LEGEND AND NOTES

BOTTOM LIMITS OF CHANNEL TO BE DREDGED

LOCATION OF CROSS SECTIONS — C.S.

LOCATION OF PIPELINE CROSSINGS — P.L.

LIMITS OF DISCHARGE POINTS (OPEN WATER DISPOSAL AREAS)

NEW LEVEES TO BE BUILT

EXISTING LEVEES TO BE REPAIRED

EXISTING LEVEES

LIMITS OF DISPOSAL AREAS

DISPOSAL AREAS TO BE USED

TIDE STAFF ★ LIGHT BEACONS CHANNEL MARKER BEACONS BOUYS

SPILLWAYS: DROP INLET TYPE WEIR TYPE

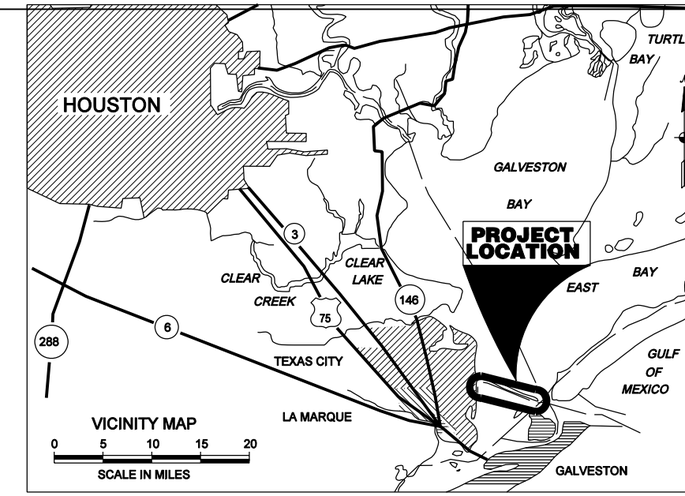
TURBIDITY BARRIER

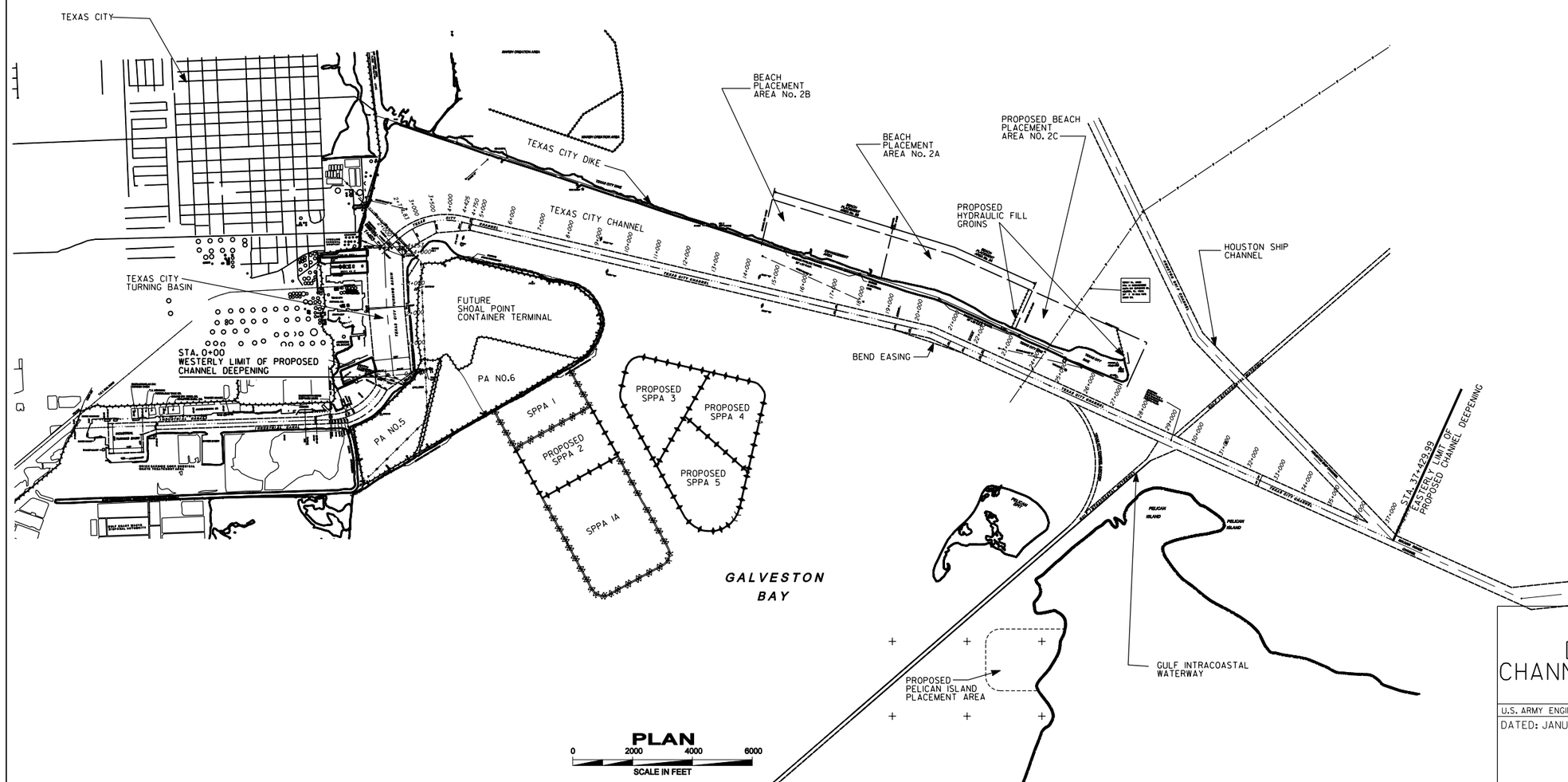
RANGE TOWERS AND RANGES

HORIZONTAL CONTROL POINTS

GENERAL NOTES

1. Elevations are referenced to mean low tide datum.





GENERAL REEVALUATION REPORT
TEXAS CITY CHANNEL, TEXAS

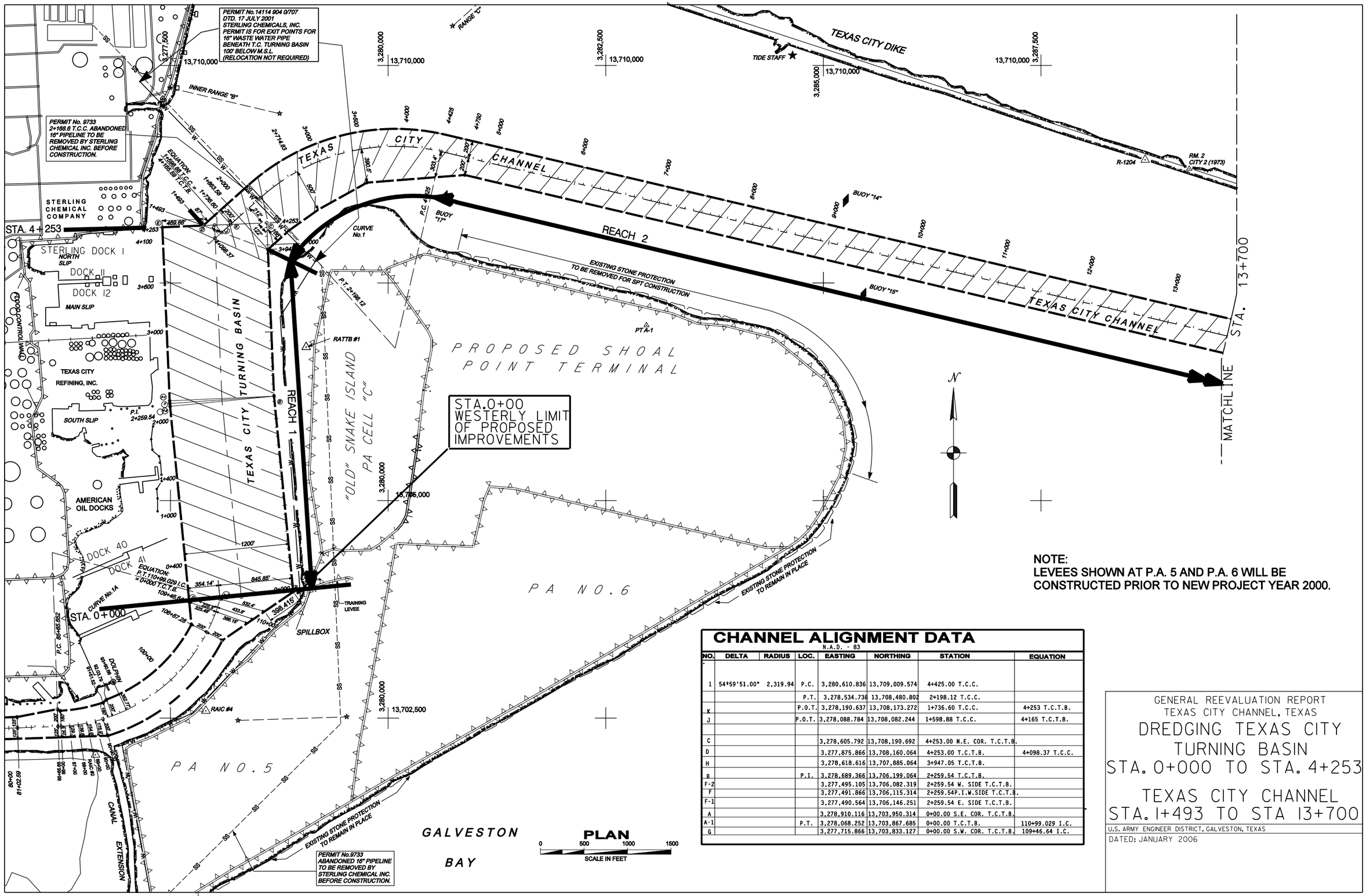
DREDGING TEXAS CITY CHANNEL AND TURNING BASIN STUDY AREA MAP

U.S. ARMY ENGINEER DISTRICT, GALVESTON, TEXAS

DATED: JANUARY 2006

REVISED: JANUARY 25, 2006

PLATE 1



NOTE:
LEVEES SHOWN AT P.A. 5 AND P.A. 6 WILL BE CONSTRUCTED PRIOR TO NEW PROJECT YEAR 2000.

CHANNEL ALIGNMENT DATA

N.A.D. - 83

NO.	DELTA	RADIUS	LOC.	EASTING	NORTHING	STATION	EQUATION
1	54°59'51.00"	2,319.94	P.C.	3,280,610.836	13,709,009.574	4+425.00 T.C.C.	
			P.T.	3,278,534.738	13,708,480.802	2+198.12 T.C.C.	
K			P.O.T.	3,278,190.637	13,708,173.272	1+736.60 T.C.C.	4+253 T.C.T.B.
J			P.O.T.	3,278,088.784	13,708,082.244	1+598.88 T.C.C.	4+165 T.C.T.B.
C				3,278,605.792	13,708,190.692	4+253.00 N.E. COR. T.C.T.B.	
D				3,277,875.866	13,708,160.064	4+253.00 T.C.T.B.	4+098.37 T.C.C.
H				3,278,618.616	13,707,885.064	3+947.05 T.C.T.B.	
B			P.I.	3,278,689.366	13,706,199.064	2+259.54 T.C.T.B.	
F-2				3,277,495.105	13,706,082.319	2+259.54 W. SIDE T.C.T.B.	
F				3,277,491.866	13,706,115.314	2+259.54P.I.W.SIDE T.C.T.B.	
F-1				3,277,490.564	13,706,146.251	2+259.54 E. SIDE T.C.T.B.	
A				3,278,910.116	13,703,950.314	0+00.00 S.E. COR. T.C.T.B.	
A-1			P.T.	3,278,068.252	13,703,867.685	0+00.00 T.C.T.B.	110+99.029 I.C.
G				3,277,715.866	13,703,833.127	0+00.00 S.W. COR. T.C.T.B.	109+46.64 I.C.

GENERAL REEVALUATION REPORT
TEXAS CITY CHANNEL, TEXAS

DREDGING TEXAS CITY TURNING BASIN
STA. 0+000 TO STA. 4+253

TEXAS CITY CHANNEL
STA. 1+493 TO STA 13+700

U.S. ARMY ENGINEER DISTRICT, GALVESTON, TEXAS

DATED: JANUARY 2006

REVISED: JANUARY 25, 2006

PLATE 2

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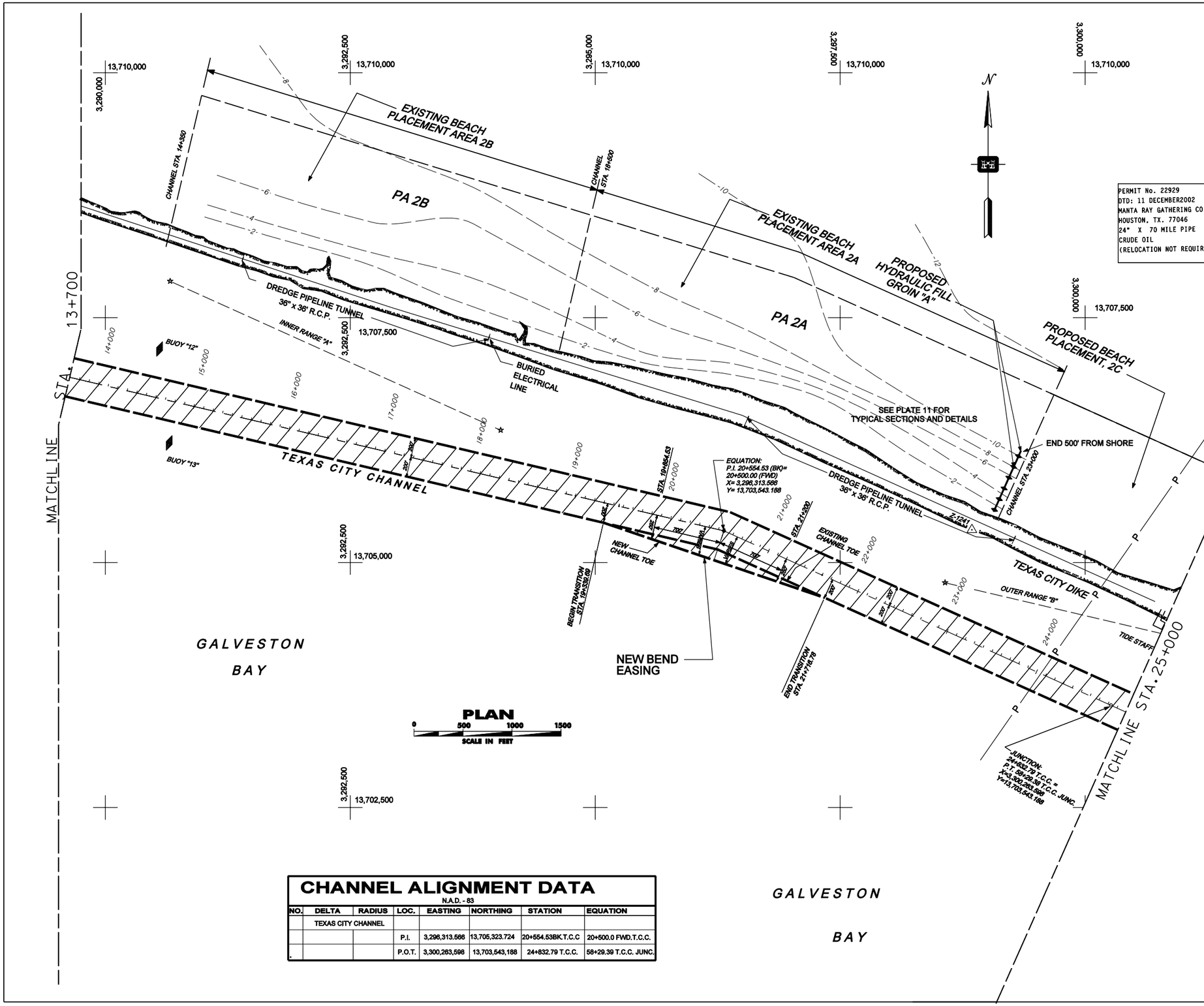


CHANNEL ALIGNMENT DATA

N.A.D. - 83

NO.	DELTA	RADIUS	LOC.	EASTING	NORTHING	STATION	EQUATION
	TEXAS CITY CHANNEL						
			P.I.	3,296,313.566	13,705,323.724	20+554.53BK.T.C.C	20+500.0 FWD.T.C.C.
			P.O.T.	3,300,263,598	13,703,543,188	24+832.79 T.C.C.	58+29.39 T.C.C. JUNC.

Project Notes

1. THE EXISTING TEXAS CITY CHANNEL CENTER LINE WAS MOVED 50 FEET FOR A DISTANCE OF 700 FEET ON EACH SIDE OF THE EXISTING P.I., STA. 20+554.53 (BK)= 20+500.00 (FWD).

GENERAL REEVALUATION REPORT
TEXAS CITY CHANNEL, TEXAS

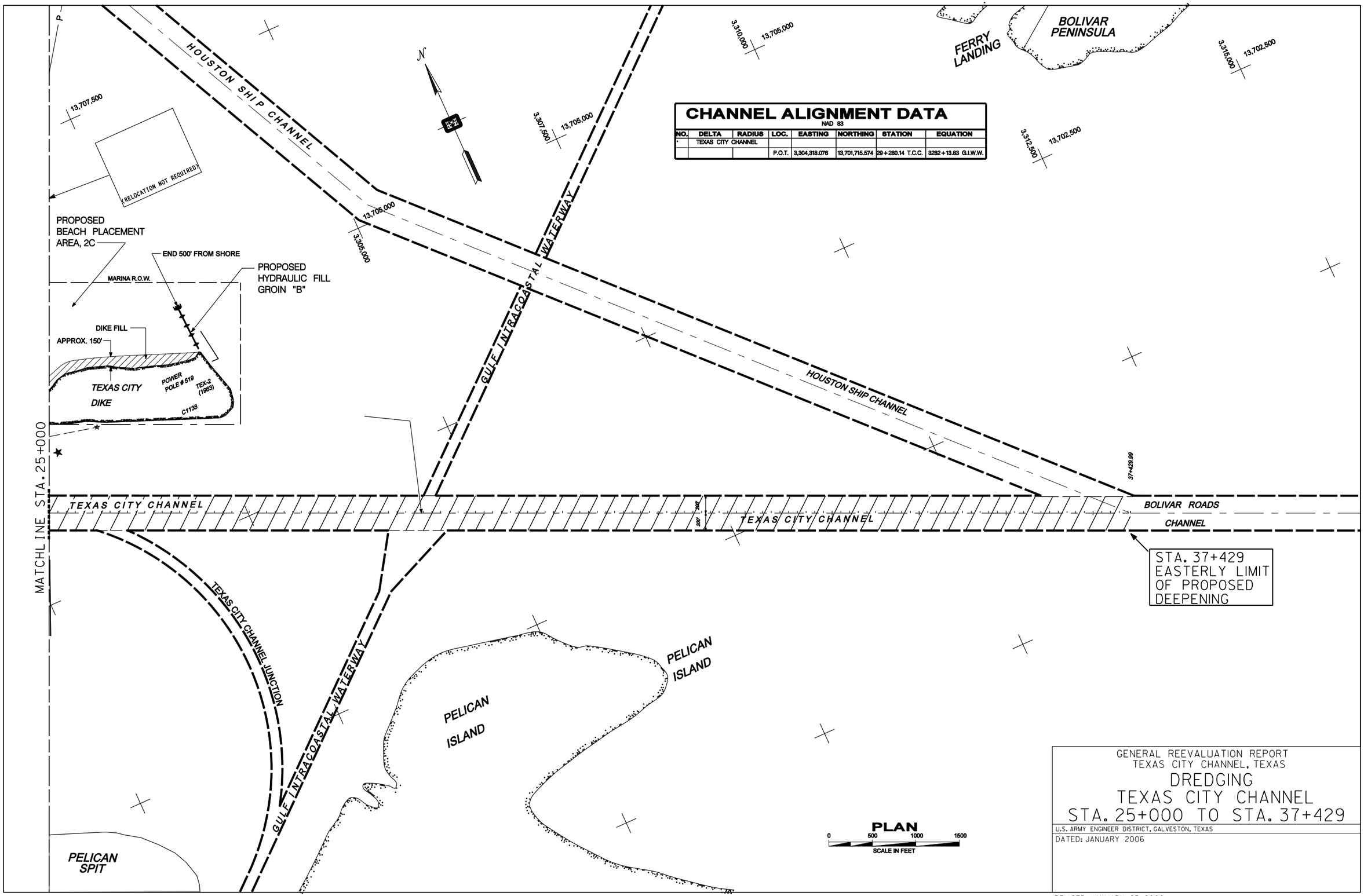
DREDGING
TEXAS CITY CHANNEL
STA. 13+700 TO STA. 25+000

U.S. ARMY ENGINEER DISTRICT, GALVESTON, TEXAS

DATED: JANUARY 2006

REVISED: JANUARY 25, 2006

PLATE 3



CHANNEL ALIGNMENT DATA

NAD 83

NO.	DELTA	RADIUS	LOC.	EASTING	NORTHING	STATION	EQUATION
*	TEXAS CITY CHANNEL						
			P.O.T.	3,304,318.076	13,701,715.574	29+280.14 T.C.C.	3282+13.83 G.I.W.W.

GENERAL REEVALUATION REPORT
TEXAS CITY CHANNEL, TEXAS

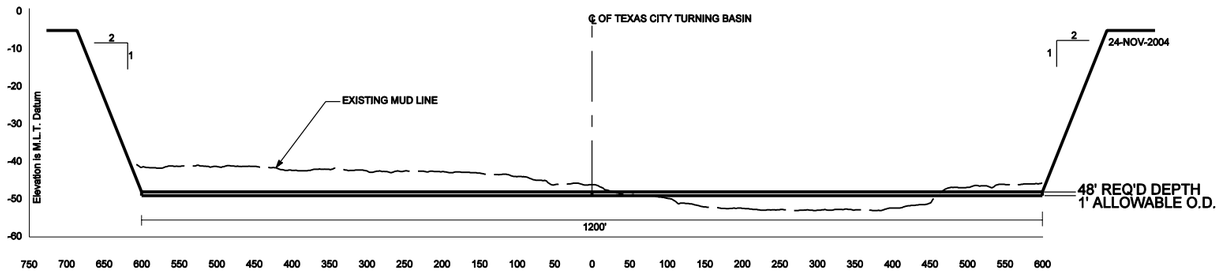
DREDGING
TEXAS CITY CHANNEL
STA. 25+000 TO STA. 37+429

U.S. ARMY ENGINEER DISTRICT, GALVESTON, TEXAS

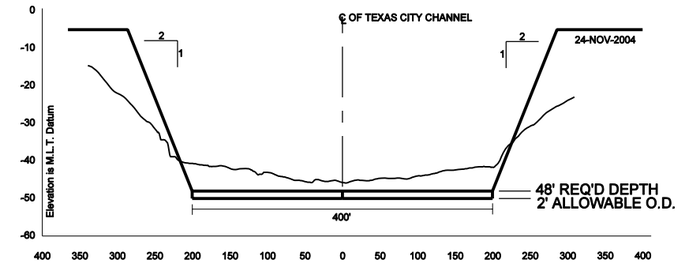
DATED: JANUARY 2006

REVISED: JANUARY 25, 2006

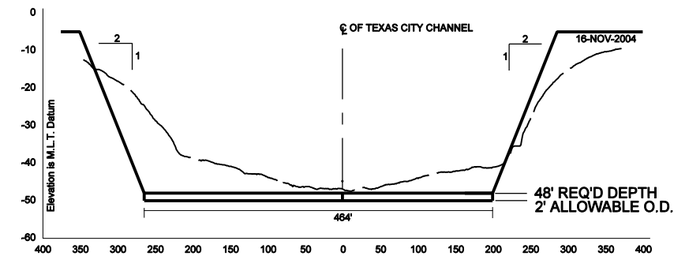
PLATE 4



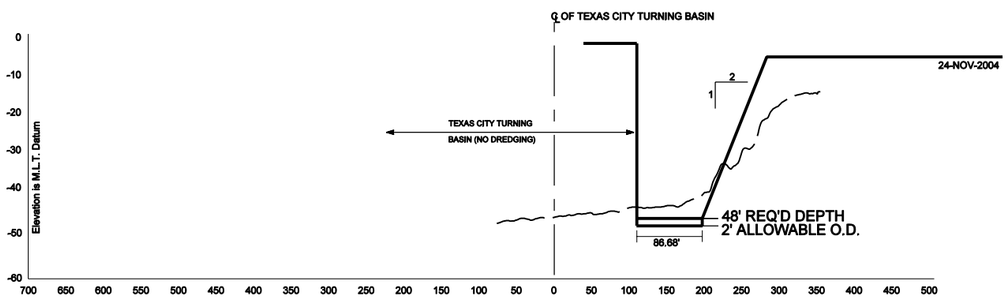
TEXAS CITY TURNING BASIN
TYPICAL SECTION, STA. 0+000 TO STA. 4+253



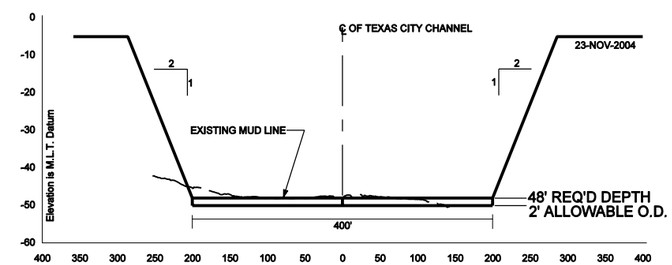
TEXAS CITY MAIN CHANNEL
TYPICAL SECTION, STA. 4+750 TO STA. 19+000
TYPICAL SECTION, STA. 22+000 TO STA. 33+600



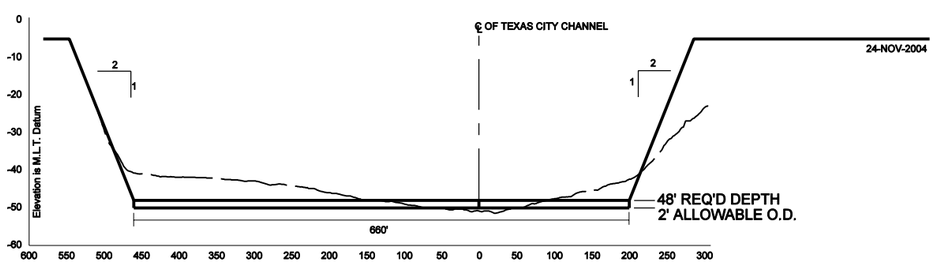
TEXAS CITY MAIN CHANNEL
BEND EASING
TYPICAL SECTION, STA. 19+400 TO STA. 21+600



TEXAS CITY MAIN CHANNEL
TYPICAL SECTION, STA. 1+493 TO STA. 1+598



TEXAS CITY MAIN CHANNEL
TYPICAL SECTION, STA. 34+000 TO STA. 37+430



TEXAS CITY MAIN CHANNEL
TYPICAL SECTION, STA. 2+000 TO STA. 4+600

GENERAL REEVALUATION REPORT
TEXAS CITY CHANNEL, TEXAS

DREDGING
TEXAS CITY CHANNEL AND TURNING BASIN
TYPICAL DREDGING SECTIONS

U.S. ARMY ENGINEER DISTRICT, GALVESTON, TEXAS
DATED: JANUARY 2006

PLATE 5

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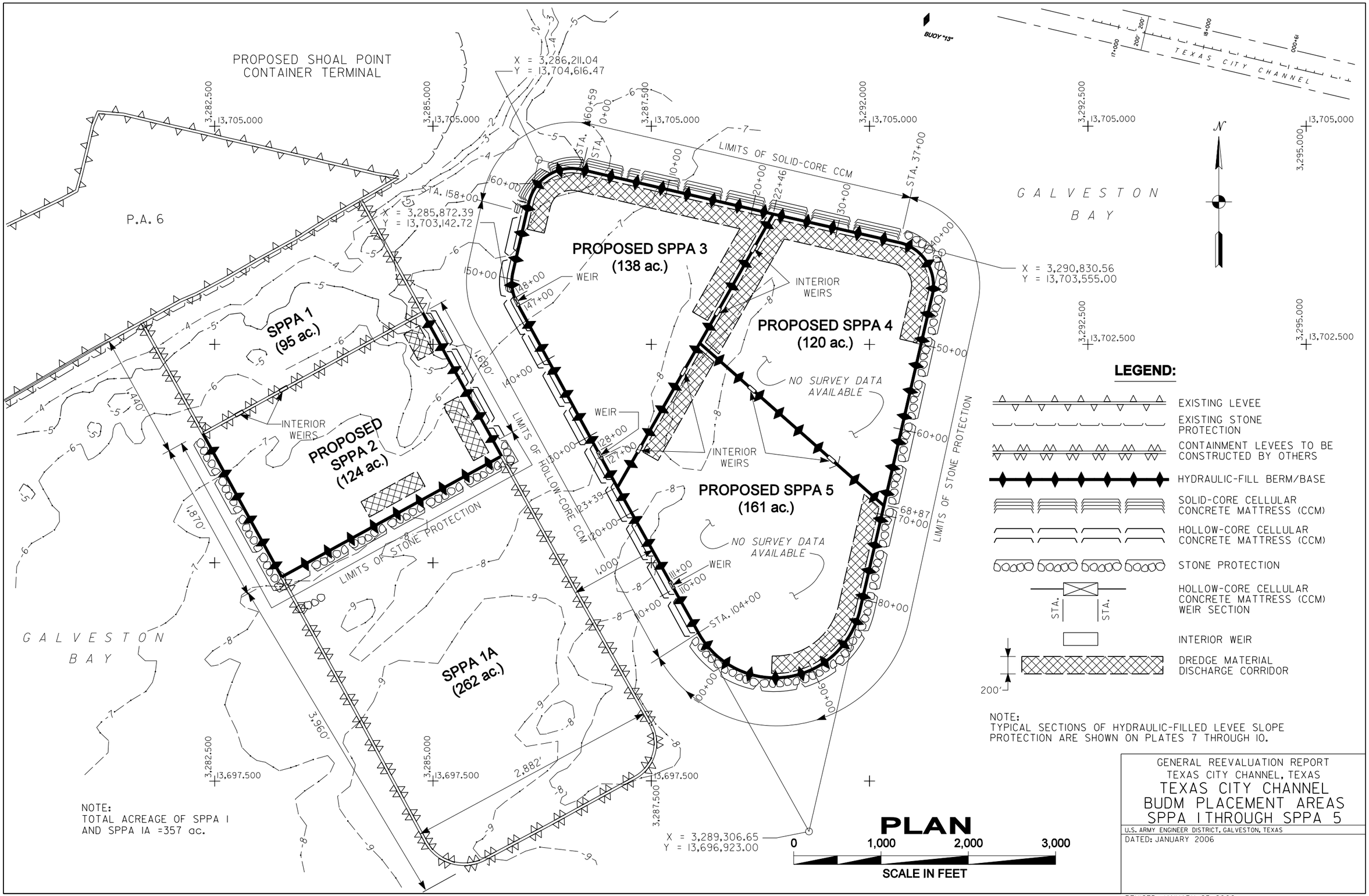


GENERAL REEVALUATION REPORT
TEXAS CITY CHANNEL, TEXAS

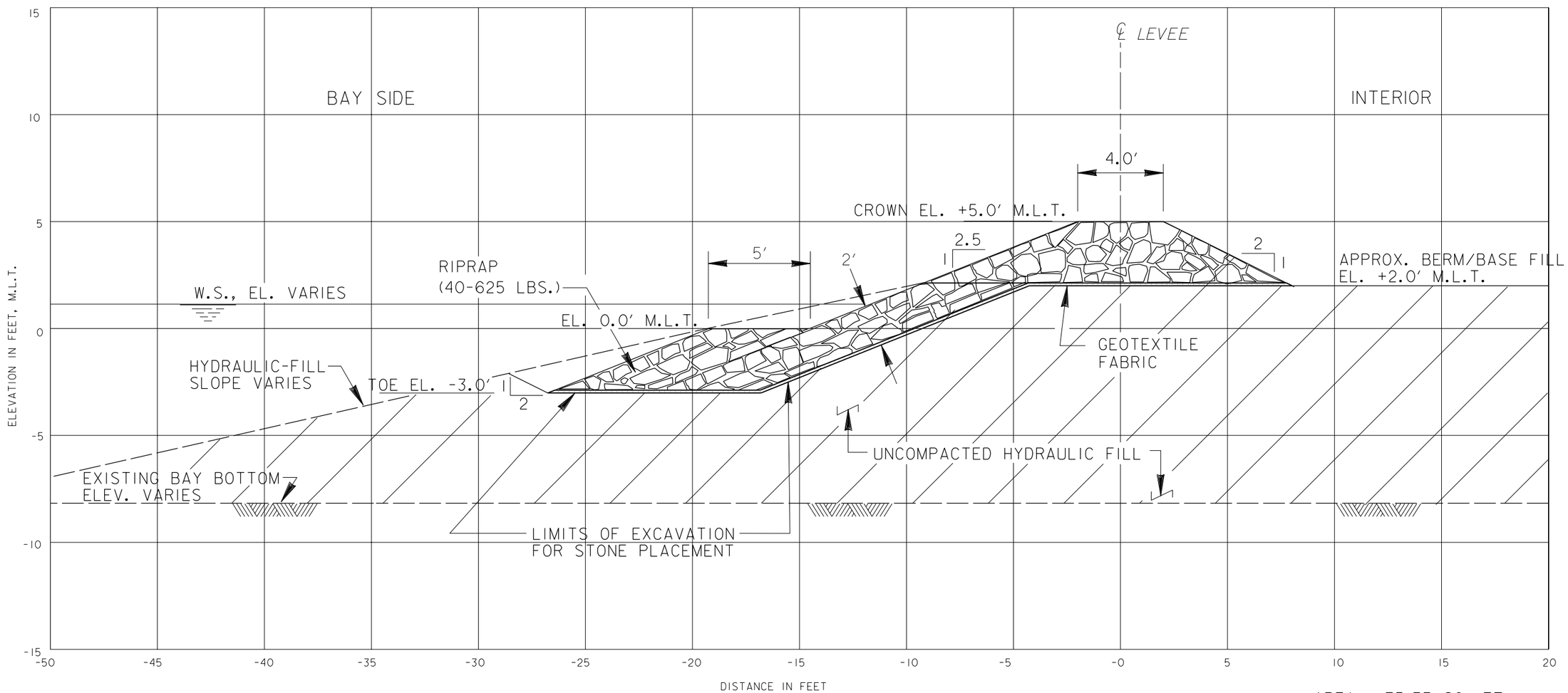
TEXAS CITY CHANNEL BUDM PLACEMENT AREAS SPPA 1 THROUGH SPPA 5

U.S. ARMY ENGINEER DISTRICT, GALVESTON, TEXAS

DATED: JANUARY 2006

REVISED: JANUARY 25, 2006

PLATE 6



AREA : 75.33 SQ. FT.
LENGTH: 7,000 FT.

NOTES:

1. SEE PLATE 6 FOR PLAN VIEW OF BUDM PLACEMENT AREA AND LOCATIONS OF STONE PROTECTION.
2. CROSS SECTION IS SHOWN LOOKING TOWARDS INCREASING STATION.
3. HYDRAULIC FILL MATERIAL EXCAVATED TO PLACE STONE PROTECTION, WILL BE DISPOSED IN INTERIOR OF PLACEMENT AREA.

TYPICAL SECTION
STONE PROTECTION FOR BUDM PLACEMENT AREAS
SPPA 2, SPPA 4 AND SPPA 5

SCALE: 1"=5'-0"

GENERAL REEVALUATION REPORT
TEXAS CITY CHANNEL, TEXAS

TYPICAL SECTION
STONE PROTECTION

U.S. ARMY ENGINEER DISTRICT, GALVESTON, TEXAS

DATED: JANUARY 2006

REVISED: JANUARY 25, 2006

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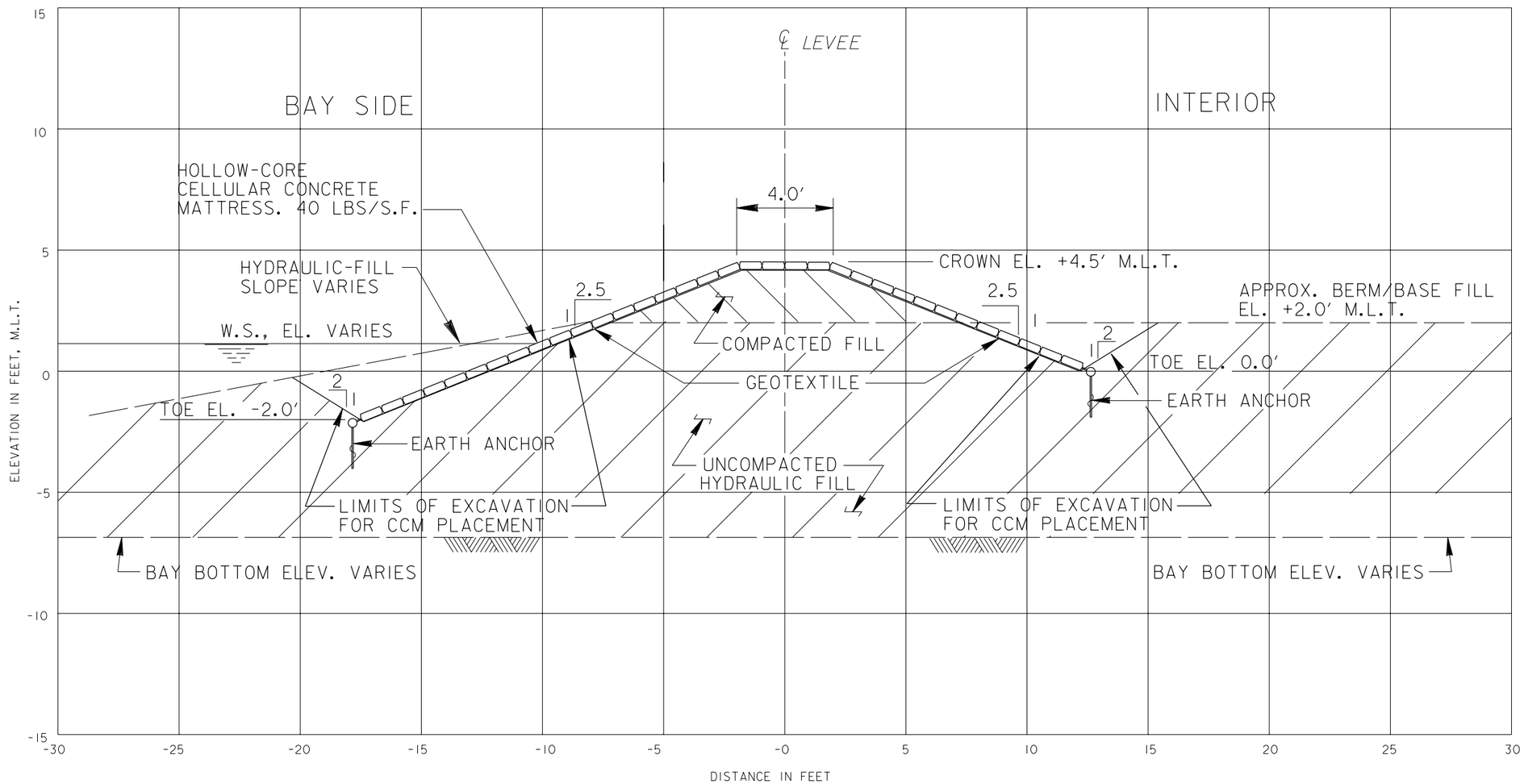

LENGTH: 5,400 FT.

NOTES:

1. SEE PLATE 6 FOR PLAN VIEW OF BUDM PLACEMENT AREA AND LOCATION OF CCM.
2. CROSS SECTION IS SHOWN LOOKING TOWARDS INCREASING STATION.

TYPICAL SECTION
HOLLOW-CORE CELLULAR CONCRETE MATTRESS
FOR BUDM PLACEMENT AREAS
SPPA 3, SPPA 4 AND SPPA 5
STATION 104+000 TO STATION 158+00

SCALE: 1"=5'-0"

GENERAL REEVALUATION REPORT
TEXAS CITY CHANNEL, TEXAS

TYPICAL SECTION
HOLLOW-CORE CELLULAR
CONCRETE MATTRESS

U.S. ARMY ENGINEER DISTRICT, GALVESTON, TEXAS

DATED: JANUARY 2006

REVISED: JANUARY 25, 2006

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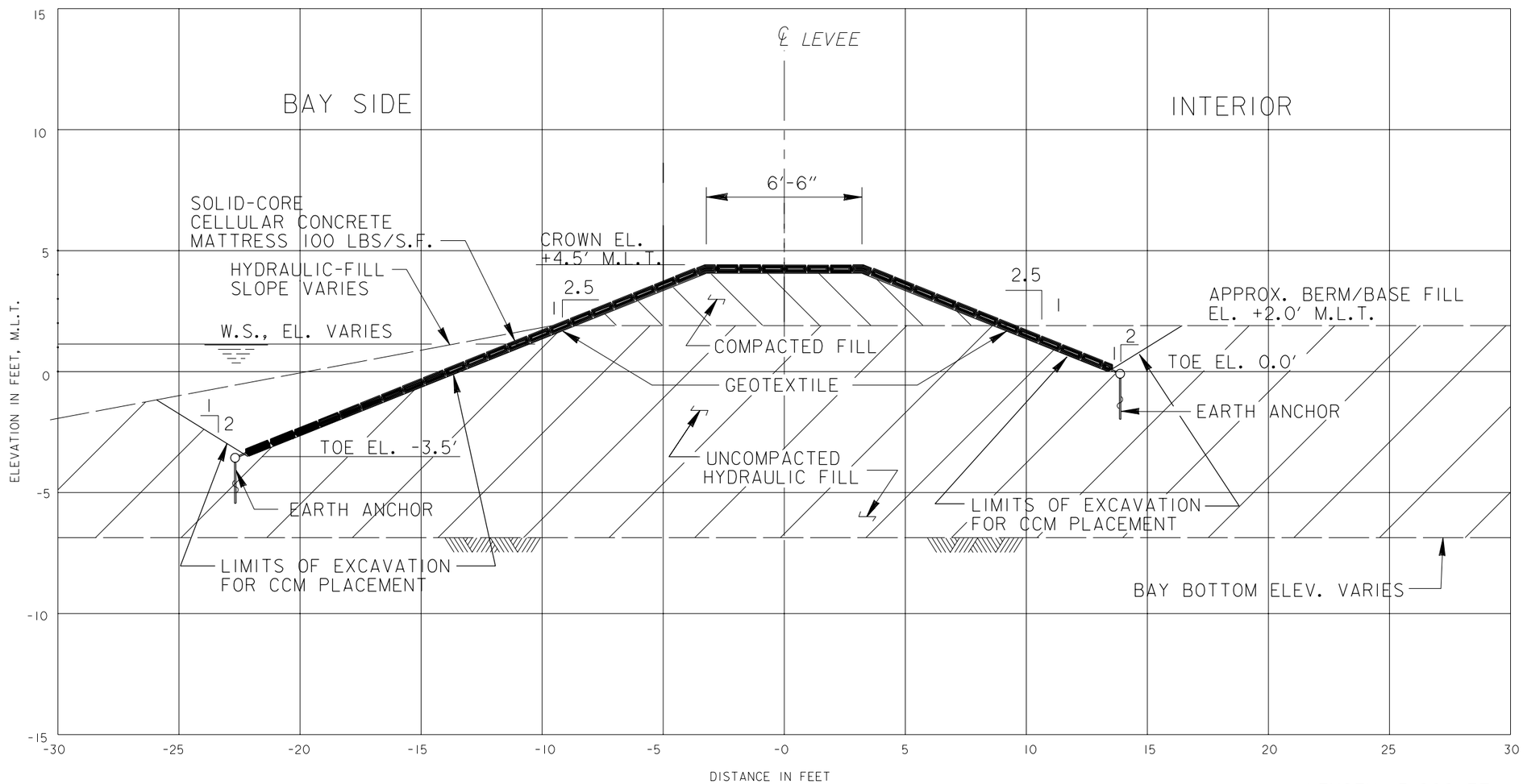

LENGTH: 5,000 FT.

NOTES:

1. SEE PLATE 6 FOR PLAN VIEW OF BUDM PLACEMENT AREA AND LOCATION OF CCM.
2. CROSS SECTION IS SHOWN LOOKING TOWARDS INCREASING STATION.

TYPICAL SECTION
SOLID-CORE CELLULAR CONCRETE MATTRESS
FOR BUDM PLACEMENT AREAS
SPPA 3, SPPA 4 AND SPPA 5
STATION 158+000 TO STATION 37+00

SCALE: 1"=5'-0"

GENERAL REEVALUATION REPORT
TEXAS CITY CHANNEL, TEXAS

TYPICAL SECTION
SOLID-CORE CELLULAR
CONCRETE MATTRESS

U.S. ARMY ENGINEER DISTRICT, GALVESTON, TEXAS

DATED: JANUARY 2006

REVISED: JANUARY 25, 2006

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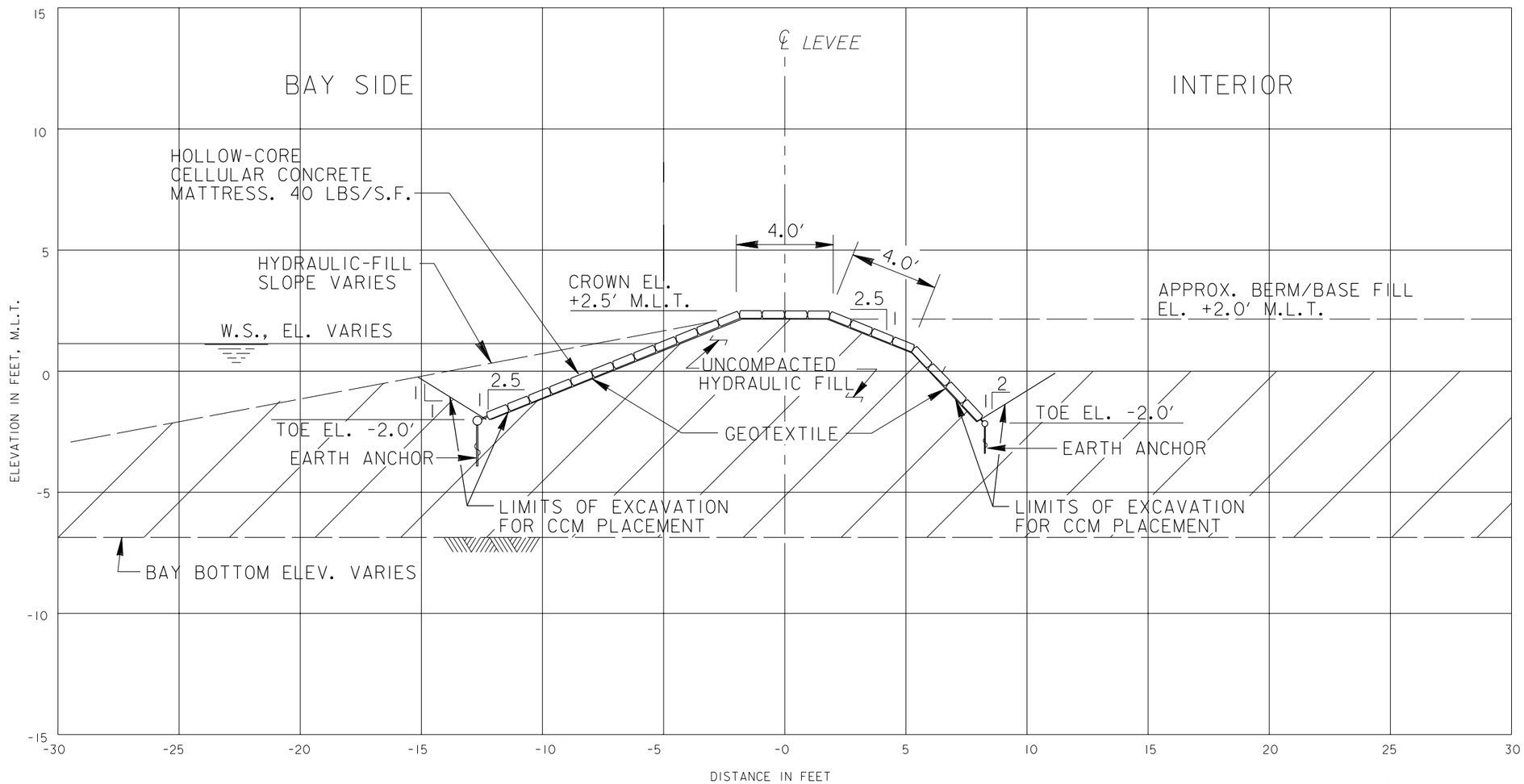


WEIR LENGTH: 100 FT.

NOTES:

1. SEE PLATE 6 FOR PLAN VIEW OF BUDM PLACEMENT AREA.
2. CROSS SECTION IS SHOWN LOOKING TOWARDS INCREASING STATION.

TYPICAL SECTION
WEIR
SPPA 3, SPPA 4 AND SPPA 5

STATIONS: 110+00 - 111+00
127+00 - 128+00
147+00 - 148+00

SCALE: 1"=5'-0"

GENERAL REEVALUATION REPORT
TEXAS CITY CHANNEL, TEXAS

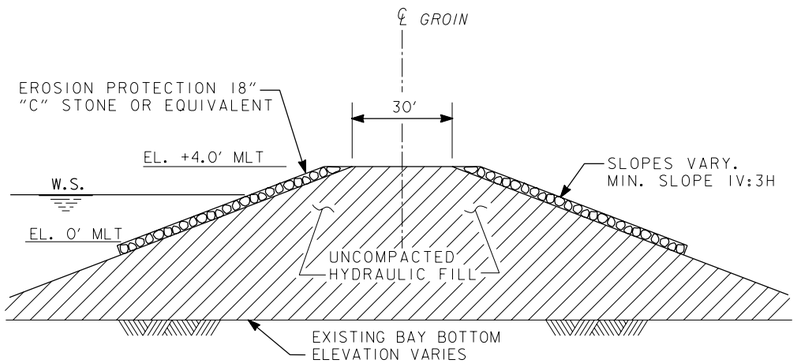
TYPICAL SECTION
WEIR

U.S. ARMY ENGINEER DISTRICT, GALVESTON, TEXAS

DATED: JANUARY 2006

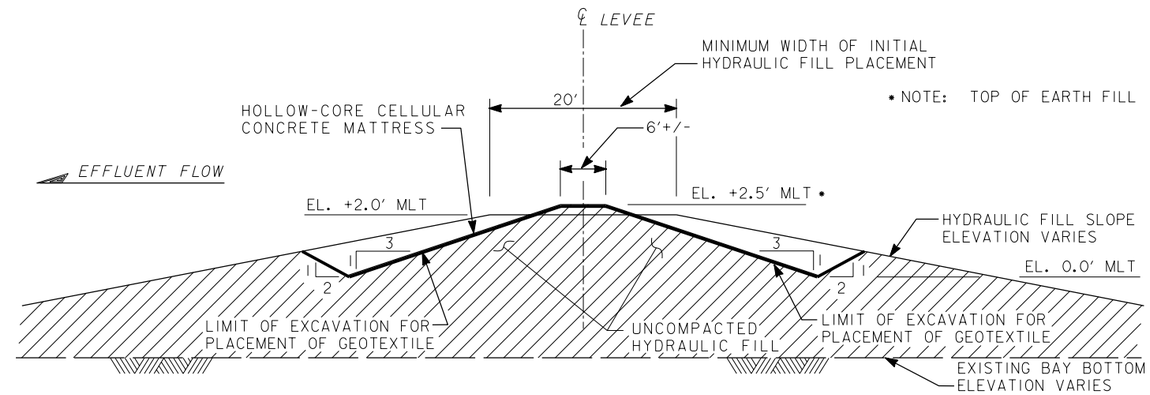
REVISED: JANUARY 25, 2006

PLATE 10



TYPICAL SECTION

GROINS "A" AND "B"

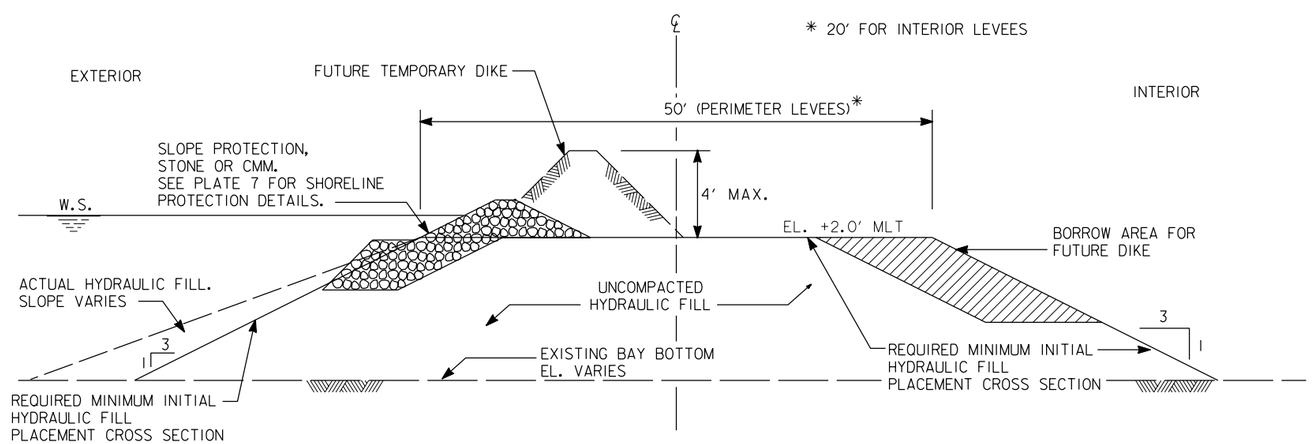


TYPICAL SECTION

SPPA 3, 4 AND 5

GEOTEXTILE-COVERED INTERIOR WEIRS

NOT TO SCALE



TYPICAL SECTION

SPPA 2-5 HYDRAULIC-FILL
BERM / BASE

NOT TO SCALE

NOTE:

1. SEE PLAN VIEW ON PLATE 6 FOR ALIGNMENT OF HYDRAULIC-FILL BERM/BASE AND LOCATIONS OF WEIRS.
2. TYPICAL MINIMUM SECTION FOR INITIAL BERM/BASE PLACEMENT CONSISTS OF 50' CROWN OF MINIMUM ELEVATION OF +2.0' MLT (20' WIDTH FOR INTERIOR LEVEES) WITH MINIMUM SLOPE OF 1V:3H.

GENERAL REEVALUATION REPORT
TEXAS CITY CHANNEL, TEXAS

TEXAS CITY CHANNEL
BUDM PLACEMENT AREAS
TYPICAL SECTIONS

U.S. ARMY ENGINEER DISTRICT, GALVESTON, TEXAS

DATED: JANUARY 2006

REVISED: JANUARY 25, 2006