

LOG OF BORING AND TEST RESULTS

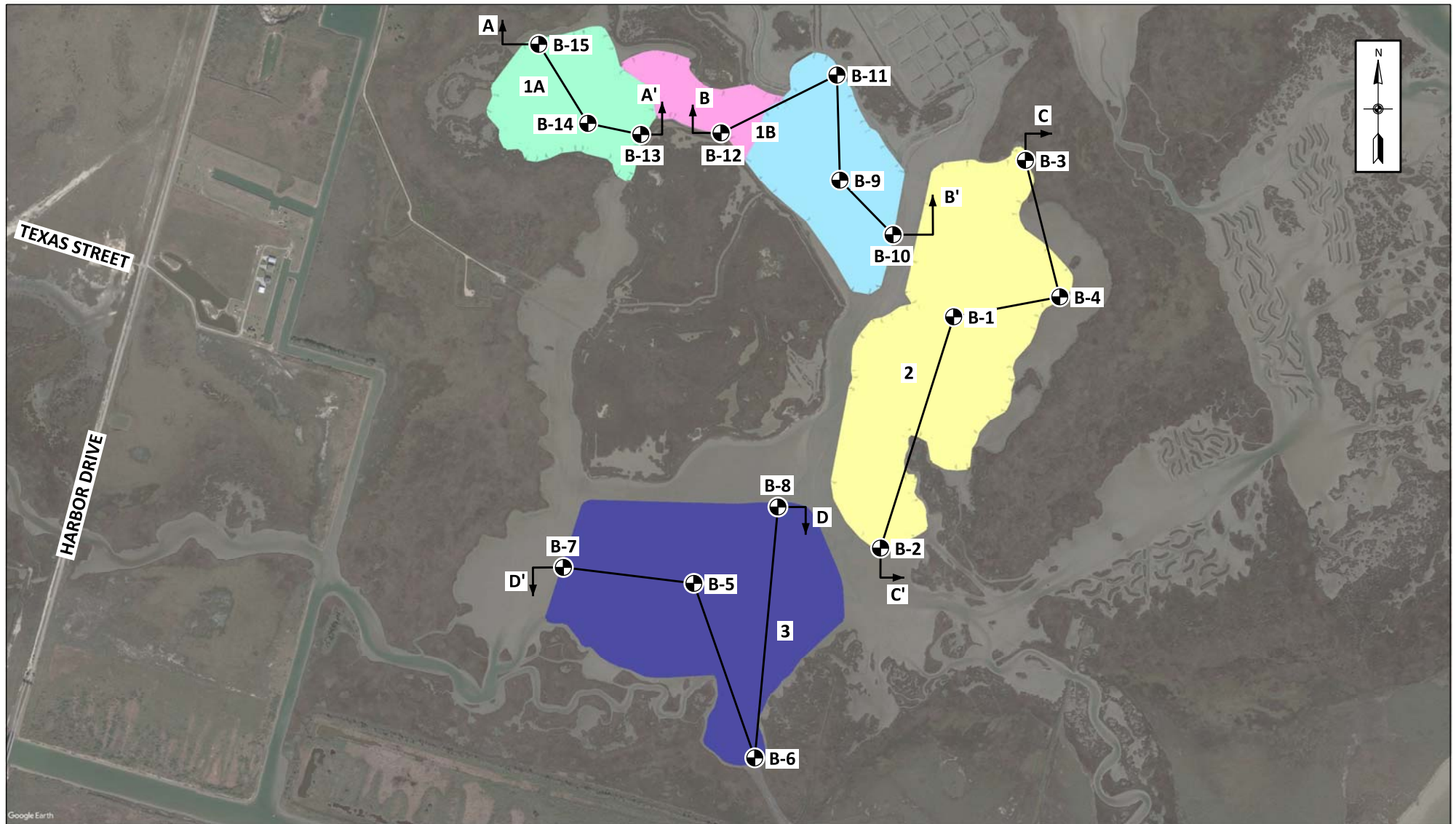
Boring: B-3

Project No: H0048
Date: 07/16/2022
Latitude: 29.31822°
Longitude: -94.95842°

Water Depth: See Text
Total Depth: 40.0 ft

Scale in Feet	PP	SPT	SPLR	Symbol	Visual Classification	USC	Sample Number	Depth in Feet	Water Content %	Density		Shear Tests			Atterberg Limits			Other Tests
										Dry pcf	Wet pcf	Type	φ	C psf	LL	PL	PI	
0	0.50				Moist, soft to medium stiff gray & tan FAT CLAY	CH	1A	0	41									
							1B	1	45									
	0.50				w/trace of fine sand pockets		2A	2	56									
							2B	3	55									
5	0.50						3A	4	53									
							3B	5	48	73	108	OB	0	287	100	25	75	
	1.00				w/few fine sand pockets		4A	6	51									
							4B	7	49									
	1.00						5A	8	47									
10	1.00						5B	9	45	75	109	OB	0	495				
							6A	10	33									
	1.00						6B	11	34									
	2.00				Moist, stiff reddish-tan & gray FAT CLAY	CH	7A	12	34									
					w/trace of fine sand pockets		7B	13	33									
15	2.00						8A	14	32									
							8B	15	31	89	117	OB	0	775				
	2.00						9A	16	39									
							9B	17	30						34	18	16	
20	1.00				Moist, stiff reddish-tan & reddish-brown LEAN CLAY w/few fine sand pockets	CL	10A	18	34									
							10B	19	25	98	122	OB	0	1013				
	1.00						11A	23	22									
25							11B	24	22									
					Moist, stiff tan & gray FAT CLAY w/few fine sand pockets	CH												
	1.00						12A	28	25									
30							12B	29	24	100	124							
					Moist, stiff tan LEAN CLAY	CL												
	1.00						13A	33	28									
35							13B	34	25						42	19	23	
					Moist, medium stiff gray & tan fine SANDY LEAN CLAY	CL												
	1.00						14A	38	29									
40							14B	39	30	90	116							
45																		
50																		

NOTES: Boring 3 was drilled in 1 in. of water.



SATELLITE IMAGERY DATED: JANUARY 2022

NOT TO SCALE

⊙ DENOTES APPROXIMATE LOCATIONS OF SOIL BORINGS DRILLED BETWEEN 11 AND 18 JULY 2022

BORING LOCATION PLAN

PHASE 1
DUCKS UNLIMITED, INC.
PIERCE MARSH BENEFICIAL USE MARSH CREATION
NORTH OF WEST BAY NEAR GALVESTON ISLAND
GALVESTON COUNTY, TEXAS
DU CONTRACT NO. TX-0-2
DU PROJECT NO. TX-194-4
DU TASK ORDER NO. 1



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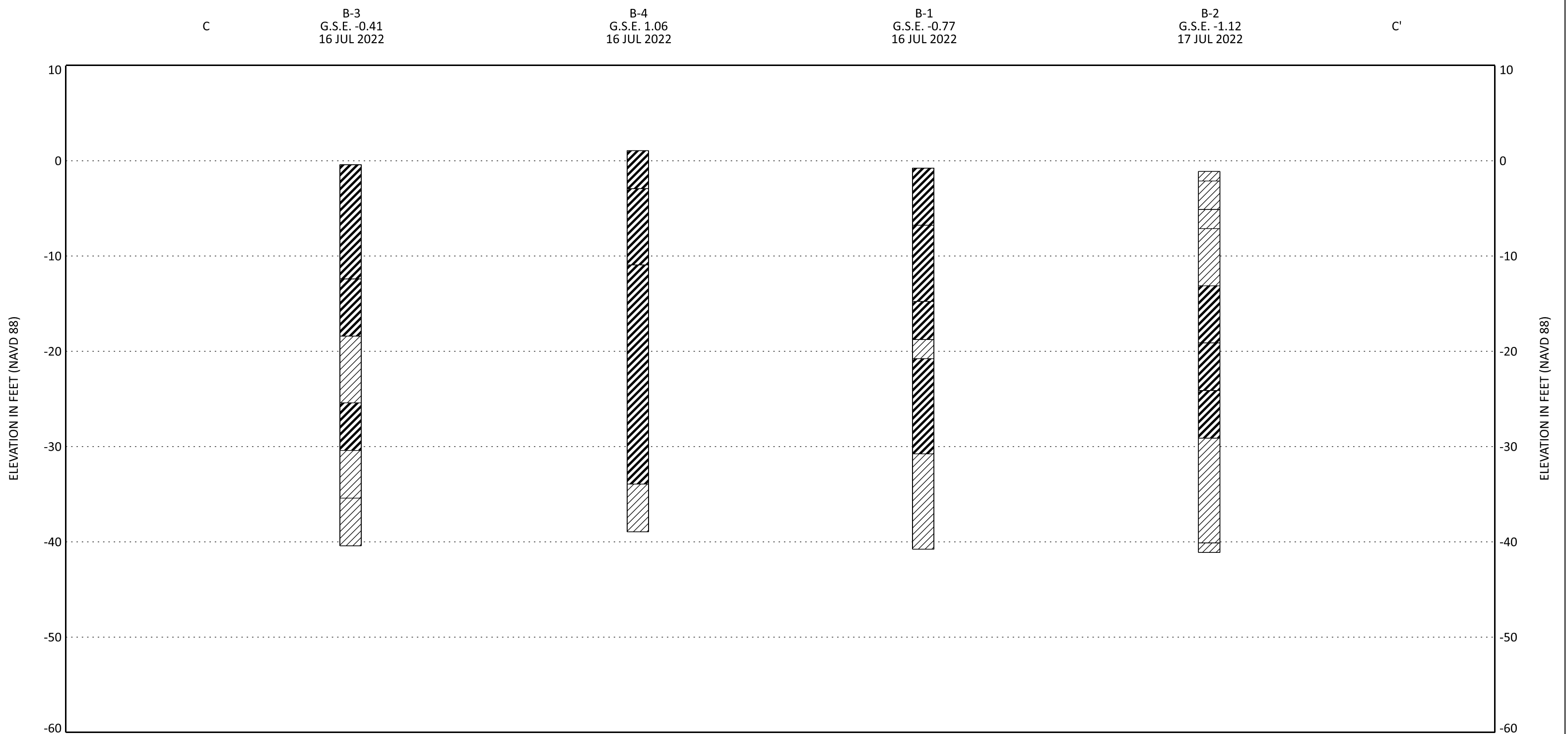
JOB NO.: H0048

CHECKED BY: H.C.W.

DATE: 15 AUG 2022

CADD FILE:
LOCATION PLAN.DGN

FIGURE 2



BORING MATERIAL GRAPHICS



NOTE:

1. G.S.E. = GROUND SURFACE ELEVATION

SUBSURFACE SOIL PROFILE
MCA-2
PHASE 1
DUCKS UNLIMITED, INC.
PIERCE MARSH BENEFICIAL USE MARSH CREATION
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



CHECKED BY: H.C.W.
CADD FILE: PROFILE.DGN

FIGURE 3
(SHEET 3 OF 4)

PP Pocket penetrometer: Resistance in tons per square foot

SPT Standard Penetration Test: Number of blows of a 140-lb hammer dropped 30 inches required to drive 2-in. O.D., 1.4-in. I.D. sampler a distance of 1 foot into the soil after first seating it 6 inches. Values shown have not been corrected.

SPLR Type of Sampling  Shelby  SPT  Auger  Vibracore  Geoprobe  No sample

SYMBOL Clay  Silt  Sand  Peat/Humus  Shells  Stone/Gravel 
Predominant type shown heavy; modifying type shown light

USC Unified Soil Classification

DENSITY Unit weight in pounds per cubic foot

SHEAR TESTS

TYPE

UC Unconfined compression shear

OB Unconsolidated undrained triaxial compression shear on one specimen confined at the approximate overburden pressure

UU Unconsolidated undrained triaxial compression shear

ϕ Angle of internal friction in degrees

c Cohesion in pounds per square foot

ATTERBERG LIMITS

LL Liquid Limit

PL Plastic Limit

PI Plasticity Index

OTHER TESTS

CON Consolidation

-#200 Percent passing a U.S. No. 200 sieve

SV Particle size distribution (sieve only)

PD Particle size distribution (sieve and hydrometer)

k Coefficient of permeability in centimeters per second

SP Swelling pressure in pounds per square foot

Other laboratory test results reported on separate figures

GENERAL NOTES

- (1) If a ground water depth is shown on the boring log, these observations were made at the time of drilling and were measured below the existing ground surface. These observations are shown on the boring logs. However, ground water levels may vary due to seasonal fluctuations and other factors. If important to construction, the depth to ground water should be determined by those persons responsible for construction immediately prior to beginning work.
- (2) While the individual logs of borings are considered to be representative of subsurface conditions at their respective locations on the dates shown, it is not warranted that they are representative of subsurface conditions at other locations and times.