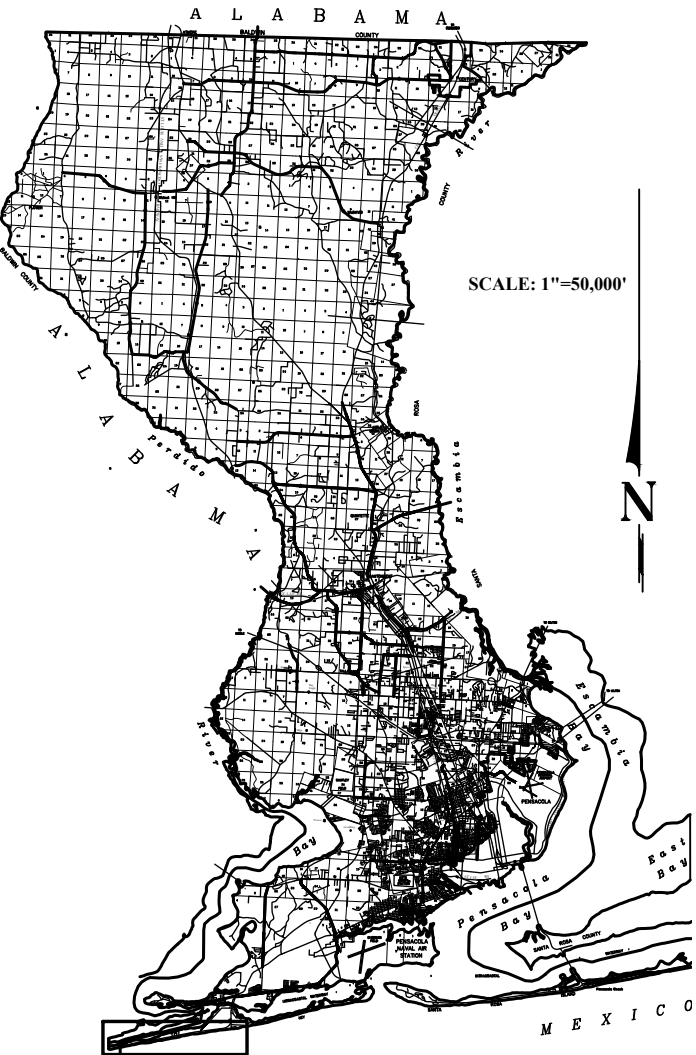




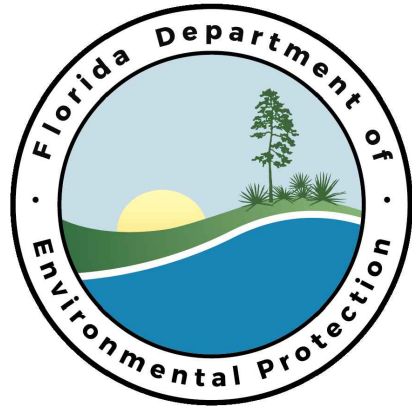
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA
COMMUNITY & ENVIRONMENT DEPARTMENT
NATURAL RESOURCE MANAGEMENT



INDEX OF PLANS

SHEET NO.	SHEET DESCRIPTION
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C9	PLAN VIEW PLANTING AREAS
C10	PLANTING PLAN AND SECTION (TYPICAL)

TASK ORDER: PD 02-03 79.62.01.NRM



This project is being funded by a Grant provided by the Florida Department of Environmental Protection through the Natural Resources Damage Assessment Early Restoration Program from the Deepwater Horizon Oil Spill. DEP Agreement No. S0927

PLANS PROPOSED FOR
PERDIDO KEY DUNE
RESTORATION PROJECT

FINAL SUBMITTAL

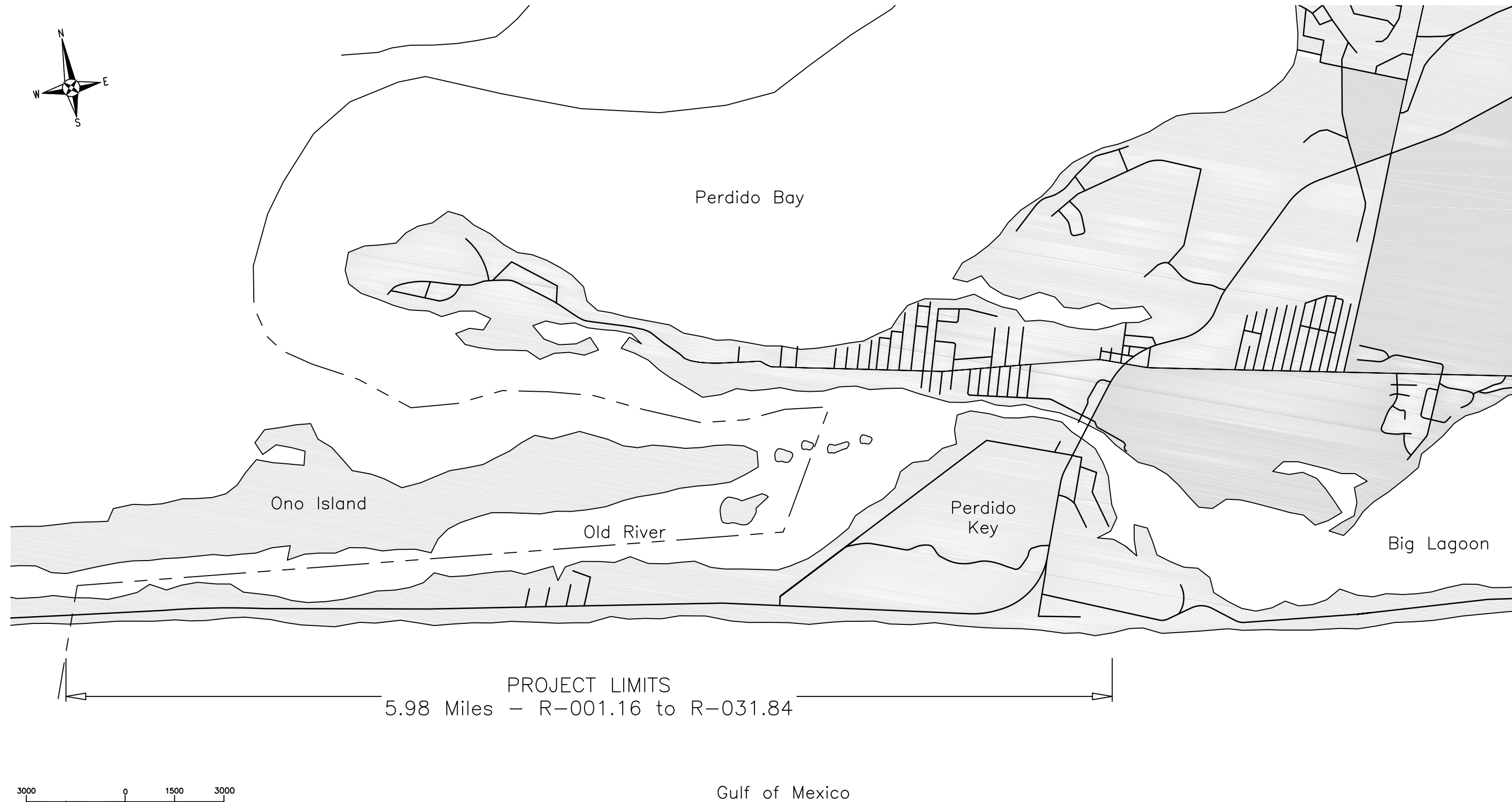
08/03/17

COMMISSIONERS

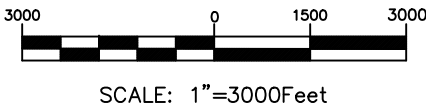
DISTRICT ONE	JEFF BERGOSH, VICE CHAIRMAN
DISTRICT TWO	DOUG UNDERHILL, CHAIRMAN
DISTRICT THREE	LUMON MAY
DISTRICT FOUR	GROVER ROBINSON IV
DISTRICT FIVE	STEVEN BARRY

PROJECT MANAGER: Matt Posner	
SECTION / TOWNSHIP / RANGE: 1&6/ 3S / 33W & 32-35/3S/32W	DISTRICT: 2

NUMBER	REVISION	DATE



PROJECT LIMITS
5.98 Miles – R-001.16 to R-031.84



ENVIRONMENTAL CONSULTANTS
3308 GULF BEACH HIGHWAY
PENSACOLA, FLORIDA 32507
TEL: 850.453.4700
KEITH@WETLANDSCIENCES.COM

NO.	DATE	APPR.	REVISION/ACTION TAKEN

PERDIDO KEY, FL DUNE RESTORATION PROJECT	PROJECT LOCATION
--	------------------

PROJECT NO.: 2016-160
DRAWN BY: KDJ
DATE: 08/03/17
SHEET: C2

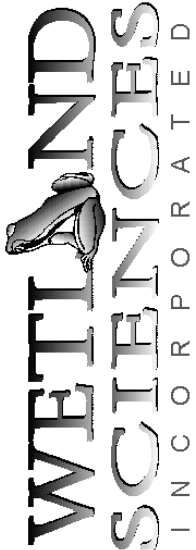
PAY ITEMS

Bid Item 1.0 Mobilization	Unit	Quantity	Bid Unit	Bid Price
Mobilization	Each	1	Lump Sum	\$
TOTAL: Bid Item 1.0 - Mobilization				\$
Bid Item 2.0 Layout	Unit	Quantity	Bid Unit	Bid Price
Part 2.1: STA 0+00 to STA 49+41.74	Each	1	Lump Sum	\$
Part 2.2: STA 49+49.74 to STA 105+73.31	Each	1	Lump Sum	\$
Part 2.3: STA 105+73.31 to STA 187+32.45	Each	1	Lump Sum	\$
Part 2.4: STA 187+32.45 to STA 256+63.04	Each	1	Lump Sum	\$
Part 2.5: STA 256+63.04 to STA 316+44.82	Each	1	Lump Sum	\$
TOTAL: Bid Item 2.0 - Layout				\$
Bid Item 3.0 Sea Oats	Unit	Quantity	Bid Unit	Bid Price
Part 3.1: STA 0+00 to STA 49+41.74	Each	74,587	\$/unit	\$
Part 3.2: STA 49+49.74 to STA 105+73.31	Each	80,337	\$/unit	\$
Part 3.3: STA 105+73.31 to STA 187+32.45	Each	65,324	\$/unit	\$
Part 3.4: STA 187+32.45 to STA 256+63.04	Each	58,706	\$/unit	\$
Part 3.5: STA 256+63.04 to STA 316+44.82	Each	88,645	\$/unit	\$
TOTAL: Bid Item 3.0 - Sea Oats				\$
Bid Item 4.0 Panic Grass	Unit	Quantity	Bid Unit	Bid Price
Part 4.1: STA 0+00 to STA 49+41.74	Each	4,296	\$/unit	\$
Part 4.2: STA 49+49.74 to STA 105+73.31	Each	4,208	\$/unit	\$
Part 4.3: STA 105+73.31 to STA 187+32.45	Each	3,763	\$/unit	\$
Part 4.4: STA 187+32.45 to STA 256+63.04	Each	3,381	\$/unit	\$
Part 4.5: STA 256+63.04 to STA 316+44.82	Each	5,105	\$/unit	\$
TOTAL: Bid Item 4.0 - Panic Grass				\$
Bid Item 5.0 Diversity Species	Unit	Quantity	Bid Unit	Bid Price
Part 5.1: STA 0+00 to STA 49+41.74	Each	4,360	\$/unit	\$
Part 5.2: STA 49+49.74 to STA 105+73.31	Each	4,696	\$/unit	\$
Part 5.3: STA 105+73.31 to STA 187+32.45	Each	3,819	\$/unit	\$
Part 5.4: STA 187+32.45 to STA 256+63.04	Each	3,432	\$/unit	\$
Part 5.5: STA 256+63.04 to STA 316+44.82	Each	5,182	\$/unit	\$
TOTAL: Bid Item 5.0 - Diversity Species				\$
Bid Item 6.0 Staking and Flagging Access Lanes	Unit	Quantity	Bid Unit	Bid Price
Staking and Flagging Access Lanes	Each	1	Lump Sum	\$
TOTAL: Bid Item 6.0 - Staking and Flagging Access Lanes				\$
Bid Item 7.0. Demobilization	Unit	Quantity	Bid Unit	Bid Price
Demobilization	Each	1	Lump Sum	\$
TOTAL: Bid Item 7.0 - Demobilization				\$
TOTAL BID PRICE: The bidder shall total Bid Items 1-7 above to indicate total bid price. All items must be included in total below for the bid to be deemed responsive.			Total	
GRAND TOTAL PRICE: Perdido Key Dune Restoration Project			\$	

SUMMARY OF QUANTITIES

Planting Section	Western Limit	Eastern Limit	Length (ft)	Length (miles)	Planting Area (Sq. Ft.)	Planting Area (Acres)	Total Plant Units	Sea Oats (<i>Uniola paniculata</i>)	Panic Grass (<i>Panicum amarum</i>)	Diversity Species ¹
1	STA 0+00	STA 49+41.74	4,941.74	0.94	145,337.30	3.34	83,243	74,587	4,296	4,360
2	STA 49+41.74	STA 105+73.31	5,631.57	1.07	156,546.38	3.59	89,241	80,337	4,208	4,696
3	STA 105+73.31	STA 187+32.45	8,159.14	1.55	127,284.10	2.92	72,906	65,324	3,763	3,819
4	STA 187+32.45	STA 256+63.04	6,930.59	1.31	114,392.50	2.63	65,519	58,706	3,381	3,432
5	STA 256+63.04	STA 316+44.82	5,981.78	1.13	172,730.20	3.97	98,932	88,645	5,105	5,182
Total			31,644.82	5.99	716,290.48	16.44	409,841	367,599	20,753	21,489

1 See specifications for approved list of diversity species

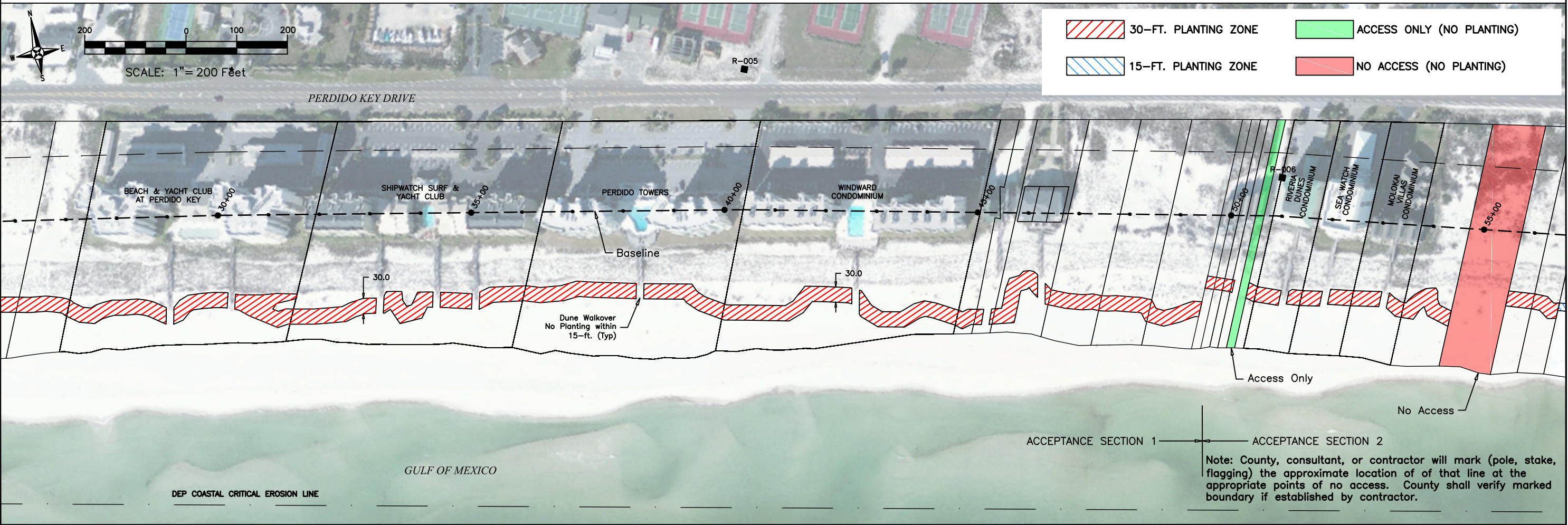
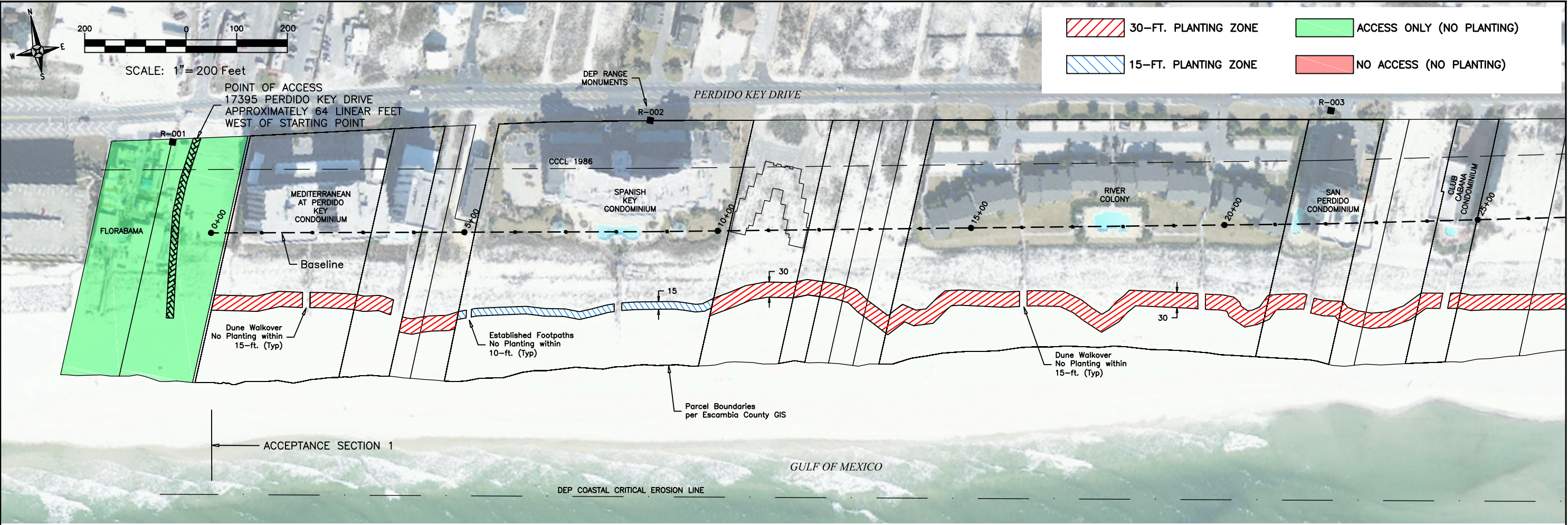


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NO.	DATE	APPR.	REVISION/ACTION TAKEN
1	10/02/17	ES Co1	Added planting units at Indigo
2	10/17/17	ES Co2	Removed planting from Shorebird Nesting Sites

PERDIDO KEY, FL DUNE RESTORATION PROJECT	PAY ITEMS SUMMARY OF QUANTITIES
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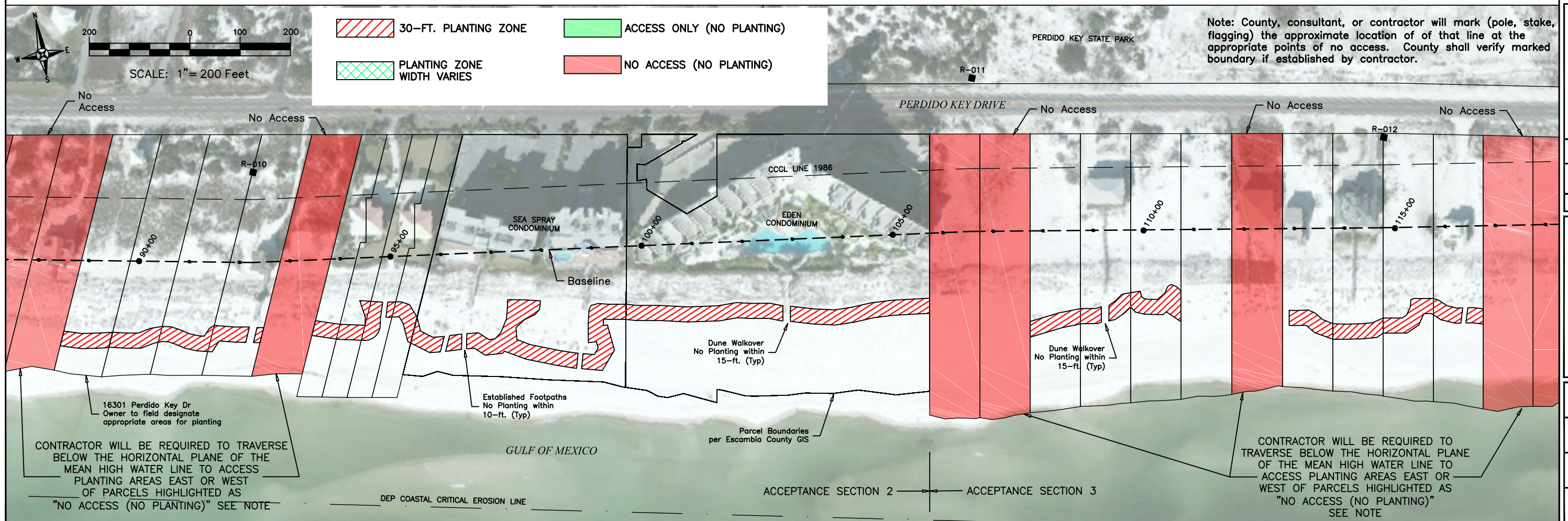
PROJECT NO.:	2016-160
DRAWN BY:	KDJ
DATE:	10/02/17
SHEET:	C3



NO.	DATE	APPR.	REVISION/ACTION TAKEN

PERDIDO KEY, FL DUNE RESTORATION PROJECT	PLAN VIEW PLANTING AREAS
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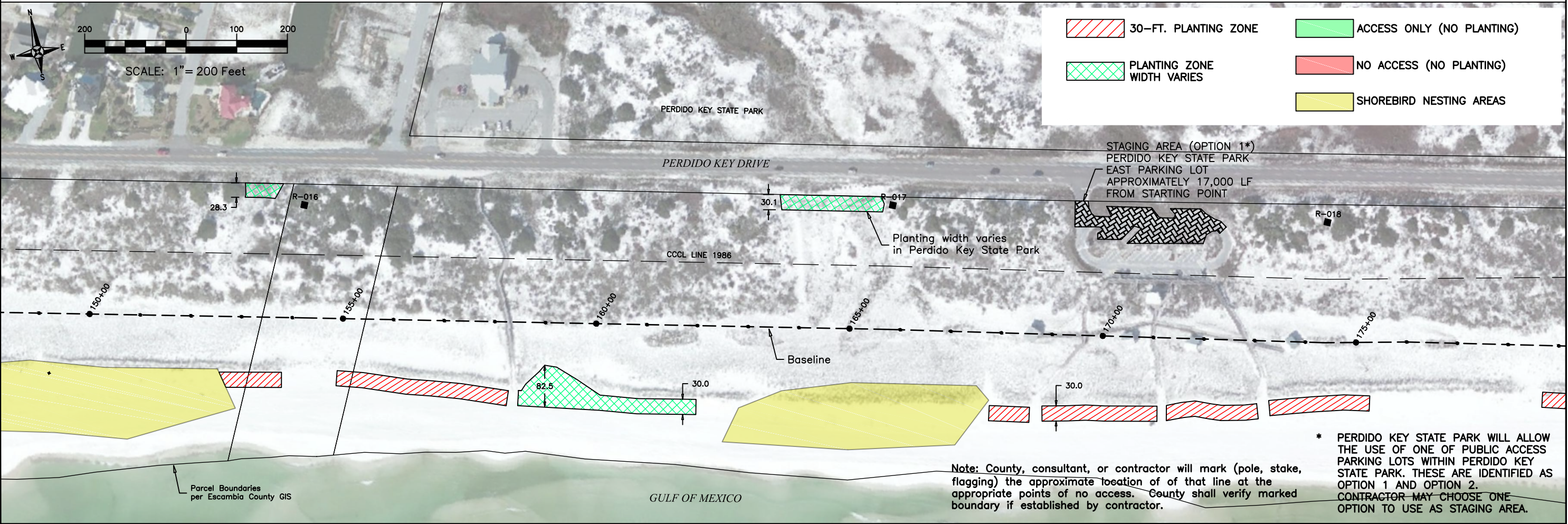
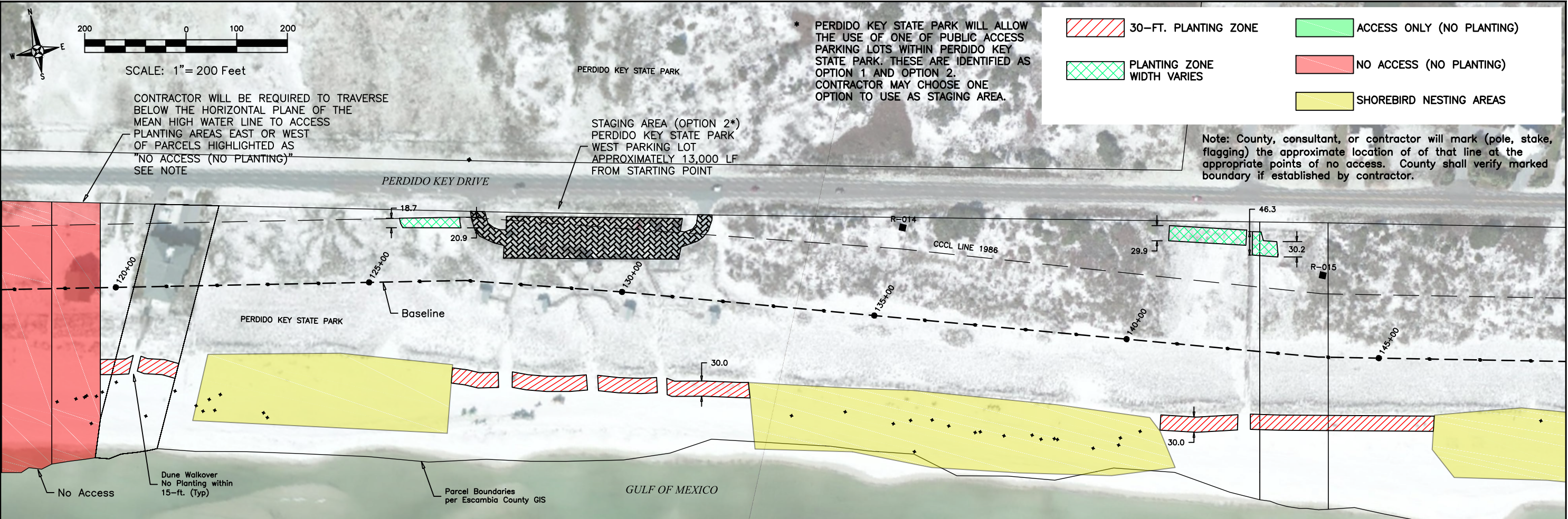
PROJECT NO.: 2016-160
DRAWN BY: KDJ
DATE: 08/03/17
SHEET: C4



NO.	DATE	APPR.	REVISION/ACTION TAKEN

PERDIDO KEY, FL DUNE RESTORATION PROJECT	PLAN VIEW PLANTING AREAS
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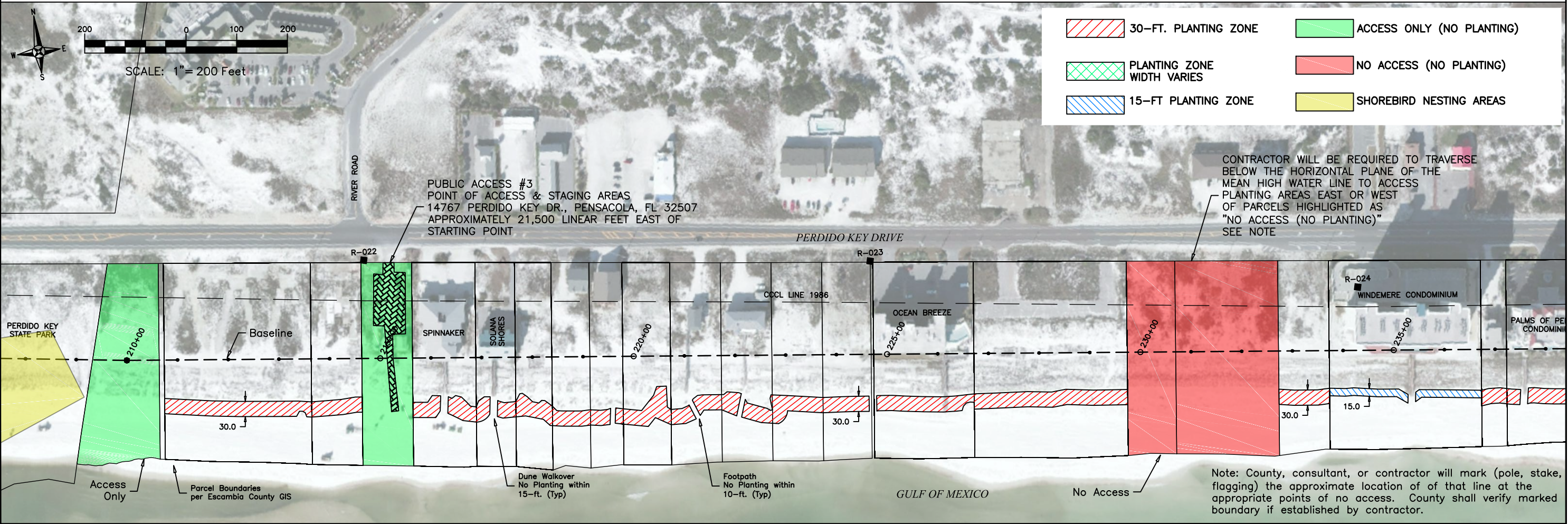
PROJECT NO.:	2016-160
DRAWN BY:	KDJ
DATE:	08/03/17
SHEET:	CS



NO.	DATE	APPR.	REVISION/ACTION TAKEN

PERDIDO KEY, FL DUNE RESTORATION PROJECT	PLAN VIEW PLANTING AREAS
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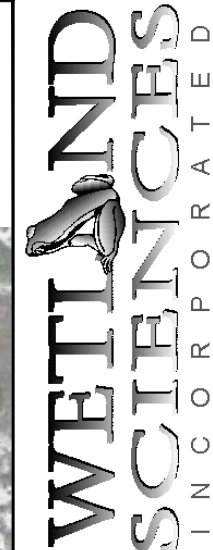
PROJECT NO.: 2016-160
DRAWN BY: KDJ
DATE: 08/03/17
SHEET: C6



NO.	DATE	APPR.	REVISION/ACTION TAKEN

PERDIDO KEY, FL DUNE RESTORATION PROJECT	PLAN VIEW PLANTING AREAS
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PROJECT NO.:	2016-160
DRAWN BY:	KDJ
DATE:	08/03/17
SHEET:	C7



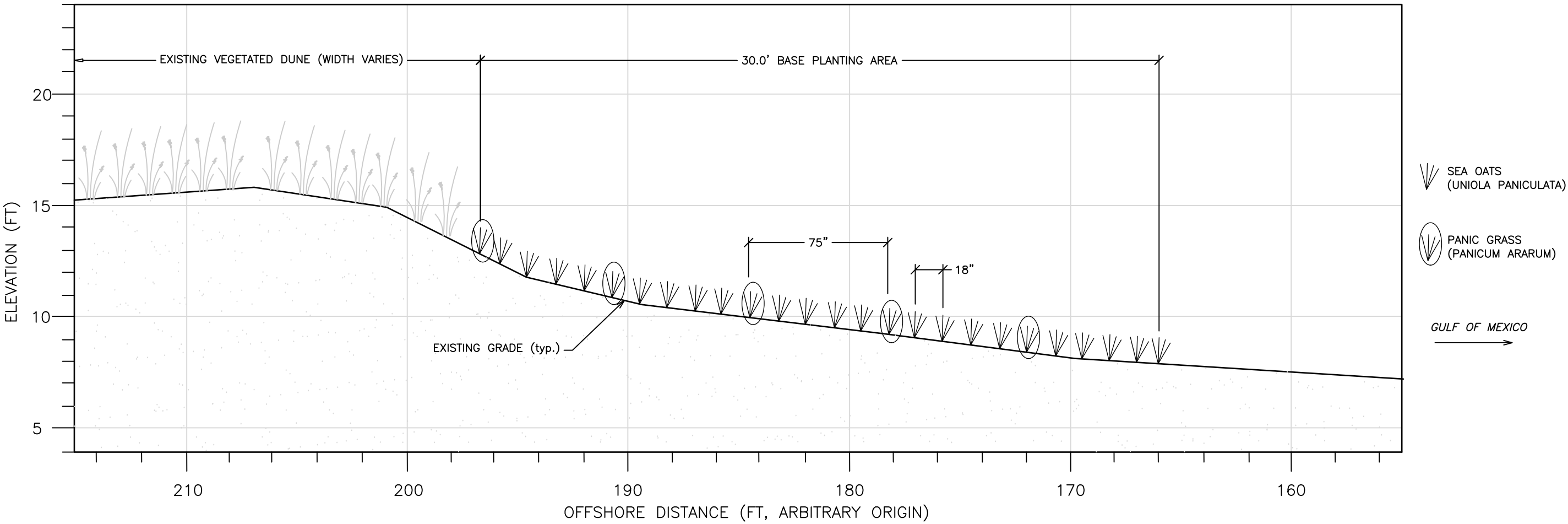
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PENSACOLA, FLORIDA 32507
TEL: 850.453.4700
KEITH@WETLANDSCIENCES.COM

NO.	DATE	APPR.	REVISION/ACTION TAKEN
1	07/19/17	01	ADDED STAGING AREA

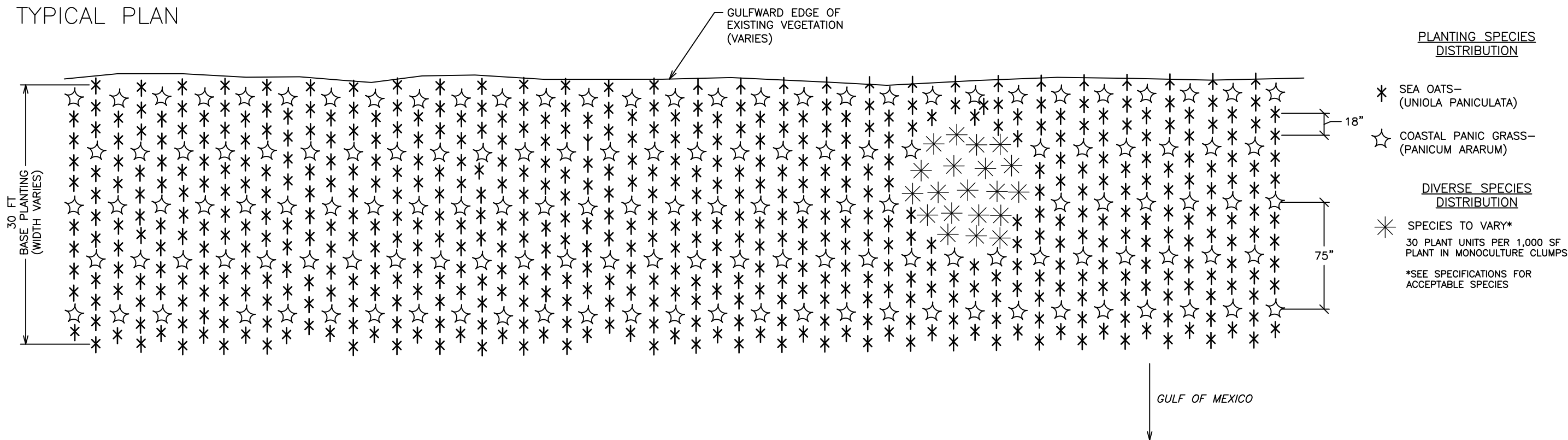
PERDIDO KEY, FL DUNE RESTORATION PROJECT	PLAN VIEW PLANTING AREAS
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PROJECT NO.:	2016-160
DRAWN BY:	KDJ
DATE:	08/03/17
SHEET:	C9

TYPICAL SECTION



TYPICAL PLAN



NO.	DATE	APPR.	REVISION/ACTION TAKEN

PERDIDO KEY, FL DUNE RESTORATION PROJECT	PLANTING PLAN & SECTION (TYPICAL)
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PROJECT NO.: 2016-160
DRAWN BY: KDJ
DATE: 5/10/2017
SHEET: C10