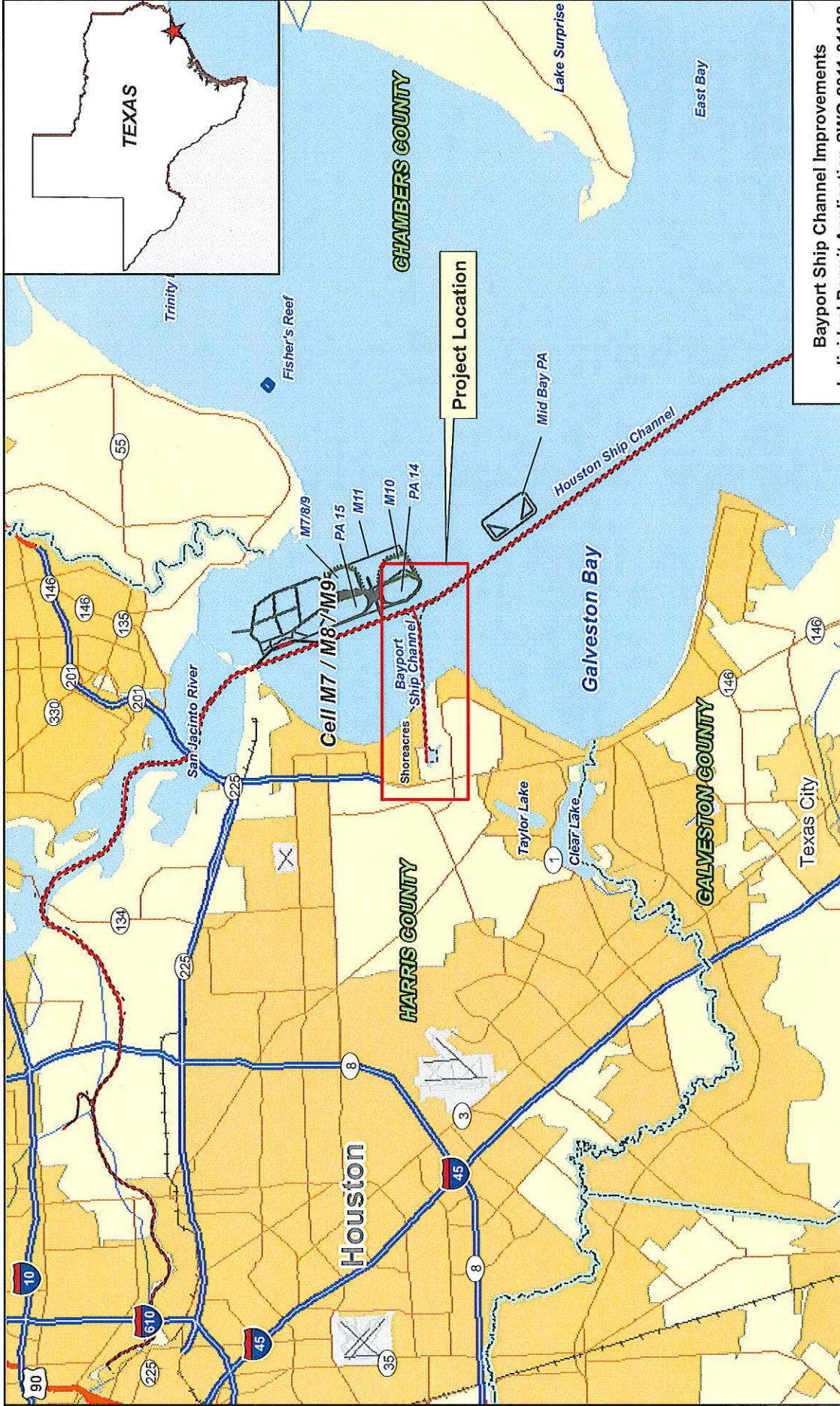


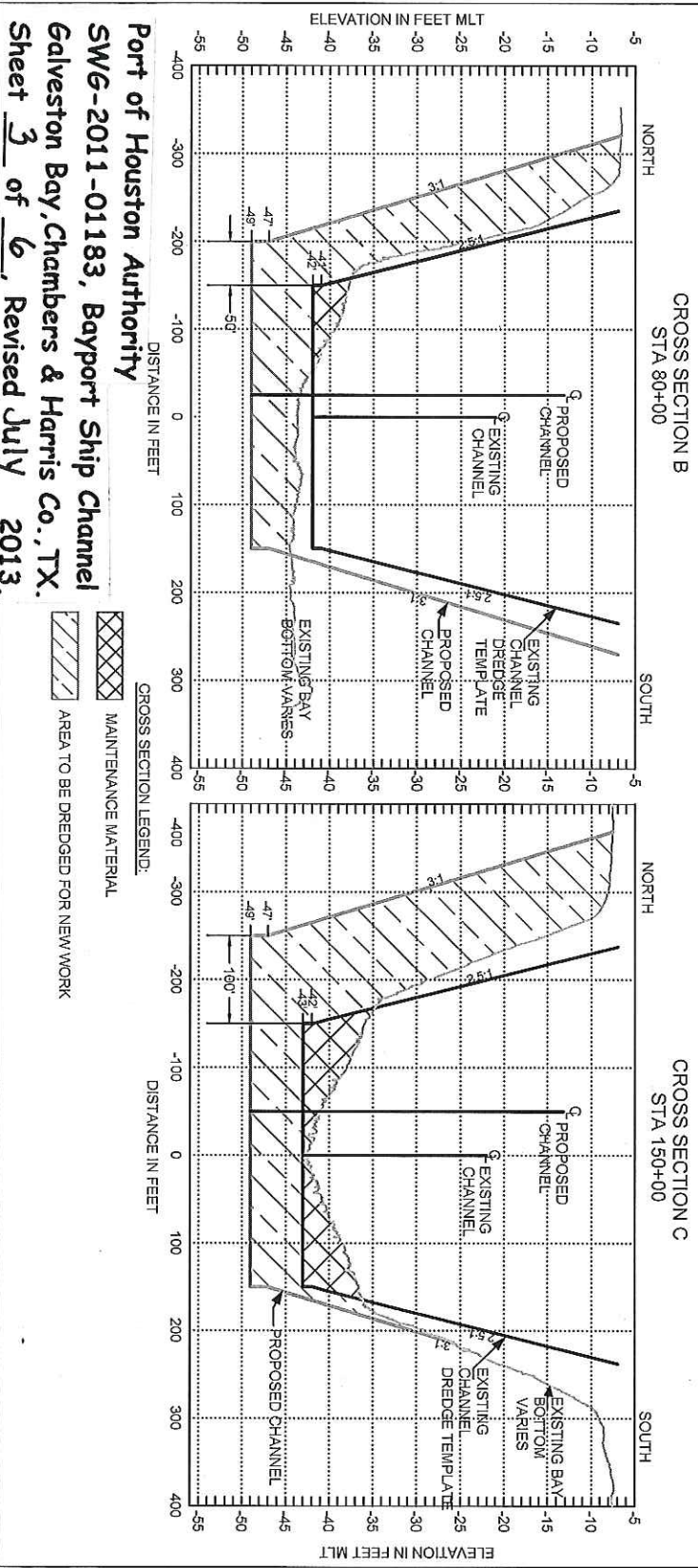
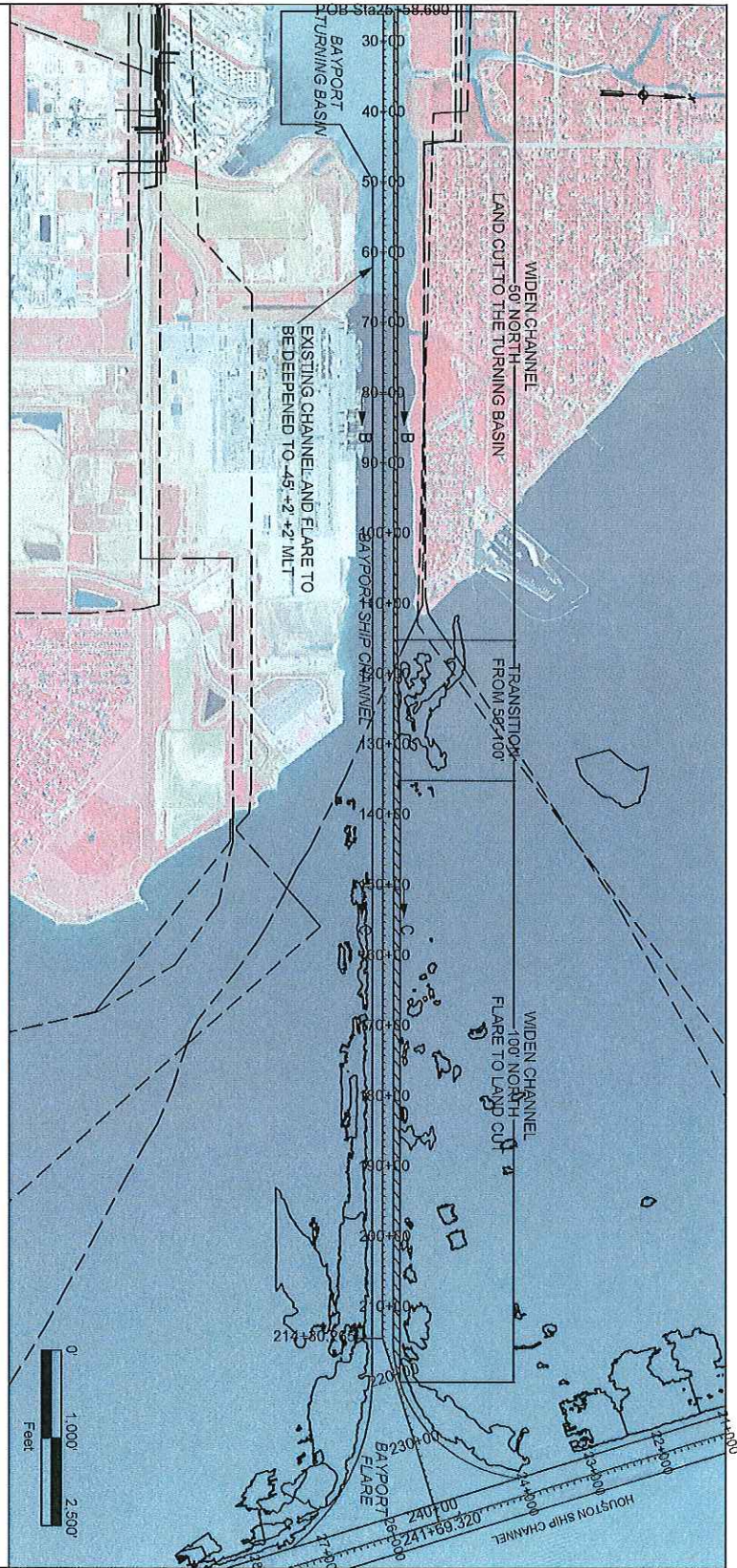
JUL 23 2013



Port of Houston Authority
SWG-2011-01183, Bayport Ship Channel
Galveston Bay, Chambers & Harris Co., TX.
Sheet 1 of 6, Revised July 2013.

Vicinity Map

County: Chambers and Harris State: Texas
 Application By: Port of Houston Authority
 Sheet 1 of 6 Date: July 2013



LEGEND

- OYSTERS
- PREFERRED CHANNEL ALTERNATIVE
- CONTOURS (FT MLT), JAN. 25-31, 2011
- PIPELINES

NOTE:
1. NO OYSTER IMPACTS WOULD BE CAUSED BY THIS DEEPENING.

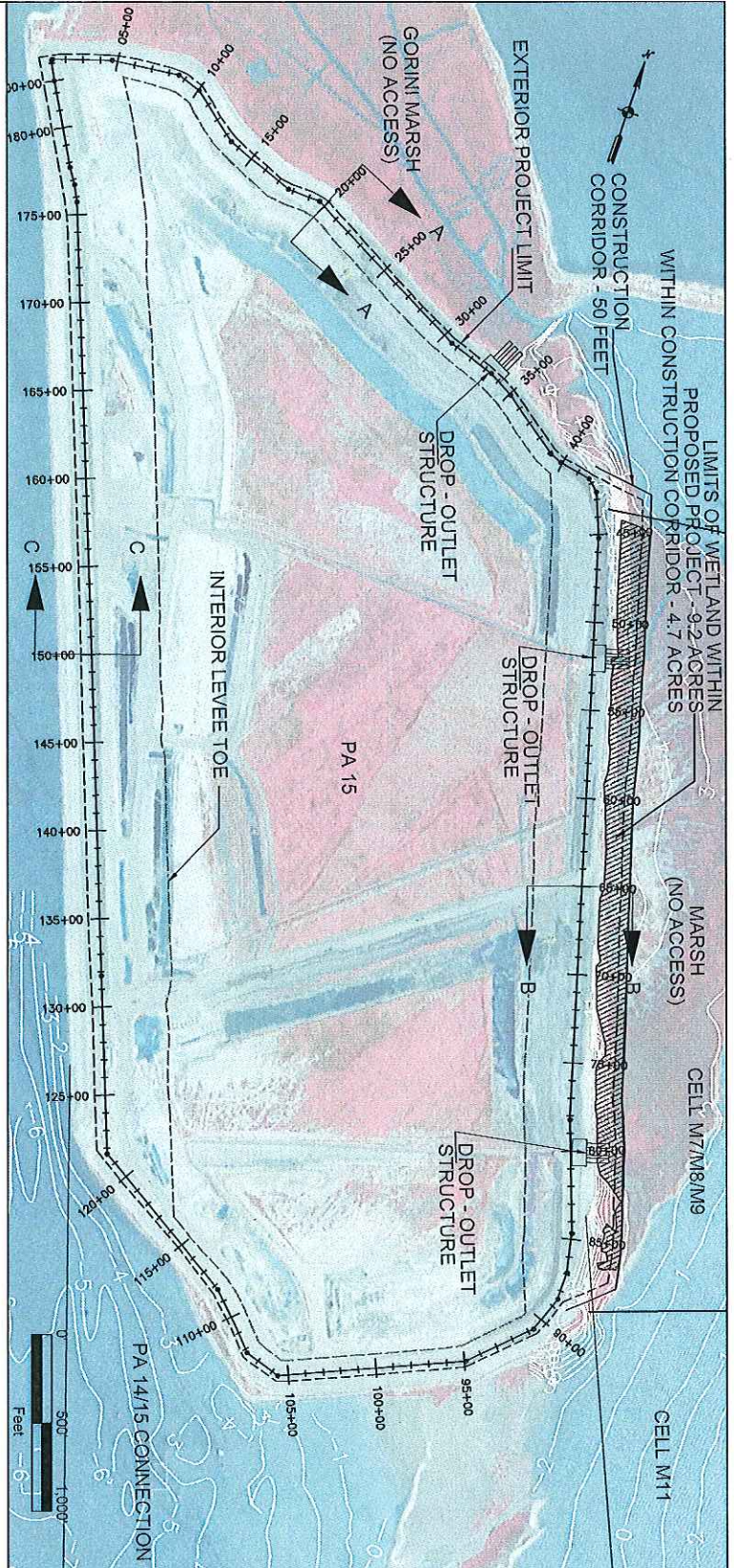
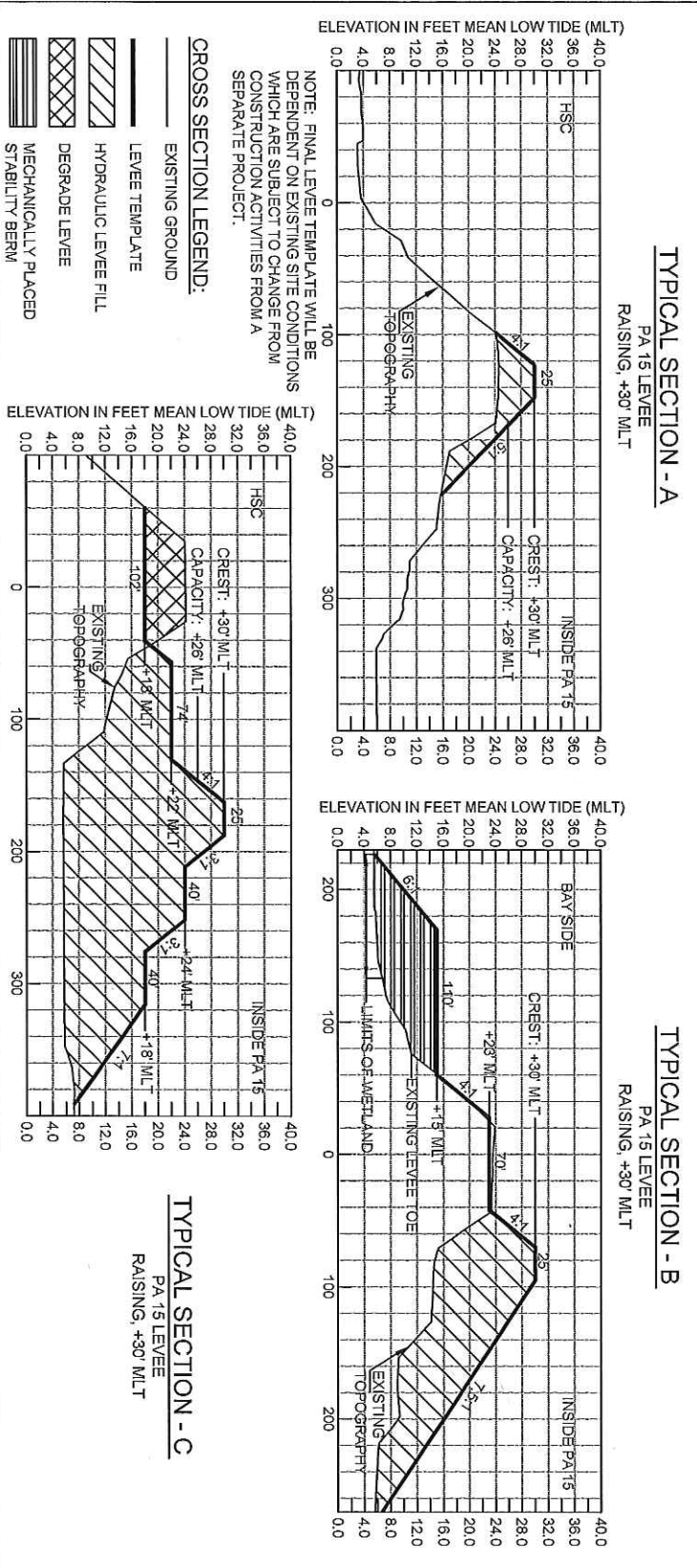
Bayport Ship Channel Improvements
Individual Permit Application SWG-2011-01183

**Preferred Channel Alternative
& Cross Sections - Full Extent**

County: Chambers and Harris
Application By: Port of Houston Authority
Sheet: 3 of 6

State: Texas
Date: July 2013

Port of Houston Authority
SWG-2011-01183, Bayport Ship Channel
Galveston Bay, Chambers & Harris Co., TX.
Sheet 3 of 6, Revised July 2013.



- NOTES:**
- HYDROGRAPHIC SURVEY DATA COLLECTED IN 2009 BY HTI.
 - EXISTING SITE ELEVATION OF PA 15 IS FROM 2012/2013 TOPOGRAPHIC SURVEYS COMPLETED BY HTI AND 2011 LIDAR DATA OBTAINED BY WILSON & COMPANY.
 - SURVEYS ARE REFERENCED TO NAD 83, TEXAS STATE PLANE, SOUTH CENTRAL ZONE 4204.
 - LIDAR SURVEY DATA VERTICALLY PROJECTED TO NAVD 88 AND CONVERTED TO MLT. MLT IS 1.41' BELOW NAVD 88 IN THIS REACH BASED ON USACE PUBLICATIONS AND NOAA TIDAL DATUMS PUBLISHED FOR MORGAN'S POINT, TEXAS.

- LEGEND:**
- LEVEE ALIGNMENT
 - PROPOSED INTERIOR LEVEE TOE
 - PROPOSED EXTERIOR PROJECT LIMITS
 - 50 FOOT CONSTRUCTION CORRIDOR
 - LIMITS OF WETLAND
 - CONTOURS (FT MLT), AUGUST 2009

Bayport Ship Channel Improvements
Individual Permit Application SWG-2011-01183

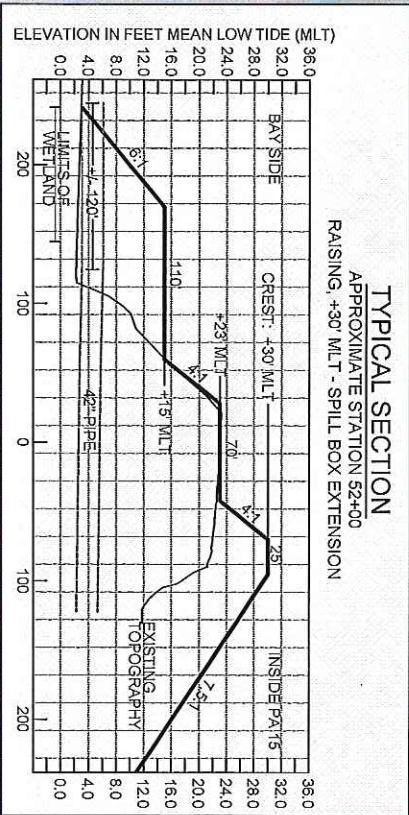
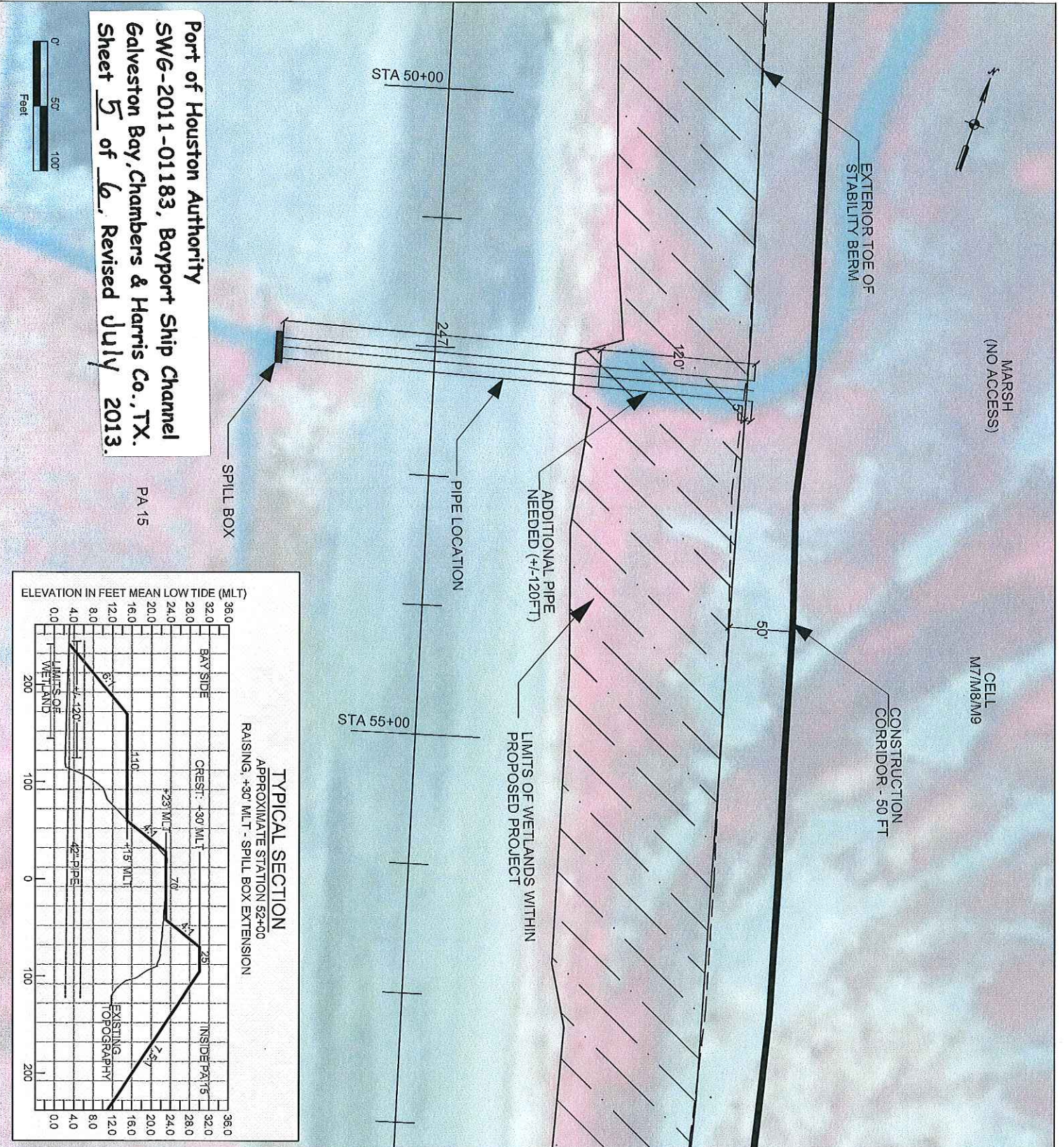
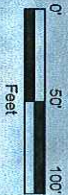
PA 15 Levee Raising Cross-Sections
Port of Houston Authority
SWG-2011-01183, Bayport Ship Channel
Galveston Bay, Chambers & Harris Co., TX.

Sheet 4 of 6, Revised July 2013.

State: Texas
Date: July 2013

Sheet: 4 of 6

Port of Houston Authority
 SWG-2011-01183, Bayport Ship Channel
 Galveston Bay, Chambers & Harris Co., TX.
 Sheet 5 of 6, Revised July 2013.



- NOTES:**
1. EXISTING SITE ELEVATION OF PA 15 IS FROM 2012/2013 TOPOGRAPHIC SURVEYS COMPLETED BY HTI AND 2011 LIDAR DATA OBTAINED BY WILSON & COMPANY.
 2. SURVEYS ARE REFERENCED TO NAD 83, TEXAS STATE PLANE, SOUTH CENTRAL ZONE 4204.
 3. LIDAR SURVEY DATA VERTICALLY PROJECTED TO NAVD 88 AND CONVERTED TO MLT. MLT IS 1.41' BELOW NAVD 88 IN THIS REACH BASED ON USACE PUBLICATIONS AND NOAA TIDAL DATUMS PUBLISHED FOR MORGAN'S POINT, TEXAS.

LEGEND:

	LEVEE ALIGNMENT
	PROPOSED EXTERIOR PROJECT LIMITS
	50 FOOT CONSTRUCTION BUFFER
	LIMITS OF WETLAND

Bayport Ship Channel Improvements
 Individual Permit Application SWG-2011-01183
**PA 15 SPILL BOX EXTENSION
 PLAN VIEW AND CROSS SECTIONS**

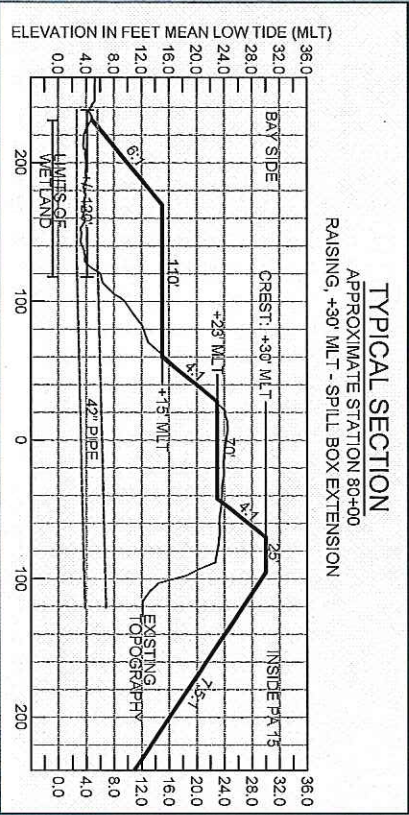
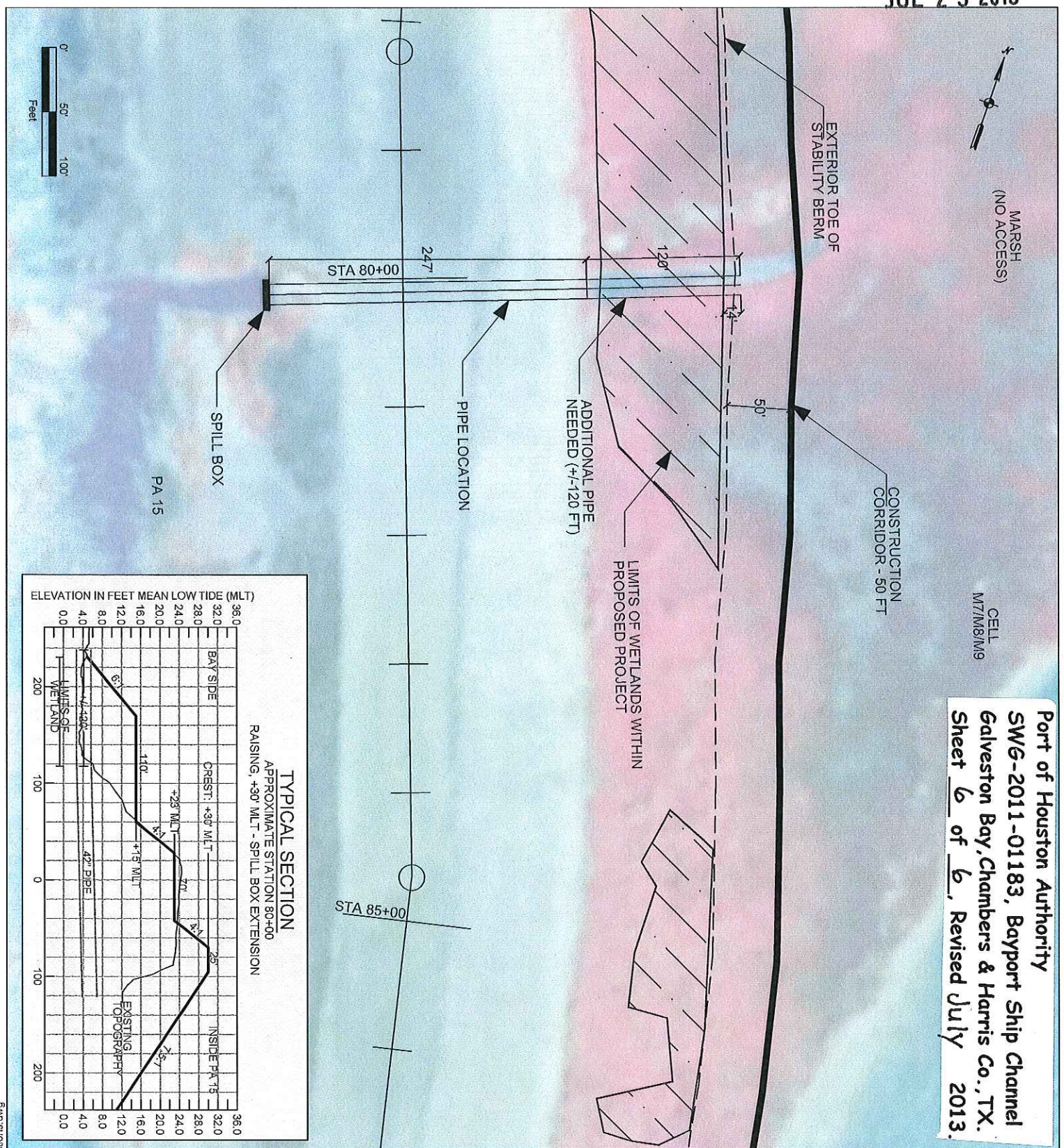
County: Chambers and Harris
 Application By: Port of Houston Authority
 Sheet: 5 of 6
 State: Texas
 Date: July 2013



MARSH
(NO ACCESS)

CELL
M7/M8/M9

Port of Houston Authority
 SWG-2011-01183, Bayport Ship Channel
 Galveston Bay, Chambers & Harris Co., TX.
 Sheet 6 of 6, Revised July 2013.



- NOTES:**
- EXISTING SITE ELEVATION OF PA 15 IS FROM 2012/2013 TOPOGRAPHIC SURVEYS COMPLETED BY HTI AND 2011 LIDAR DATA OBTAINED BY WILSON & COMPANY.
 - SURVEYS ARE REFERENCED TO NAD 83, TEXAS STATE PLANE, SOUTH CENTRAL ZONE 4204.
 - LIDAR SURVEY DATA VERTICALLY PROJECTED TO NAVD 88 AND CONVERTED TO MLT. MLT IS 1.41' BELOW NAVD 88 IN THIS REACH BASED ON USACE PUBLICATIONS AND NOAA TIDAL DATUMS PUBLISHED FOR MORGAN'S POINT, TEXAS.

LEGEND:

	LEVEE ALIGNMENT
	PROPOSED EXTERIOR PROJECT LIMITS
	50 FOOT CONSTRUCTION BUFFER
	LIMITS OF WETLAND

Bayport Ship Channel Improvements
 Individual Permit Application SWG-2011-01183
**PA 15 SPILL BOX EXTENSION
 PLAN VIEW AND CROSS SECTIONS**

County: Chambers and Harris
 Application By: Port of Houston Authority
 Sheet: 6 of 6
 State: Texas
 Date: July 2013