

CHANNEL IMPROVEMENT PROJECT
MATAGORDA SHIP CHANNEL, TEXAS

ENGINEERING APPENDIX FOR
MATAGORDA SHIP CHANNEL
FEASIBILITY STUDY



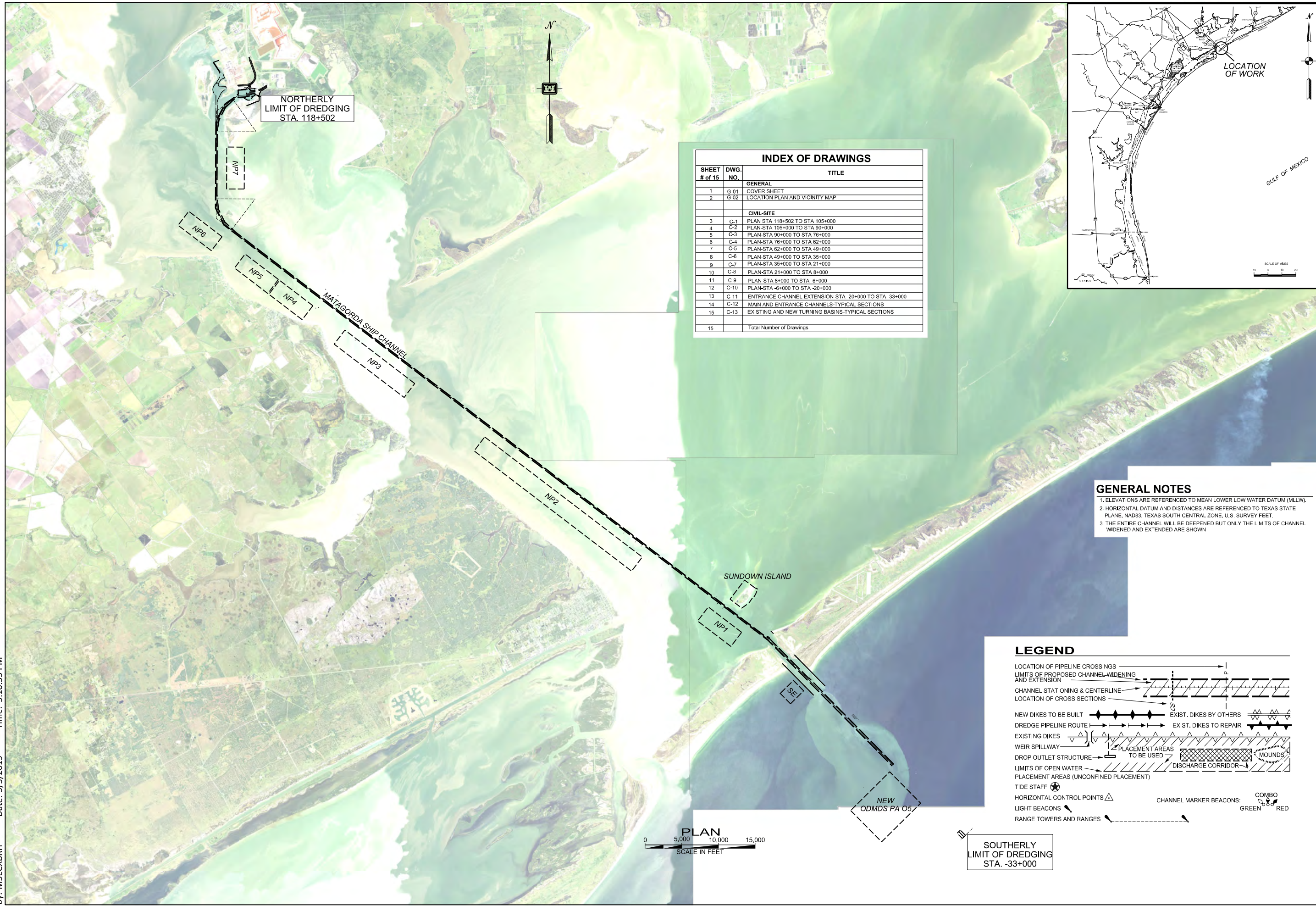
Coastal Navigation and Environmental Restoration

Office of the District Engineer
U. S. Army Engineer District, Galveston
Corps of Engineers
Galveston, Texas

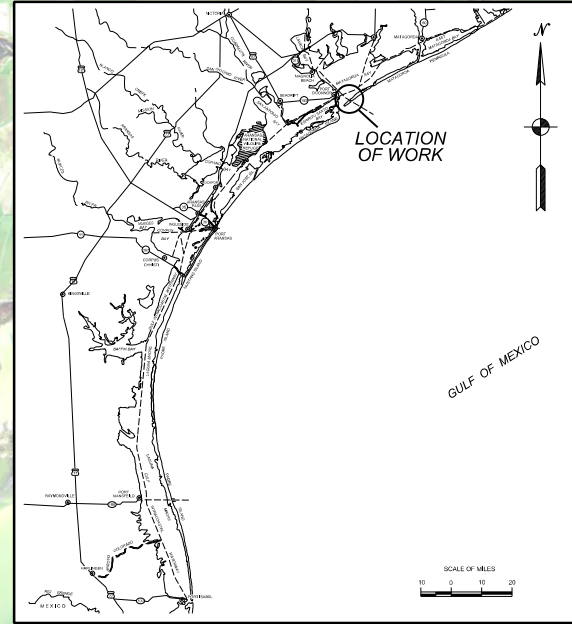
July 2019



File: W:\cadd\projects\quad\705-238 MSC CG Deepening\Plans\0-GUAD-705-238_CONTRACT-PLANS_TxSc83.dgn
 Model Name: G-2-Location
 By: M3ECKBRH Date: 3/5/2019 Time: 3:10:35 PM

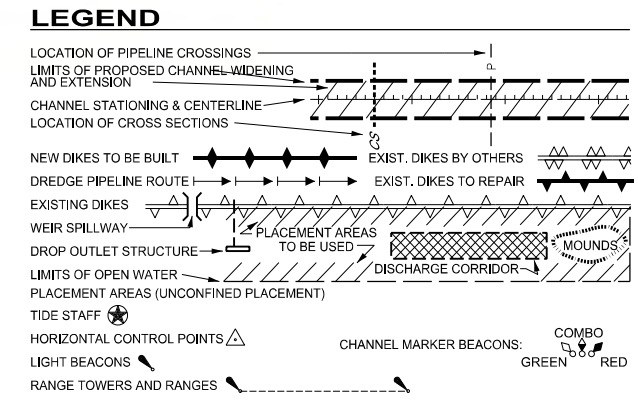


INDEX OF DRAWINGS		
SHEET # of 15	DWG. NO.	TITLE
GENERAL		
1	G-01	COVER SHEET
2	G-02	LOCATION PLAN AND VICINITY MAP
CIVIL-SITE		
3	C-1	PLAN STA 118+502 TO STA 105+000
4	C-2	PLAN STA 105+000 TO STA 90+000
5	C-3	PLAN STA 90+000 TO STA 76+000
6	C-4	PLAN STA 76+000 TO STA 62+000
7	C-5	PLAN STA 62+000 TO STA 49+000
8	C-6	PLAN STA 49+000 TO STA 35+000
9	C-7	PLAN STA 35+000 TO STA 21+000
10	C-8	PLAN STA 21+000 TO STA 8+000
11	C-9	PLAN STA 8+000 TO STA -6+000
12	C-10	PLAN STA -6+000 TO STA -20+000
13	C-11	ENTRANCE CHANNEL EXTENSION-STA -20+000 TO STA -33+000
14	C-12	MAIN AND ENTRANCE CHANNELS-TYPICAL SECTIONS
15	C-13	EXISTING AND NEW TURNING BASINS-TYPICAL SECTIONS
15		Total Number of Drawings



GENERAL NOTES

- ELEVATIONS ARE REFERENCED TO MEAN LOWER LOW WATER DATUM (MLLW).
- HORIZONTAL DATUM AND DISTANCES ARE REFERENCED TO TEXAS STATE PLANE, MADRID, TEXAS SOUTH CENTRAL ZONE, U.S. SURVEY FEET.
- THE ENTIRE CHANNEL WILL BE DEEPEND AND ONLY THE LIMITS OF CHANNEL WIDENED AND EXTENDED ARE SHOWN.



SOUTHERLY LIMIT OF DREDGING STA. -33+000

U.S. Army Corps of Engineers
Galveston District

Drawn by:	X	Date:	###	Rev.
Checked by:	X	Scale:	AS SHOWN	
Submitted by:	LORIK, THOMAS, P.E.	Approval Recommended by:	JOSEPH L. KING, R.A.	
Approved by:	ROBERT C. THOMAS, P.E.	Chief, Engineering Branch		
		Chief, Engineering and Construction Division		

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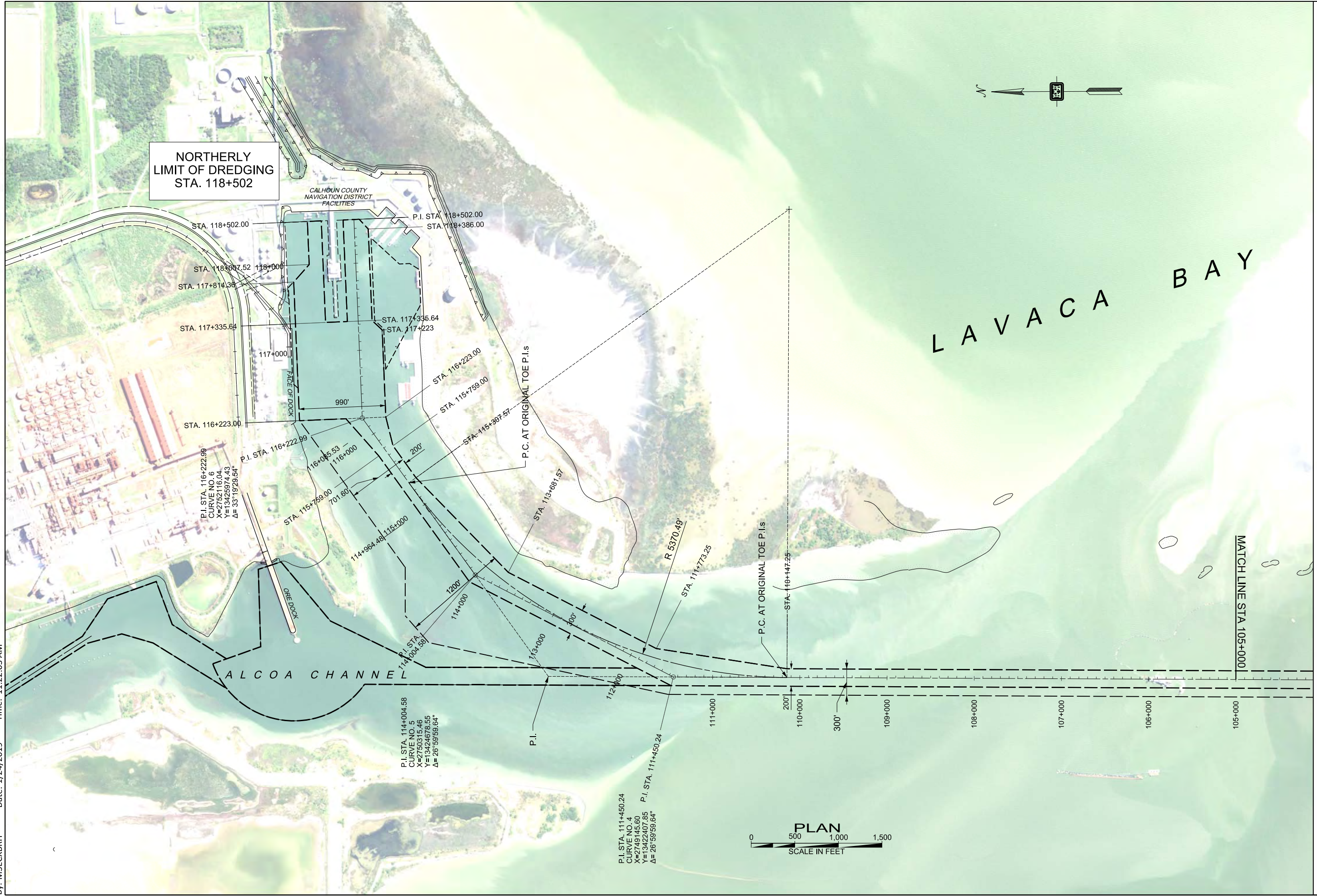
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CHANNEL IMPROVEMENT PROJECT
MATAGORDA SHIP CHANNEL, TEXAS

MATAGORDA SHIP CHANNEL
FEASIBILITY STUDY
LOCATION AND VICINITY

Drawing No.:
G-2

SWG FILE NO. ###



Rev.	Date	Description

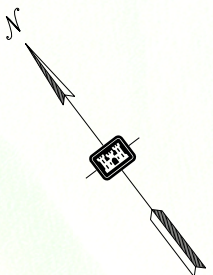
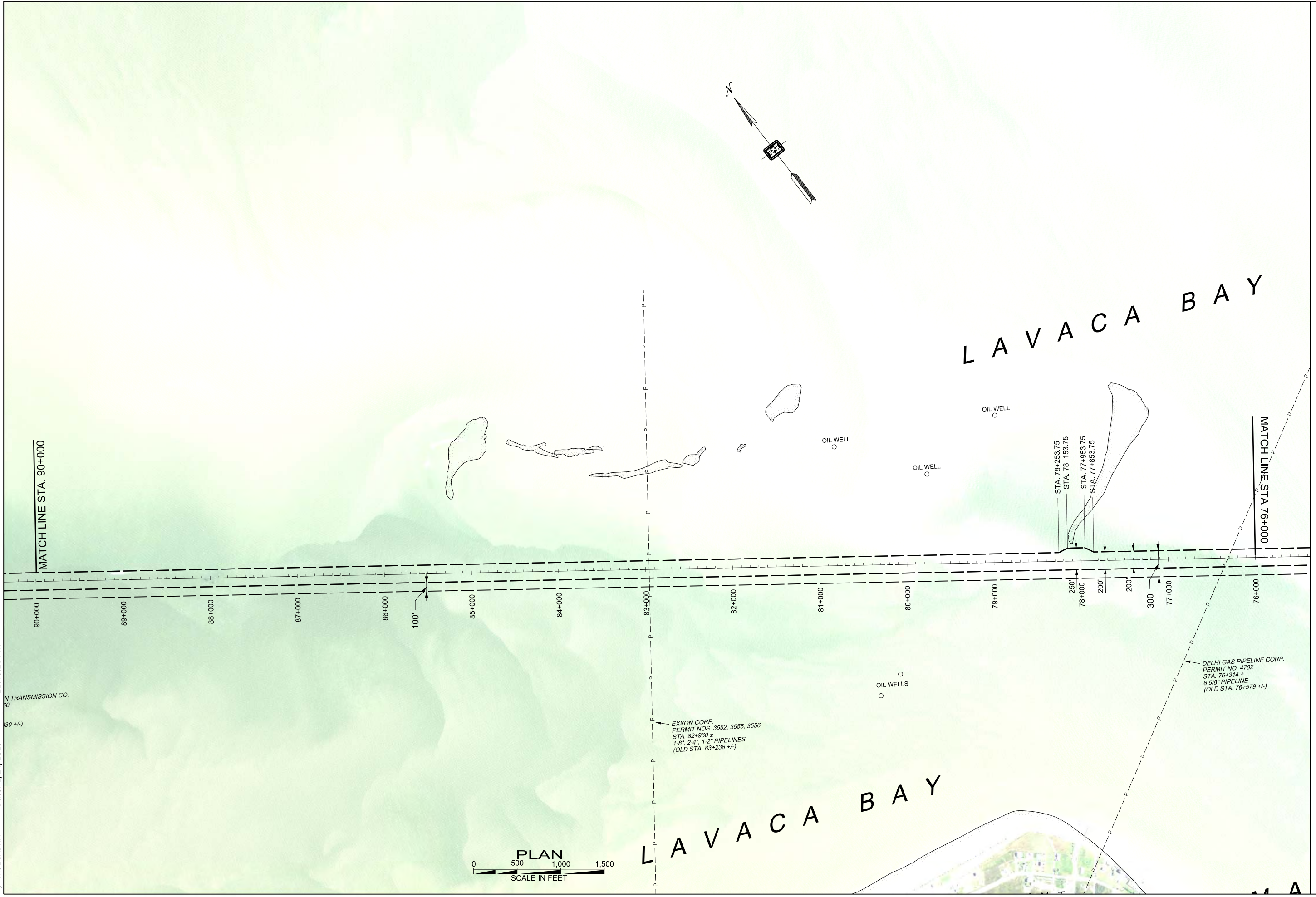
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Submitted by:	LORI K. THOMAS, P.E.	Approved by:	ROBERT C. THOMAS, P.E., Chief, Engineering and Construction Division

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CHANNEL IMPROVEMENT PROJECT
 MATAGORDA SHIP CHANNEL, TEXAS
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 MATAGORDA SHIP CHANNEL
 FEASIBILITY STUDY
 PLAN-STA 118+502 TO STA 105+000

Drawing No.:
C-1
 SWG FILE NO. ###

File: 0-GUAD-705-238_CONTRACT-PLANS_TxSc83.dgn
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 By: M3ECKBRH Date: 1/24/2019 Time: 12:40:26 PM



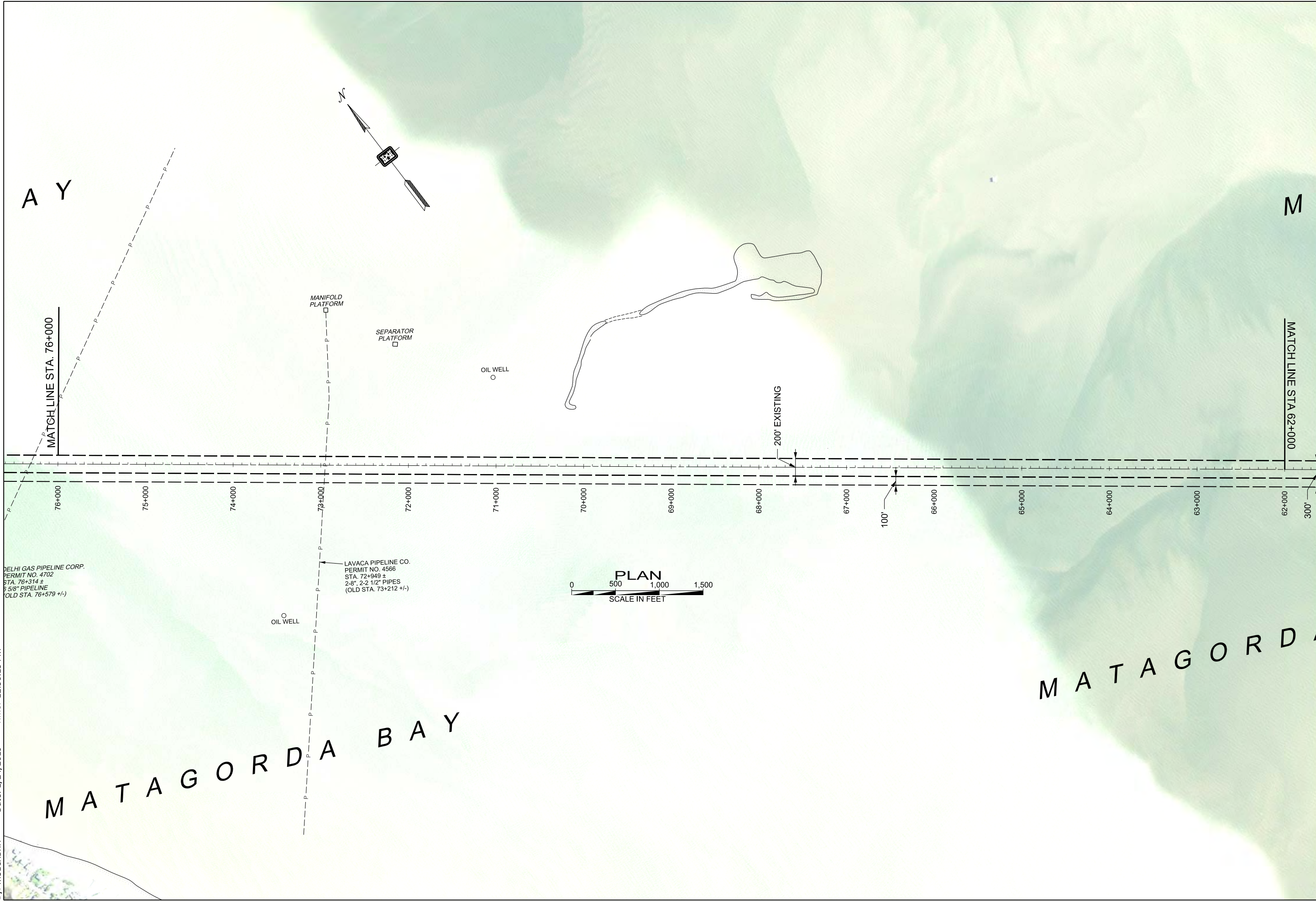
Rev.	Date	Description

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Checked by:	X	Approval Recommended:	JOSEPH L. KING, R.A., Chief, General Engineering
Submitted by:	LORI K. THOMAS, P.E.	Approved:	ROBERT C. THOMAS, P.E., Chief, Engineering and Construction Division
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CHANNEL IMPROVEMENT PROJECT
 MATAGORDA SHIP CHANNEL, TEXAS
 #
 MATAGORDA SHIP CHANNEL
 FEASIBILITY STUDY
 PLAN-STA 90+000 TO STA 76+000

Drawing No.:
C-3
 SWG FILE NO. ###

File: 0-GUAD-705-238_CONTRACT-PLANS_Txs683.dgn
 Model Name: C-4-Matagorda Bay-1
 By: M3ECXBRH Date: 1/24/2019 Time: 12:50:15 PM



Rev.	Description	Date	By

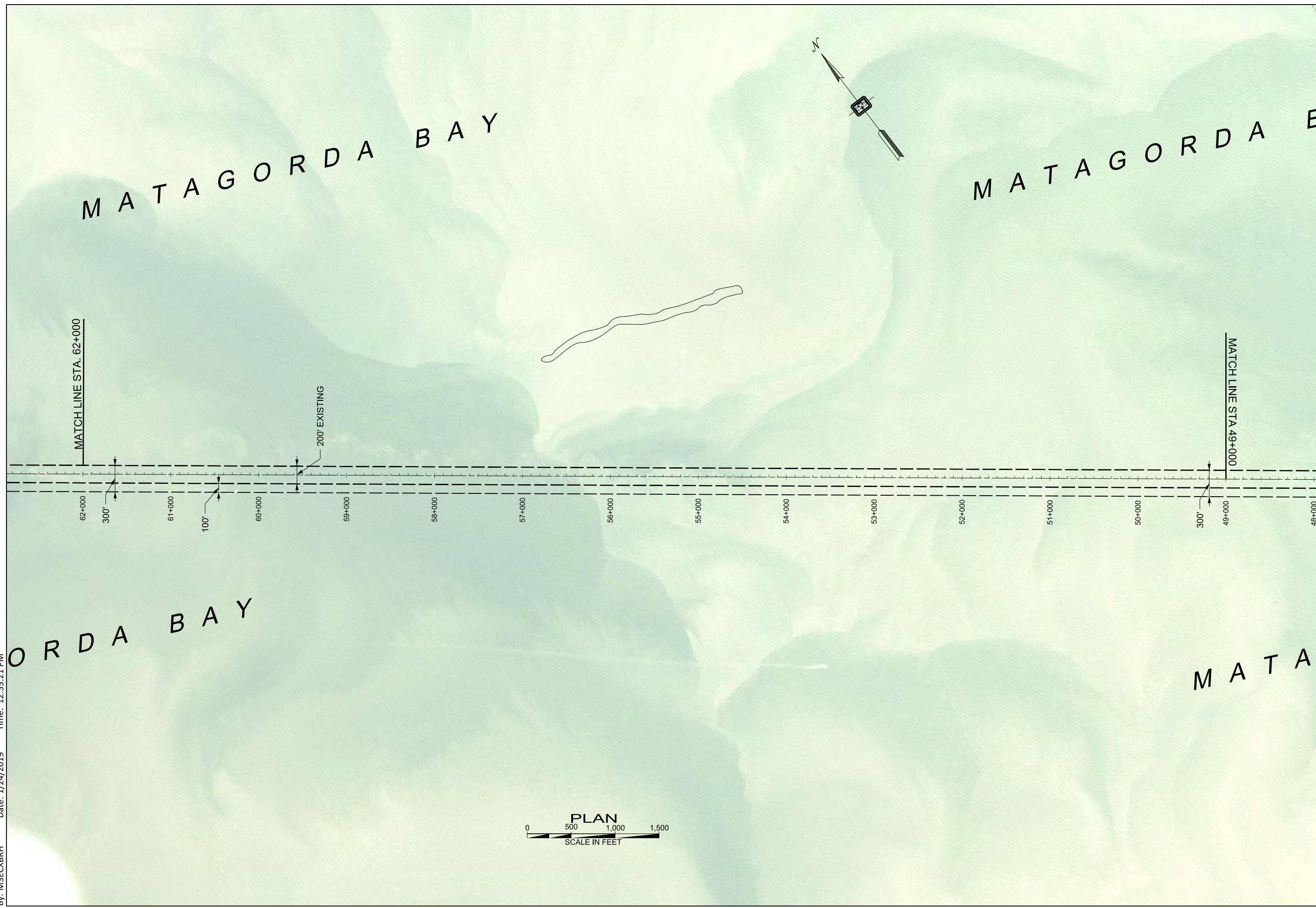
Drawn by:	X	Date:	###
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Submitted by:	LORI K. THOMAS, P.E.	Chief, Engineering Branch	ROBERT C. THOMAS, P.E., Chief, Engineering and Construction Division
Approved by:	ROBERT C. THOMAS, P.E.	Chief, Engineering and Construction Division	

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 MATAGORDA SHIP CHANNEL
 FEASIBILITY STUDY
 PLAN-STA 76+000 TO STA 62+000

Drawing No.:
C-4
 SWG FILE NO. #####



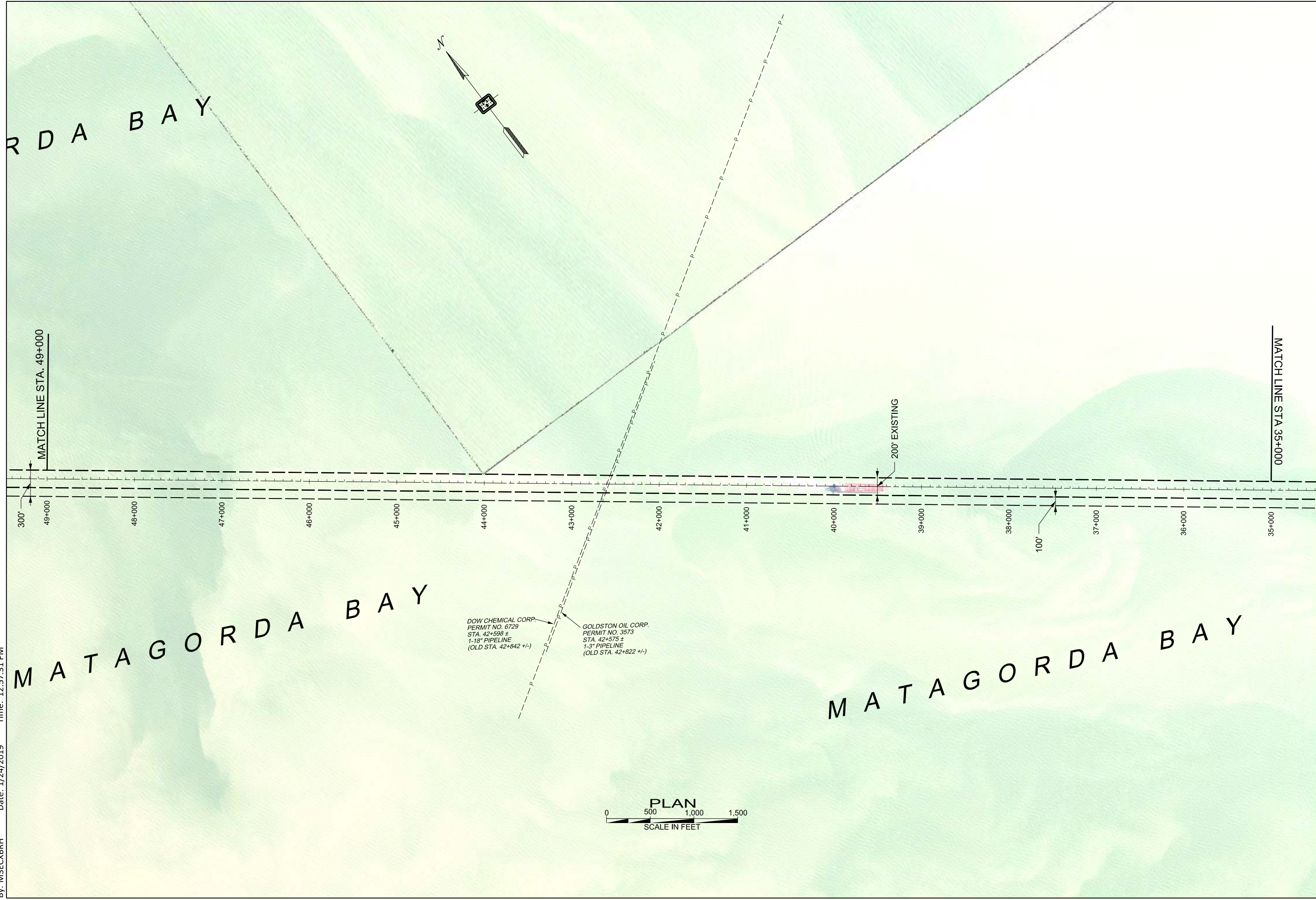
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 MATAGORDA SHIP CHANNEL
 FEASIBILITY STUDY
 PLAN-STA 62+000 TO STA 49+000

Drawing No.:
C-5
 SWG FILE NO. #####

File: 0-GUAD-705-238_CONTRACT-PLANS_Txs683.dgn
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 By: M3CXBRH Date: 1/24/2019 Time: 12:57:31 PM



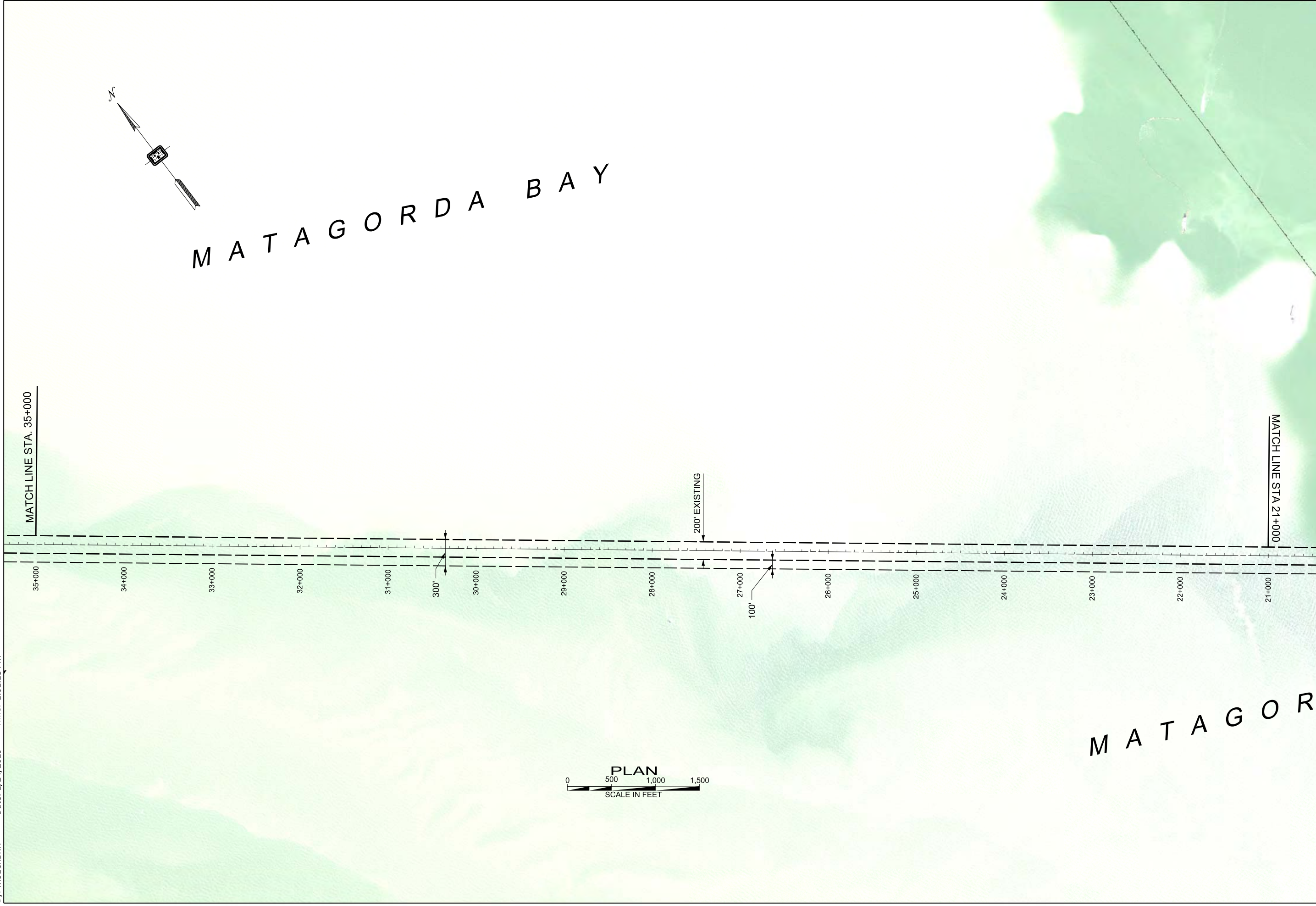
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	JOSEPH L. KING, R.A.	Chief, Engineering Branch		
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 MATAGORDA SHIP CHANNEL, TEXAS
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 MATAGORDA SHIP CHANNEL
 FEASIBILITY STUDY
 PLAN-STA 49+000 TO STA 35+000

Drawing No.:
C-6
 SWG FILE NO. #####



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	Approved by: ROBERT C. THOMAS, P.E. Chief, Engineering and Construction Division		

CHANNEL IMPROVEMENT PROJECT
 MATAGORDA SHIP CHANNEL, TEXAS
 #####
 MATAGORDA SHIP CHANNEL
 FEASIBILITY STUDY
 PLAN-STA 35+000 TO STA 21+000

Drawing No.:
C-7
 SWG FILE NO. ####



PLAN
 SCALE IN FEET



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Galveston District

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Approved by:	ROBERT C. THOMAS, P.E.	Chief, Engineering Branch	ROBERT C. THOMAS, P.E., Chief, Engineering and Construction Division

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

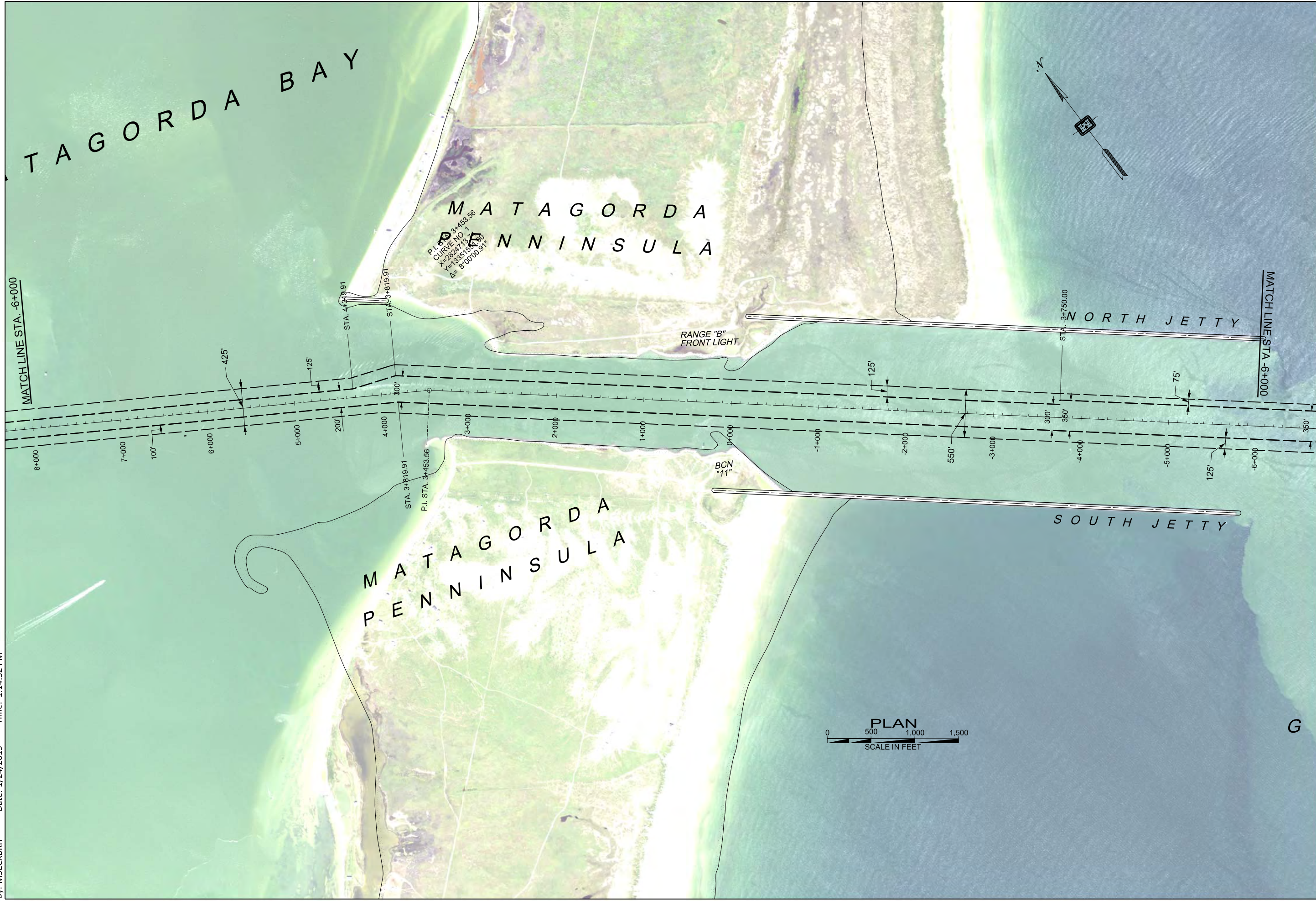
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CHANNEL IMPROVEMENT PROJECT
MATAGORDA SHIP CHANNEL, TEXAS

MATAGORDA SHIP CHANNEL
FEASIBILITY STUDY
PLAN-STA 21+000 TO STA 8+000

Drawing No.:
C-8
SWG FILE NO. ###

File: 0-GUAD-705-238_CONTRACT-PLANS_Txs683.dgn
 Model Name: C-9-Jetty Channel
 By: M3ECKBRH Date: 1/24/2019 Time: 1:14:32 PM



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Approved by:			ROBERT C. THOMAS, P.E., Chief, Engineering and Construction Division

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 MATAGORDA SHIP CHANNEL, TEXAS
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 MATAGORDA SHIP CHANNEL
 FEASIBILITY STUDY
 PLAN-STA 8+000 TO STA -6+000

Drawing No.:
C-9
 SWG FILE NO. ###

File: 0-GUAD-705-238_CONTRACT-PLANS_Txs683.dgn
 Model Name: C-10-Entrance Channel
 By: M3ECKBRH Date: 1/24/2019 Time: 1:43:57 PM



G U L F O F M E X I C O

G U L F O F M E X I C O



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Submitted by:	LORI K. THOMAS, P.E. Chief, General Engineering	Approved by:	ROBERT C. THOMAS, P.E., Chief, Engineering and Construction Division

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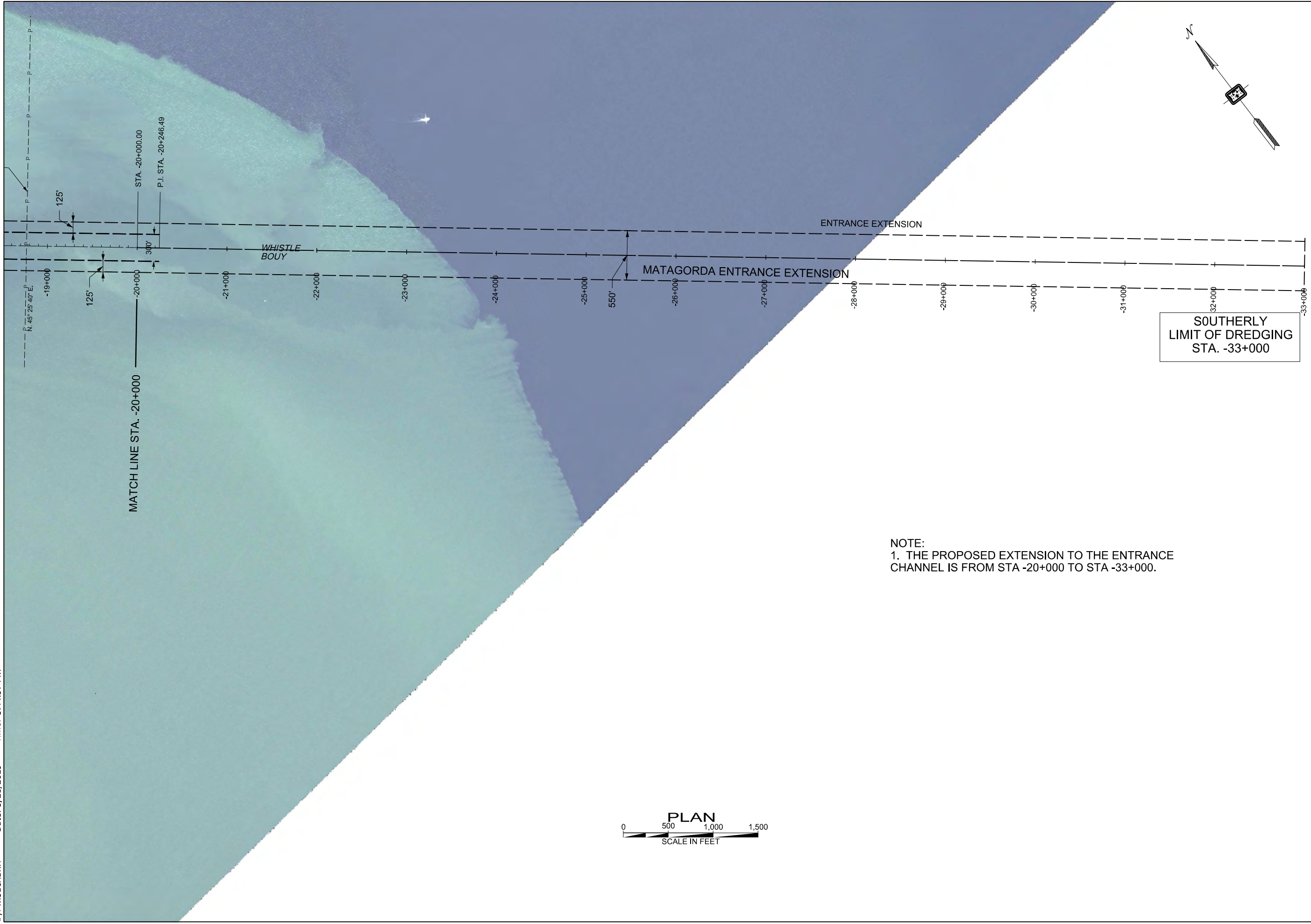
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 MATAGORDA SHIP CHANNEL, TEXAS
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 MATAGORDA SHIP CHANNEL
 FEASIBILITY STUDY

PLAN-STA -6+000 TO STA -20+000

Drawing No.:
C-10

SWG FILE NO. #####



NOTE:
 1. THE PROPOSED EXTENSION TO THE ENTRANCE CHANNEL IS FROM STA -20+000 TO STA -33+000.



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Approved by:	ROBERT C. THOMAS, P.E.	Chief, Engineering and Construction Division		Chief, Engineering Branch

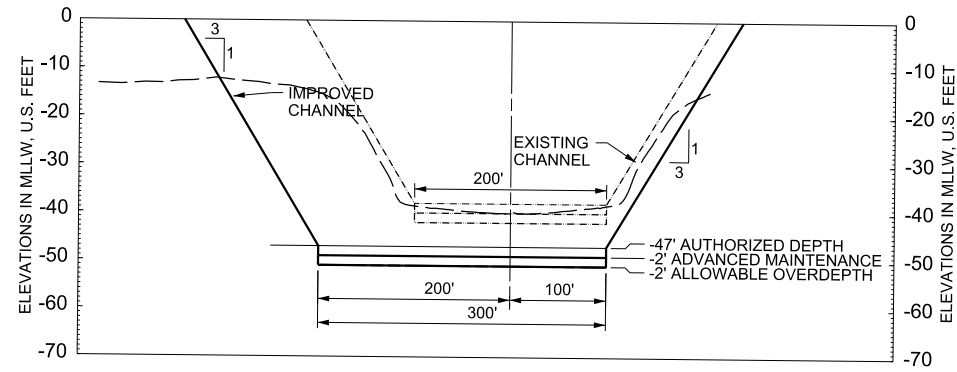
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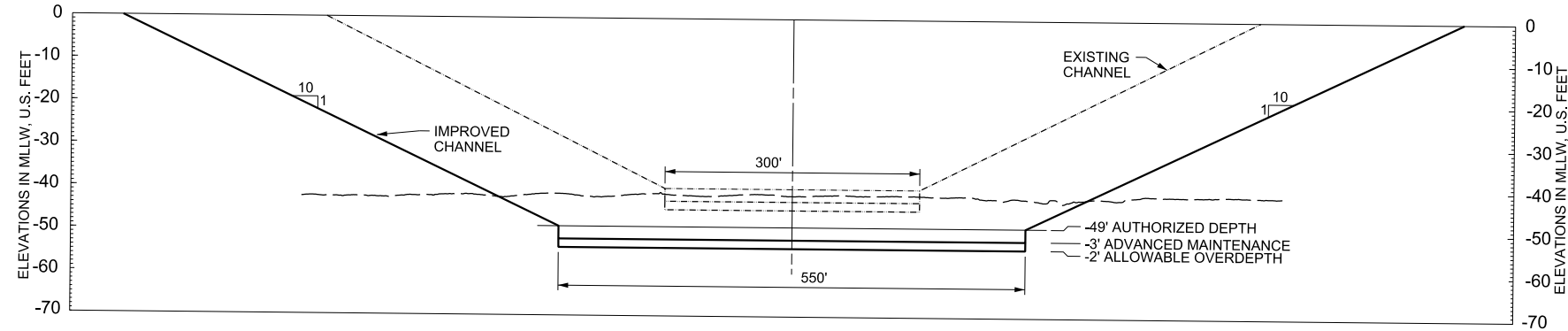
CHANNEL IMPROVEMENT PROJECT
 MATAGORDA SHIP CHANNEL, TEXAS
 #####
 MATAGORDA SHIP CHANNEL
 FEASIBILITY STUDY
 PROPOSED ENTRANCE EXTENSION
 STA -20+000 TO STA -33+000

Drawing No.:
C-11
 SWG FILE NO. #####

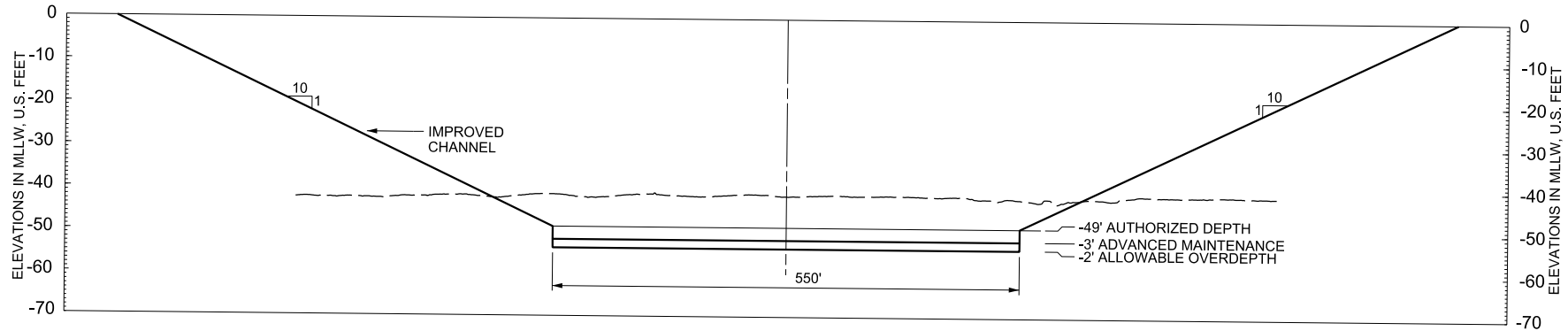
P.I. STA. -33+000.00



27+000
MAIN CHANNEL
TYPICAL CROSS SECTION



-20+000
ENTRANCE CHANNEL
TYPICAL CROSS SECTION



-33+000
ENTRANCE EXTENSION CHANNEL
TYPICAL CROSS SECTION



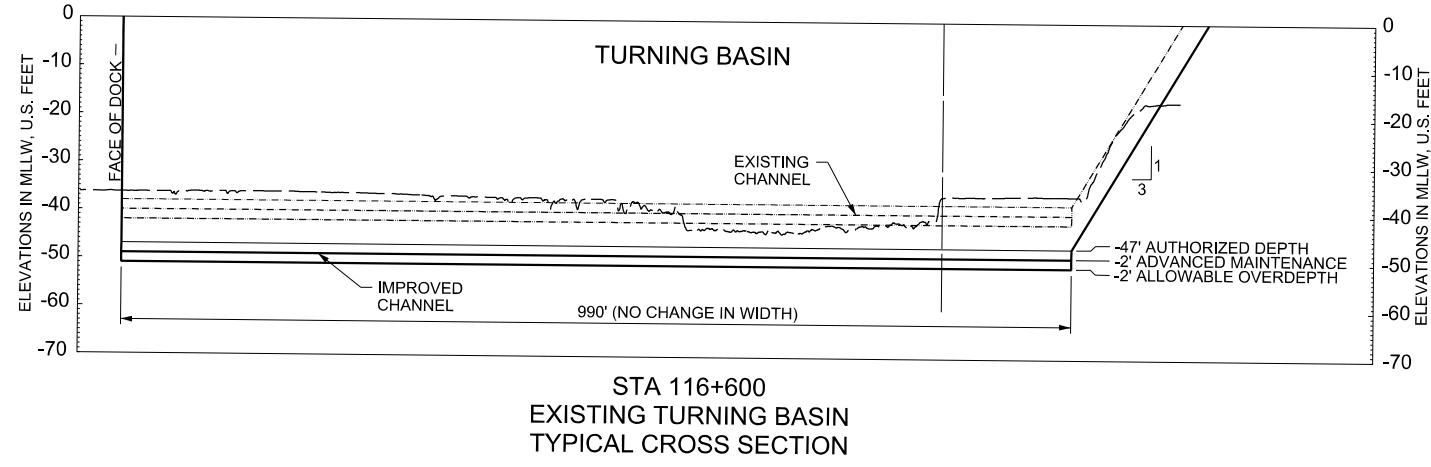
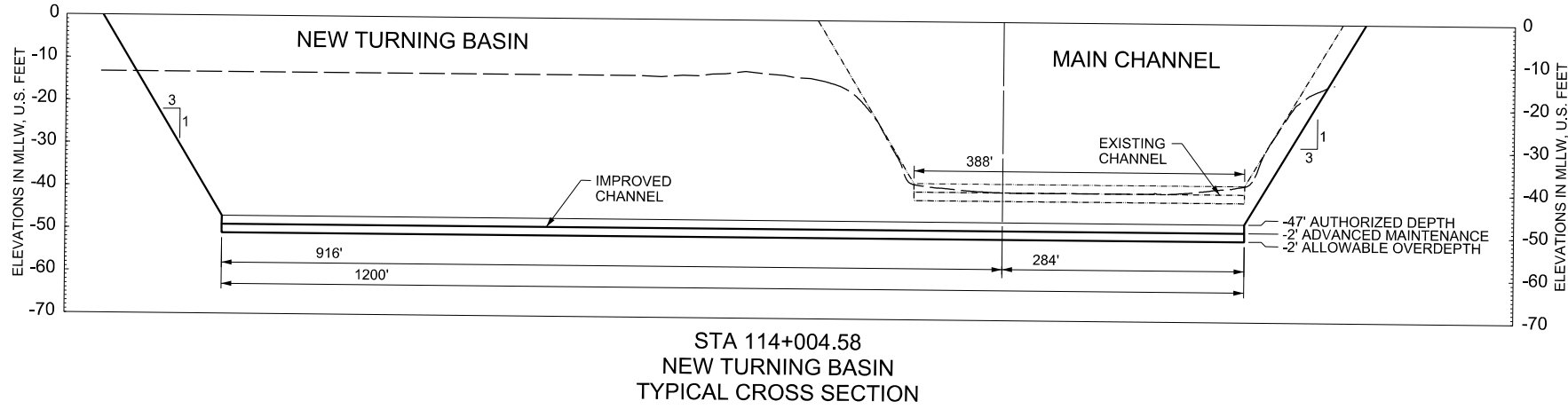
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Submitted by:	LORI K. THOMAS, P.E.	Approval Recommended by:	JOSEPH L. KING, R.A.	
Chief, General Engineering		Chief, Engineering Branch		
Approved by:	ROBERT C. THOMAS, P.E.	Chief, Engineering and Construction Division		

CHANNEL IMPROVEMENT PROJECT
MATAGORDA SHIP CHANNEL, TEXAS

MATAGORDA SHIP CHANNEL
FEASIBILITY STUDY
MAIN AND ENTRANCE CHANNELS
TYPICAL SECTIONS

Drawing No.:
C-12



Rev.	Date	Description

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 MATAGORDA SHIP CHANNEL, TEXAS
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 MATAGORDA SHIP CHANNEL
 FEASIBILITY STUDY
 EXISTING AND NEW TURNING BASINS
 TYPICAL CROSS SECTIONS

Drawing No.:
C-13
 SWG FILE NO. ##