



PUBLISHED CONTROL POINTS			
CONTROL POINT	NORTHING	EASTING	ELEV. (NAVD88)
877 1341J	13,706,863.63	3,320,641.68	3.51'
HGCSD 63	13,693,607.86	3,321,588.04	2.33'
8771328 B	13,704,558.73	3,312,451.66	6.17'
DIKE 2	13,704,367.72	3,301,284.90	6.68'
DOLLAR PT 3	13,728,051.27	3,275,129.11	21.20'
8771013 A	13,744,960.72	3,266,697.46	4.33'
HGCSD 55	13,753,303.29	3,254,993.22	12.62'
SHELL BEACH	13,794,271.83	3,238,239.66	9.69'
C12771978	13,846,422.51	3,212,547.72	3.35'
8770777C	13,830,815.26	3,152,837.53	29.27'
PHA3 (5/8" REBAR WITH CAP SET 3" BELOW GRADE)	13,815,119.8	3,239,346.32	19.42'

DATUM CORRELATION TABLE:	NAVD88	MLW
MEAN HIGHER HIGH WATER (MHHW)	+1.21'	+1.31'
MEAN HIGH WATER (MHW)	+1.13'	+1.23'
MEAN SEA LEVEL (MSL)	+0.61'	+0.71'
MEAN TIDE LEVEL (MTL)	+0.57'	+0.67'
MEAN LOW WATER (MLW)	+0.01'	+0.11'
MEAN LOWER LOW WATER (MLLW)	-0.10'	+0.00'

WATER SURFACE RANGE BETWEEN MLLW AND MHHW REPRESENTS A NORMAL STATISTICAL WATER SURFACE RANGE. THE WATER SURFACE WILL ON OCCASION BE HIGHER OR LOWER THAN THIS RANGE.

The seal of the Port of Houston Authority (PHA) is a circular emblem. It features a five-pointed star in the center, with the letters 'PHA' superimposed on it. The words 'PORT OF HOUSTON AUTHORITY' are written in a circular path around the top, and 'HOUSTON, TEXAS' is written around the bottom. The entire seal is enclosed within a decorative rope-like border.

PORT OF HOUSTON AUTHORITY

CONSULTANT:

DESIGN PREPARED BY:

HDR

HDR Engineering, INC
TBPELS Firm
Registration No. F-754

SEAL:

This Document Is Released For
The Purpose Of Interim Review
Under The Authority Of DAVID
R. BROYLES, P.E., 117271
12/08/20. It Is Not To Be Used
For Construction, Bidding, Or
Permit Purposes.

95% REVIEW

APPROVED: _____
DATE _____

PORT CONTRACT REPRESENTATIVE
MANAGING DIRECTOR – ENGINEERING
DESIGN & SUPPORT

PROJECT TITLE:
**HOUSTON SHIP
CHANNEL (HSC)
EXPANSION
CHANNEL
IMPROVEMENT
PROJECT (ECIP)**

**PROJECT 11
PACKAGE #7
SEGMENT 3**

SURVEY CONTROL PLAN

[illegible]

DESIGNER:	D. BROYLES
CADD:	J. THORPE
CHECKER:	S. McCOY
DATE:	12/08/2020
SCALE:	1"=10,000'

DRAWING NO.	
C90-D13-P11-007	
SHEET NO.	REV. NO.
V-001	A

95% REVIEW

TIME: 12-08-20 -- 11:01am User: OSALAS DWG: C:\pwworking\central01\1950144\C90-D13-P11-007-B-001.dwg



A BORING LOCATIONS SITE PLAN
SCALE: 1"=400'



GENERAL NOTES

1. REFER TO CONTRACT DOCUMENTS FOR SOIL BORING LOG INFORMATION.



**PORT OF HOUSTON
AUTHORITY**

CONSULTANT:



SEAL:

95% REVIEW

APPROVED:

DATE

PORT CONTRACT REPRESENTATIVE
MANAGING DIRECTOR — ENGINEERING
DESIGN & SUPPORT

PROJECT TITLE:

**HOUSTON SHIP
CHANNEL (HSC)
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CHANNEL
IMPROVEMENT
PROJECT (ECIP)**

**PROJECT 11
PACKAGE #7
SEGMENT 3**

SHEET TITLE:

**BORING
LOCATIONS SITE
PLAN (1 OF 2)**

REV DATE DESCRIPTION

A	08/14/20	65% SUBMITTAL
B	12/08/20	95% SUBMITTAL

DESIGNER: D. BROYLES

CADD: J. THORPE

CHECKER: S. McCOY

DATE: 12/08/2020

SCALE: 1"=400'

DRAWING NO.

C90-D13-P11-007

SHEET NO.

B-001

REV. NO.

A

95% REVIEW

TIME: 12-08-20 -- 11:01am User: OSALAS DWG: C:\pwworking\central01\1950144\C90-D13-P11-007-B-002.dwg



GENERAL NOTES

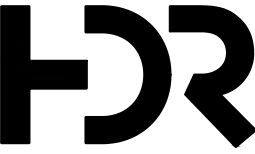
1. REFER TO CONTRACT DOCUMENTS FOR SOIL BORING LOG INFORMATION.



**PORT OF HOUSTON
AUTHORITY**

CONSULTANT:

DESIGN PREPARED BY:



SEAL:

95% REVIEW

APPROVED:

DATE

PORT CONTRACT REPRESENTATIVE
MANAGING DIRECTOR — ENGINEERING
DESIGN & SUPPORT

PROJECT TITLE:

**HOUSTON SHIP
CHANNEL (HSC)
EXPANSION
CHANNEL
IMPROVEMENT
PROJECT (ECIP)**

**PROJECT 11
PACKAGE #7
SEGMENT 3**

SHEET TITLE:

**BORING
LOCATIONS SITE
PLAN (2 OF 2)**

REV	DATE	DESCRIPTION
A	08/14/20	65% SUBMITTAL
B	12/08/20	95% SUBMITTAL

DESIGNER:	D. BROYLES
CADD:	J. THORPE
CHECKER:	S. McCOY
DATE:	12/08/2020
SCALE:	1"=400'

DRAWING NO.

C90-D13-P11-007

SHEET NO.

B-002

REV. NO.

A

95% REVIEW

A

BORING LOCATIONS SITE PLAN

SCALE: 1"=400'



TIME: 12-08-20 -- 11:01am User: OSALAS DWG: C:\pwworking\central01\1950144\C90-D13-P11-007-C-001.dwg



A

OVERALL PROJECT SITE KEY PLAN

SCALE: 1" = 1000'



GENERAL NOTES

1. REFER TO GENERAL NOTES ON SHEET G-004.



PORT OF HOUSTON
AUTHORITY

CONSULTANT:



SEAL:

95% REVIEW

APPROVED:

DATE

PORT CONTRACT REPRESENTATIVE
MANAGING DIRECTOR -- ENGINEERING
DESIGN & SUPPORT

PROJECT TITLE:

HOUSTON SHIP
CHANNEL (HSC)
EXPANSION
CHANNEL
IMPROVEMENT
PROJECT (ECIP)

PROJECT 11
PACKAGE #7
SEGMENT 3

SHEET TITLE:

OVERALL
PROJECT SITE
KEY PLAN

REV	DATE	DESCRIPTION
A	08/14/20	65% SUBMITTAL
B	12/08/20	95% SUBMITTAL

DESIGNER:	D. BROYLES
CADD:	J. THORPE
CHECKER:	S. McCOY
DATE:	12/08/2020
SCALE:	1" = 1000'

DRAWING NO.
C90-D13-P11-007

SHEET NO.	REV. NO.
C-001	A

95% REVIEW