

NOTE: FOR PERMITTING PURPOSES ONLY. NOT RELEASED FOR CONSTRUCTION.



**ENVIRONMENTAL CONSULTANTS**

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PROJECT NAME: PNS PCB SNORKEL & PADDLE

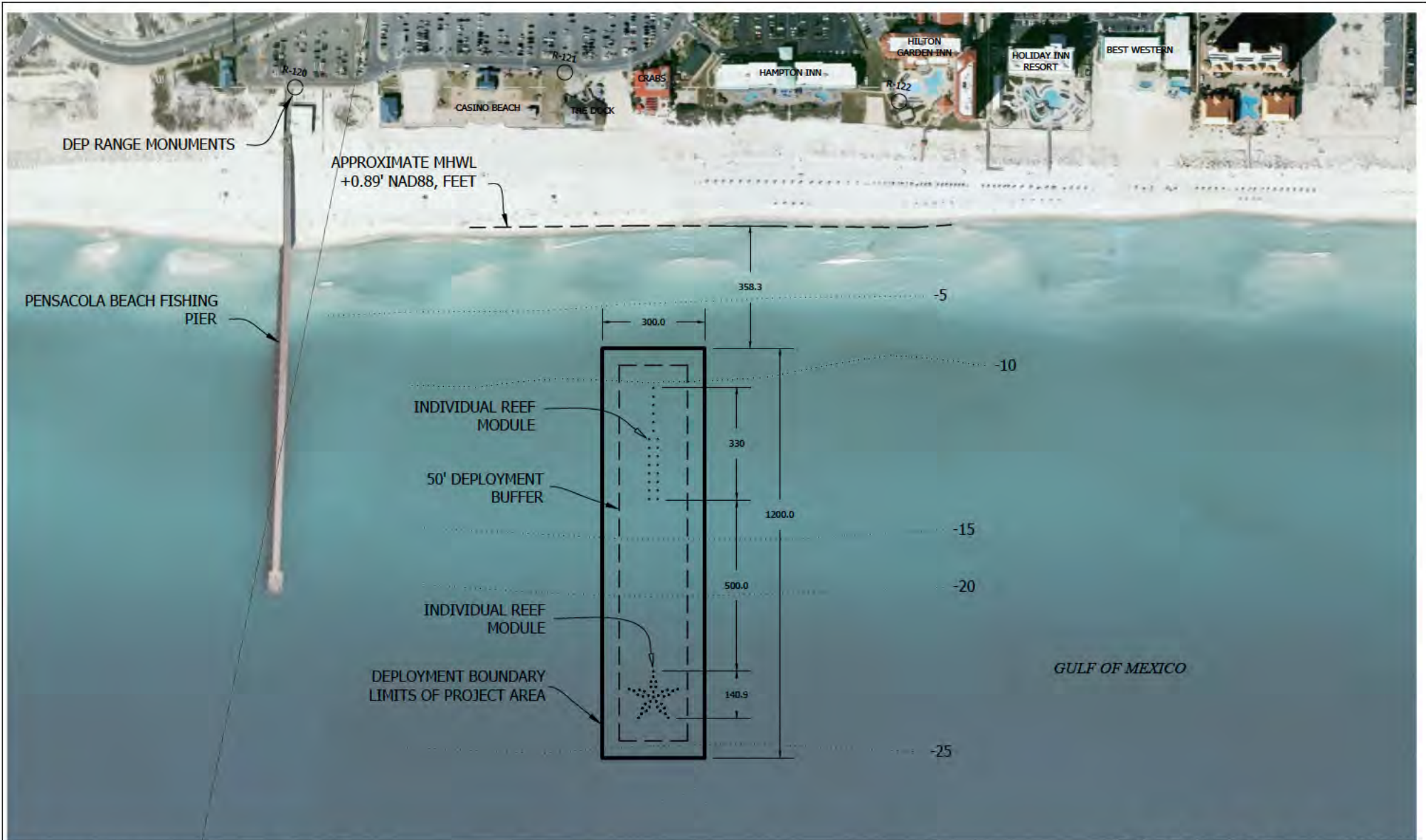
CRAFT FISHING REEF - SITE LOCATION

PROJECT NO.: 2007-103

DRAWN BY: KDJ DATE: 06/23/16

SHEET: 1 OF 6





**GEOGRAPHIC COORDINATES (NAD83) FOR EACH OF THE FOUR CARDINAL CORNERS OF THE PROPOSED REEF SITES**

NORTHEAST CORNER	30° 24 22605' N	87° 10 74545' W
NORTHWEST CORNER	30° 24 21398' N	87° 10 80082' W
SOUTHEAST CORNER	30° 24 03405' N	87° 10 68977' W
SOUTHWEST CORNER	30° 24 02198' N	87° 10 74514' W

**NOTES:**

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 HORIZONTAL DATUM: 1983-NAD83(86) DATUM FLORIDA NORTH ZONE  
 VERTICAL DATUM: NAVD 88, FEET

SOURCE DATA: LABINS 2013 HIGH RESOLUTION COLOR AERIAL PHOTOGRAPH, GRID CELL 50823



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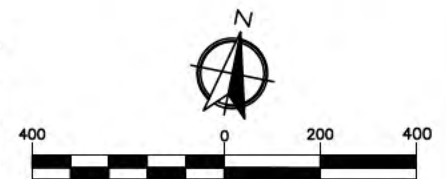
CRAFT FISHING REEF – REEF PLAN FIGURE

PROJECT NO.: 2007-103

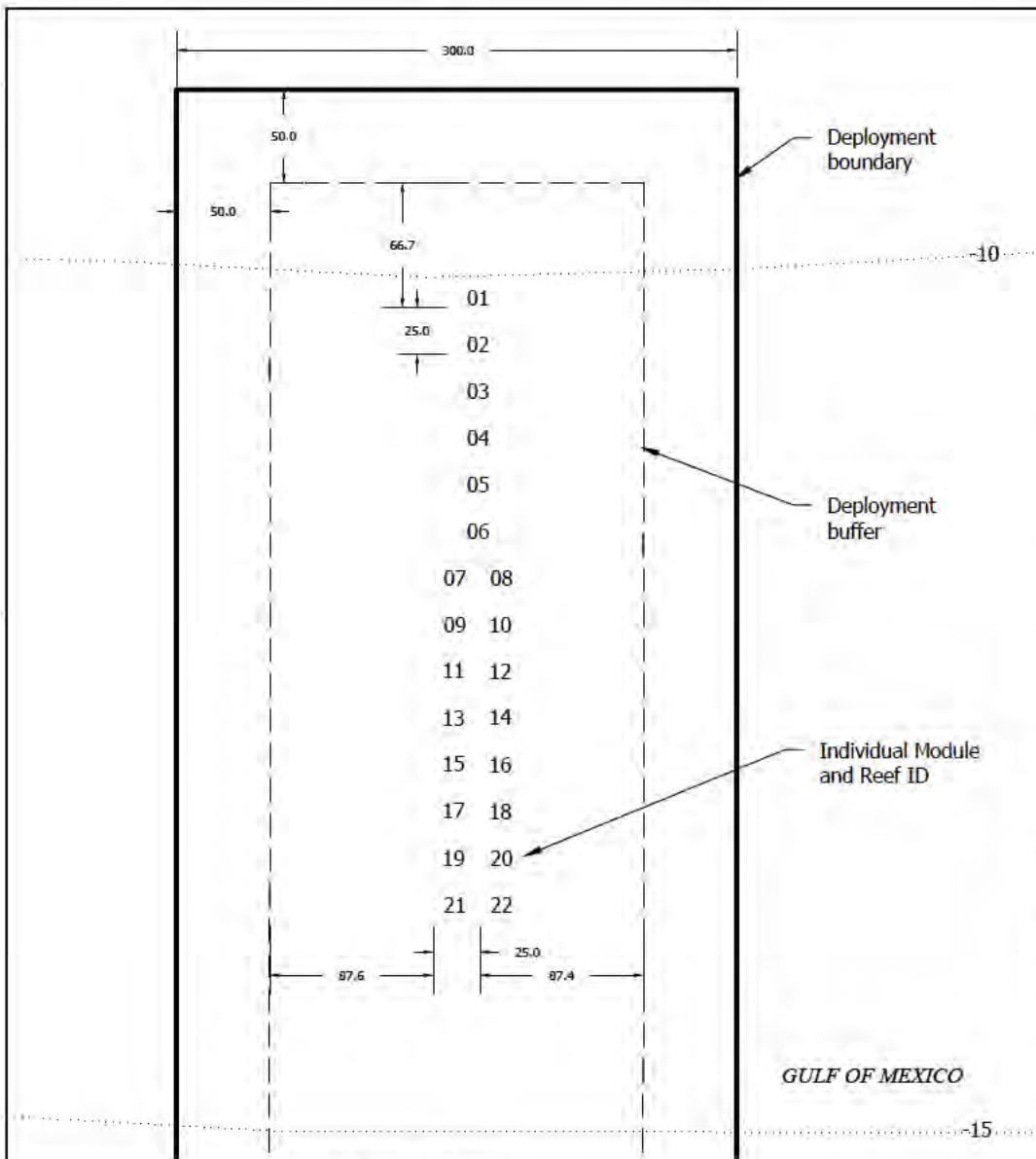
DRAWN BY: JAT

DATE: 06/23/16

SHEET: 2 OF 6



SCALE: 1" = 400 Feet



Reef ID	State Plane		Degrees		Degrees Minutes	
	Northing/X	Easting/Y	Latitude	Longitude	Latitude	Longitude
1	1123867.13	520289.53	30.4033557°	087.1794620°	30°24.20134'	087°10.76772'
2	1123872.66	520265.15	30.4032890°	087.1794426°	30°24.19734'	087°10.76656'
3	1123878.19	520240.77	30.4032224°	087.1794233°	30°24.19334'	087°10.76540'
4	1123883.71	520216.39	30.4031557°	087.1794040°	30°24.18934'	087°10.76424'
5	1123889.24	520192.00	30.4030890°	087.1793846°	30°24.18534'	087°10.76308'
6	1123894.77	520167.62	30.4030224°	087.1793653°	30°24.18134'	087°10.76192'
7	1123888.10	520140.48	30.4029473°	087.1793844°	30°24.17684'	087°10.76306'
8	1123912.49	520146.01	30.4029641°	087.1793075°	30°24.17785'	087°10.75845'
9	1123893.63	520116.10	30.4028807°	087.1793650°	30°24.17284'	087°10.76190'
10	1123918.01	520121.62	30.4028974°	087.1792881°	30°24.17385'	087°10.75729'
11	1123899.16	520091.72	30.4028140°	087.1793457°	30°24.16884'	087°10.76074'
12	1123923.54	520097.24	30.4028308°	087.1792688°	30°24.16985'	087°10.75613'
13	1123904.69	520067.33	30.4027473°	087.1793263°	30°24.16484'	087°10.75958'
14	1123929.07	520072.86	30.4027641°	087.1792494°	30°24.16585'	087°10.75497'
15	1123910.21	520042.95	30.4026807°	087.1793070°	30°24.16084'	087°10.75842'
16	1123934.60	520048.48	30.4026974°	087.1792301°	30°24.16185'	087°10.75380'
17	1123915.74	520018.57	30.4026140°	087.1792877°	30°24.15684'	087°10.75726'
18	1123940.12	520024.10	30.4026308°	087.1792108°	30°24.15785'	087°10.75265'
19	1123921.27	519994.19	30.4025474°	087.1792683°	30°24.15284'	087°10.75610'
20	1123945.65	519999.72	30.4025641°	087.1791914°	30°24.15385'	087°10.75148'
21	1123926.80	519969.81	30.4024807°	087.1792489°	30°24.14884'	087°10.75494'
22	1123951.18	519975.34	30.4024975°	087.1791720°	30°24.14985'	087°10.75032'

Reef Deployment Boundary	State Plane		Degrees		Degrees Minutes	
	Northing/X	Easting/Y	Latitude	Longitude	Latitude	Longitude
Northwest Corner	1123695.04	520370.18	30.4035663°	087.1800137°	30°24.21398'	087°10.80082'
Northeast Corner	1123987.63	520436.46	30.4037673°	087.1790908°	30°24.22604'	087°10.74545'
Southeast Corner	1124252.76	519266.16	30.4005676°	087.1781629°	30°24.03405'	087°10.68977'
Southwest Corner	1123960.18	519199.84	30.4003664°	087.1790857°	30°24.02198'	087°10.74514'

SOURCE DATA: LABINS 2013 HIGH RESOLUTION COLOR AERIAL PHOTOGRAPH, GRID CELL 50823

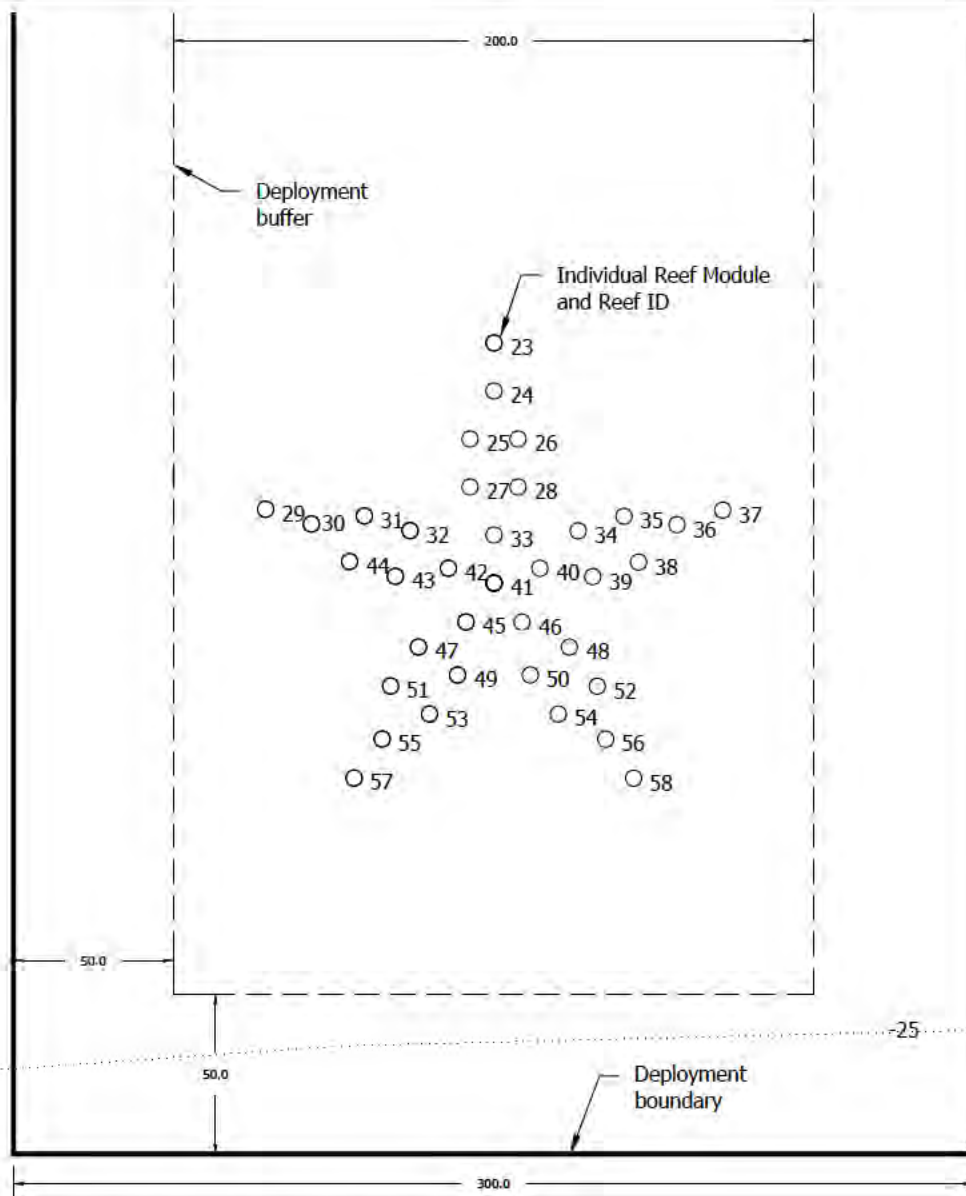
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PROJECT NAME: PND PCB SNORKEL & POND  
 CONTRACT NUMBER: R-11-1-IGUR-1  
 PROJECT NO.: 2007-103  
 DATE: 06/23/16  
 SHEET: 3 OF 3





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 VERTICAL DATUM: NAVD 88, FEET

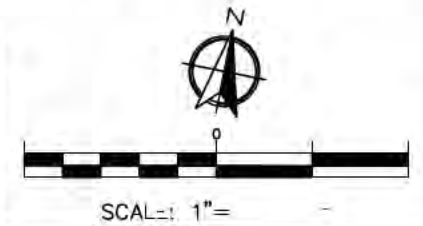
Reef ID	State Plane		Degrees		Degrees Minutes	
	Northing/X	Easting/Y	Latitude	Longitude	Latitude	Longitude
23	1124050.61	519480.18	30.4011428°	087.1788198°	30°24.06857'	087°10.72919'
24	1124053.93	519465.56	30.4011028°	087.1788082°	30°24.06617'	087°10.72849'
25	1124049.93	519449.27	30.4010578°	087.1788197°	30°24.06347'	087°10.72918'
26	1124064.56	519452.58	30.4010678°	087.1787735°	30°24.06407'	087°10.72641'
27	1124053.25	519434.64	30.4010178°	087.1788081°	30°24.06107'	087°10.72848'
28	1124067.88	519437.96	30.4010279°	087.1787619°	30°24.06167'	087°10.72572'
29	1123992.50	519413.73	30.4009564°	087.1789992°	30°24.05738'	087°10.73995'
30	1124007.44	519412.40	30.4009537°	087.1789517°	30°24.05722'	087°10.73710'
31	1124023.05	519418.53	30.4009716°	087.1789026°	30°24.05829'	087°10.73416'
32	1124037.99	519417.19	30.4009688°	087.1788552°	30°24.05813'	087°10.73131'
33	1124063.88	519421.67	30.4009828°	087.1787734°	30°24.05897'	087°10.72640'
34	1124089.26	519428.71	30.4010038°	087.1786934°	30°24.06023'	087°10.72161'
35	1124102.19	519436.31	30.4010255°	087.1786530°	30°24.06153'	087°10.71918'
36	1124118.92	519437.44	30.4010297°	087.1786000°	30°24.06178'	087°10.71600'
37	1124131.86	519445.04	30.4010515°	087.1785596°	30°24.06309'	087°10.71357'
38	1124109.79	519423.38	30.4009905°	087.1786279°	30°24.05943'	087°10.71768'
39	1124096.86	519415.78	30.4009688°	087.1786684°	30°24.05813'	087°10.72010'
40	1124080.13	519414.64	30.4009645°	087.1787213°	30°24.05787'	087°10.72328'
41	1124067.20	519407.04	30.4009428°	087.1787618°	30°24.05657'	087°10.72571'
42	1124052.26	519408.38	30.4009455°	087.1788093°	30°24.05673'	087°10.72856'
43	1124036.65	519402.25	30.4009277°	087.1788583°	30°24.05566'	087°10.73150'
44	1124021.71	519403.59	30.4009304°	087.1789058°	30°24.05582'	087°10.73435'
45	1124061.36	519393.22	30.4009045°	087.1787793°	30°24.05427'	087°10.72676'
46	1124078.40	519397.07	30.4009161°	087.1787255°	30°24.05497'	087°10.72353'
47	1124048.62	519382.32	30.4008737°	087.1788189°	30°24.05242'	087°10.72913'
48	1124094.59	519392.70	30.4009052°	087.1786739°	30°24.05431'	087°10.72043'
49	1124062.44	519376.48	30.4008585°	087.1787746°	30°24.05151'	087°10.72648'
50	1124084.62	519381.49	30.4008737°	087.1787046°	30°24.05242'	087°10.72228'
51	1124042.79	519368.50	30.4008353°	087.1788363°	30°24.05012'	087°10.73018'
52	1124105.80	519382.73	30.4008785°	087.1786376°	30°24.05271'	087°10.71825'
53	1124056.61	519362.66	30.4008201°	087.1787921°	30°24.04921'	087°10.72752'
54	1124095.83	519371.52	30.4008470°	087.1786683°	30°24.05082'	087°10.72010'
55	1124043.87	519351.76	30.4007894°	087.1788316°	30°24.04736'	087°10.72990'
56	1124112.02	519367.15	30.4008361°	087.1786167°	30°24.05016'	087°10.71700'
57	1124038.04	519337.94	30.4007510°	30.4007510°	30°24.04506'	087°10.73095'
58	1124123.23	519357.18	30.4008094°	087.1785804°	30°24.04856'	087°10.71482'

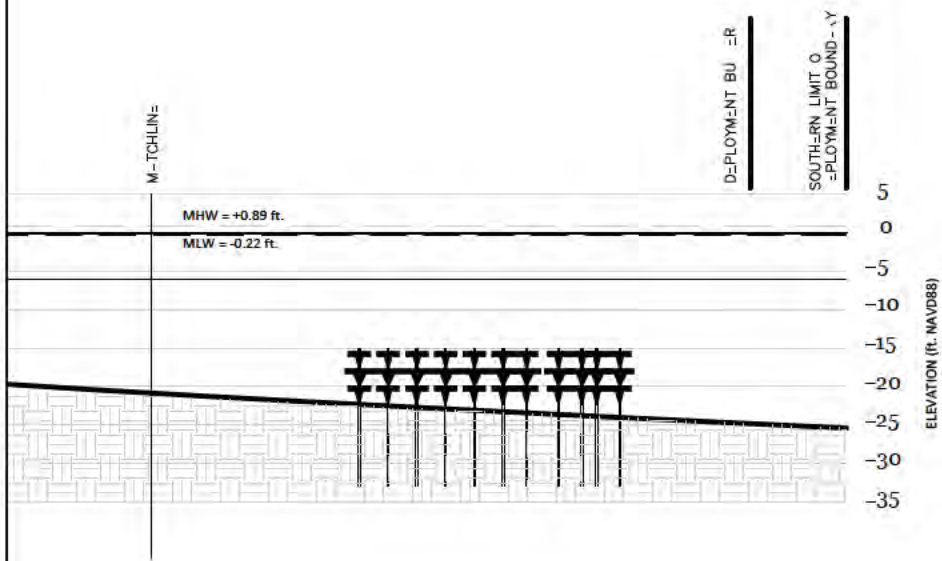
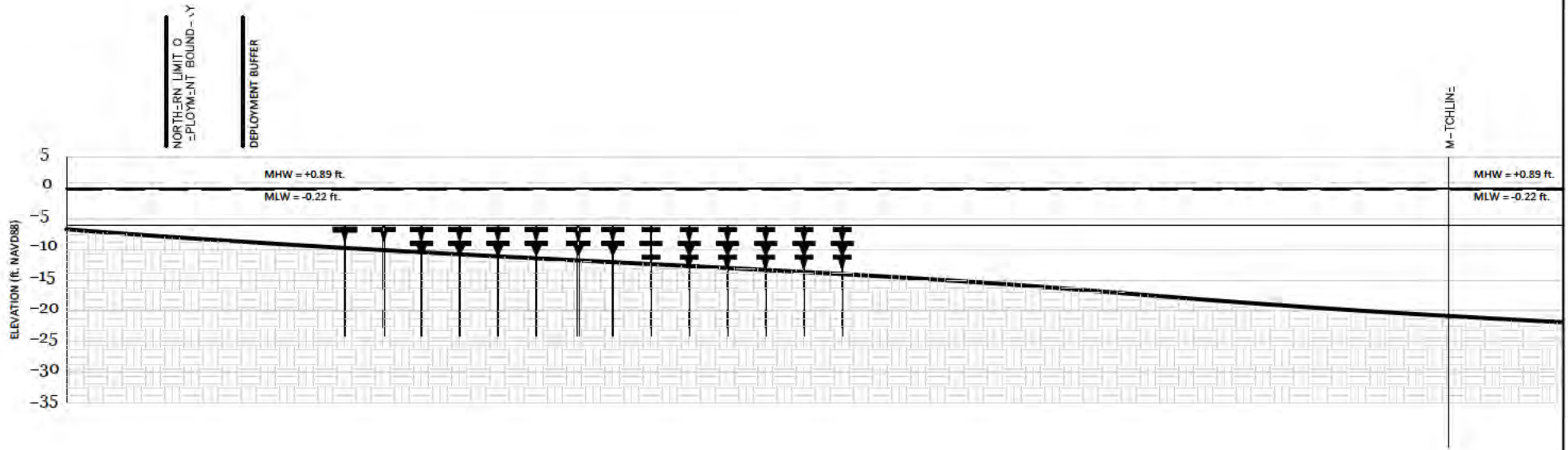
SOURCE DATA: LABINS 2013 HIGH RESOLUTION  
 COLOR AERIAL PHOTOGRAPH, GRID CELL 50823



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PROJ=CT N =: PND PCB SNORK=L & P =  
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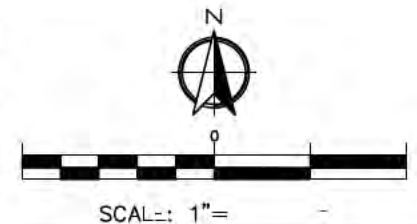




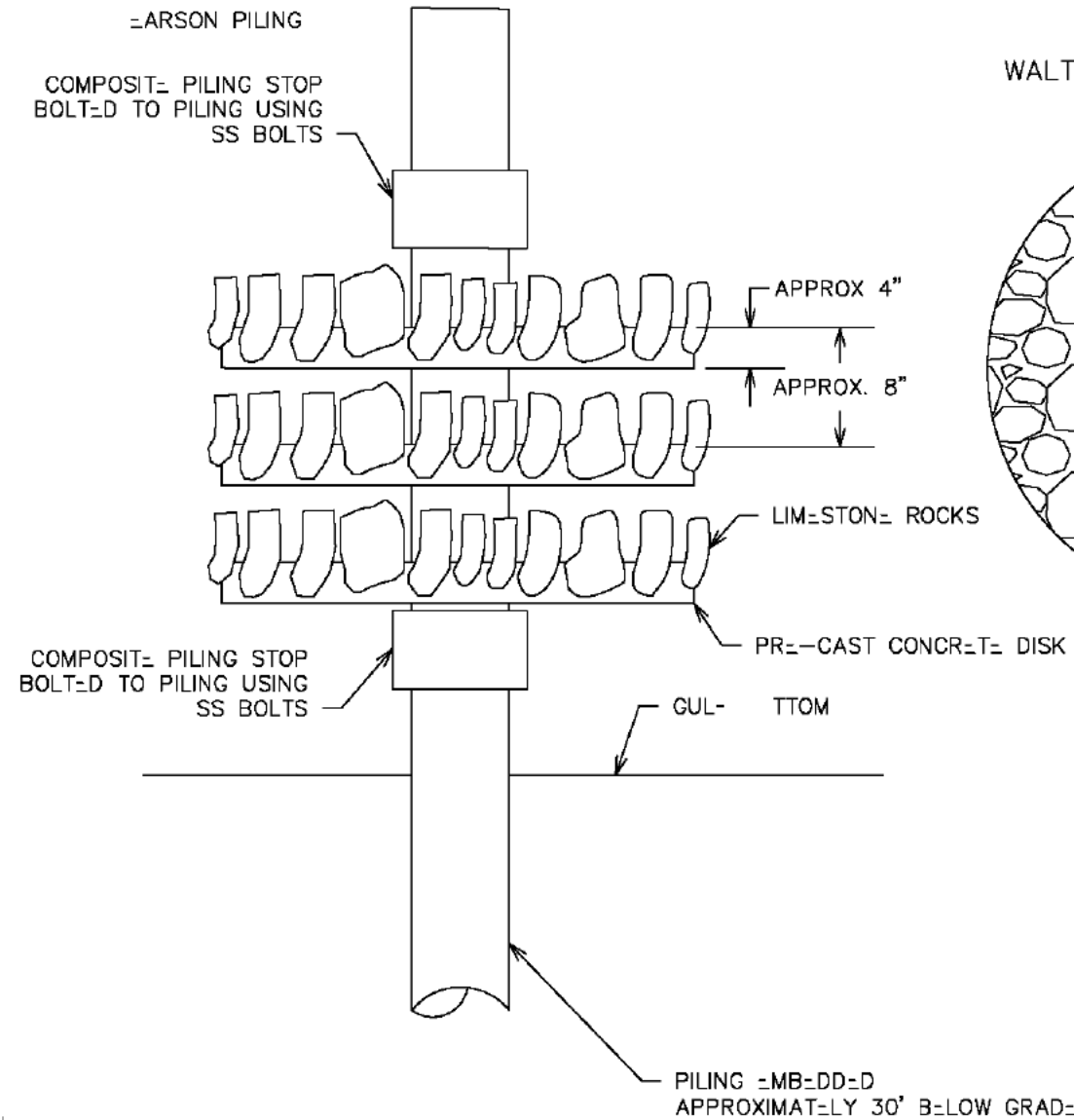
**WETLAND SCIENCES**  
INCORPORATED

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PROJECT NAME: PCB Snorkel and Paddle Cra  
Critical Reef Profile  
PROJECT NO.: 2007-103  
DRAWN BY: J-T DATE: 10/13/16  
SHEET: 5 OF 5



WALTER ECO-SYSTEM REEF PROFILE



WALTER ECO-SYSTEM REEF TOP VIEW

