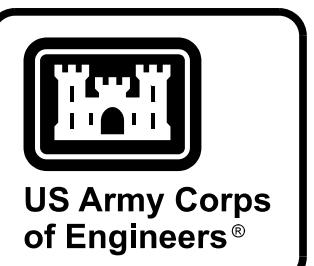
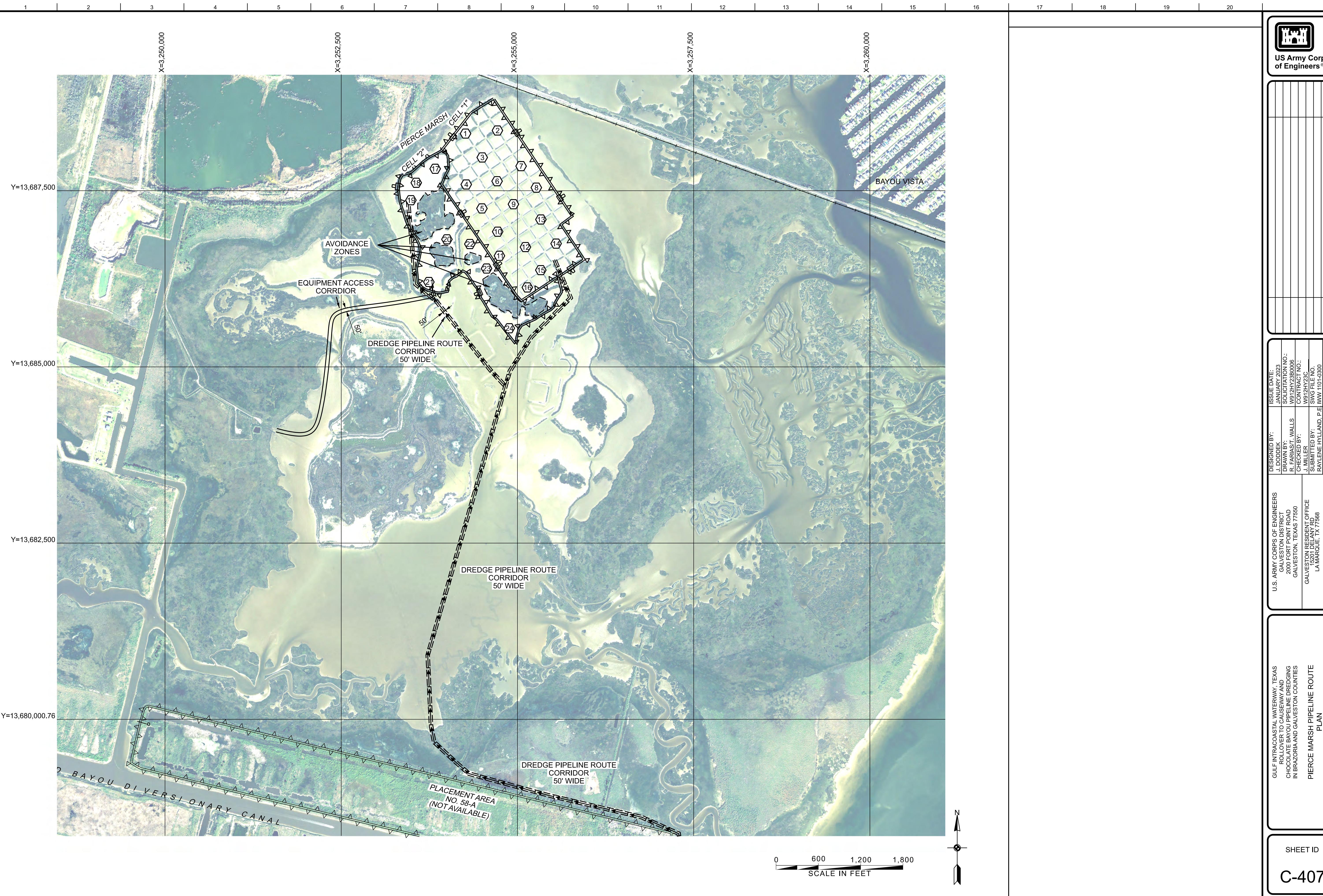
DATE

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DATE

1101-0300_C-406_Plan.sgn

DATE

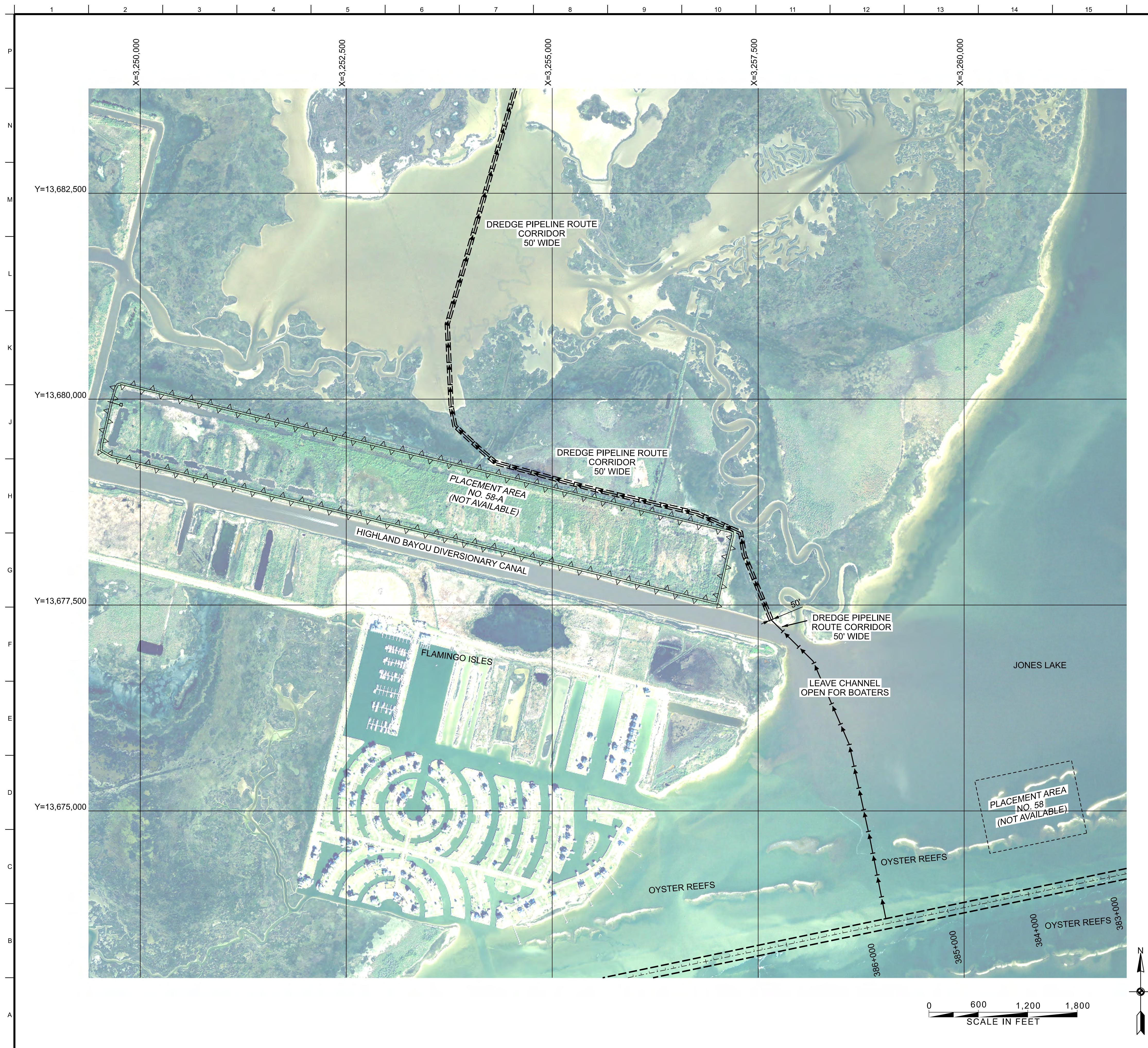
US Army Corps
of Engineers®Plan.dwg
7/29/2023
C-407...\\WW-1100_GWW..\\1101-0300_Rollover to Causeway and Bolivar FY22...\\1101-0300_C-407.dwg
DS_AEC_Screen_FullSize.dscrpt PD_AEC_C.pdf.ptcig
7/27/01 AM 1:29:00

U.S. ARMY CORPS OF ENGINEERS GALVESTON DISTRICT 2000 FORT POINT ROAD GALVESTON, TEXAS 77550	DESIGNED BY: J.DODDEK DRAWN BY: R.FARIS/T. WALLS CHECKED BY: J.MILLER SUBMITTED BY: RAYLENE HYLAND, P.E. SIZE: ANSI D	ISSUE DATE: JANUARY 2023 SOLICITATION NO: W912HY28B006 CONTRACT NO: W912HY23C SWG FILE NO: IWV 1101-0300
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GULF INTRACOASTAL WATERWAY, TEXAS ROLLOVER TO CAUSEWAY AND CHOCOLATE BAYOU PIPELINE DREDGING IN BRAZORIA AND GALVESTON COUNTIES PIERCE MARSH PIPELINE ROUTE PLAN

MARK	DESCRIPTION	DATE

CT REVIEW - NOT FOR CONSTRUCTION



SHEET ID
C-408

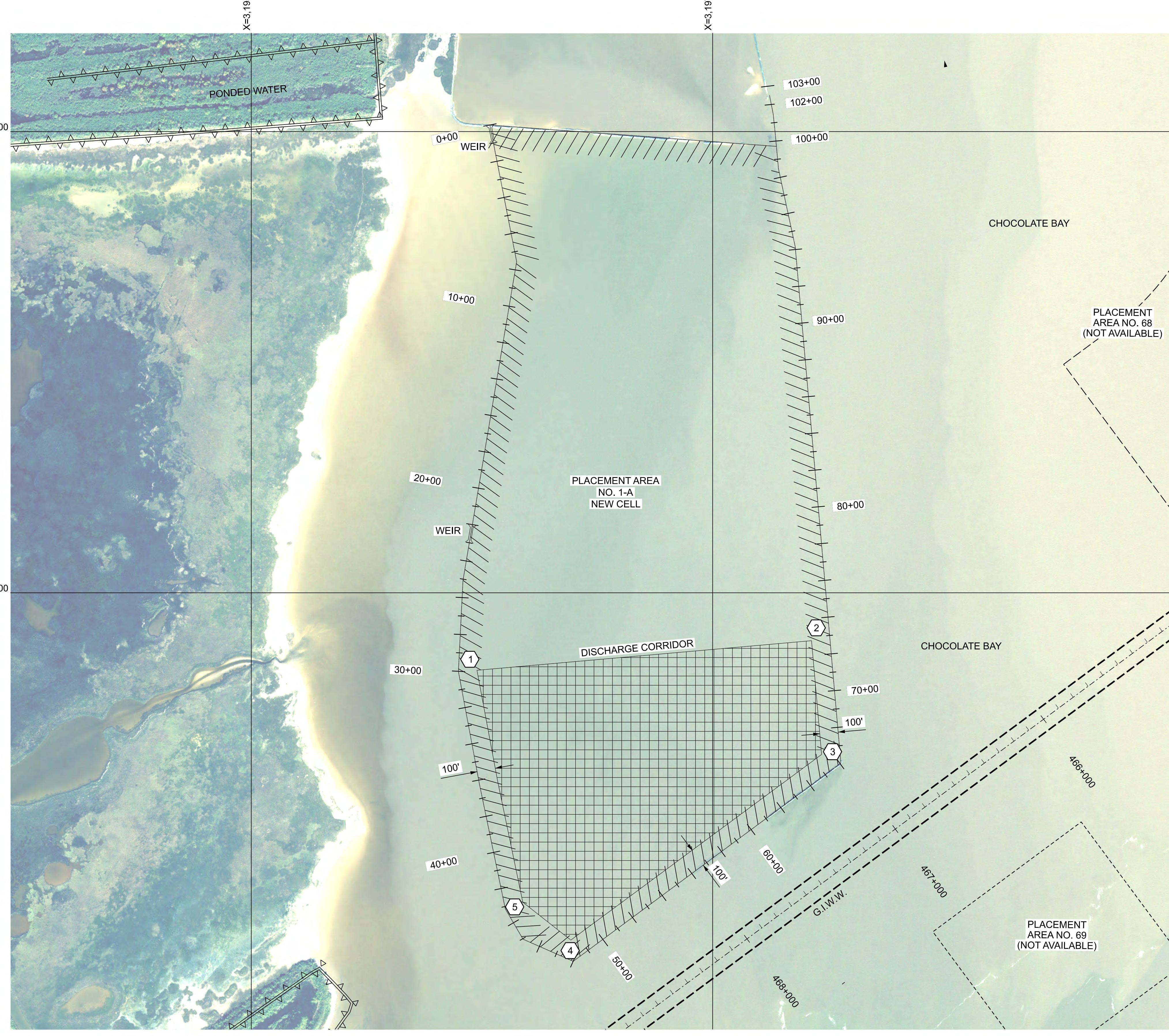
PIERCE MARSH PIPELINE ROUTE PLAN

ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES

U.S. ARMY CORPS OF ENGINEERS GALVESTON DISTRICT 2000 FORT POINT ROAD GALVESTON, TEXAS 77550		DESIGNED BY: J. DODDEK	ISSUE DATE: JANUARY 2023
		DRAWN BY: R. FARIA/S.T. WALLS	SOLICITATION NO.: W912HY23B0006
		CHECKED BY: J. MILLER	CONTRACT NO.: W912HY23C
		SUBMITTED BY: RAYLENE HYLLAND, P.E.	SWG FILE NO. IW 1101-0300
		SIZE: ANSID	
GALVESTON RESIDENT OFFICE 15201 DELANY RD LA MARQUE, TX 77568			

CT REVIEW - NOT FOR CONSTRUCTION

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SHEET KEYNOTES

PLACEMENT AREA NO. 1-A DISCHARGE CORRIDOR COORDINATES:

1. X=3,196,222.62, Y=13,624,580.02
2. X=3,198,035.73, Y=13,624,740.43
3. X=3,198,090.31, Y=13,624,123.52
4. X=3,196,731.58, Y=13,623,117.19
5. X=3,196,470.93, Y=13,623,322.87



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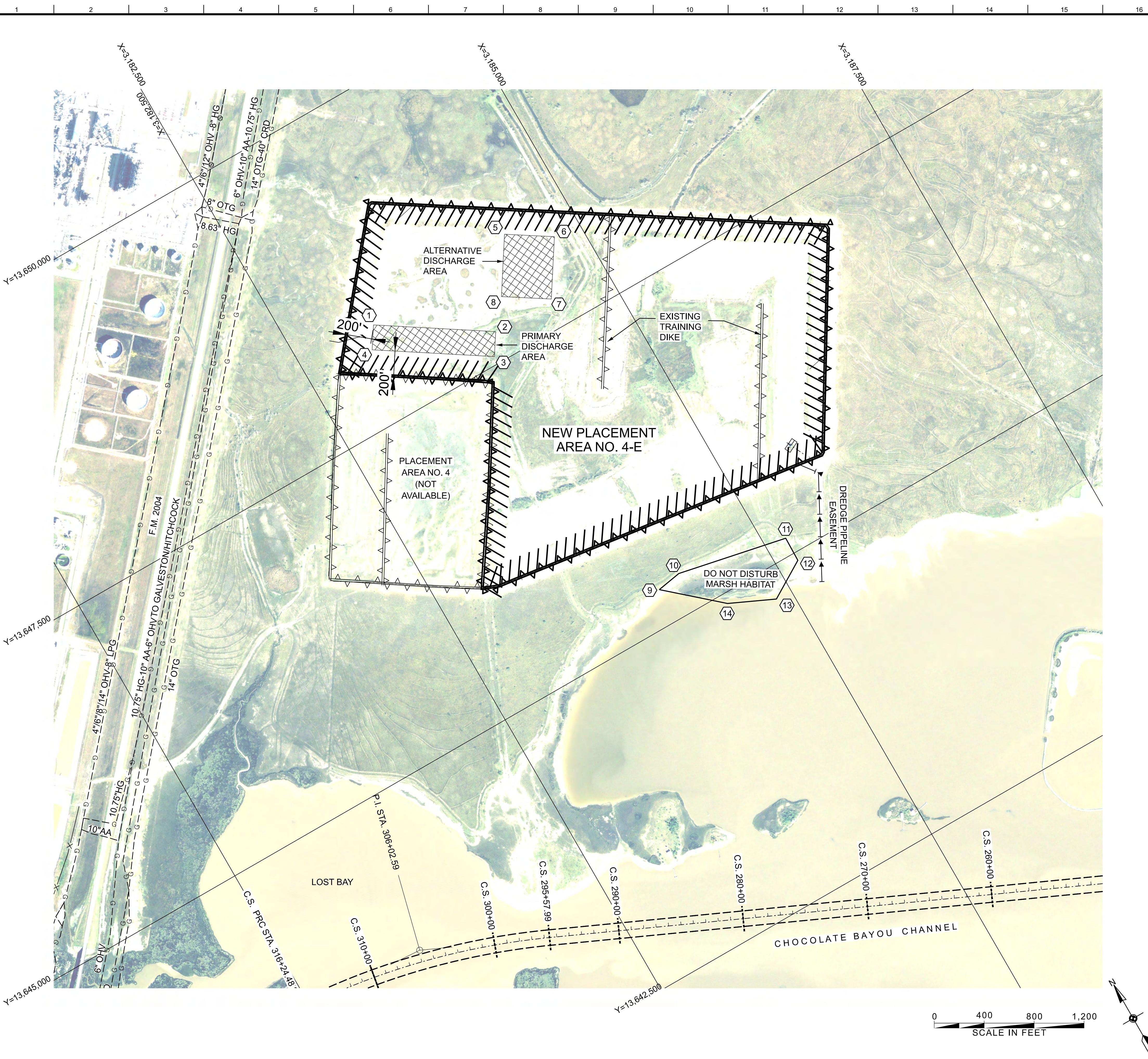
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U.S. ARMY CORPS OF ENGINEERS GALVESTON DISTRICT 2000 FORT ROAD GALVESTON, TEXAS 77550	DESIGNED BY: J.DODDEK DRAWN BY: R.FARIS/T. WALLS SOLICITATION NO.: W912HY28B006 CONTRACT NO.: W912HY23C CHECKED BY: J.MILLER SUBMITTED BY: RAYLENE HYLAND, PE SWG FILE NO.: IWV 1101-0300 SIZE: ANSI D	ISSUE DATE: JANUARY 2023
GALVESTON RESIDENT OFFICE 15201 DELANY RD LA MARQUE, TX 77568		

GULF INTRACOASTAL WATERWAY, TEXAS ROLLOVER TO CAUSEWAY AND CHOCOLATE BAYOU PIPELINE DREDGING IN BRAZORIA AND GALVESTON COUNTIES
PLACEMENT AREA NO. 1-A PLAN

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SHEET KEYNOTES

**PLACEMENT AREA NO. 4-E DISCHARGE CORRIDOR
COORDINATES:**

1. X=3,183,168.58, Y=13,648,267.16
 2. X=3,183,989.02, Y=13,647,731.18
 3. X=3,183,879.64, Y=13,647,563.75
 4. X=3,183,059.19, Y=13,648,099.72
 5. X=3,184,440.23, Y=13,648,371.66
 6. X=3,184,776.42, Y=13,648,154.91
 7. X=3,184,505.48, Y=13,647,734.68
 8. X=3,184,169.30, Y=13,647,951.43

MARSH HABITAT AVOIDANCE AREA COORDINATES:

9. X=3,184,090.70, Y=13,645,286.41
 10. X=3,184,289.73, Y=13,645,319.78
 11. X=3,185,173.10, Y=13,645,136.68
 12. X=3,185,168.25, Y=13,644,934.63
 13. X=3,184,864.92, Y=13,644,752.15
 14. X=3,184,507.89, Y=13,644,917.28

U.S. ARMY CORPS OF ENGINEERS GALVESTON DISTRICT 2000 FORT POINT ROAD GALVESTON, TEXAS 77550	DESIGNED BY:	J. DODDEK	ISSUE DATE:	JANUARY 2023
	DRAWN BY:	R. FARIA/S.T. WALLS	SOLICITATION NO.:	W912HY23B0006
	CHECKED BY:	J. MILLER	CONTRACT NO.:	W912HY23C
	SUBMITTED BY:	RAYLENE HYLLAND, P.E.	SWG FILE NO.:	IWW 1101-0300
	SIZE:	ANSI D		
GALVESTON RESIDENT OFFICE 15201 DELANY RD LA MARQUE, TX 77568				

GULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES

PLACEMENT AREA NO. 4-E
PLAN

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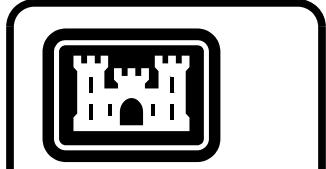
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

GENERAL SHEET NOTES

1. THE CONTRACTOR SHALL CONSTRUCT THE BERM SLOPES TO THE ANGLE OF REPOSE.



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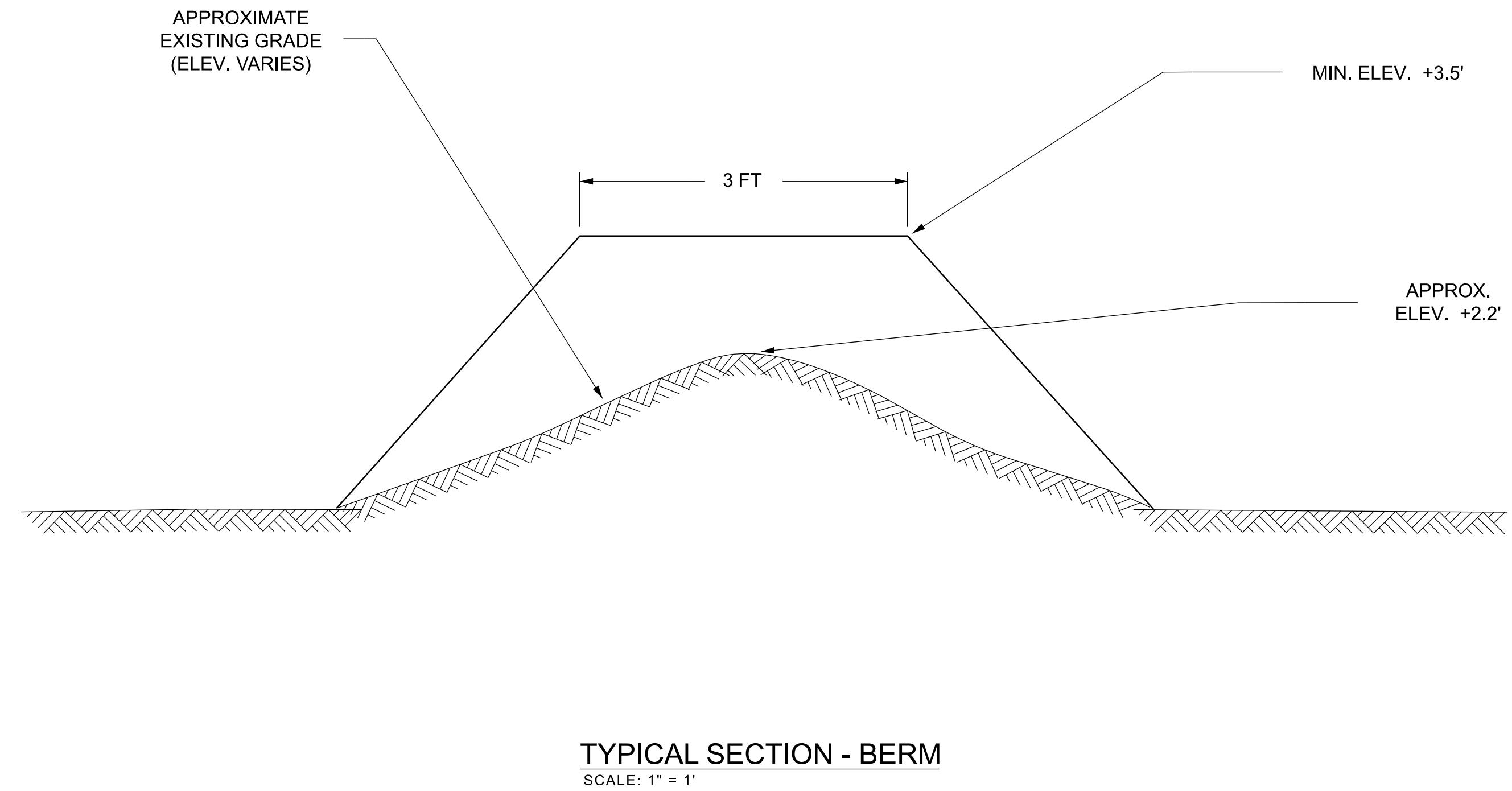
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DATE



A1 TYPICAL SECTION - BERM



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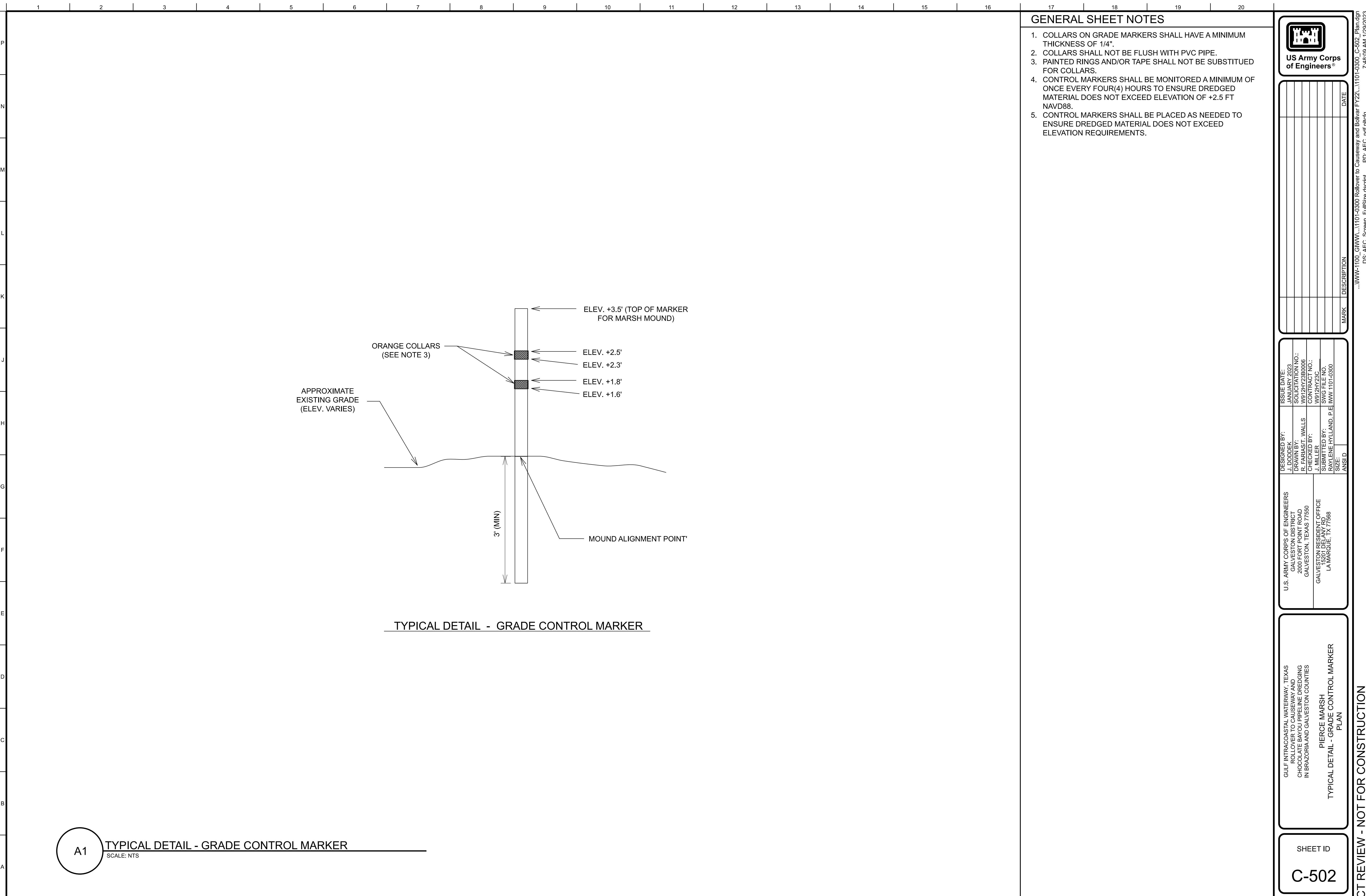
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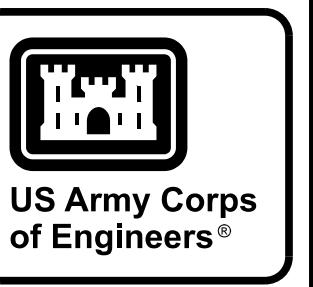
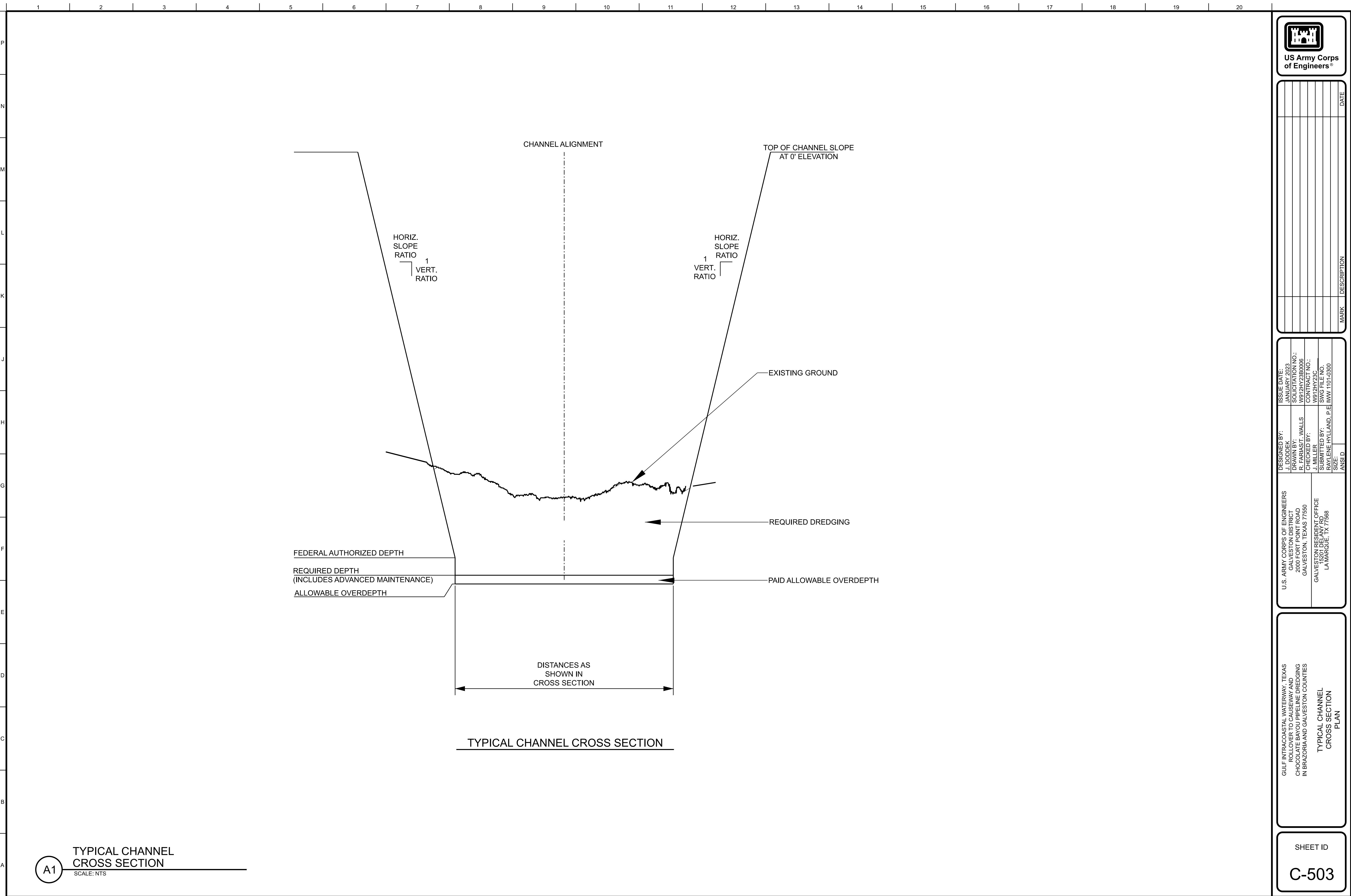
GULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES
PIERCE MARSH
TYPICAL SECTION - BERM
PLAN

U.S. ARMY CORPS OF ENGINEERS
GALVESTON DISTRICT
2000 FORT POINT ROAD
GALVESTON, TEXAS 77550
GALVESTON RESIDENT OFFICE
15201 DELANY RD
LA MARQUE, TX 77568

DESIGNED BY: J.DODDEK ISSUE DATE: JANUARY 2023
DRAWN BY: R.FARISIT, WALLS SOLICITATION NO.: W912HY23B006
CHECKED BY: J.MILLER CONTRACT NO.: W912HY23C
SUBMITTED BY: RAYLENE HYLAND, P.E. SWG FILE NO.: IWW 1101-0300
SIZE: ANSI D MARK DESCRIPTION

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U.S. ARMY CORPS OF ENGINEERS GALVESTON DISTRICT 2000 FORT POINT ROAD GALVESTON, TEXAS 77550	DESIGNED BY: J.DODDEK	ISSUE DATE: JANUARY 2023
SOLICITATION NO.: W912HZY23B006	DRAWN BY: R.FARIS,T.WALLS	CONTRACT NO.: W912HZY23C
CHECKED BY: J.MILLER	SWG FILE NO.: IWV 1101-0300	SUBMITTED BY: RAYLENE HYLAND, P.E. SIZE: ANSI D
GALVESTON RESIDENT OFFICE 15201 DELANY RD LA MARQUE, TX 77568	MARK	DESCRIPTION

GULF INTRACOASTAL WATERWAY, TEXAS
ROLLOVER TO CAUSEWAY AND
CHOCOLATE BAYOU PIPELINE DREDGING
IN BRAZORIA AND GALVESTON COUNTIES
**TYPICAL CHANNEL
CROSS SECTION
PLAN**