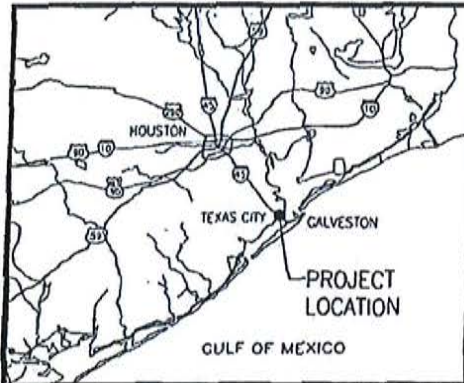
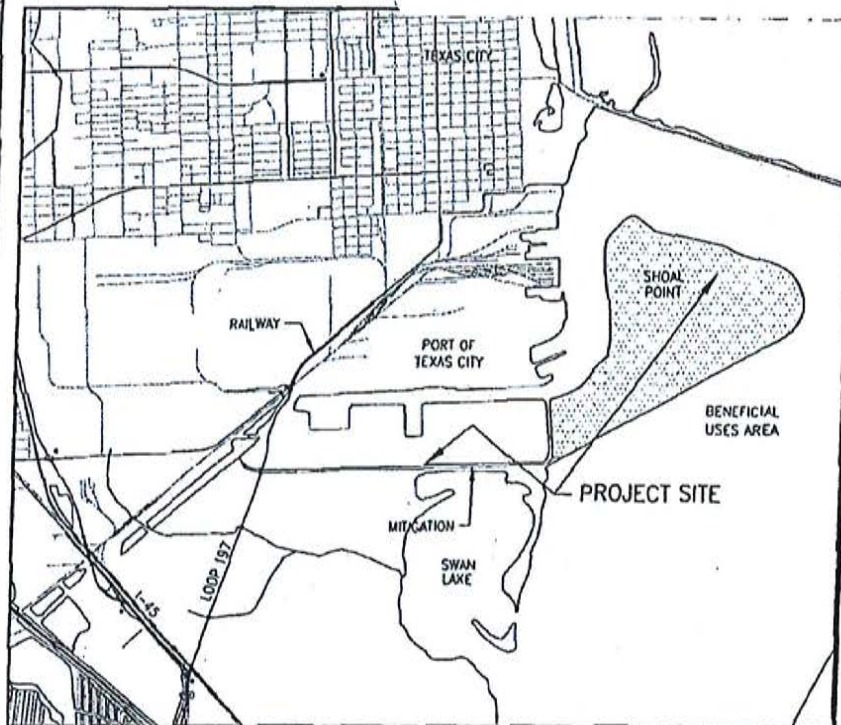




VICINITY MAP

PROJECT
LOCATION



LOCATION MAP

NOTES:

1. THE PROJECT PURPOSE IS TO BUILD A MODERN CONTAINER TERMINAL THAT INCLUDES CHANNEL DEEPENING, BERTHS, WHARFS, CONTAINER YARD, ACCESS CORRIDOR, MITIGATION, AND BENEFICIAL USE SITES.
2. MAJOR ASSETS OF SHOAL POINT ARE: LANDSIDE ACCESS, WATER ACCESS TO GULF, COMPATIBLE LAND USE, MINIMAL ENVIRONMENTAL IMPACTS AND ABILITY TO EXPAND. CONSTRUCT PROJECTS IN PHASES.
3. THE ENTIRE PROJECT WILL BE PERMITTED, HOWEVER IT WILL BE BUILT IN THREE PHASES BEGINNING WITH A 125 ACRE TERMINAL AND TWO BERTHS WITH AN ULTIMATE SIZE OF 400 ACRES AND SIX BERTHS.
4. DREDGE MATERIAL FROM THIS PROJECT AND THE EXISTING MAINTENANCE OF THE TEXAS CITY CHANNEL PROJECT WILL BE USED TO CONSTRUCT MULTIPLE BENEFICIAL USE SITES (SHALLOW WATER) NEAR SHOAL POINT.
5. MITIGATION FOR WETLAND IMPACTS WILL BE PROVIDED AT THE NORTH END OF SWAN LAKE DURING THE CONSTRUCTION OF PHASE I.

APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH WHARVES AND ACCESS CORRIDOR, DREDGE BERTHS AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV. 11/09/01

SHEET 1



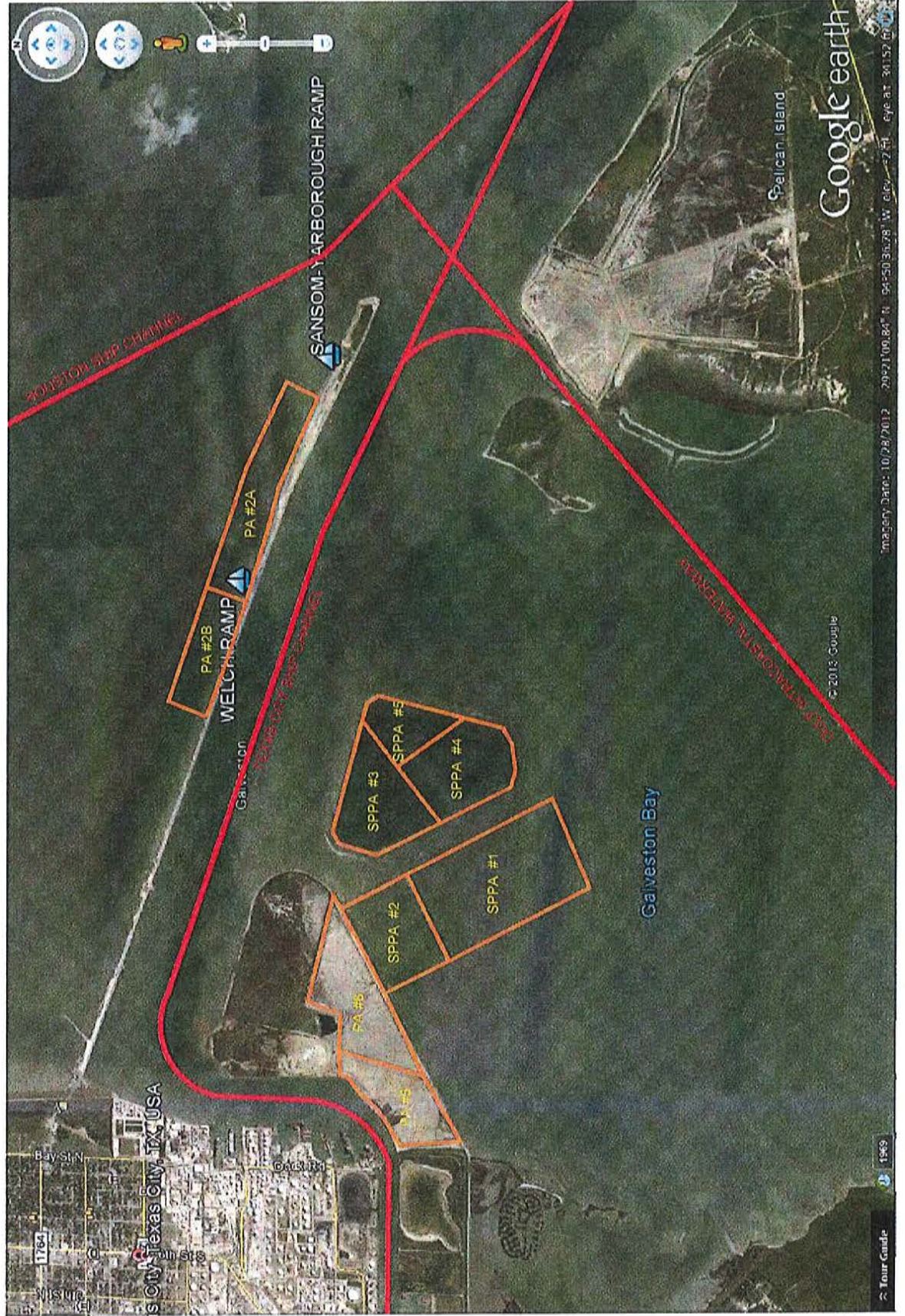
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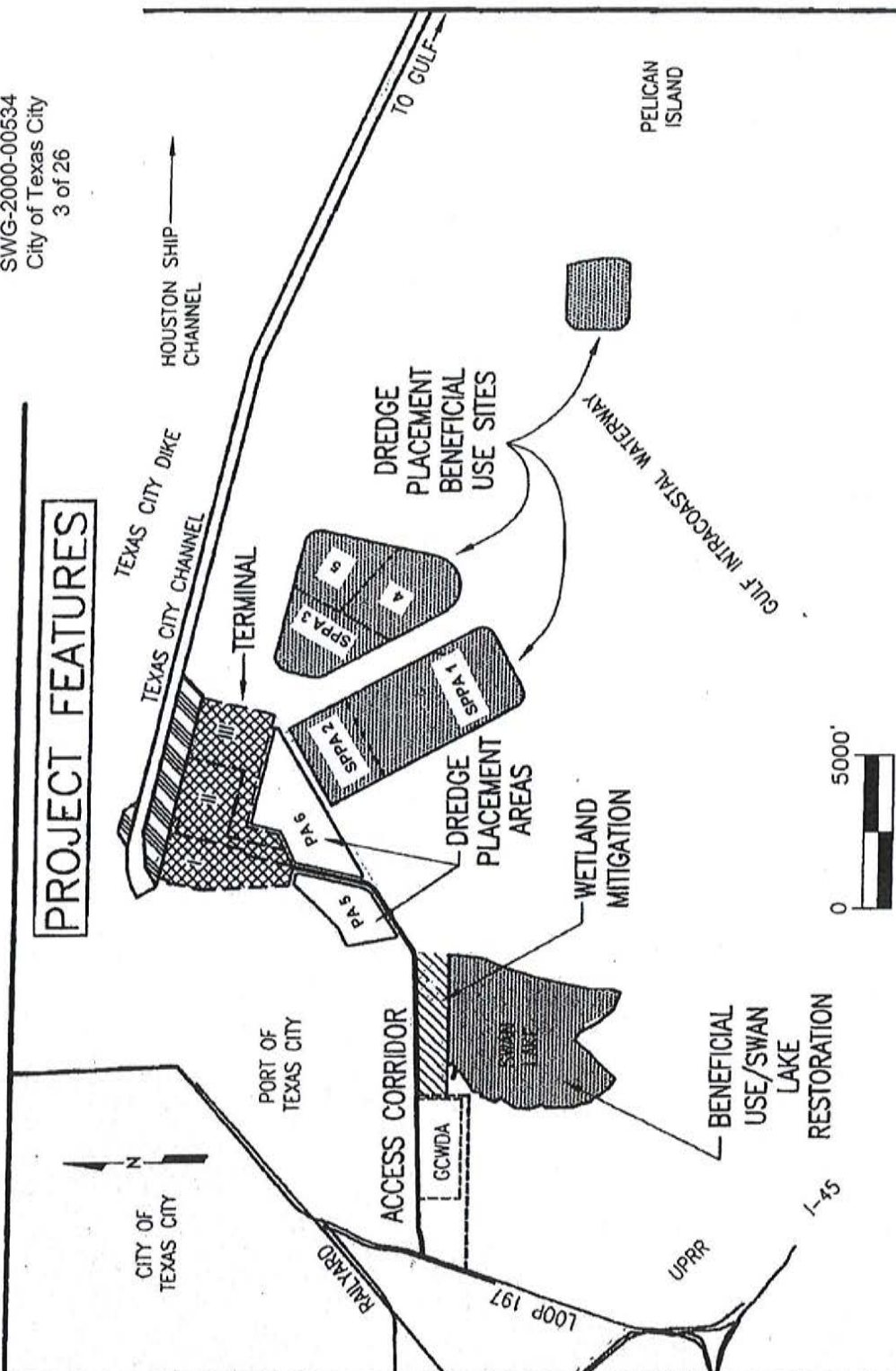
PROJECT SITE MAP

SWG-2000-00534
City of Texas City
2 of 26



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SWG-2000-00534
City of Texas City
3 of 26



APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH WHARVES AND ACCESS CORRIDOR, DREDGE BERTHS AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV. 11/09/01

SHEET 2



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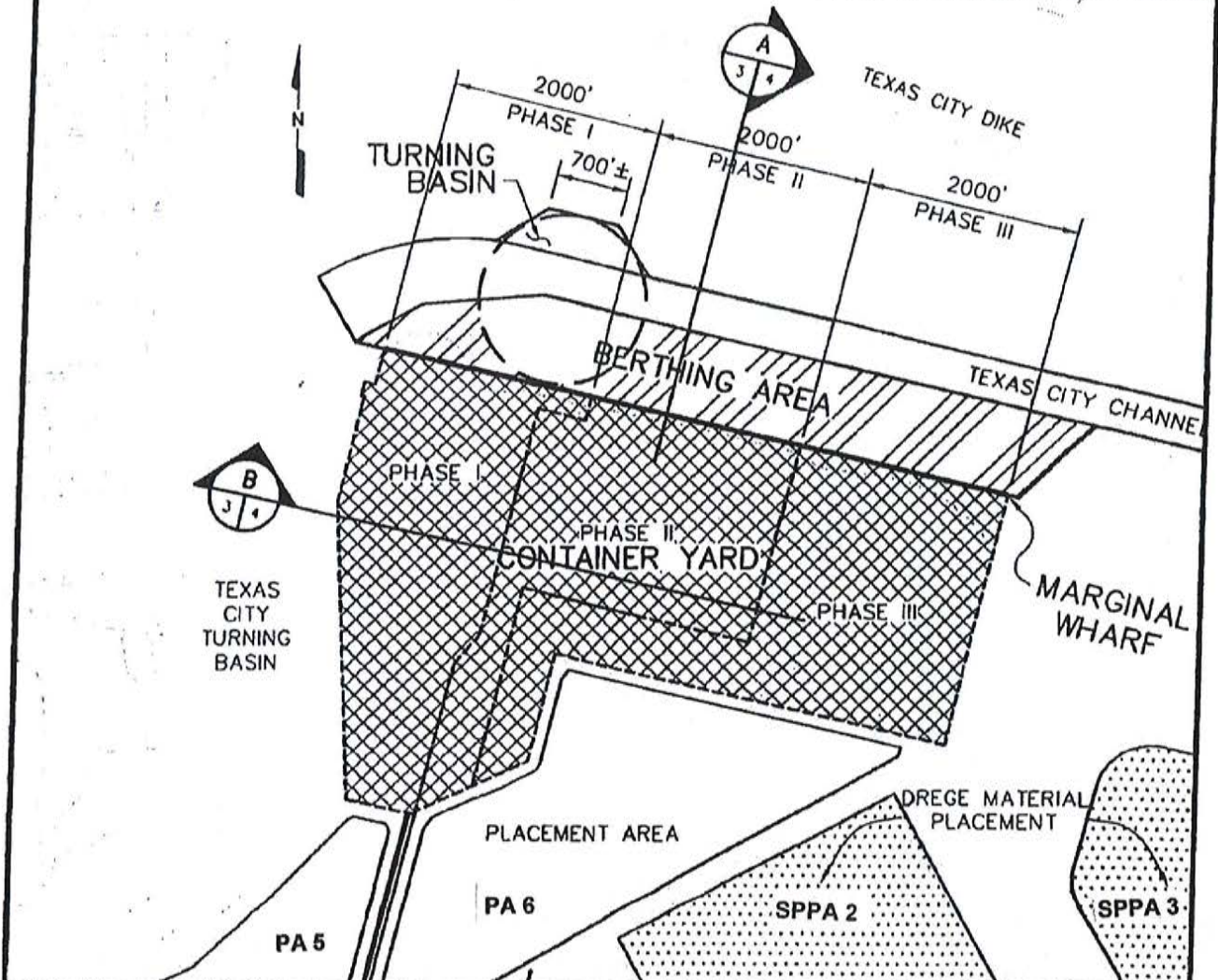
LEGEND

- CONTAINER YARD (SEE SHEET 3)
- BERTHING AREA/TURNING BASIN (SEE SHEET 4)
- 50 YEAR DREDGE MATERIAL PLACEMENT PLAN (SEE SHEETS B46)
- MITIGATION SITE (SEE SHEET 11)
- ACCESS CORRIDOR AND ALTERNATE (SEE SHEET 5.6)
- DEEPEN TEXAS CITY CHANNEL TO 45 FEET. SEE SHEET 7
- GCWDA GULF COAST WASTE DISPOSAL AUTHORITY

PROJECT SUMMARY			
PHASE	CONTAINER YARD	BERTHS	
I	125	125	2
II	125	250	2
III	150	400	2
			6
			6000

1. ENTIRE ACCESS CORRIDOR WILL BE BUILT IN PHASE I.
- (A) PRIMARY ROUTE=3 MILES; (B) ALTERNATE= 1.1 MILES
2. TURNING BASIN WILL BE BUILT IN PHASE II
3. WETLAND MITIGATION WILL BE BUILT IN PHASE I
4. LOST CAPACITY WILL BE MITIGATED BY CONSTRUCTION OF SPBUST LEVES.

TERMINAL FEATURES



- LEGEND**
- XXXXX CONTAINER YARD (SEE SHEET 4)
 - BERTHING AREA/TURNING BASIN (SEE SHEET 4)
 - 50 YEAR DREDGE MATERIAL PLACEMENT AREA (SEE SHEET 8-9)
 - ACCESS CORRIDOR AND ALTERNATE (SEE SHEET 5-6)
 - DEEPEN TEXAS CITY CHANNEL TO 45 FEET. (SEE SHEET 7)
 - GCWDA GULF COAST WASTE DISPOSAL AUTHORITY
 - MARGINAL WHARF



PROJECT SUMMARY					
PHASE	CONTAINER YARD		BERTHS		
	PHASE	TOTAL	PHASE	TOTAL NO.	TOTAL LENGTH
I	125	125	2	2	2000
II	125	250	2	4	4000
III	150	400	2	6	6000

1. ENTIRE ACCESS CORRIDOR WILL BE BUILT IN PHASE I.
2. (A) PRIMARY ROUTE=3 MILES; (B) ALTERNATIVE=3.3 MILES
3. TURNING BASIN WILL BE BUILT IN PHASE II.
4. WETLAND MITIGATION WILL BE BUILT IN PHASE I.

APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH WHARVES AND ACCESS CORRIDOR, DREDGE BERTHS AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV. 11/09/01

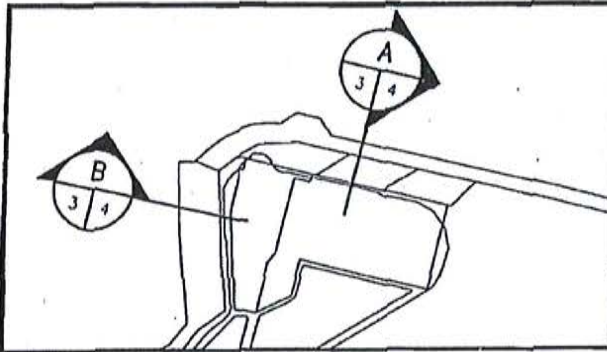
SHEET 3



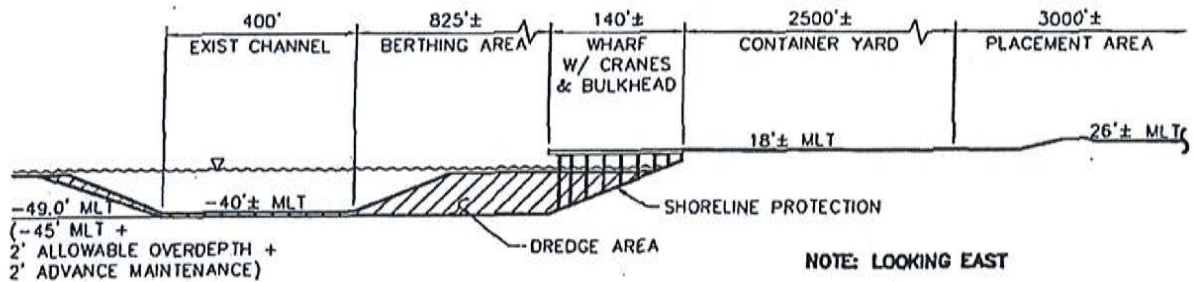
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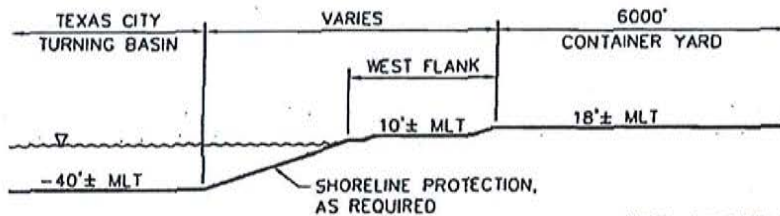


TERMINAL, BERTH & WHARF TYPICAL SECTIONS



SECTION THROUGH BERTHING BASIN, WHARF TERMINAL

SCALE: N.T.S.



SECTION THROUGH TERMINAL

SCALE: N.T.S.

NOTES:

1. SHORELINE STABILIZATION REQUIRED UNDER WHARF. STABILIZATION MAY BE BULKHEAD, REVETMENT, OR OTHER STRUCTURAL METHOD.
2. SUBMERGED AREA UNDER WHARF:
PHASE I - 275,000 SF
PHASE II - 550,000 SF
PHASE III - 825,000 SF

APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH WHARVES AND ACCESS CORRIDOR, DREDGE BERTHS AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV. 11/09/01

SHEET 4

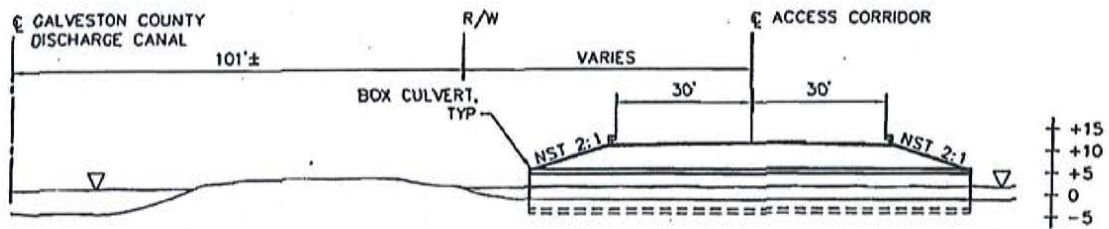
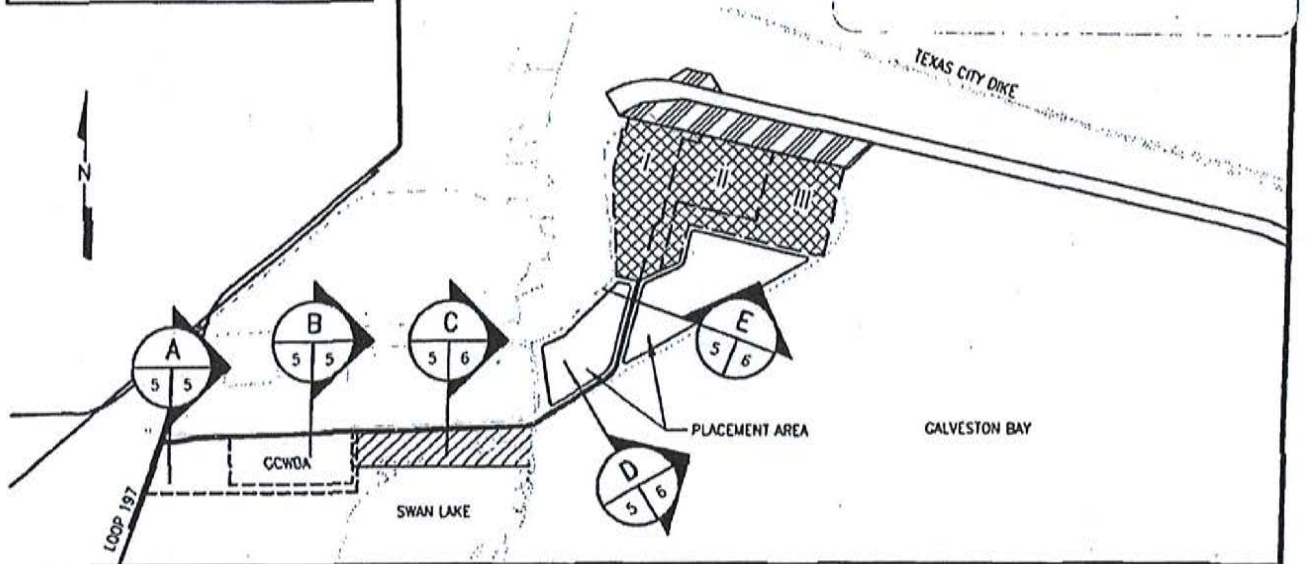


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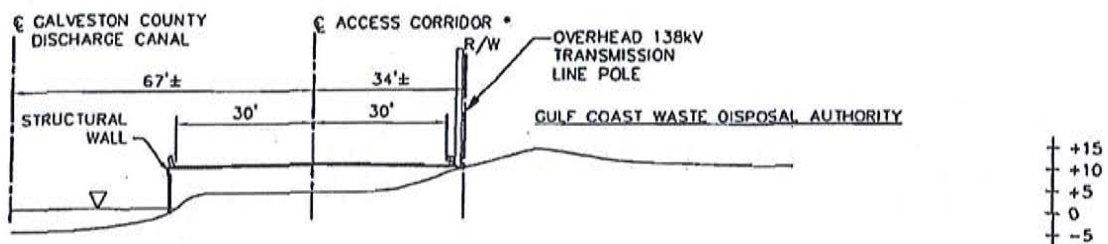


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ACCESS CORRIDOR TYPICAL SECTIONS



A RDWY TYP SECTION NEAR LOOP 197
SCALE: N.T.S.



B RDWY TYP SECTION NEAR GCWDA
SCALE: N.T.S.

* WORK INCLUDES RELOCATION OF EXISTING UTILITIES

N.T.S. = NOT STEEPER THAN

APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH WHARVES AND ACCESS CORRIDOR, DREDGE BERTHS AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV. 7/12/02

SHEET 5

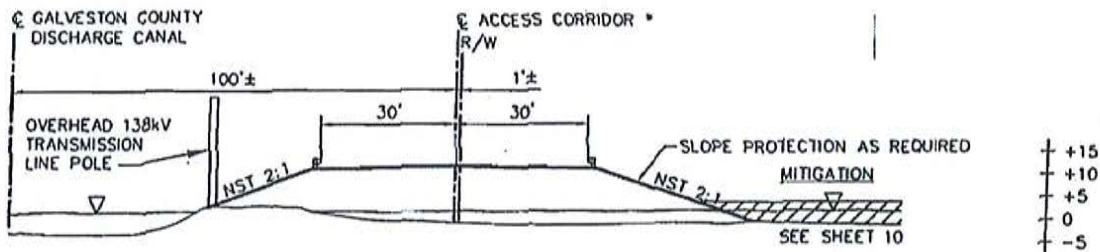


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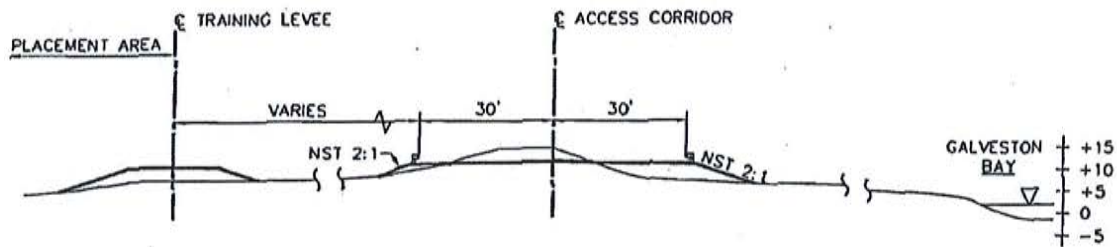


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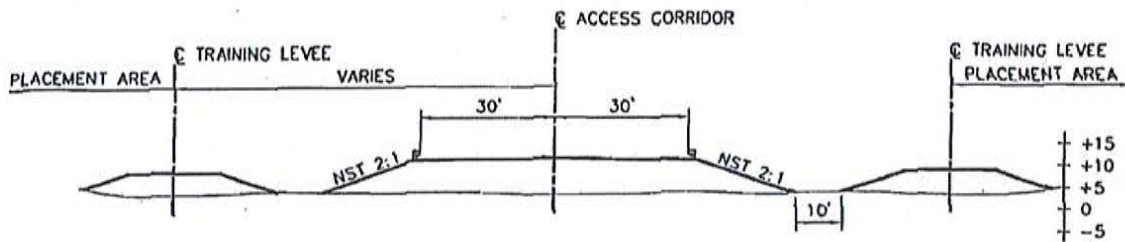
ACCESS CORRIDOR TYPICAL SECTIONS CONT.



C RDWY TYP SECTION ADJACENT TO MITIGATION SITE & SWAN LAKE
SCALE: N.T.S.



D RDWY TYP SECTION ALONG SHOAL POINT SOUTHERN LEVEE
SCALE: N.T.S.



E RDWY TYP SECTION ALONG SHOAL POINT
SCALE: N.T.S.

* WORK INCLUDES RELOCATION OF EXISTING UTILITIES

N.T.S. = NOT STEEPER THAN

APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH WHARVES AND ACCESS CORRIDOR, DREDGE BERTHS AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV. 7/12/02

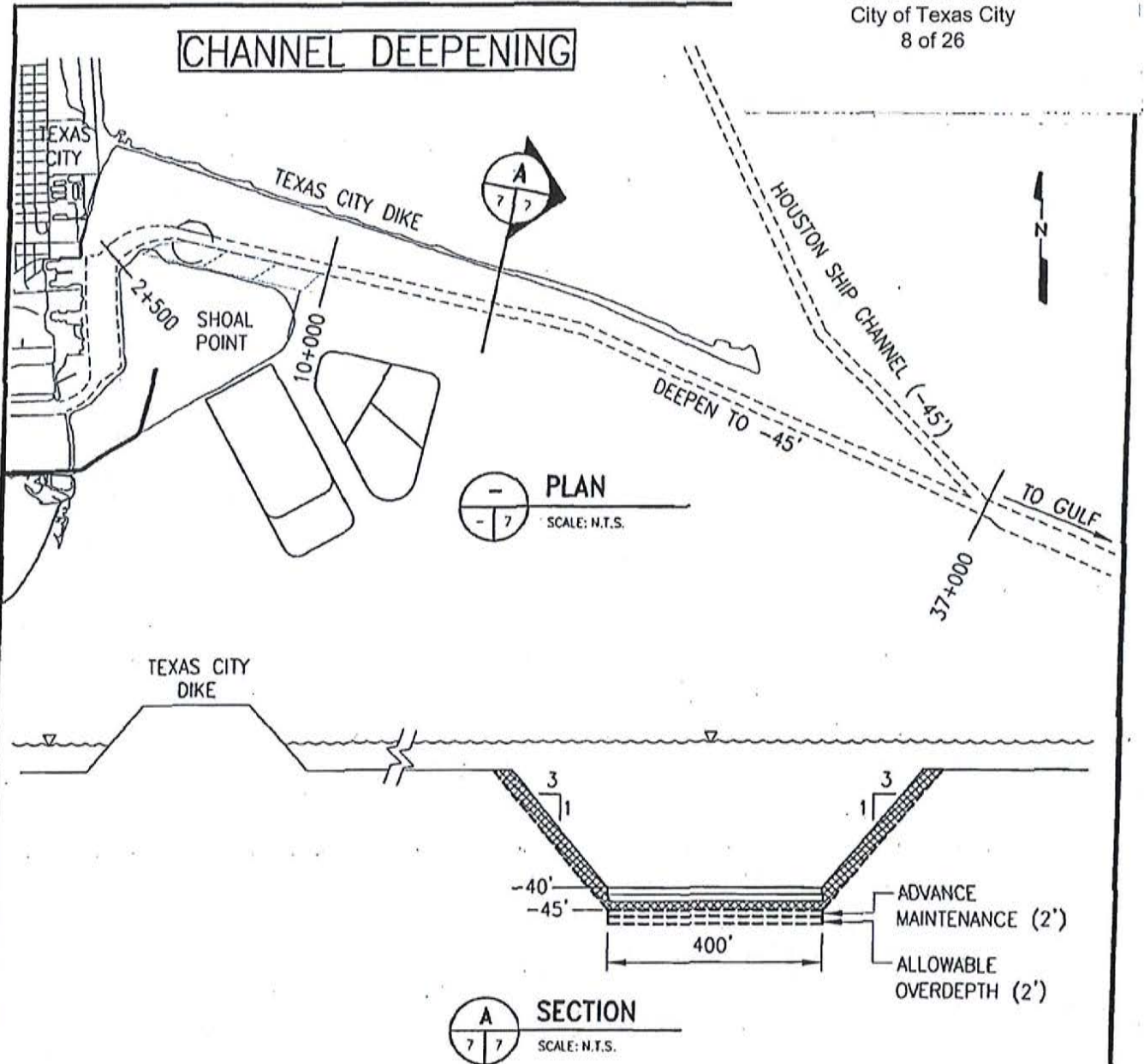
SHEET 6



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NOTES:

1. THE EXISTING TEXAS CITY CHANNEL WILL BE DEEPEMED FROM 40 FT. TO 45 FT. FROM THE SHOAL POINT TERMINAL SITE TO THE HOUSTON SHIP CHANNEL, (STA 2+625 TO 37+428).
2. TO BE CONSISTENT WITH DREDGING PROCEDURES IN FEDERAL CHANNELS THE DEEPEMED WILL INCLUDE 2 FT OF ADVANCE MAINTENANCE DREDGING AND 2 FT OF ALLOWABLE OVERDEPTH.
3. THE HOUSTON SHIP CHANNEL IS CURRENTLY BEING DEEPEMED TO A DEPTH OF 45 FT.
4. THE CURRENT BOTTOM WIDTH OF 400 FT. WILL BE MAINTAINED.

APPLICANT: CITY OF TEXAS CITY

PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH WHARVES AND ACCESS CORRIDOR, DREDGE BERTHS AND TURNING BASIN, DEEPEMED EXISTING CHANNEL.

DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV: 11/09/01

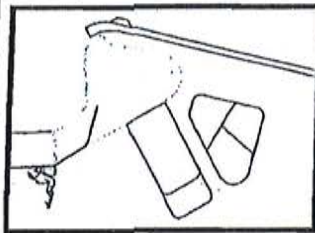
SHEET 7



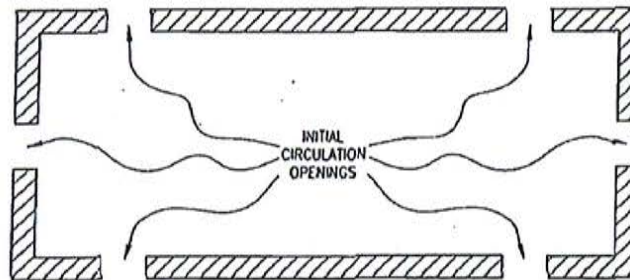
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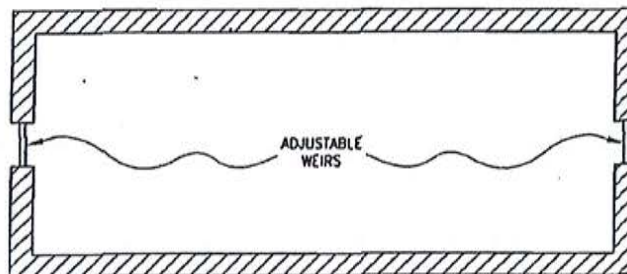
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**50 YEAR DREDGE PLACEMENT AREAS/BENEFICIAL
USES SITES ILLUSTRATIVE CONCEPT**
(NOT TO SCALE)

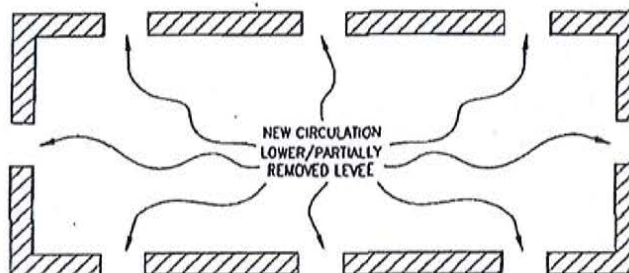


STAGE 1: BUILD CONTAINMENT LEVEES WITH NEW CONSTRUCTION; DREDGE MATERIAL, SHORELINE PROTECTION PROVIDED AS NEEDED; OPENINGS IN LEVEES WILL ALLOW CIRCULATION & WATER EXCHANGE INSIDE CELL.



STAGE 2: FILL WITH DREDGE MATERIAL AND ALLOW TO CONSOLIDATE.

STAGE 3: AFTER CONSOLIDATION, SHAPE FILL MATERIAL TO ELEVATIONS APPROPRIATE TO CONSTRUCT SHALLOW WATER HABITAT CONSISTING OF UPLANDS, HIGH MARSH, LOW MARSH, SUBMERGED GRASS AND OPEN WATER.



STAGE 4: PLANT VARIOUS TYPES OF DIVERSE HABITATS (BY OTHERS). PARTIALLY REMOVE LEVEES TO PROVIDE WATER CIRCULATION/EXCHANGE; LEAVE SIGNIFICANT PORTIONS OF LEVEES IN PLACE, EITHER EMERGENT OR SUBMERGED TO PROVIDE STABILIZATION/ PROTECTION OF SHALLOW WATER HABITAT.

NOTE: THIS SECTION IS REPRESENTATIVE ONLY; DETAILS WILL VARY DEPENDING ON SPECIFIC LOCATION

APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH WHARVES AND ACCESS CORRIDOR, DREDGE BERTHS AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV. 11/09/01

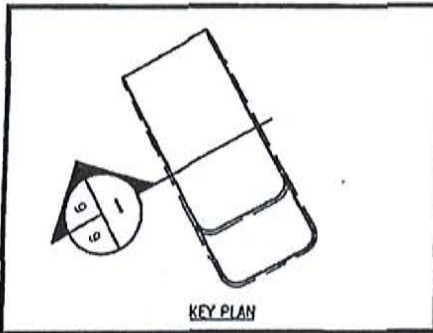
SHEET 8



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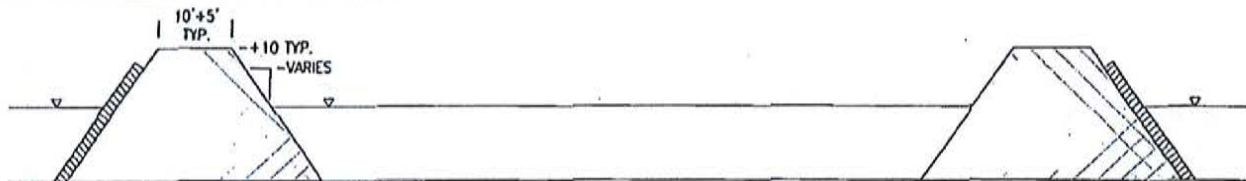


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- LEGEND
- SHORELINE PROTECTION
 - NEW CONSTRUCTION MATERIAL
 - MAINTENANCE MATERIAL
 - REMOVE PORTIONS OF LEVEE

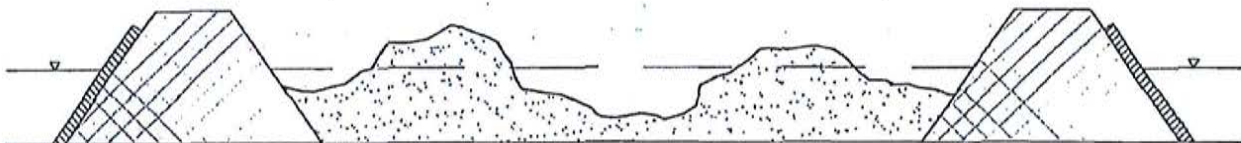
**50 YEAR DREDGE PLACEMENT AREAS/BENEFICIAL
USES SITES ILLUSTRATIVE CONCEPT (CONT.)**
(NOT TO SCALE)



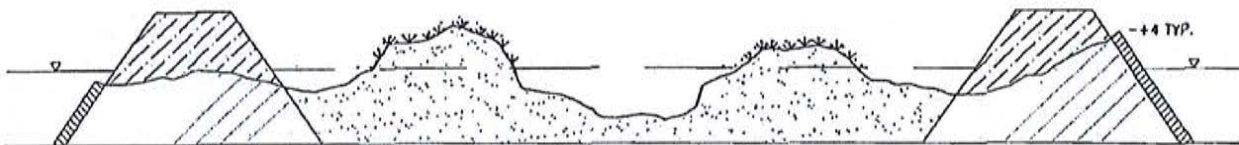
STAGE 1: BUILD CONTAINMENT LEVEES WITH NEW CONSTRUCTION; DREDGE MATERIAL, SHORELINE PROTECTION PROVIDED AS NEEDED; OPENINGS IN LEVEES WILL ALLOW CIRCULATION & WATER EXCHANGE INSIDE CELL WHERE APPLICABLE.



STAGE 2: FILL WITH DREDGE MATERIAL AND ALLOW TO CONSOLIDATE. CONSTRUCT ADJUSTABLE WEIRS TO HANDLE EFF.



STAGE 3: AFTER CONSOLIDATION, SHAPE FILL MATERIAL TO ELEVATIONS APPROPRIATE TO CONSTRUCT SHALLOW WATER HABITAT CONSISTING OF UPLANDS, HIGH MARSH, LOW MARSH, SUBMERGED GRASS AND OPEN WATER.



STAGE 4: PLANT VARIOUS TYPES OF DIVERSE HABITATS. PARTIALLY REMOVE LEVEES TO PROVIDE WATER CIRCULATION/EXCHANGE; LEAVE SIGNIFICANT PORTIONS OF LEVEES IN PLACE, EITHER EMERGENT OR SUBMERGED TO PROVIDE STABILIZATION/ PROTECTION OF SHALLOW WATER HABITAT.

APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH WHARVES AND ACCESS CORRIDOR, DREDGE BERTHS AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV. 11/09/01

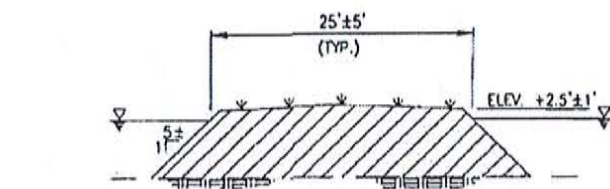
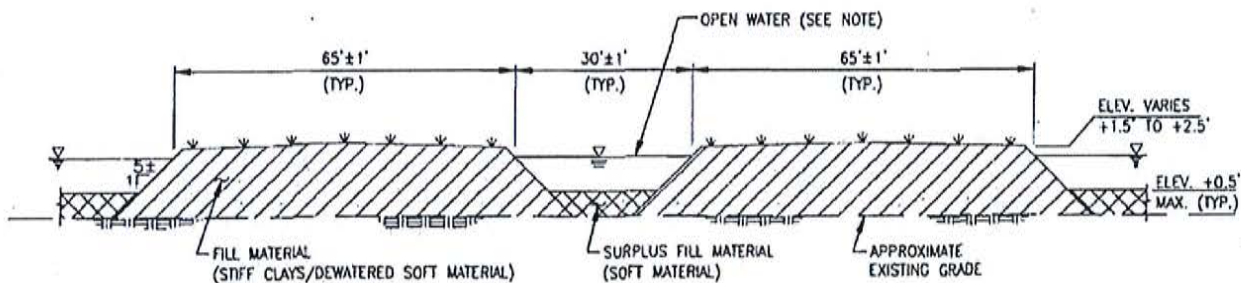
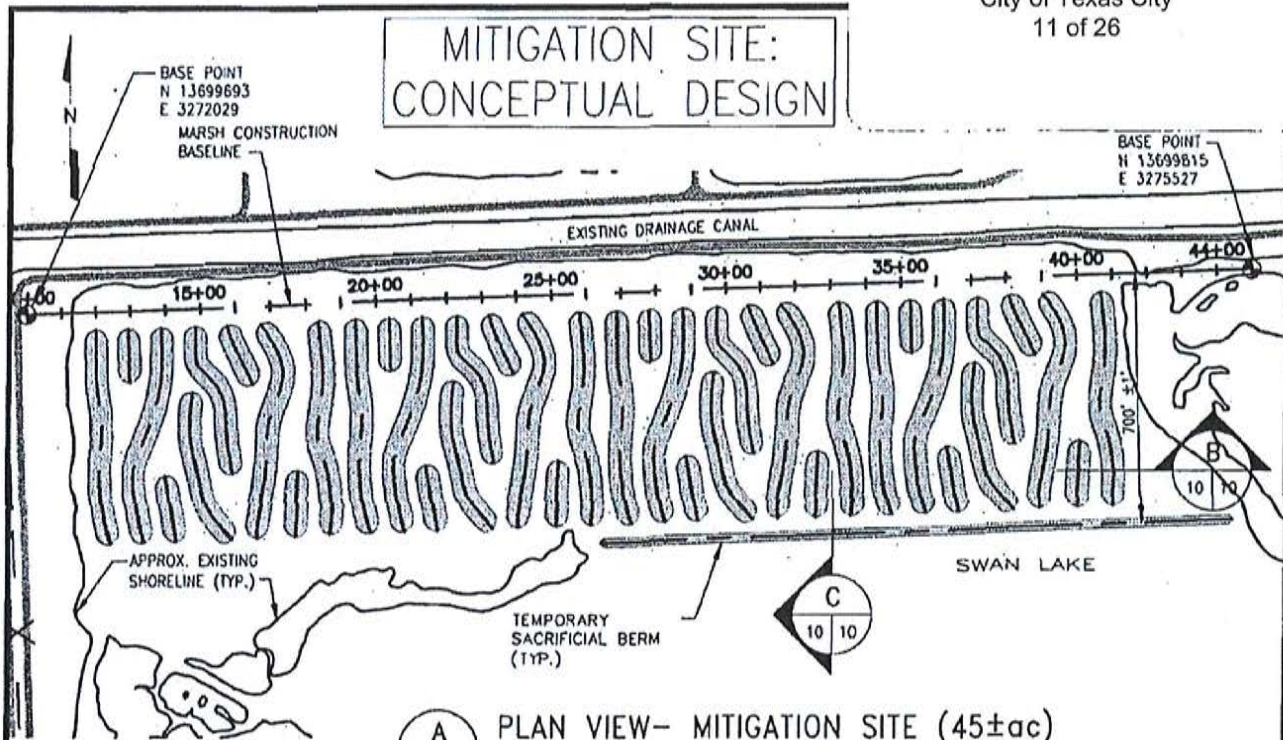
SHEET 9



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NOTE:

TARGET SPECIES: SPARTINA ALTERNIFLORA
OPEN WATER: 40%
TARGET ELEVATION (BERMS): +1.5' TO
+2.5'

COORDINATES BASED ON NAD83 TEXAS
STATE PLANE SOUTH CENTRAL ZONE ±5'

LEGEND:

- BERM
- SACRIFICIAL BERM
- NEW PLANTED MARSH
VEGETATION (SEE NOTES)

APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH
WHARVES AND ACCESS CORRIDOR, DREDGE BERTHS
AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV. 03/18/03

SHEET 10



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MITIGATION/MONITORING PLAN

1. A transplant survival survey of the planted mitigation area must be performed 45-60 calendar days following the initial planting effort. If at least 50% survival of transplants is not achieved, a second planting effort will be completed within 60 calendar days of completing the initial survival survey. If optimal seasonal requirements for re-planting targeted species are not suitable when replanting would be required, the Corps Galveston District (Corps) Regulatory Compliance Section must approve a replanting schedule.
2. Written reports detailing plant survival must be submitted to the Corps Regulatory Compliance Section within 30 calendar days of completing the initial survival survey and any subsequent replanting effort. The reports must include the date of initial planting and the percent survival of the transplants.
3. If after one year from the initial planting effort (or subsequent planting efforts) the site does not have at least 35% aerial coverage of targeted vegetation, those areas that are not vegetated will be replanted using the original planting specifications.
4. If after three years from the initial planting effort (or subsequent planting efforts) the site does not have at least 70 % aerial coverage of targeted vegetation, those areas that are not vegetated will be replanted using the original planting specifications. If 70% aerial coverage of targeted species is reached after three years, the mitigation is successful.
5. In addition to the initial survey report, progress reports will be submitted to the Corps Galveston District Regulatory Compliance Section at 6-month, 1-year, 2-year, and 3-year intervals following the initial transplanting effort or subsequent replanting efforts. Photos of the mitigation site will be included. The progress reports must include the percent aerial coverage of targeted species and must identify the dominant species in the mitigation area.

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APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH
WHARVES AND ACCESS CORRIDOR, DREDGE BERTHS
AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV. 03/18/03

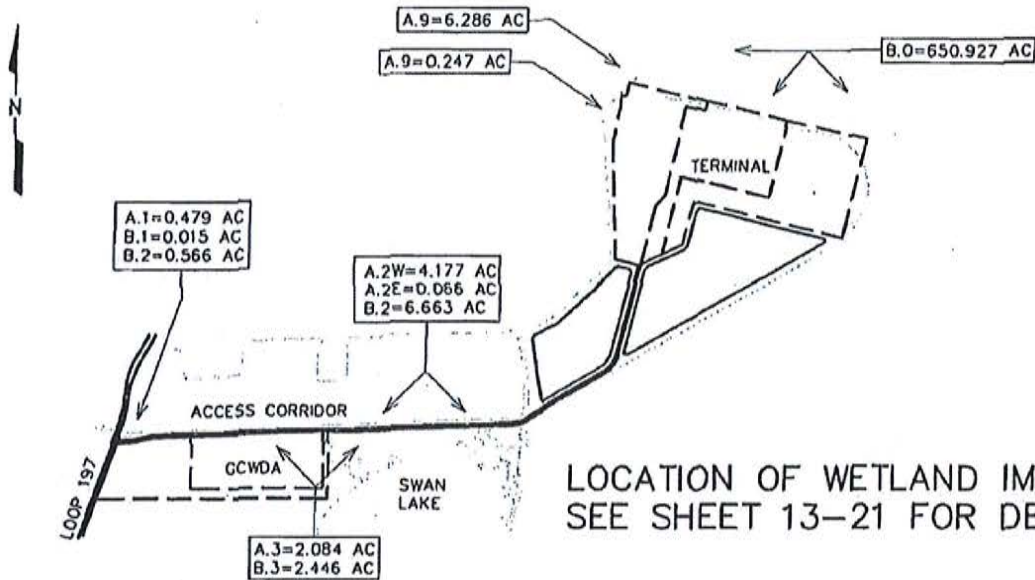
SHEET 10



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LOCATION OF WETLAND IMPACTS.
SEE SHEET 13-21 FOR DETAILS

WETLANDS IMPACT SUMMARY

Summary of Jurisdictional Wetlands

A. Section 404 Wetlands		
Location ID	Area (Acres)	Description
A.1	0.479	Adjacent to Loop 197
A.2	0.066	Swan Lake - East of Upland Ridge
A.2	4.177	Swan Lake - West of Upland Ridge
A.3	2.084	South Shore of Hurricane Channel
A.5	6.286	North Shoreline of Shoal Point
A.9	0.247	Drainage Ditch from Shoal Point Cell C
Subtotal	13.339	
B. Open Water - Section 10		
Location ID	Area (Acres)	Description
B.1	0.015	Adjacent to Loop 197
B.1	0.566	Adjacent to Loop 197
B.2	6.663	Swan Lake
B.3	2.446	Hurricane Channel
B.0	650.927	Areas of Other Dredging - berthing area, turning basin, ship channel
Subtotal	660.617	
TOTAL	673.956	

APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH
WHARVES AND ACCESS CORRIDOR, DREDGE BERTHS
AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV. 11/09/01

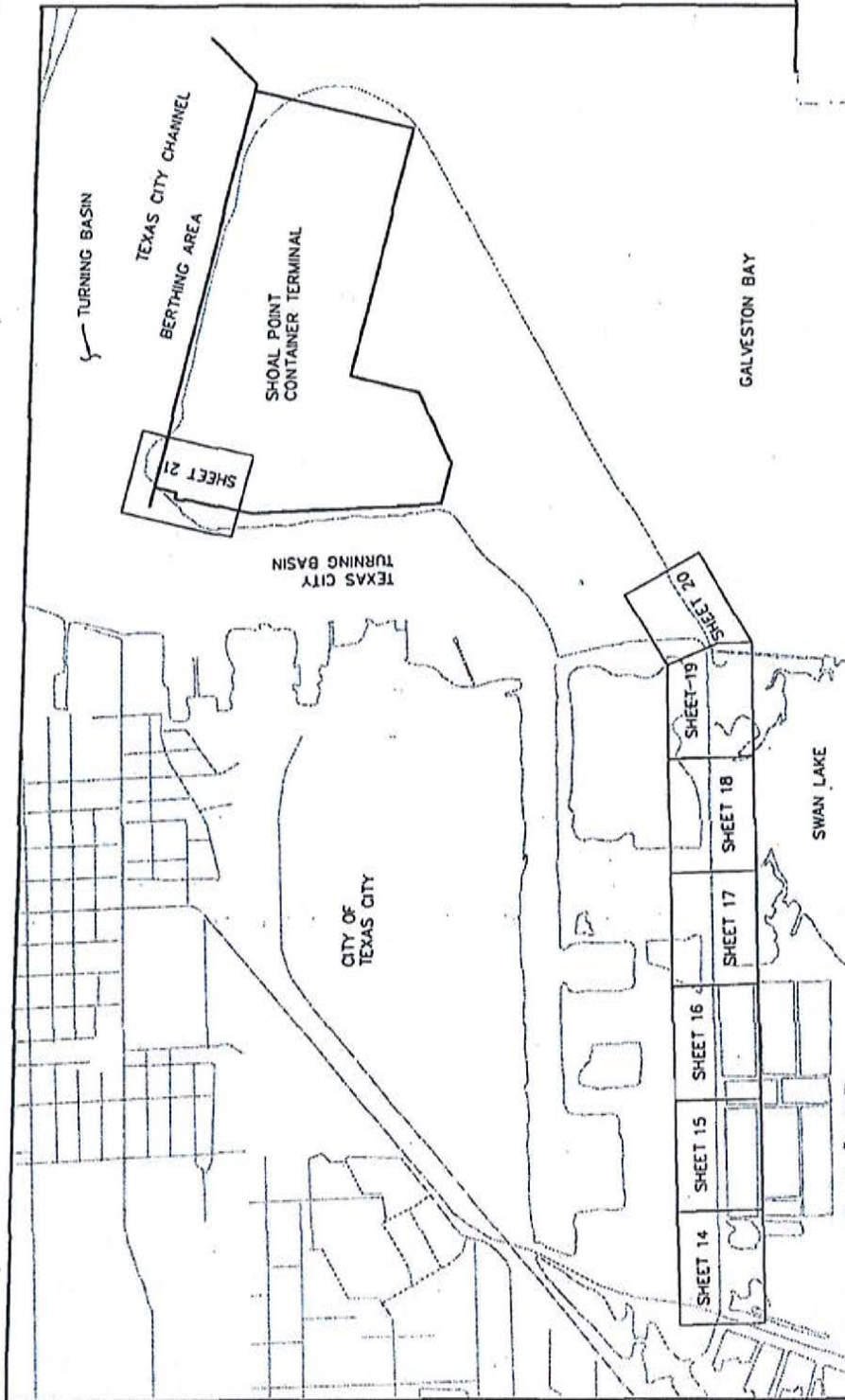
SHEET 12



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WETLAND IMPACT KEY PLAN

WETLAND BOUNDARIES PROVIDED BY PBSJ SHALL BE BASED
UPON FIELD WORK AND SURVEY PERFORMED DURING
JUNE-JULY 2001. SEE SHEET 10 FOR WETLANDS SUMMARY.

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APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH
WHARFS AND ACCESS CORRIDOR, DREDGE BERTHS
AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV. 11/09/01

SHEET 13



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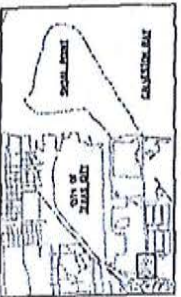
Summary of Jurisdictional Wetlands

A. Section 404 Wetlands

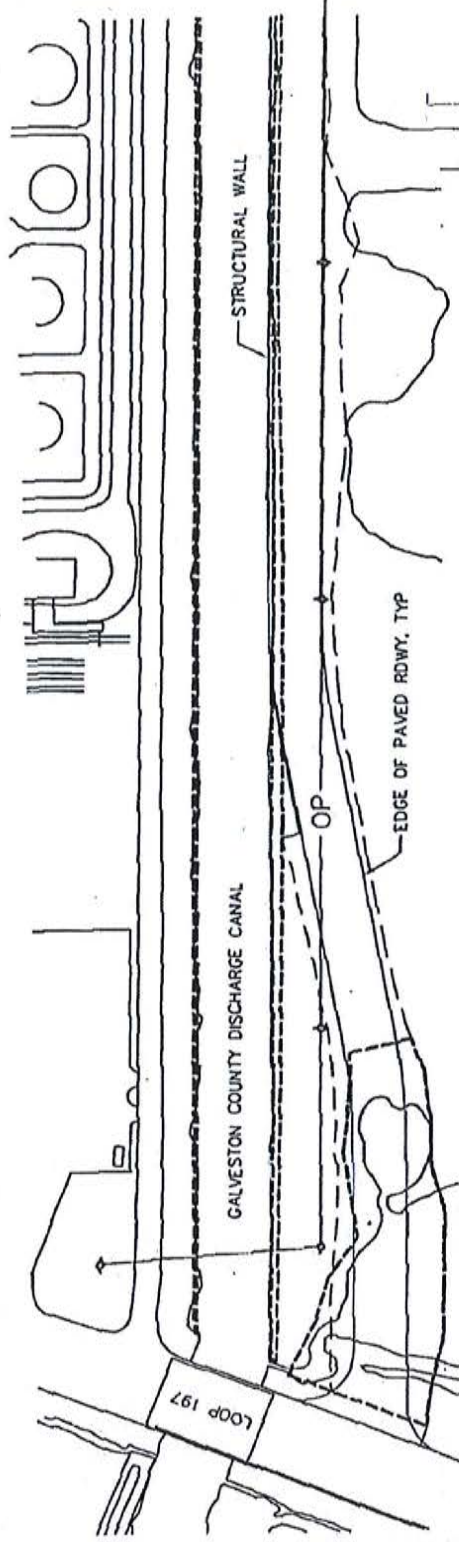
Location ID	Area (Acres)	Description
A.1	0.479	Adjacent to Loop 197
A.2	0.066	Swan Lake - East of Upland Ridge
A.2	4.177	Swan Lake - West of Upland Ridge
A.3	2.084	South Shore of Hurricane Channel
A.5	6.286	North Shoreline of Shoal Point
A.9	0.247	Drainage Ditch from Shoal Point Cell C
Subtotal	13.339	

NOTES:

1. ** INDICATES WETLANDS SHOWN ON THIS PAGE.
2. LOCATION ID REFERS TO GENERAL AREA AS SHOWN ON WETLANDS SUMMARY: SEE SHEET 12.
3. SECTION 10 JURISDICTIONAL AREAS ZONE NOT SHOWN: REFER TO SHEET 12.



KEY PLAN



LEGEND

- JURISDICTIONAL SECTION 404 WETLAND BOUNDARY
- ESTIMATED TOE OF SLOPE



PROJECT FOOTPRINT AND JURISDICTIONAL WETLANDS

WETLAND BOUNDARIES PROVIDED BY PBSJ ARE BASED UPON FIELD WORK AND SURVEY PERFORMED DURING MAY-JULY 2001.

APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH WHARVES AND ACCESS CORRIDOR, DREDGE BERTHS AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV. 11/09/01

SHEET 14



SHINER MOSELEY AND ASSOCIATES, INC.
ENGINEERS & CONSULTANTS
Corpus Christi/Houston

BERGER/ABAM ENGINEERS
SEATTLE, WASHINGTON

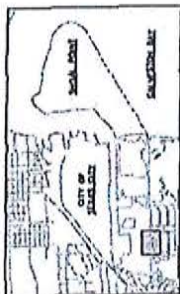
Summary of Unavoidable Wetlands Impacts

A. Section 404 Only Wetlands

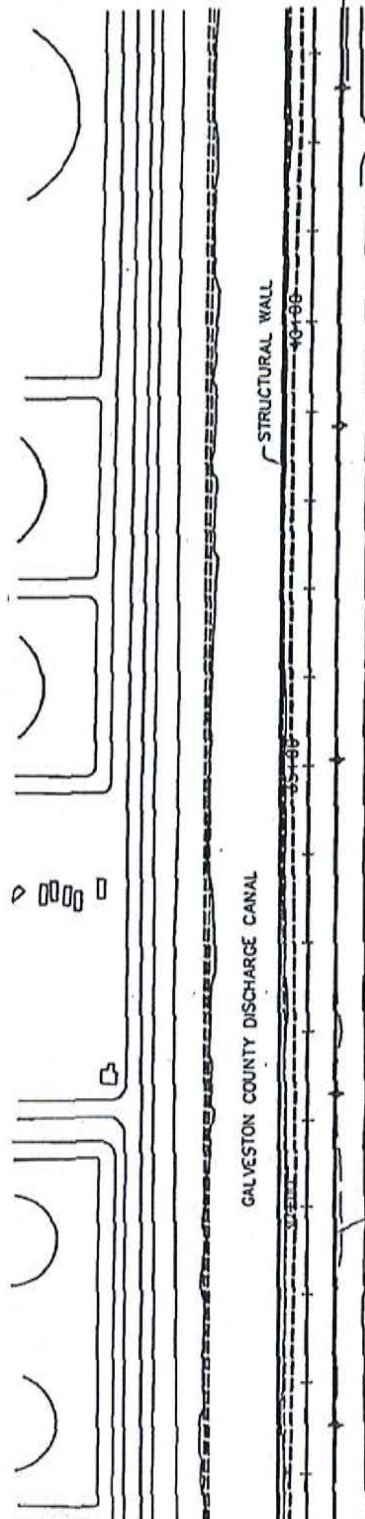
Location ID	Area (Acres)	Description
A.1	0.479	Adjacent to Loop 197
A.2	0.066	Swan Lake - East of Upland Ridge
A.2	4.177	Swan Lake - West of Upland Ridge
A.3	2.084	South Shore of Hurricane Channel
A.5	6.286	North Shoreline of Shoal Point
A.9	0.247	Drainage Ditch from Shoal Point Cell C
Subtotal	13.339	

NOTES:

1. *** INDICATES WETLANDS SHOWN ON THIS PAGE.
2. LOCATION ID REFERS TO GENERAL AREA AS SHOWN ON WETLANDS SUMMARY: SEE SHEET 10.
3. SECTION 10 JURISDICTIONAL AREAS ZONE NOT SHOWN HERE ON; REFER TO SHEET 10.



KEY PLAN



LEGEND

--- JURISDICTIONAL SECTION 404 WETLAND BOUNDARY

--- ESTIMATED TOE OF SLOPE



PROJECT FOOTPRINT AND JURISDICTIONAL WETLANDS

WETLAND BOUNDARIES PROVIDED BY PBSI ARE BASED UPON FIELD WORK AND SURVEY PERFORMED DURING JUNE-JULY 2001.

APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH WHARFS AND ACCESS CORRIDOR, DREDGE BERTHS AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USCE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV. 11/09/01

SHEET 15



SHIENER MOSELEY AND ASSOCIATES, INC.
ENGINEERS & CONSULTANTS
Corpus Christi/Houston

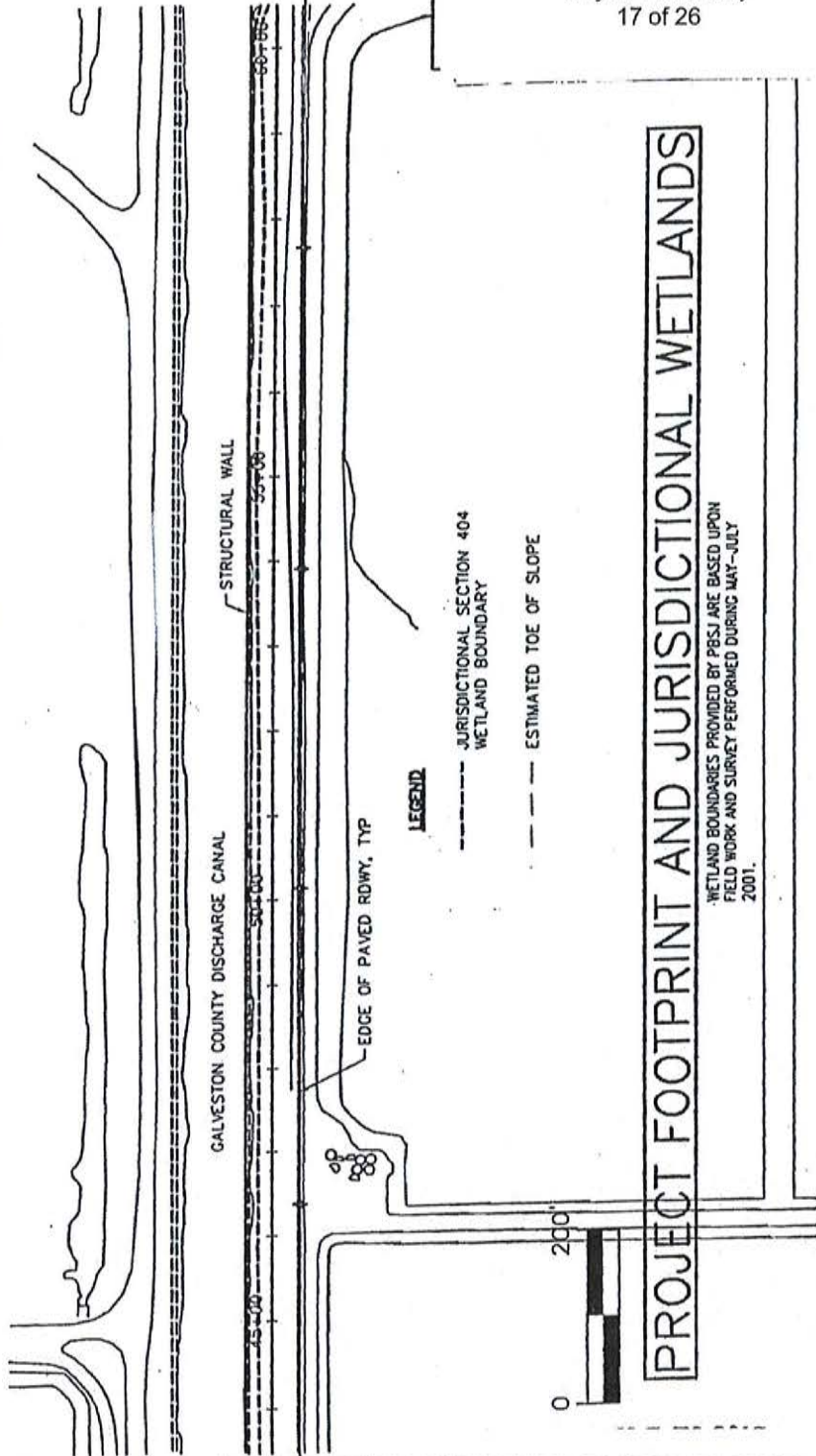
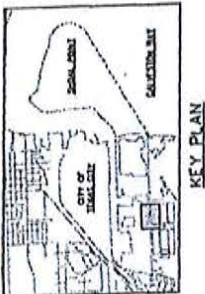


BERGER/ABAM ENGINEERS
SEATTLE, WASHINGTON

Summary of Jurisdictional Wetlands

A. Section 404 Wetlands		
Location ID	Area (Acres)	Description
A.1	0.479	Adjacent to Loop 197
A.2	0.066	Swan Lake—East of Upland Ridge
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A.5	6.286	North Shoreline of Shoal Point
A.9	0.247	Drainage Ditch from Shoal Point Cell C
Subtotal	13.339	

- NOTES:
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PROJECT FOOTPRINT AND JURISDICTIONAL WETLANDS

WETLAND BOUNDARIES PROVIDED BY PBSJ ARE BASED UPON
FIELD WORK AND SURVEY PERFORMED DURING MAY-JULY
2001.

APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH
WHARVES AND ACCESS CORRIDOR, DREDGE BERTHS
AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV. 11/09/01



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ENGINEERS & CONSULTANTS
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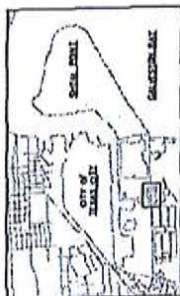
BERGER/ABAM ENGINEERS
SEATTLE, WASHINGTON

Summary of Jurisdictional Wetlands

A. Section 404 Wetlands		
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KEY PLAN

GALVESTON COUNTY DISCHARGE CANAL

STRUCTURAL WALL

EDGE OF PAVED ROWY, TYP

LEGEND

JURISDICTIONAL SECTION 404 WETLAND BOUNDARY

ESTIMATED TOE OF SLOPE

SWAN LAKE

PROJECT FOOTPRINT AND JURISDICTIONAL WETLANDS

WETLAND BOUNDARIES PROVIDED BY PBSJ ARE BASED UPON FIELD WORK AND SURVEY PERFORMED DURING MAY-JULY 2001.

APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH WHARFS AND ACCESS CORRIDOR, DREDGE BERTHS AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USCE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV. 11/09/01

SHEET 17



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Corpus Christi/Houston



BERGER/ABAM ENGINEERS
SEATTLE, WASHINGTON

Summary of Jurisdictional Wetlands

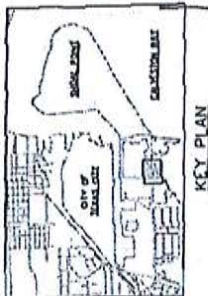
A. Section 404 Wetlands

Location ID	Area (Acres)	Description
A.1	0.479	Adjacent to Loop 197
A.2	0.066	Swan Lake - East of Upland Ridge
A.3	4.177	Swan Lake - West of Upland Ridge
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A.9	0.247	Drainage Ditch from Shoal Point Cell C
Subtotal	13.339	

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**



KEY PLAN

GALVESTON COUNTY DISCHARGE CANAL

EDGE OF PAVED RDWY, TYP

LEGEND

--- JURISDICTIONAL SECTION 404 WETLAND BOUNDARY

--- ESTIMATED TOE OF SLOPE

SWAN LAKE



PROJECT FOOTPRINT AND JURISDICTIONAL WETLANDS

WETLAND BOUNDARIES PROVIDED BY PBSJ ARE BASED UPON FIELD WORK AND SURVEY PERFORMED DURING MAY-JULY 2001.

APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH WHARFS AND ACCESS CORRIDOR, DREDGE BERTHS AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV. 11/09/01

SHEET 18



SHINER MOSELEY AND ASSOCIATES, INC.
ENGINEERS & CONSULTANTS
Corpus Christi/Houston



BERGER/ABAM ENGINEERS
SEATTLE, WASHINGTON

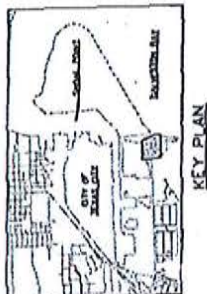
Summary of Jurisdictional Wetlands

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KEY PLAN

APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH WHARFS AND ACCESS CORRIDOR, DREDGE BERTHS AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV. 11/09/01

SHEET 19

GALVESTON COUNTY DISCHARGE CANAL

STRUCTURAL WALL

110+00

105+00

100+00

95+00

EDGE OF PAVED ROWY, TYP

LEGEND

--- JURISDICTIONAL SECTION 404 WETLAND BOUNDARY

--- ESTIMATED TOE OF SLOPE

SWAN LAKE

200'

PROJECT FOOTPRINT AND JURISDICTIONAL WETLANDS

WETLAND BOUNDARIES PROVIDED BY PSES ARE BASED UPON FIELD WORK AND SURVEY PERFORMED DURING MAY-JULY 2001.



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Corpus Christi/Houston



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SEATTLE, WASHINGTON

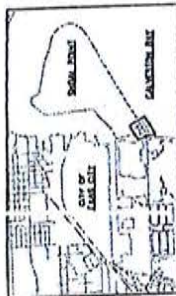
Summary of Jurisdictional Wetlands

A. Section 404 Wetlands

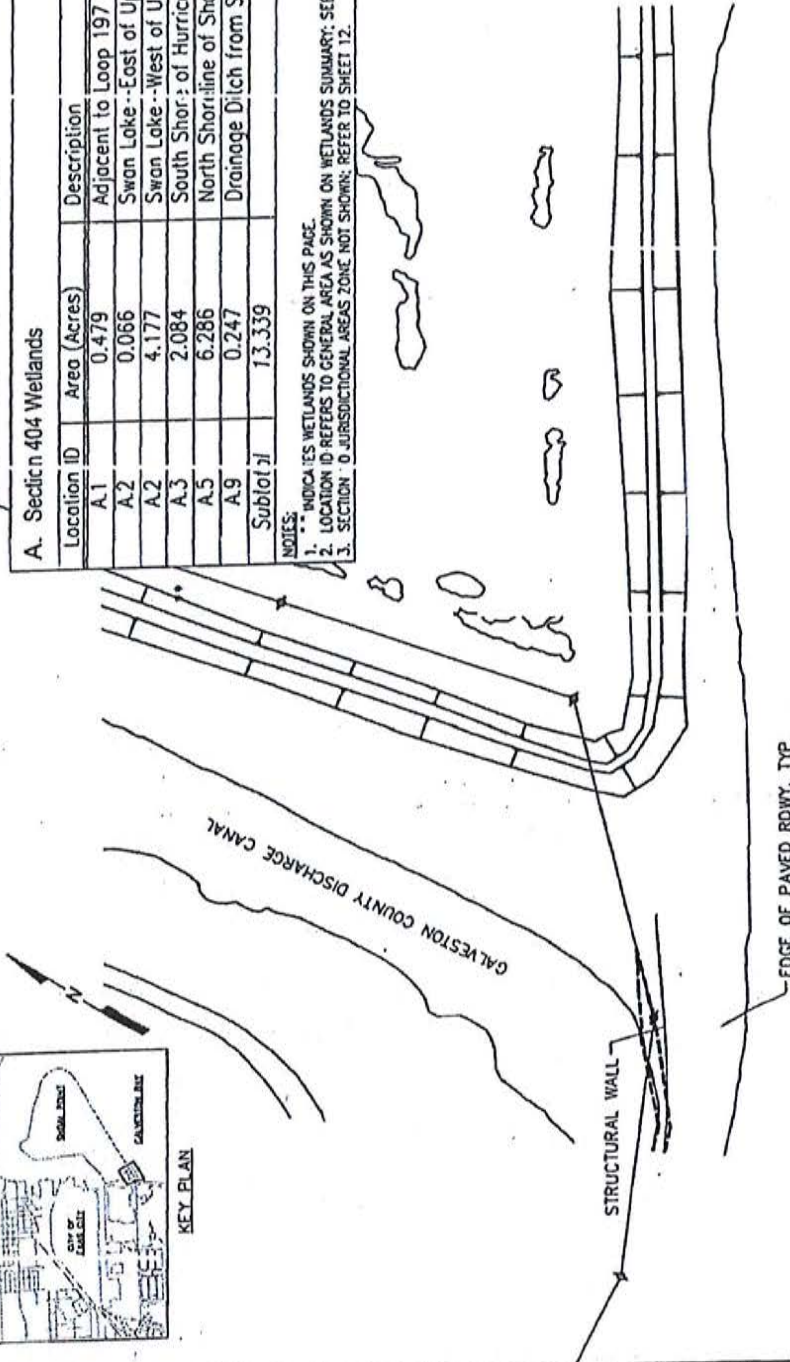
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KEY PLAN



LEGEND

--- JURISDICTIONAL SECTION 404
WETLAND BOUNDARY

--- ESTIMATED TOE OF SLOPE

PROJECT FOOTPRINT AND JURISDICTIONAL WETLANDS

WETLAND BOUNDARIES PROVIDED BY PESI ARE BASED UPON
FIELD WORK AND SURVEY PERFORMED DURING MAY-JULY
2001.

APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH
WHARFS AND ACCESS CORRIDOR, DREDGE BERTHS
AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USCE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV. 11/09/01

SHEET 20



SHINER MOSELEY AND ASSOCIATES, INC.
ENGINEERS & CONSULTANTS
Corpus Christi/Houston



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SEATTLE, WASHINGTON

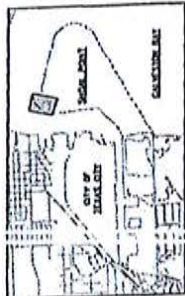
Summary of Jurisdictional Wetlands

A. Section 404 Wetlands

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TEXAS CITY TURNING BASIN

OP

PHASE I

TEXAS CITY CHANNEL

LEGEND

JURISDICTIONAL SECTION 404
WETLAND BOUNDARY

ESTIMATED LIMITS OF
SHOAL POINT
CONTAINER TERMINAL



PROJECT FOOTPRINT AND JURISDICTIONAL WETLANDS

WETLAND BOUNDARIES PROVIDED BY PBSJ ARE BASED UPON
FIELD WORK AND SURVEY PERFORMED DURING JUNE-JULY
2001.

APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH
WHARFS AND ACCESS CORRIDOR, DREDGE BERTHS
AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 6/9/00 REV. 11/09/01

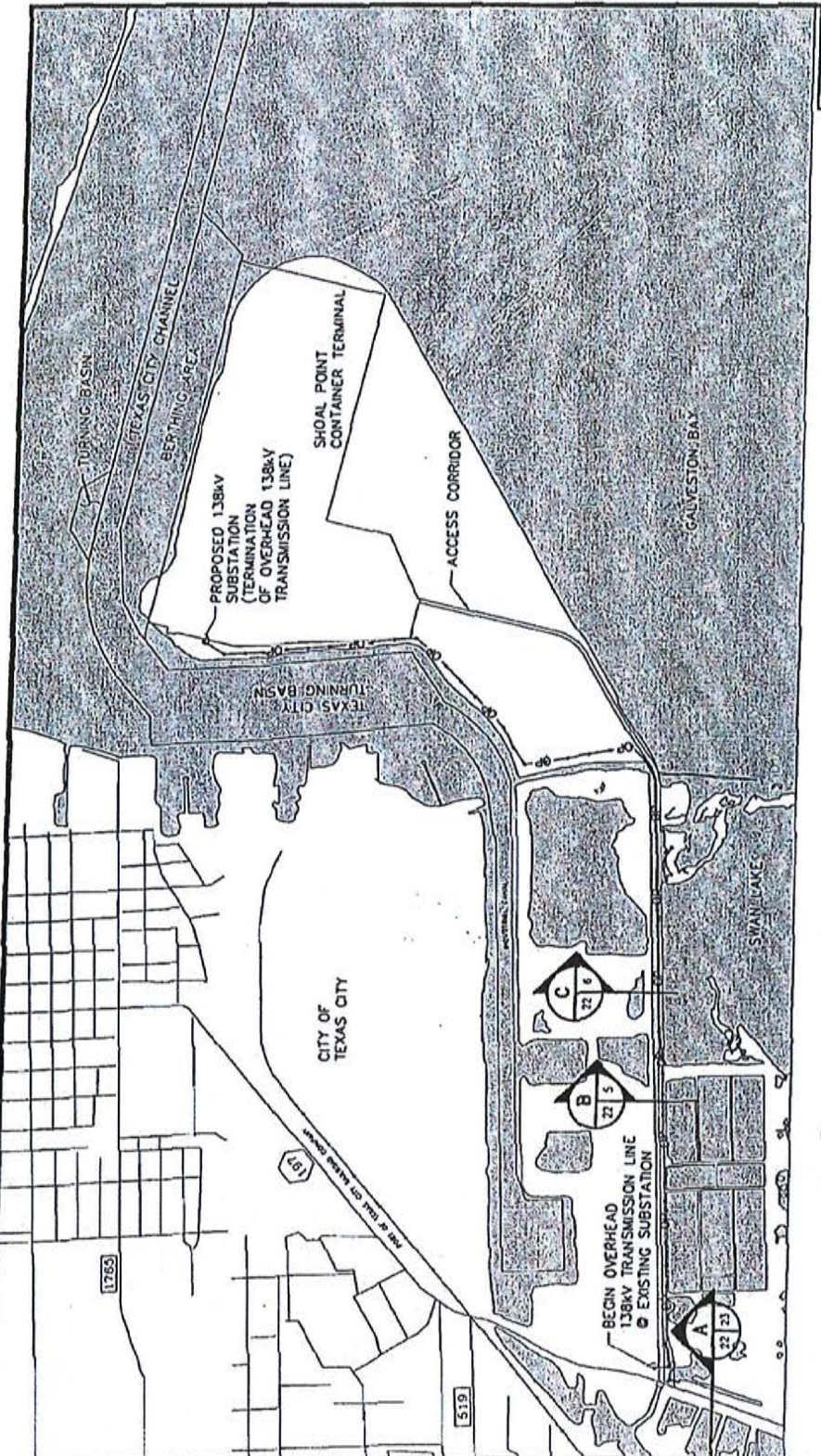
SHEET 21



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ENGINEERS & CONSULTANTS
Corpus Christi/Houston



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SEATTLE, WASHINGTON



138kV OVERHEAD TRANSMISSION LINE LOCATION PLAN

SCALE: N.T.S.



LEGEND
—OP— OVERHEAD 138kV TRANSMISSION LINE

APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH WHARFS AND ACCESS CORRIDOR, DREDGE BERTHS AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 7/12/02 REV.

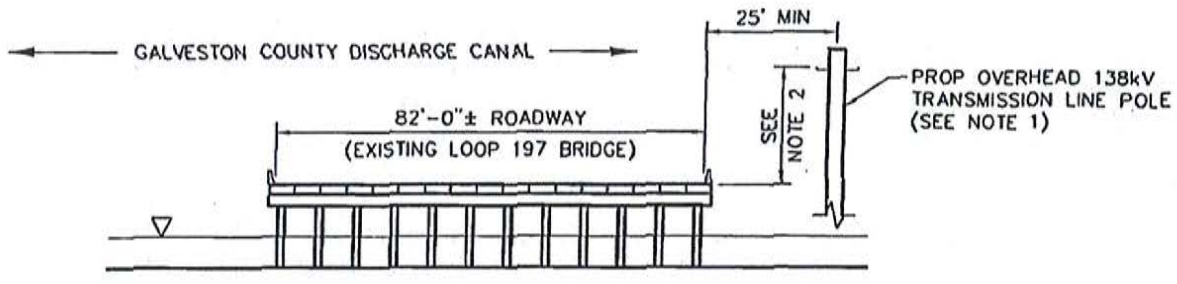
SHEET 22



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ENGINEERS & CONSULTANTS
Corpus Christi/Houston



BERGER/ABAM ENGINEERS
SEATTLE, WASHINGTON



138kV TRANSMISSION LINE CROSSING DISCHARGE CANAL

SCALE: N.T.S.

NOTES

1. PROPOSED TRANSMISSION LINE POLE NOT TO BE CONSTRUCTED WITHIN SHORELINE OF EXISTING GALVESTON COUNTY DISCHARGE CANAL.
2. LOW POINT OF PROPOSED TRANSMISSION LINE TO BE A MINIMUM OF 22- FEET ABOVE SURFACE OF EXISTING LOOP 197 BRIDGE CROSSING THE GALVESTON COUNTY DISCHARGE CANAL.
3. ELEVATIONS SHOWN IN USACE MLT DATUM.

Z:\Projects\90324\90324.dwg 07/12/2002 03:25:31 PM CDT

APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH WHARFS AND ACCESS CORRIDOR, DREDGE BERTHS AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 7/12/02

REV.

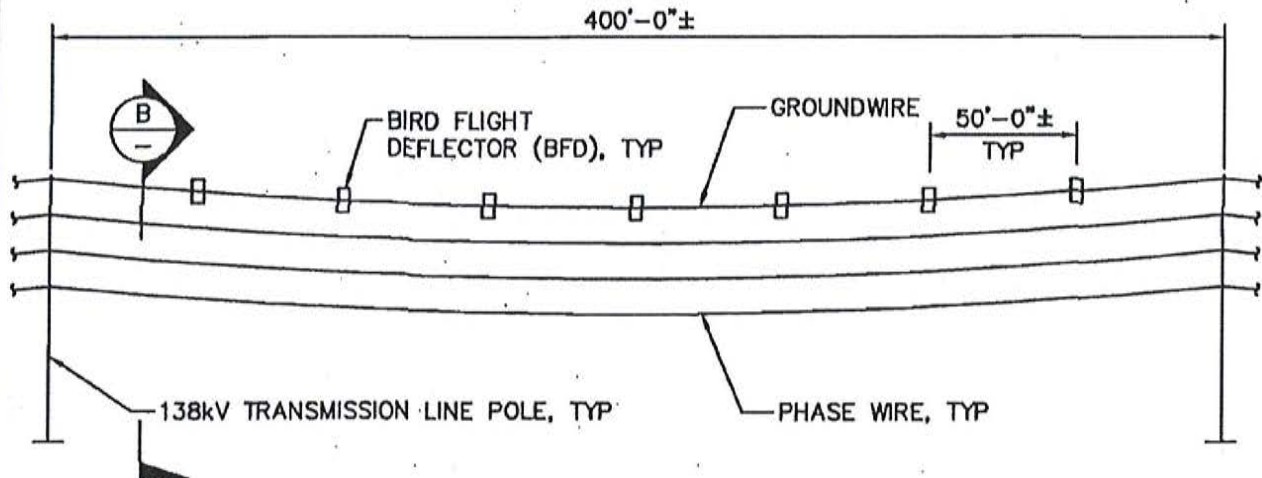
SHEET 23



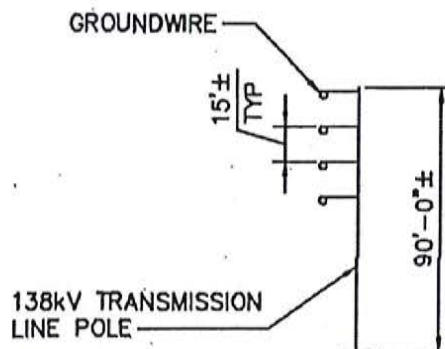
SHINER MOSELEY AND ASSOCIATES, INC.
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Corpus Christi/Houston



BERGER/ADAM ENGINEERS
SEATTLE, WASHINGTON



A 138kV TRANSMISSION LINE ELEVATION
SCALE: N.T.S.



B SECTION
SCALE: N.T.S.

APPLICANT: CITY OF TEXAS CITY
PURPOSE/ACTIVITIES: CONSTRUCT TERMINAL WITH
WHARFS AND ACCESS CORRIDOR, DREDGE BERTHS
AND TURNING BASIN, DEEPEN EXISTING CHANNEL.
DATUM: USACE MLT (MEAN LOW TIDE)

JOB NO.: 90324 DATE: 03/10/03 REV.

SHEET 24



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Corpus Christi/Houston



BERGER/ADAM ENGINEERS
SEATTLE, WASHINGTON

Attachment – A

The following measures have been agreed to between TCEQ and the applicant (City of Texas City) to assist in satisfying State water quality requirements. At the applicant's request, these measures will be an attachment to the permit drawings.

1. The applicant agrees that testing of all maintenance material, associated with the project, will be conducted prior to placement of the dredged material within the BU sites. Representative samples of the source material will be taken and analyzed for all analytes contained in the U.S. Army Corps of Engineers, Galveston District (USACE) most current list of parameters used for sediment and water/elutriate analysis at the respective target detection levels. Sediment test results shall be screened against the most current levels used by the TCEQ to assess sediment quality (85th percentiles) and the National Oceanic and Atmospheric Administration (NOAA) Probable Effects Levels (PELs). Elutriate test results shall be screened against the most current acute aquatic life protection criteria and saltwater fish-only criteria for human health protection contained within the Texas Surface Water Quality Standards (Texas Administrative Code Title 30 Part 1 Chapter 307). The TCEQ Water Quality Assessment Section will be notified within ten business days upon receipt of testing results indicating that one or more of the screening criteria have been exceeded. In coordination with the permittee and/or the USACE, the TCEQ shall determine whether further testing for the analyte(s) in question or other appropriate actions are necessary. No maintenance dredged material will be placed into the BU sites until sample testing results pass screening criteria or, in the case of test results exceeding screening criteria, coordination with the TCEQ is complete. Notification of the TCEQ will not be required when screening criteria are not exceeded by analyte levels found in elutriate and sediment samples.
2. Dredging operations, conducted by the applicant, that result in the placement of dredged material within upland Placement Areas (PA) 5 and 6 will not produce effluent that exceeds a TSS concentration of 300 mg/l prior to the release of the decanted water to Galveston Bay.
3. The applicant will consult directly with members of the TCEQ water quality standards team and apply for a TCEQ Multi-Sector General Permit Number TXR05000 relating to storm water discharges associated with Industrial Activity, Sector Q.