

EXECUTIVE SUMMARY

Wiggins Pass/Doctors Pass Dredging Update

OBJECTIVE: To update the CAC on Wiggins Pass/Doctors Pass dredging.

CONSIDERATIONS:

1. Survey and Engineering of Wiggins Pass and Doctors Pass is completed with removal of 49,600 CY of material from Wiggins Pass and 36,000 CY of material from Doctors Pass.
2. Design has been completed and requests for Notice To Proceed from FDEP has been submitted.
3. FDEP and USACE permits are in place with no permit modifications anticipated. Notice To Proceed is expected within the next two months from FDEP.
4. Package into Collier County Purchasing for bidding.
5. Anticipate dredging to commence in January 2009 or sooner.

COUNTY ATTORNEY FINDING: A finding by the County Attorney is not required for this item.

FISCAL IMPACT: The Source of funds is from Category "A" Tourist Development Tax fund 195.

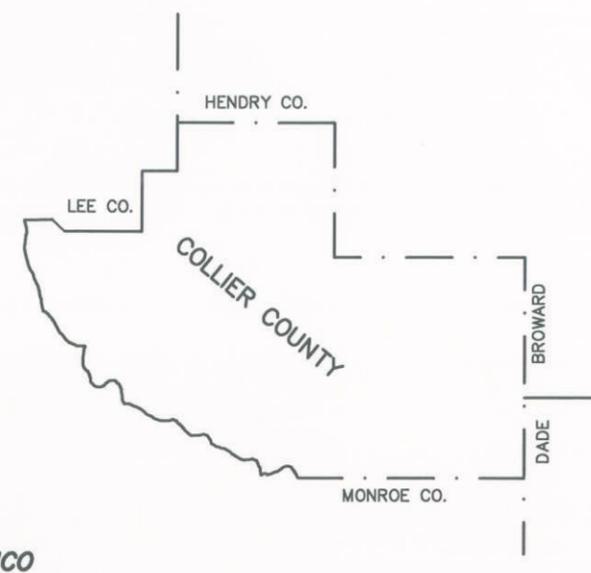
GROWTH MANAGEMENT IMPACT: There is no impact to the Growth Management Plan related to this action.

RECOMMENDATION: For information only.

PREPARED BY: Gary McAlpin, CZM Director

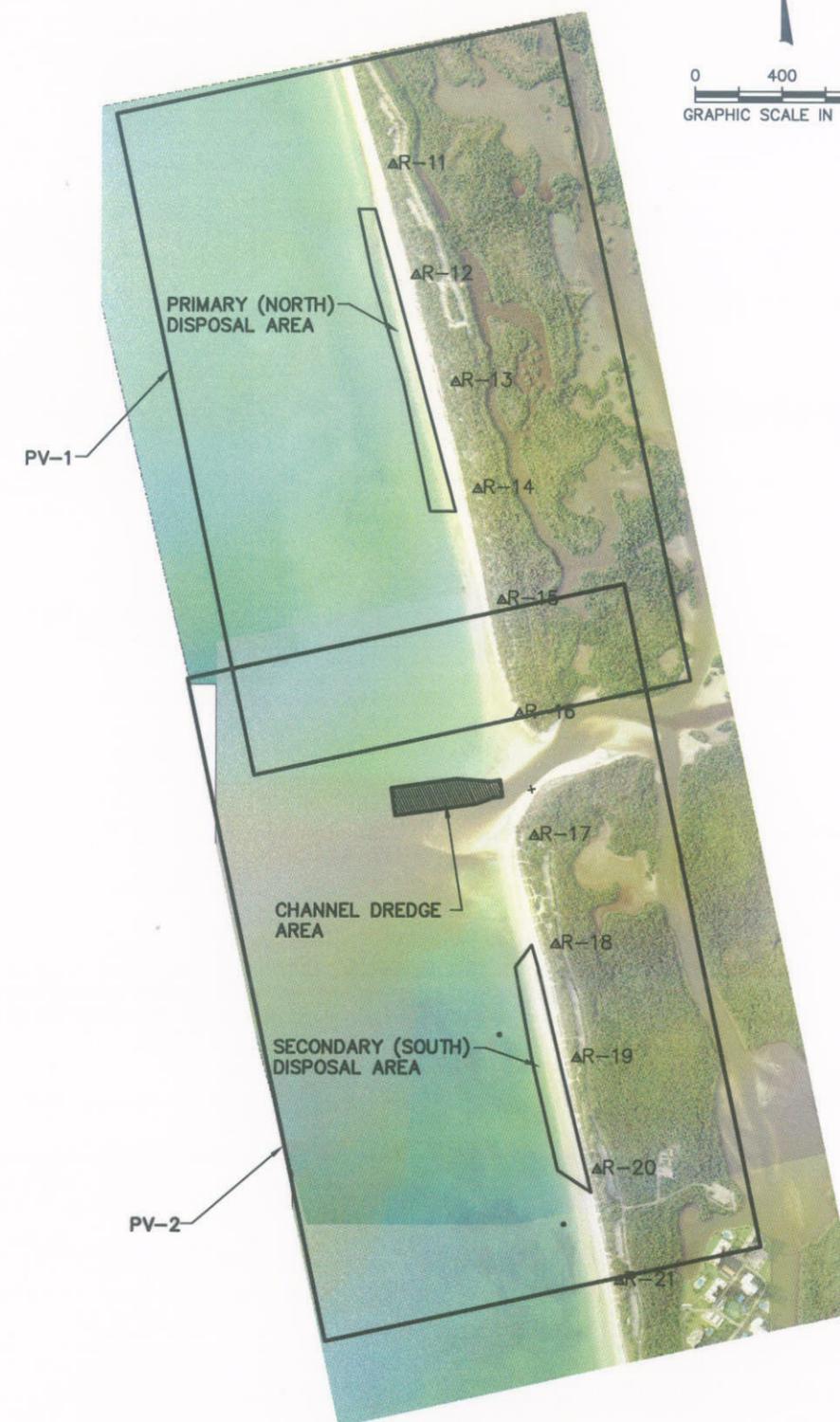
WIGGINS PASS MAINTENANCE DREDGING NAPLES, FLORIDA

PREPARED FOR
 COLLIER COUNTY
 BOARD OF COMMISSIONERS



COLLIER COUNTY COMMISSION	
DONA FIALA	DISTRICT 1
FRANK HALAS	DISTRICT 2
TOM HENNING	DISTRICT 3
FRED W. COYLE	DISTRICT 4
JIM COLETTA	DISTRICT 5
COASTAL ZONE MANAGEMENT DEPARTMENT COLLIER COUNTY GOVERNMENT 3300 SANTA BARBARA BOULEVARD NAPLES, FLORIDA 34116 PH. (239) 252-2966	

INDEX TO SHEETS	
1	COVER SHEET
2	CONTROL DATA SHEET
3	OVERALL PROJECT PLAN VIEW
4-5	PLAN VIEWS
6-7	CHANNEL CROSS-SECTIONS
8-9	DISPOSAL AREA PROFILES



COASTAL PLANNING & ENGINEERING, INC.
 2481 N.W. BOCA RATON BOULEVARD
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 C.O.A. FL. #4028
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REVISIONS	No.	Date	Description

Designed by: SK	Checked by: AMB
Drawn by: JRC	Reviewed by: SK
Date: 8/14/08	Submitted by: SK
Plot Scale: AS NOTED	Comm. No.: 8500.55

Reference Files:
 85000_0000.dwg

**WIGGINS PASS
 MAINTENANCE DREDGING
 NAPLES, FLORIDA**

COVER SHEET

CERTIFICATION:
 I CERTIFY THAT THESE PLANS ARE IN COMPLIANCE
 WITH THE APPLICABLE SECTIONS OF 62B-41, F.A.C.

STEPHEN KEEHN P.E. NO. 34857 _____ DATE _____

DRAWING NO.
CS

SHEET 1 OF 9

F:\Collier\080010 Wiggins and Doctors Passes Project\Conf\CONSTRUCTION\WIGGINS_PASS\080010_WP_CS_PV.dwg - Sep 22, 2008 @ 3:36pm - release

WIGGINS PASS INLET CONTROL DATA

"R" - MON FDEP GIVEN CONTROL					
MON ID	M. DATE	NORTHING	EASTING	AZ	M. ELEV.
R-10	JAN1973	717953.90	382267.40	270.0	8.77
R-11	JAN1973	716979.20	382597.60	270.0	8.10
R-12	JAN1973	715976.30	382815.00	270.0	7.92
R-13	JAN1973	715004.90	383185.00	270.0	9.51
R-14	JAN1973	714033.80	383389.30	270.0	9.87
R-15	JAN1973	713027.60	383619.90	260.0	10.12
R-16	JAN1973	711997.00	383784.40	270.0	9.58
R-17	JAN1973	710889.50	383927.40	270.0	7.15
R-18	JAN1973	709906.70	384127.00	270.0	9.11
R-19	JAN1973	708878.00	384326.00	270.0	6.68
R-20	JAN1973	707866.60	384517.50	270.0	7.53
R-21	JAN1973	706858.30	384728.90	270.0	7.31
R-22	JAN1973	705839.50	384938.90	270.0	10.50

NAD 83 FL EAST ZONE, NGVD 29

INLET EXTERIOR EBB SHOAL STATIONS			
STATION NO.	NORTHING	EASTING	AZ
-2+00	711947.44	383738.53	172.2
-1+00	712131.94	383612.16	172.2
0+00	712316.38	383485.81	172.2
1+00	712302.75	383386.75	172.2
2+00	712289.06	383287.69	172.2
3+00	712275.44	383188.63	172.2
4+00	712261.75	383089.56	172.2
5+00	712248.13	382990.47	172.2
6+00	712234.50	382891.41	172.2
7+00	712220.81	382792.38	172.2
8+00	712207.19	382693.28	172.2
9+00	712193.50	382594.22	172.2
10+00	712179.88	382495.16	172.2
11+00	712166.19	382396.09	172.2
12+00	712152.56	382297.03	172.2
13+00	712138.88	382197.97	172.2
14+00	712125.25	382098.91	172.2
15+00	712111.63	381999.84	172.2

INLET INTERIOR CHANNEL STATIONS			
STATION NO.	NORTHING	EASTING	AZ
C1	711973.90	383660.20	165.5
C2	711986.40	383708.60	165.5
C3	711998.90	383757.00	165.5
C4	712011.40	383805.40	165.5
C5	712023.90	383853.80	165.5
C6	712036.50	383902.20	165.5
C7	712061.50	383999.10	165.5
C8	712086.50	384095.90	165.5
C9	712111.60	384192.70	165.5
C10	712136.60	384289.50	165.5
C11	712161.70	384386.30	165.5
C12	712186.70	384483.10	165.5
C13	712211.70	384579.90	165.5
C14	712236.80	384676.80	165.5
C15	712261.80	384773.60	165.5
C16	712286.80	384870.40	165.5
C17	712311.90	384967.20	165.5
C18	712336.90	385064.00	165.5
C19	712362.00	385160.80	165.5
C20	712387.00	385257.60	165.5
C21	712412.00	385354.50	165.5
C22	712437.10	385451.30	165.5
C23	712462.10	385548.10	165.5
C24	712487.10	385644.90	165.5
C25	712512.20	385741.70	165.5
C26	712537.20	385838.50	165.5
C27	712562.30	385935.30	165.5
C28	712587.30	386032.20	165.5
C29	711810.80	385254.10	255.5
C30	711710.80	385254.10	255.5
C31	711610.80	385254.10	255.5
C32	711510.80	385254.10	255.5
C33	711410.80	385254.10	255.5
C34	711310.80	385254.10	255.5



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REVISIONS	
No.	Description

Checked by: AMB	Designed by: SK	Reference Files: 0000_0000.dwg
Reviewed by: SK	Drawn by: JRC	
Submitted by: SK	Date: 8/14/08	
Coord. No.: 8500.55	Plot Scale: AS NOTED	

**WIGGINS PASS
 MAINTENANCE DREDGING
 NAPLES, FLORIDA**
CONTROL DATA

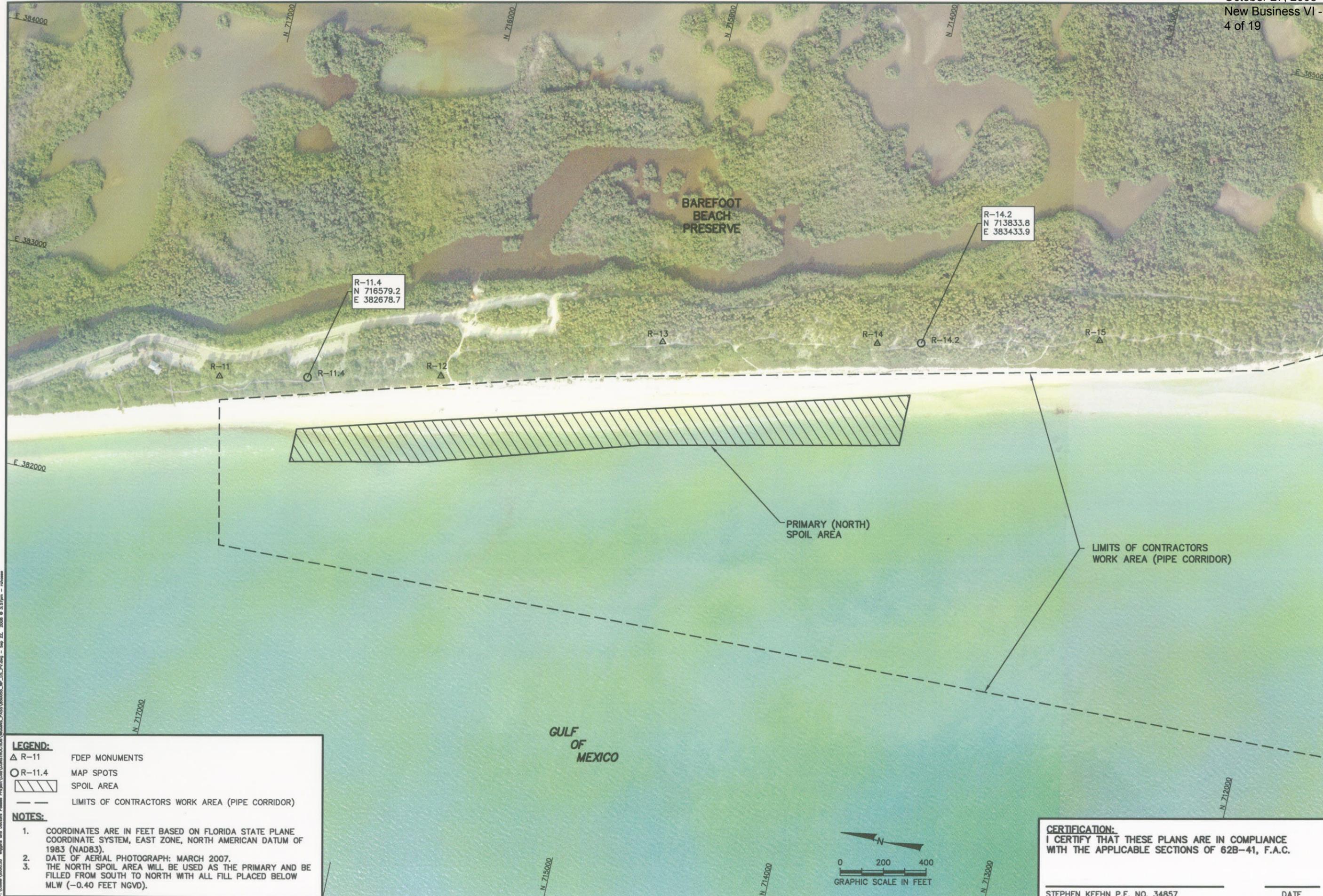
CERTIFICATION:
 I CERTIFY THAT THESE PLANS ARE IN COMPLIANCE
 WITH THE APPLICABLE SECTIONS OF 62B-41, F.A.C.

 STEPHEN KEEHN P.E. NO. 34857

 DATE

DRAWING NO.
CD
 SHEET 2 OF 9

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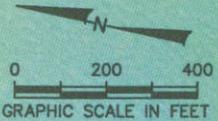
LEGEND:
 Δ R-11 FDEP MONUMENTS
 ○ R-11.4 MAP SPOTS
 ▨ SPOIL AREA
 - - - LIMITS OF CONTRACTORS WORK AREA (PIPE CORRIDOR)

NOTES:
 1. COORDINATES ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83).
 2. DATE OF AERIAL PHOTOGRAPH: MARCH 2007.
 3. THE NORTH SPOIL AREA WILL BE USED AS THE PRIMARY AND BE FILLED FROM SOUTH TO NORTH WITH ALL FILL PLACED BELOW MLW (-0.40 FEET NGVD).

PRIMARY (NORTH) SPOIL AREA

LIMITS OF CONTRACTORS WORK AREA (PIPE CORRIDOR)

GULF OF MEXICO



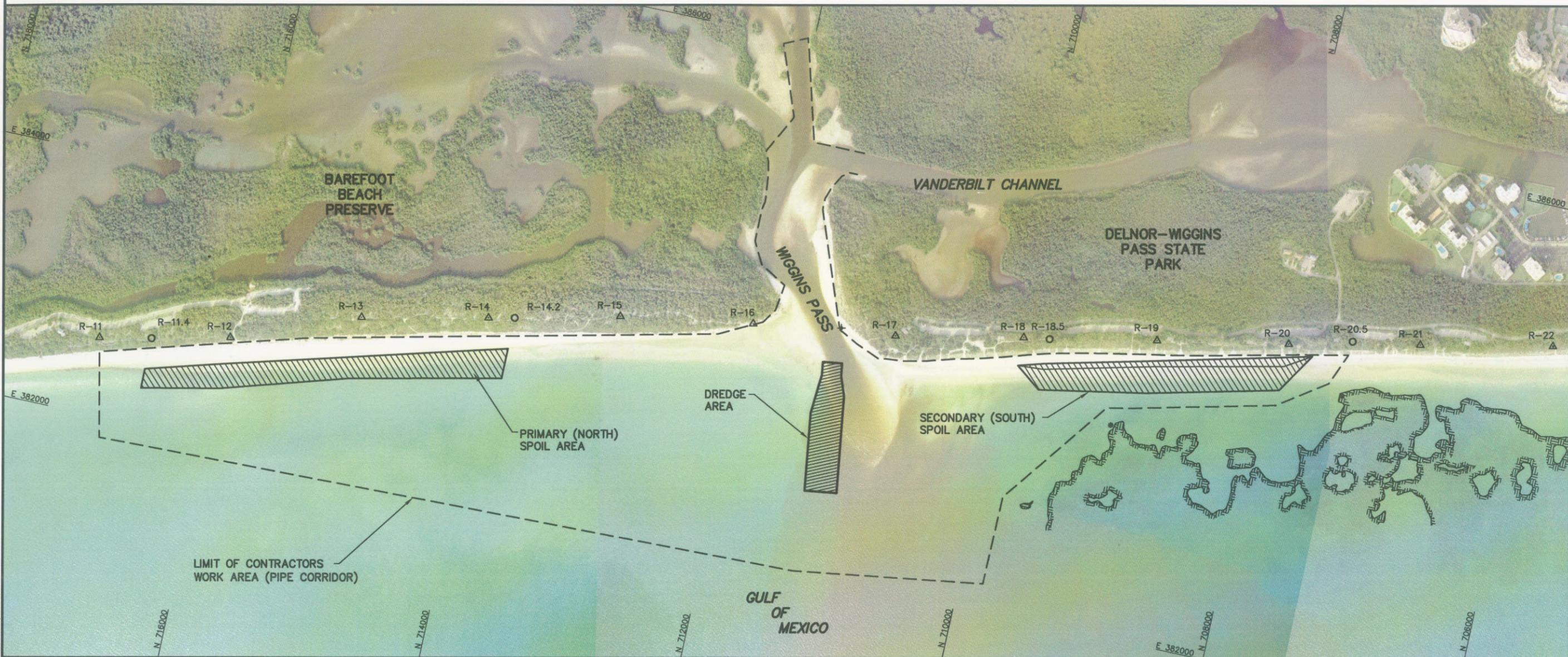
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REVISIONS	
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Drawn by: JRC	Registered by: SK	Submitted by: SK
Date: 8/14/08	Comm. No.:	Comm. No.:
Plot Scale: AS NOTED	8500.35	8500.35
WIGGINS PASS MAINTENANCE DREDGING NAPLES, FLORIDA		
PRIMARY (NORTH) SPOIL AREA		
DRAWING NO.		
PV-2		
SHEET 4 OF 9		DATE

P:\Gis\66000_0000.dwg Wiggins Pass Maintenance Dredging Naples, FLORIDA - Sep 22, 2008 @ 3:57pm - rthomas



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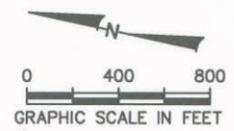
- △ FDEP MONUMENTS
- MAP SPOT
- LIMIT OF CONTRACTORS WORK AREA (PIPE CORRIDOR)
- ▨ 2007 POTENTIAL HARDBOTTOM
- ▨ DREDGE AREA
- ▨ SPOIL AREA

NOTES:

1. COORDINATES ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE POTENTIAL HARDBOTTOM SHOWN ON THIS MAP REPRESENTS THE RESULTS OF THE CPE SIDESCAN SURVEY OF 2007.
3. DATE OF AERIAL PHOTOGRAPH: MARCH 2007.

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Date: 8/14/08	Submitted by: SK
Plot Scale: AS NOTED	Comm. No.: 8500355

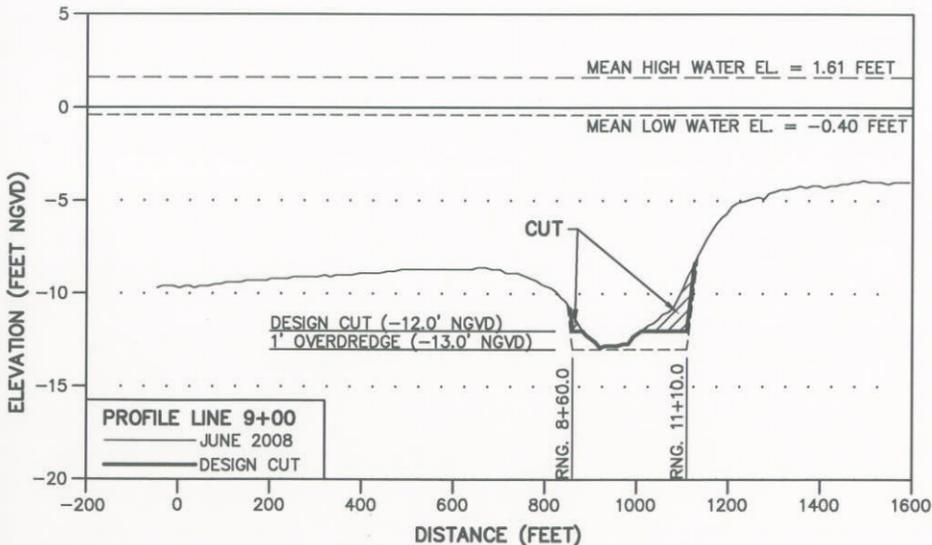
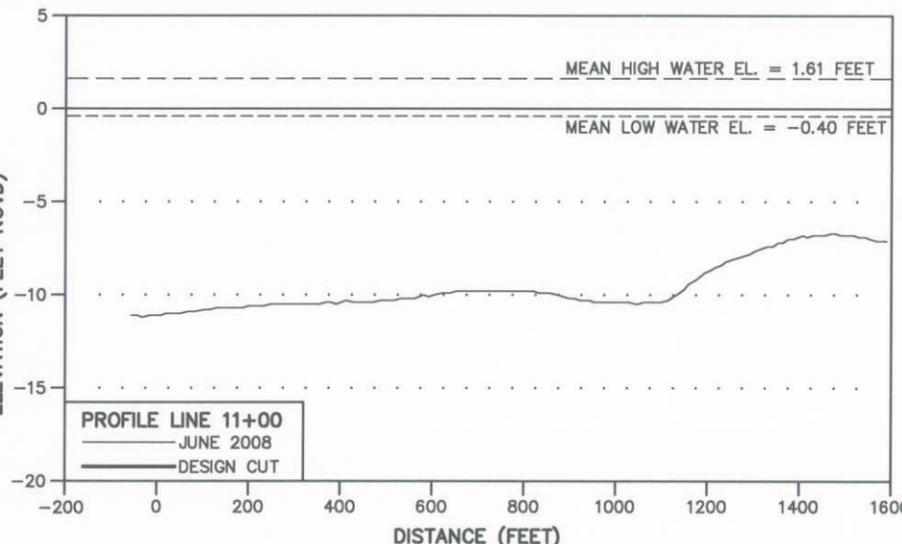
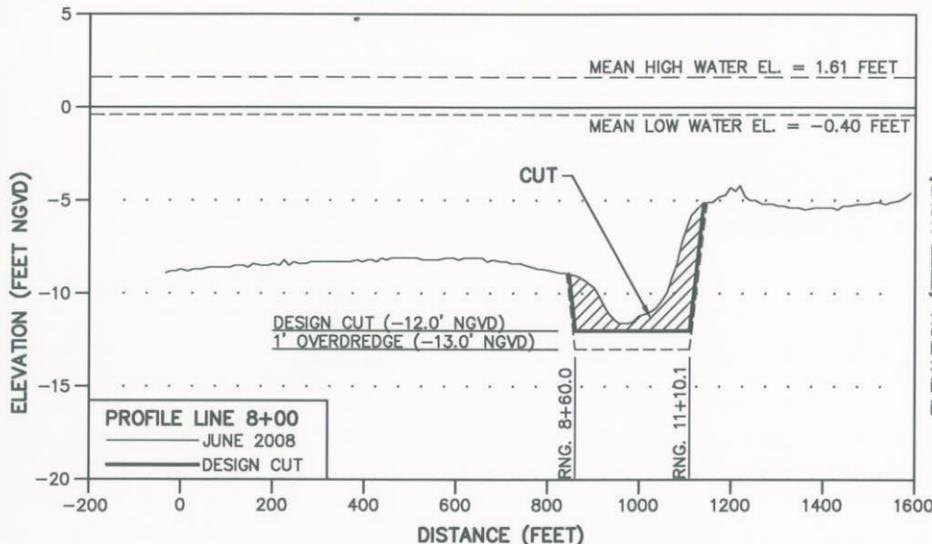
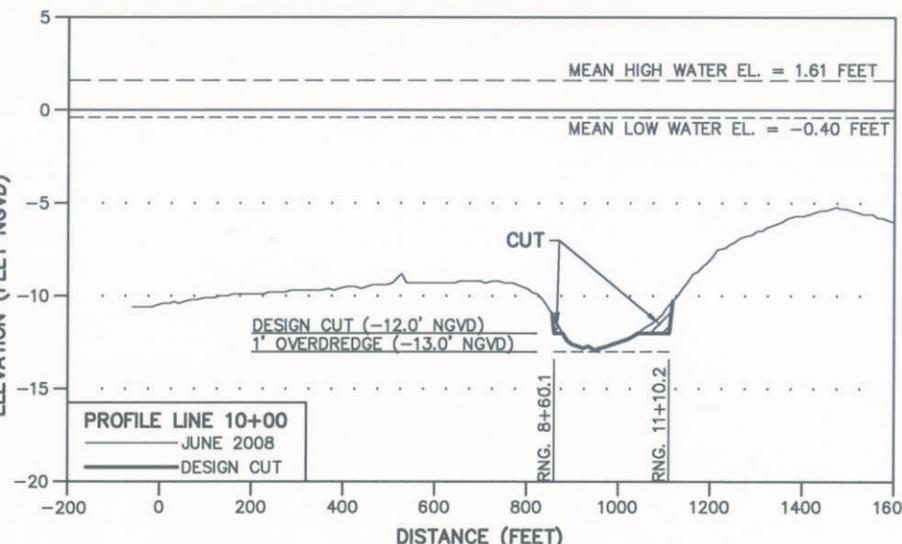
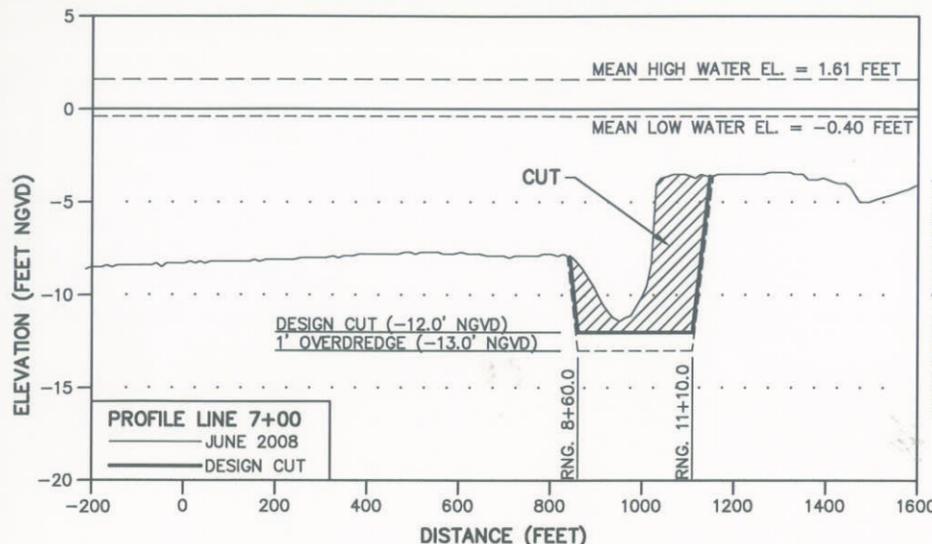
WIGGINS PASS
 MAINTENANCE DREDGING
 NAPLES, FLORIDA

OVERALL PROJECT PLAN VIEW

DRAWING NO.
PV-1

SHEET 3 OF 9

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REVISIONS	No.	Date	Description

Reference Files: 000035_000035.dwg	Designed by: SK	Checked by: AMB
Date: 8/14/08	Drawn by: JRC	Reviewed by: SK
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**WIGGINS PASS
 MAINTENANCE DREDGING
 NAPLES, FLORIDA**

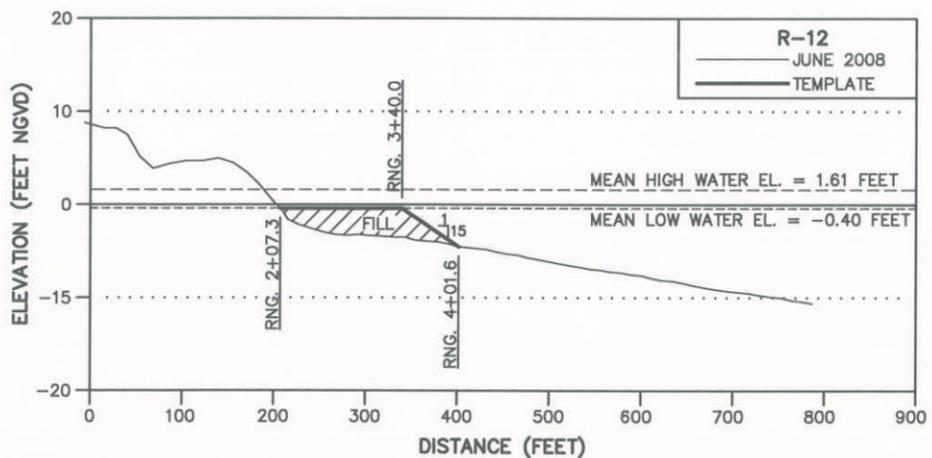
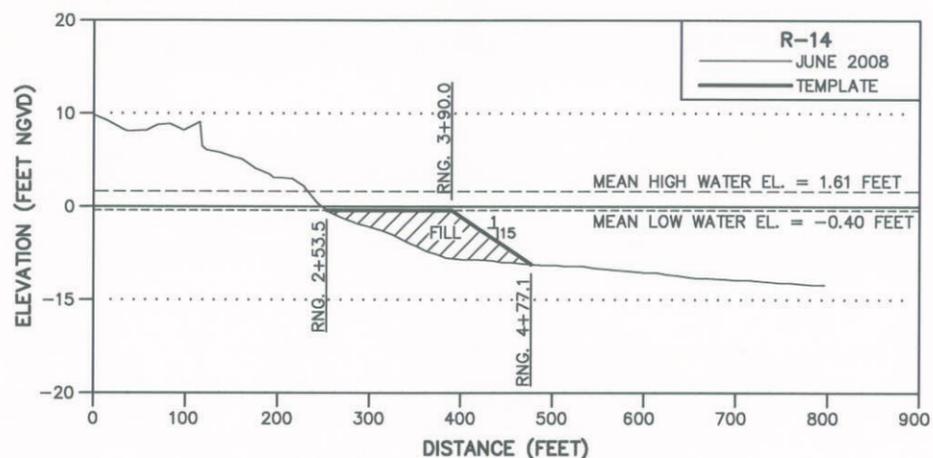
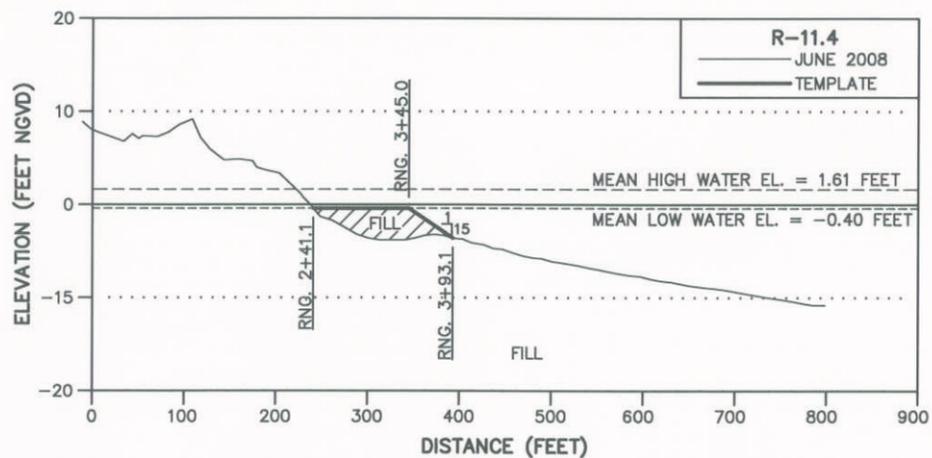
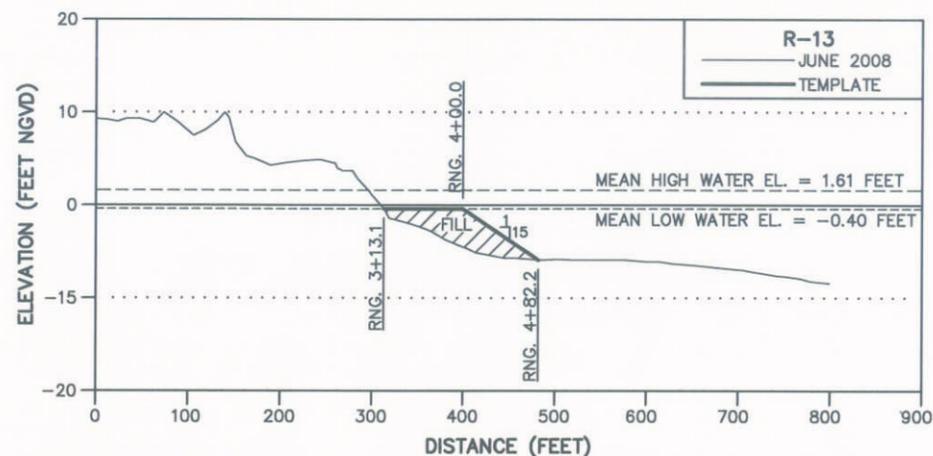
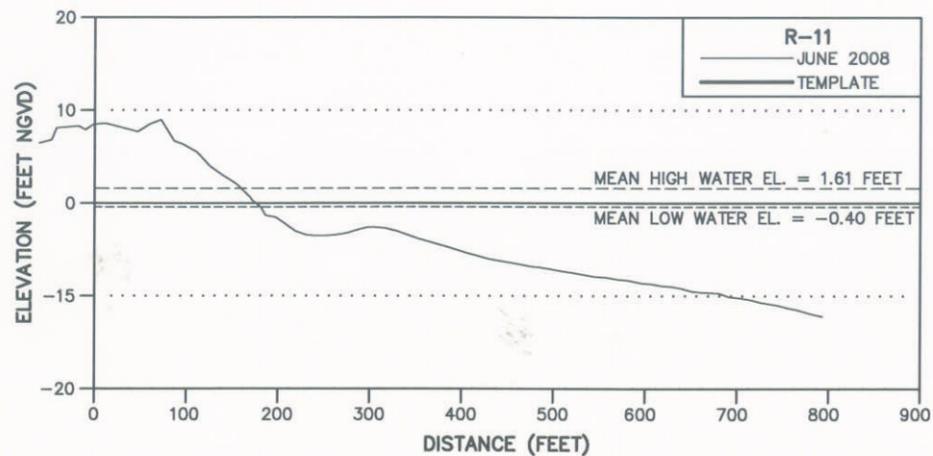
CHANNEL CROSS-SECTIONS

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STEPHEN KEEHN P.E. NO. 34857 _____ DATE _____

DRAWING NO.
PR-2

SHEET 7 OF 9



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Reference Files:
 8500_000000

**WIGGINS PASS
 MAINTENANCE DREDGING
 NAPLES, FLORIDA**
**PRIMARY (NORTH) SPOIL AREA
 PROFILES**

DRAWING NO.

SP-1

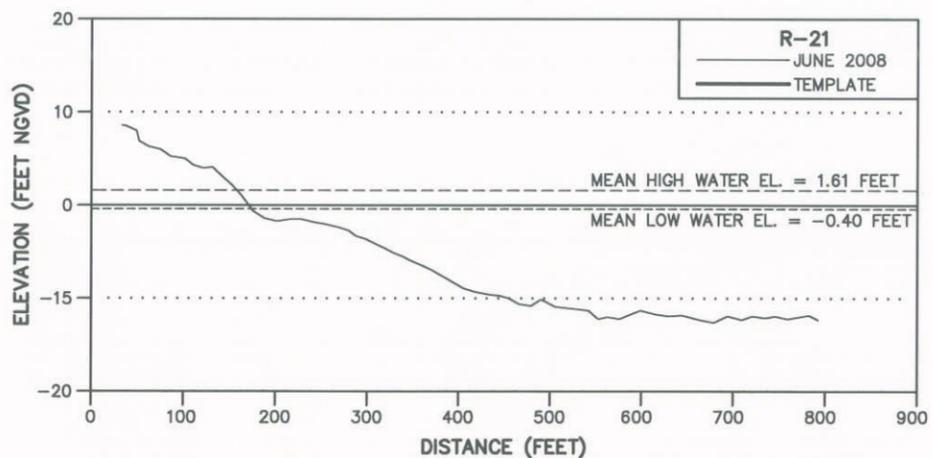
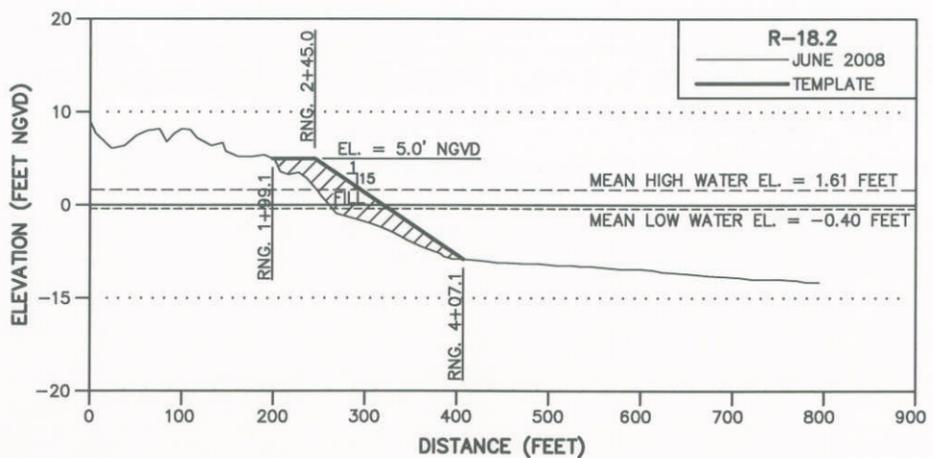
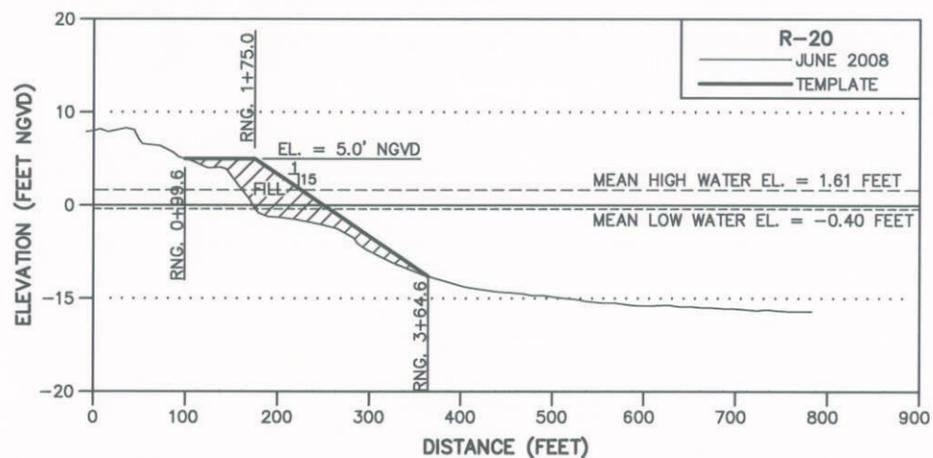
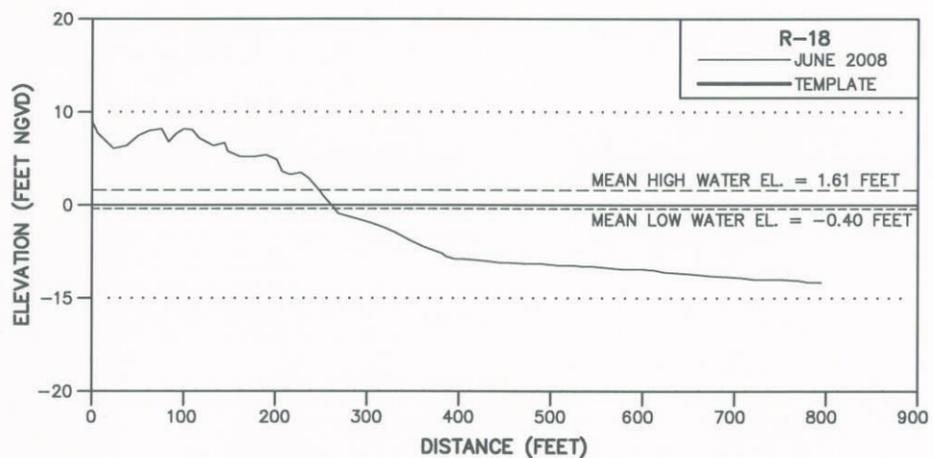
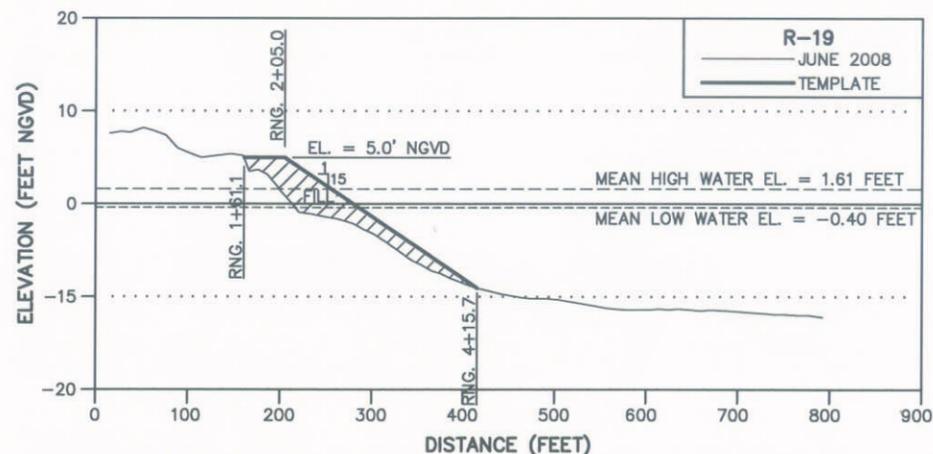
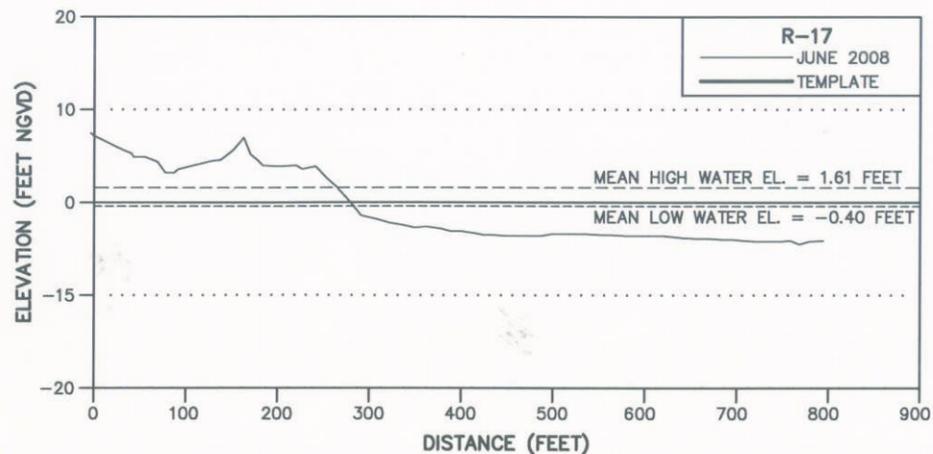
SHEET 8 OF 9

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 DATE

P:\cadd\080010 Wiggins and Doctors Passes Project\CAD\CONSTRUCTION\WIGGINS_PASS\85000000_LINPROF_AND_SPOIL_PROFILES.dwg - Sep 22, 2008 @ 4:02pm - rchase



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WIGGINS PASS
 MAINTENANCE DREDGING
 NAPLES, FLORIDA
 SECONDARY (SOUTH) SPOIL AREA
 PROFILES

DRAWING NO.

SP-2

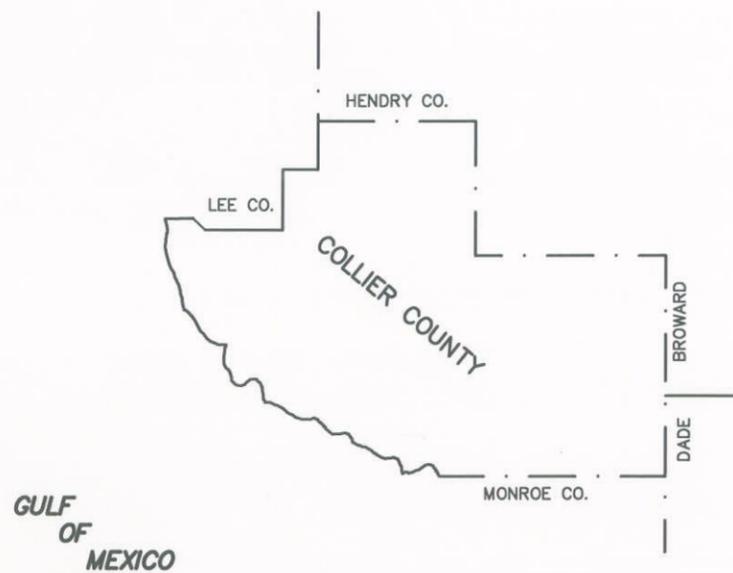
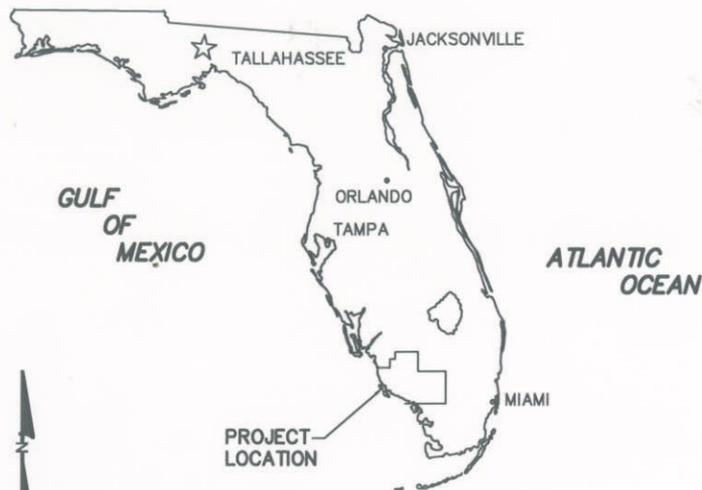
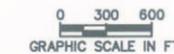
SHEET 9 OF 9

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DOCTORS PASS MAINTENANCE DREDGING NAPLES, FLORIDA



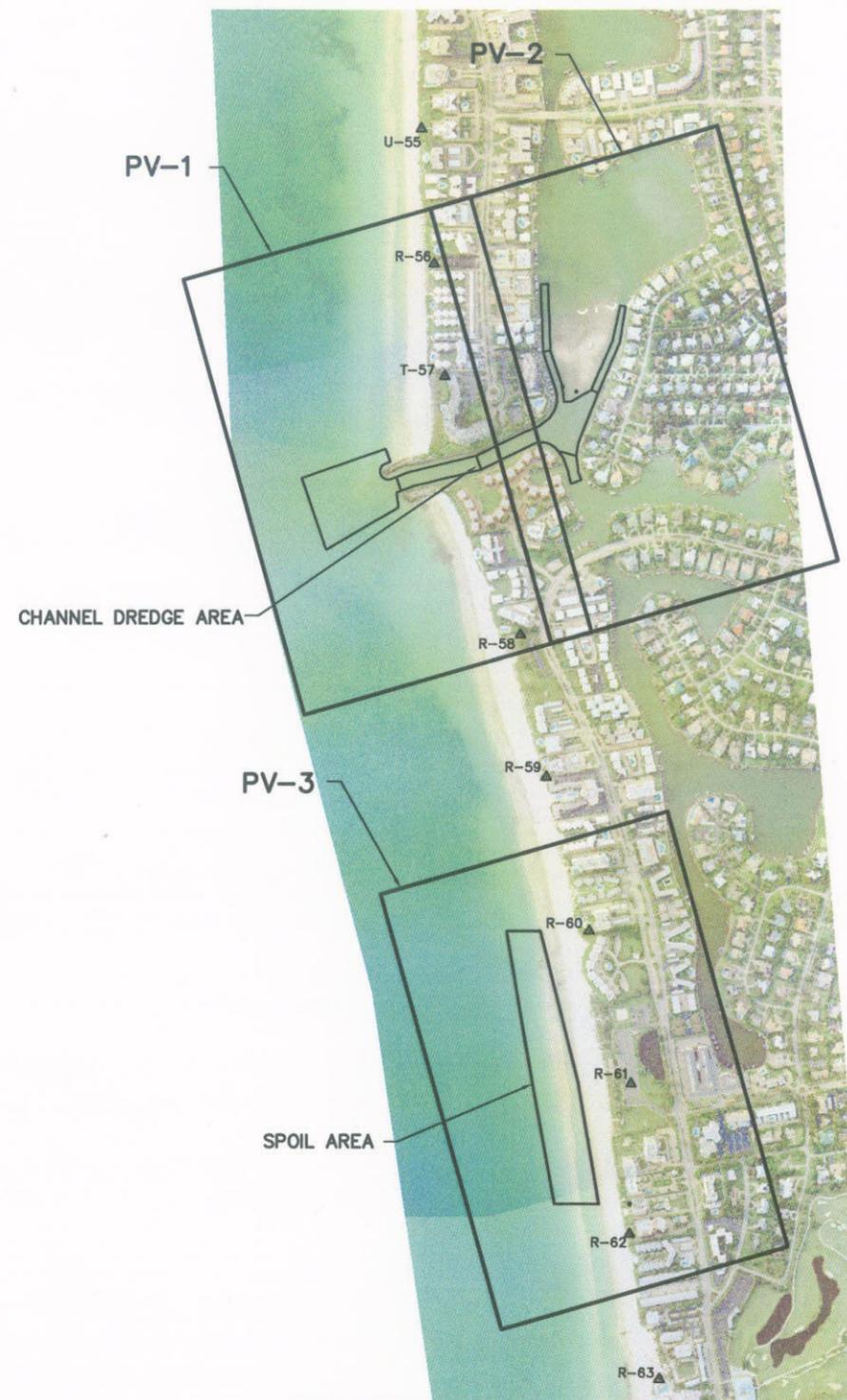
COLLIER COUNTY COMMISSION

DONA FIALA	DISTRICT 1
FRANK HALAS	DISTRICT 2
TOM HENNING	DISTRICT 3
FRED W. COYLE	DISTRICT 4
JIM COLETTA	DISTRICT 5

COASTAL ZONE MANAGEMENT DEPARTMENT
 COLLIER COUNTY GOVERNMENT
 3300 SANTA BARBARA BOULEVARD
 NAPLES, FLORIDA 34116
 PH. (239) 252-2966

INDEX TO SHEETS

1	COVER SHEET & PROJECT LOCATION MAP
2	CONTROL DATA SHEET
3-4	DOCTORS PASS DREDGING PLAN VIEWS
5	SPOIL AREA PLAN VIEW
6-7	CHANNEL CROSS-SECTIONS
8-9	DISPOSAL AREA CROSS-SECTIONS



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DOCTORS PASS
 MAINTENANCE DREDGING
 NAPLES, FLORIDA
 COVER SHEET &
 PROJECT LOCATION MAP

DRAWING NO.
CS-1
 SHEET 1 OF 9

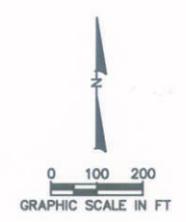
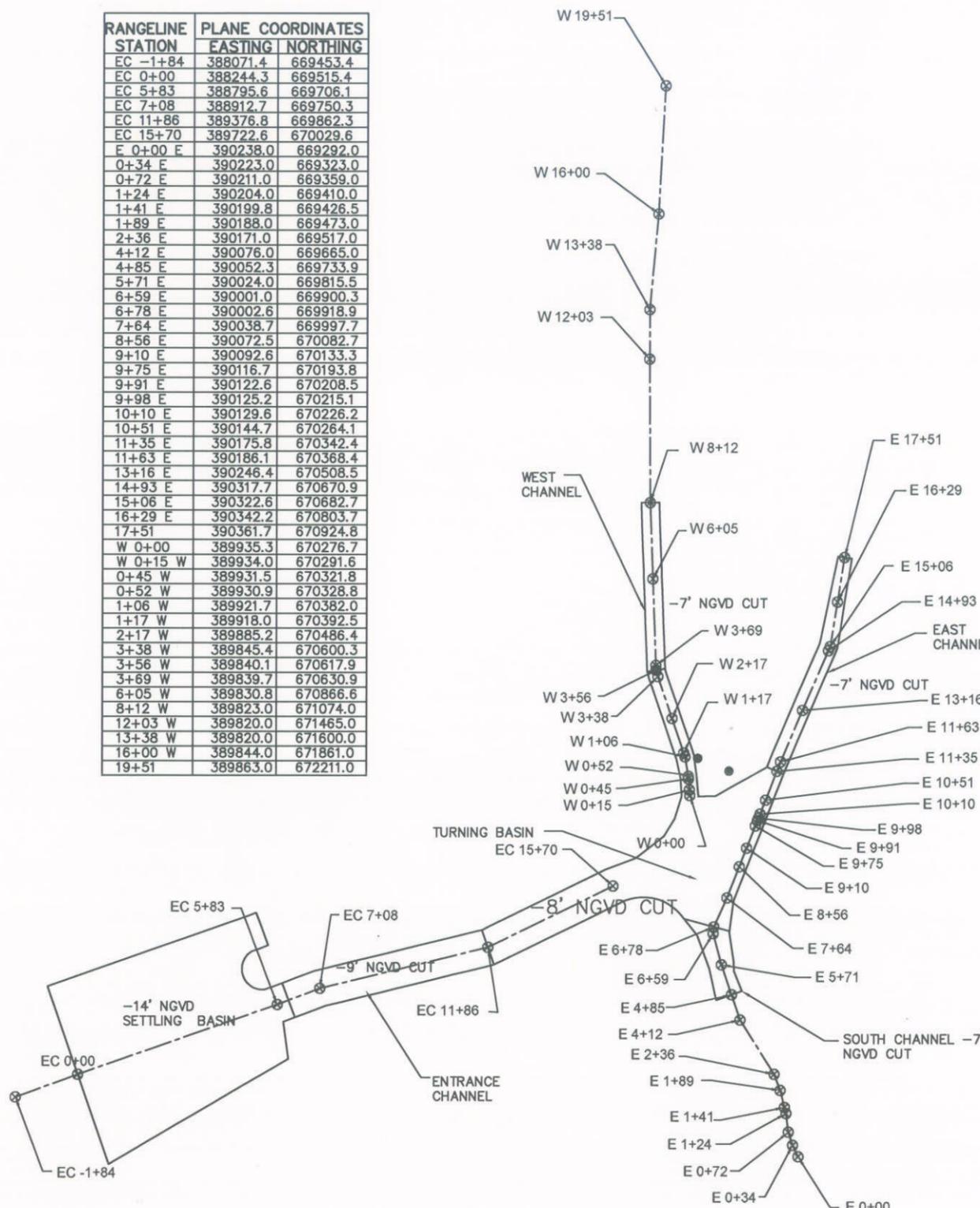
P:\Collier\8500.35 - Naples and Doctors Passes Project\Construction\DOCTORS_PASS\8500.35_CS-1_PV.dwg - Sep 22, 2008 @ 4:09pm - release

DEP GIVEN CONTROL

MON ID	M. DATE	NORTHING	EASTING	AZ
R-56	JAN1988	671211.8	389065.2	270.0
T-57	JUN1978	670447.6	389142.0	270.0
R-58	JAN1973	668693.6	389668.6	270.0
R-59	JAN1973	667728.9	389847.3	270.0
R-60	JAN1973	666685.1	390145.2	270.0
R61+816'		664832.2	390433.0	270.0
R-61	JAN1988	665648.5	390438.0	270.0
T-62	JUN1978	664628.1	390431.8	270.0

COORDINATES SHOWN HEREON ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983, (NAD 83).

RANGELINE STATION	PLANE COORDINATES EASTING	NORTHING
EC -1+84	388071.4	669453.4
EC 0+00	388244.3	669515.4
EC 5+83	388795.6	669706.1
EC 7+08	388912.7	669750.3
EC 11+86	389376.8	669862.3
EC 15+70	389722.6	670029.6
E 0+00 E	390238.0	669292.0
0+34 E	390223.0	669323.0
0+72 E	390211.0	669359.0
1+24 E	390204.0	669410.0
1+41 E	390199.8	669426.5
1+89 E	390188.0	669473.0
2+36 E	390171.0	669517.0
4+12 E	390076.0	669665.0
4+85 E	390052.3	669733.9
5+71 E	390024.0	669815.5
6+59 E	390001.0	669900.3
6+78 E	390002.6	669918.9
7+64 E	390038.7	669997.7
8+56 E	390072.5	670082.7
9+10 E	390092.6	670133.3
9+75 E	390116.7	670193.8
9+91 E	390122.6	670208.5
9+98 E	390125.2	670215.1
10+10 E	390129.6	670226.2
10+51 E	390144.7	670264.1
11+35 E	390175.8	670342.4
11+63 E	390186.1	670368.4
13+16 E	390246.4	670508.5
14+93 E	390317.7	670670.9
15+06 E	390322.6	670682.7
16+29 E	390342.2	670803.7
17+51 E	390361.7	670924.8
W 0+00	389935.3	670276.7
W 0+15 W	389934.0	670291.6
0+45 W	389931.5	670321.8
0+52 W	389930.9	670328.8
1+06 W	389921.7	670382.0
1+17 W	389918.0	670392.5
2+17 W	389885.2	670486.4
3+38 W	389845.4	670600.3
3+56 W	389840.1	670617.9
3+69 W	389839.7	670630.9
6+05 W	389830.8	670866.6
8+12 W	389823.0	671074.0
12+03 W	389820.0	671465.0
13+38 W	389820.0	671600.0
16+00 W	389844.0	671861.0
19+51 W	389863.0	672211.0



P:\Cadd\2008\08_10\New Business VI - 2.dwg - 10/27/08 - 10:00 AM

CERTIFICATION:
 I CERTIFY THAT THESE PLANS ARE IN COMPLIANCE WITH THE APPLICABLE SECTIONS OF 62B-41,F.A.C.

STEPHEN KEEHN P.E. NO. 34857 _____ DATE _____

COASTAL PLANNING & ENGINEERING, INC.
 PH. (561) 391-8102
 FAX (561) 391-9116
 C.O.A. FL. #4028
 C.O.A. LA. #2531

2481 N.W. BOCA RATON BOULEVARD
 BOCA RATON, FLORIDA 33431
 www.CoastalPlanning.net

DOCTORS PASS MAINTENANCE DREDGING NAPLES, FLORIDA CONTROL DATA

DRAWING NO. **CD-1**

SHEET 2 OF 9

No.	Date	Description

Designed by: SK	Checked by: AMB	Submitted by: SK	Comm. No.: 8500.55
Drawn by: JTC	Reviewed by: SK	Submitted by: SK	
Date: 8/14/08			
Plot Scale: AS NOTED			



LEGEND:

Δ T-57	FDEP MONUMENTS		AREA TO BE DREDGED
-5-	BATHYMETRIC CONTOUR		LIMIT OF POSSIBLE ROCK AREA
	2007 POTENTIAL HARDBOTTOM		

- NOTES:**
1. HYDROGRAPHIC SURVEY WAS PERFORMED ON FEBRUARY 2007 BY COASTAL PLANNING & ENGINEERING, INC.
 2. THE POTENTIAL HARDBOTTOM SHOWN ON THIS MAP REPRESENTS THE RESULTS OF THE CPE SIDESCAN SURVEY OF 2007.
 3. COORDINATES SHOWN HEREON ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983, (NAD 83).
 4. ELEVATIONS ARE IN FEET BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD-29).
 5. DATE OF AERIAL PHOTOGRAPH: JULY 13, 2007.

CERTIFICATION:
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STEPHEN KEEHN P.E. NO. 34857 _____ DATE _____

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REVISIONS	No.	Date	Description

Checked by:	AMB
Reviewed by:	SK
Submitted by:	SK
Comm. No.:	B500.35
Designed by:	SK
Drawn by:	JRC
Date:	8/14/08
Plot Scale:	PLAN VIEW

Reference Files:
 80000_80000.dwg

DOCTORS PASS
 MAINTENANCE DREDGING
 NAPLES, FLORIDA
 DOCTORS PASS DREDGING
 PLAN VIEW

DRAWING NO.
PV-1
 SHEET 3 OF 9

P:\Coastal\8000.35_Mainten and Dredging Plans\Project\Construction\DOCTORS_PASS_PV.dwg - Sep 22, 2008 @ 4:12pm - release



LEGEND:
 Δ T-57 FDEP MONUMENTS
 [Symbol] 2007 POTENTIAL HARDBOTTOM
 [Symbol] SPOIL AREA
 [Symbol] 2005 DISPOSAL PERMITTED AREA

NOTES:
 1. THE POTENTIAL HARDBOTTOM SHOWN ON THIS MAP REPRESENTS THE RESULTS OF THE CPE SIDESCAN SURVEY INTERPRETATION OF 2007.
 2. THE SPOIL SITE WAS DIVER SURVEYED ON APRIL 29, 2005 AND NO CORALS, SEAGRASSES OR SIGNIFICANT HABITAT WAS FOUND.
 3. COORDINATES SHOWN HEREON ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983, (NAD 83). ELEVATIONS ARE IN FEET BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD-29).
 4. DATE OF AERIAL PHOTOGRAPH: JULY 13, 2007.

CERTIFICATION:
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STEPHEN KEEHN P.E. NO. 34857 DATE

COASTAL PLANNING & ENGINEERING, INC.
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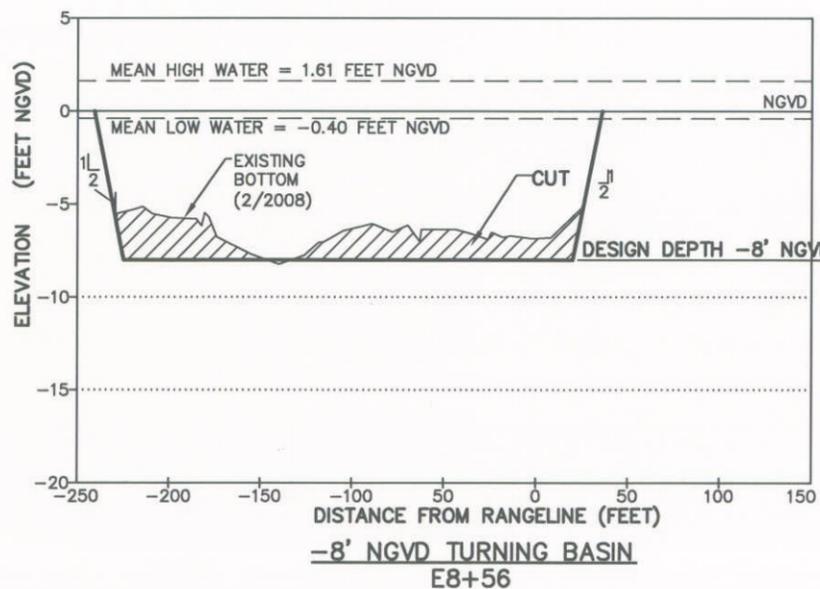
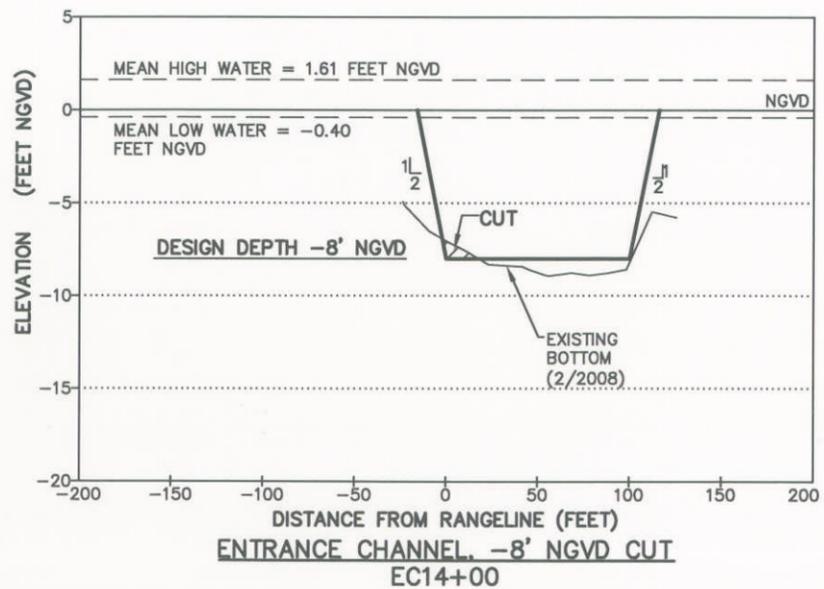
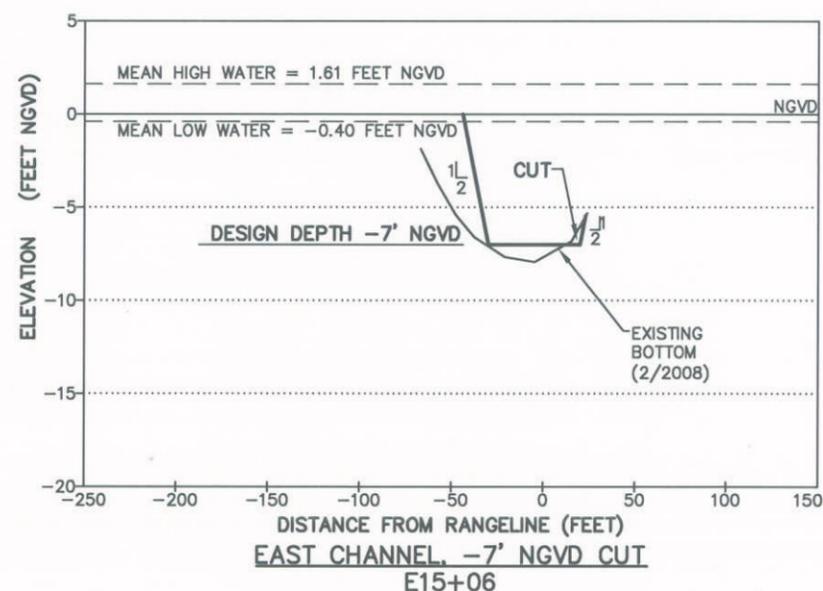
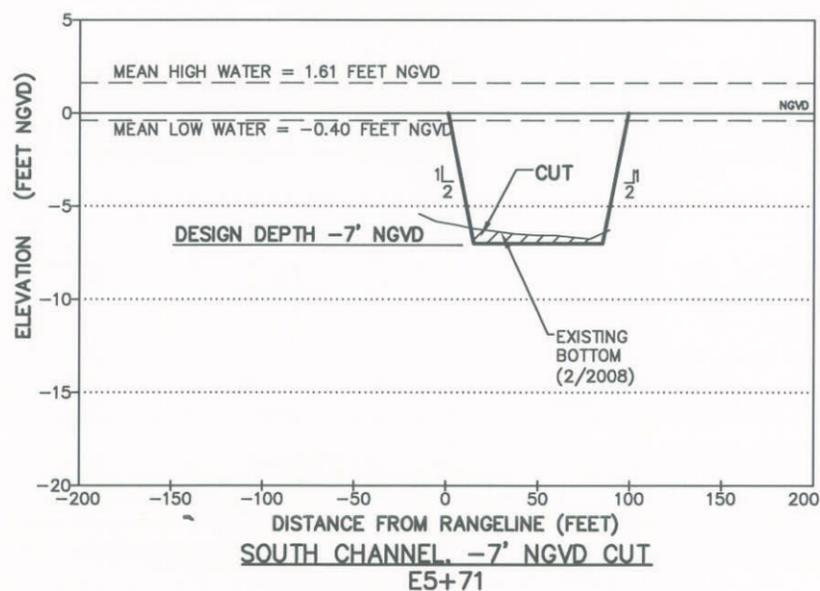
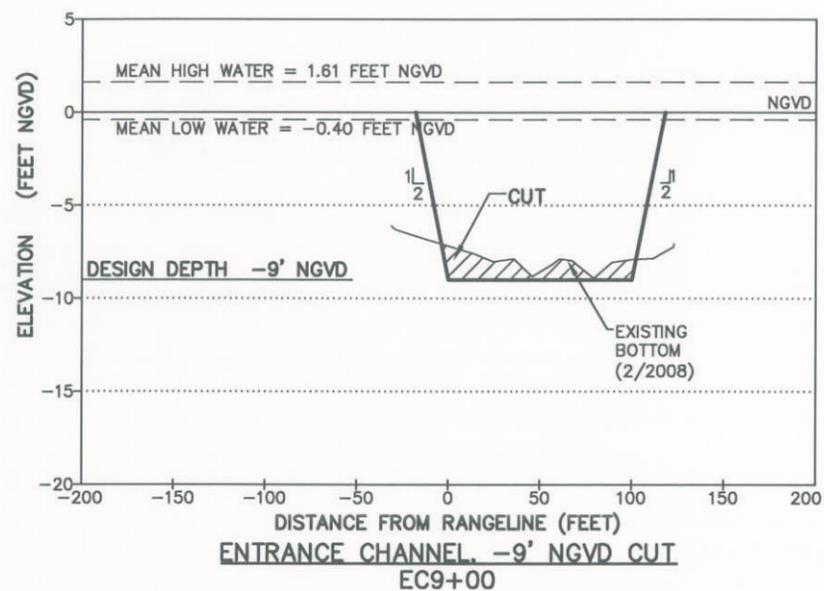
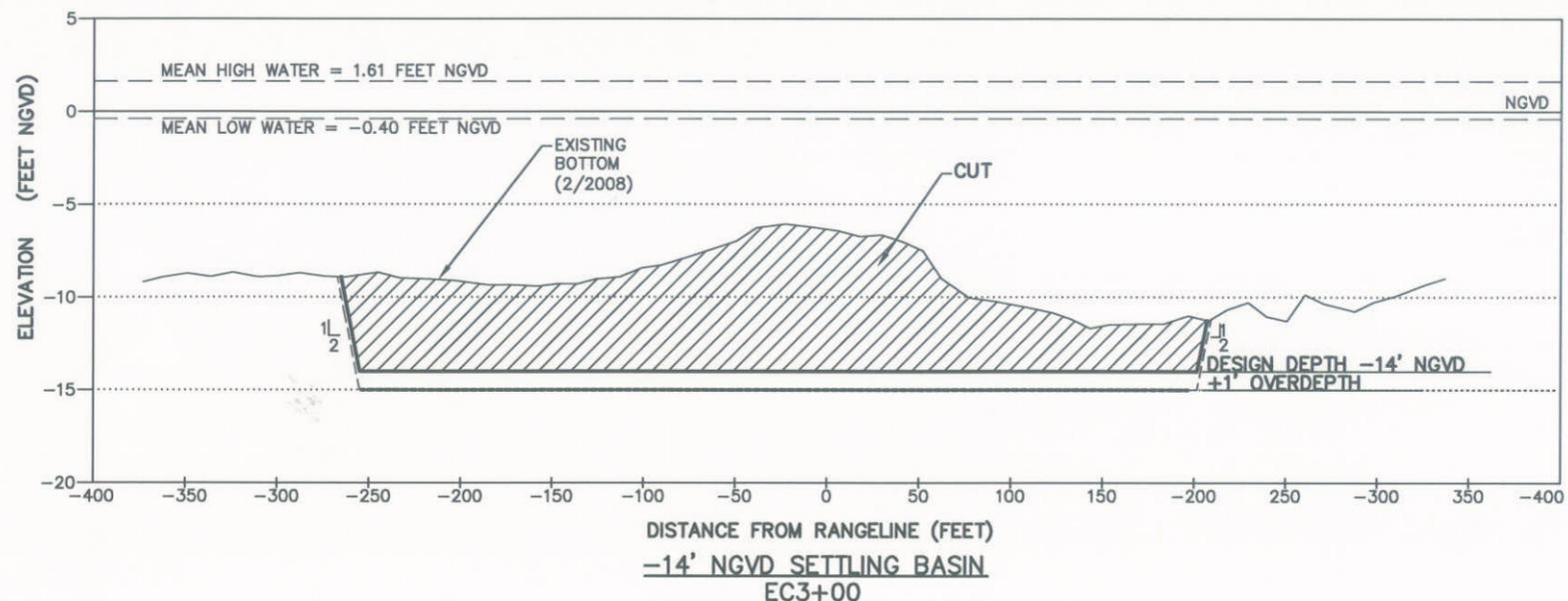


REVISIONS	
No.	Description

DOCTORS PASS
 MAINTENANCE DREDGING
 NAPLES, FLORIDA
 SPOIL SITE PLAN VIEW

DRAWING NO.
PV-3
 SHEET 5 OF 9

P:\Coastal\080035_Magnus and Doctors Passes Project\Coastal\CONSTRUCTION\DOCTORS_PASS\080035_DP_C2-PV.dwg - Sep 22, 2008 @ 4:10pm - rboone



CERTIFICATION:
 I CERTIFY THAT THESE PLANS ARE IN COMPLIANCE WITH THE
 APPLICABLE SECTIONS OF 62B-41,F.A.C.

STEPHEN KEEHN P.E. NO. 34857 _____ DATE _____

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 C.O.A. LA #2531



REVISIONS		Description	
No.	Date	No.	Date

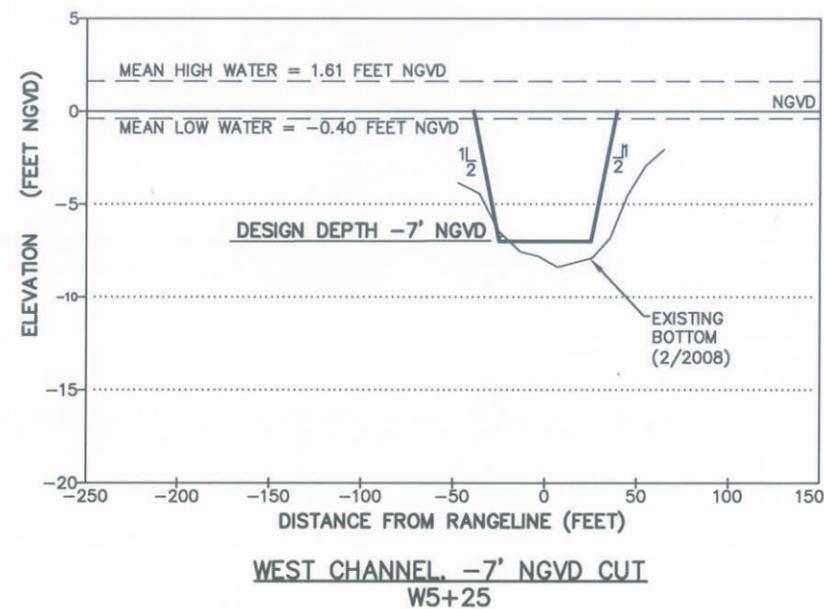
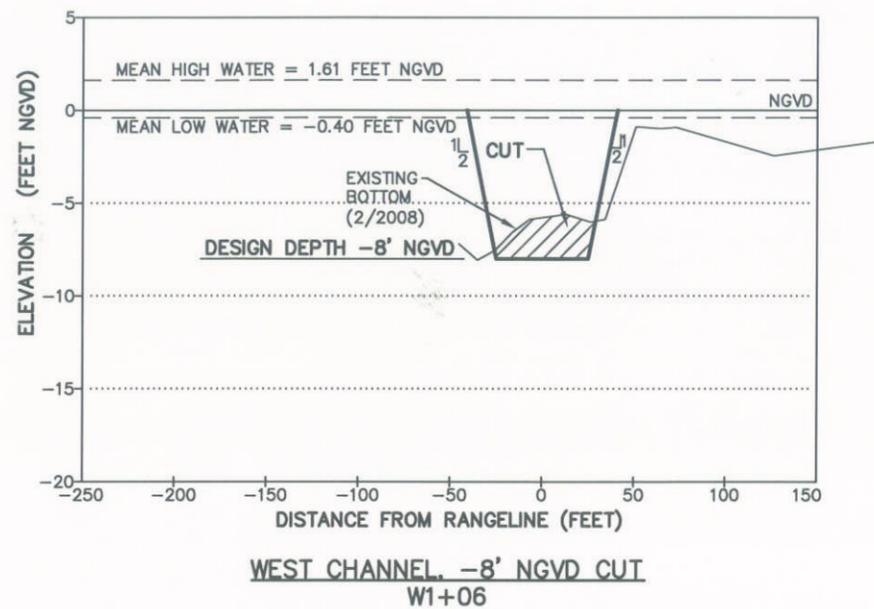
Designed by: SK	Checked by: AMB
Drawn by: JRC	Reviewed by: SK
Date: 8/14/08	Submitted by: SK
Plot Scale: AS NOTED	Gen'l. No.: B500135

Reference File:

DOCTORS PASS
 MAINTENANCE DREDGING
 NAPLES, FLORIDA
 CHANNEL CROSS-SECTIONS

DRAWING NO.
PR-1
 SHEET 6 OF 9

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 APPLICABLE SECTIONS OF 62B-41,F.A.C.

 STEPHEN KEEHN P.E. NO. 34857

 DATE

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REVISIONS	
No.	Description

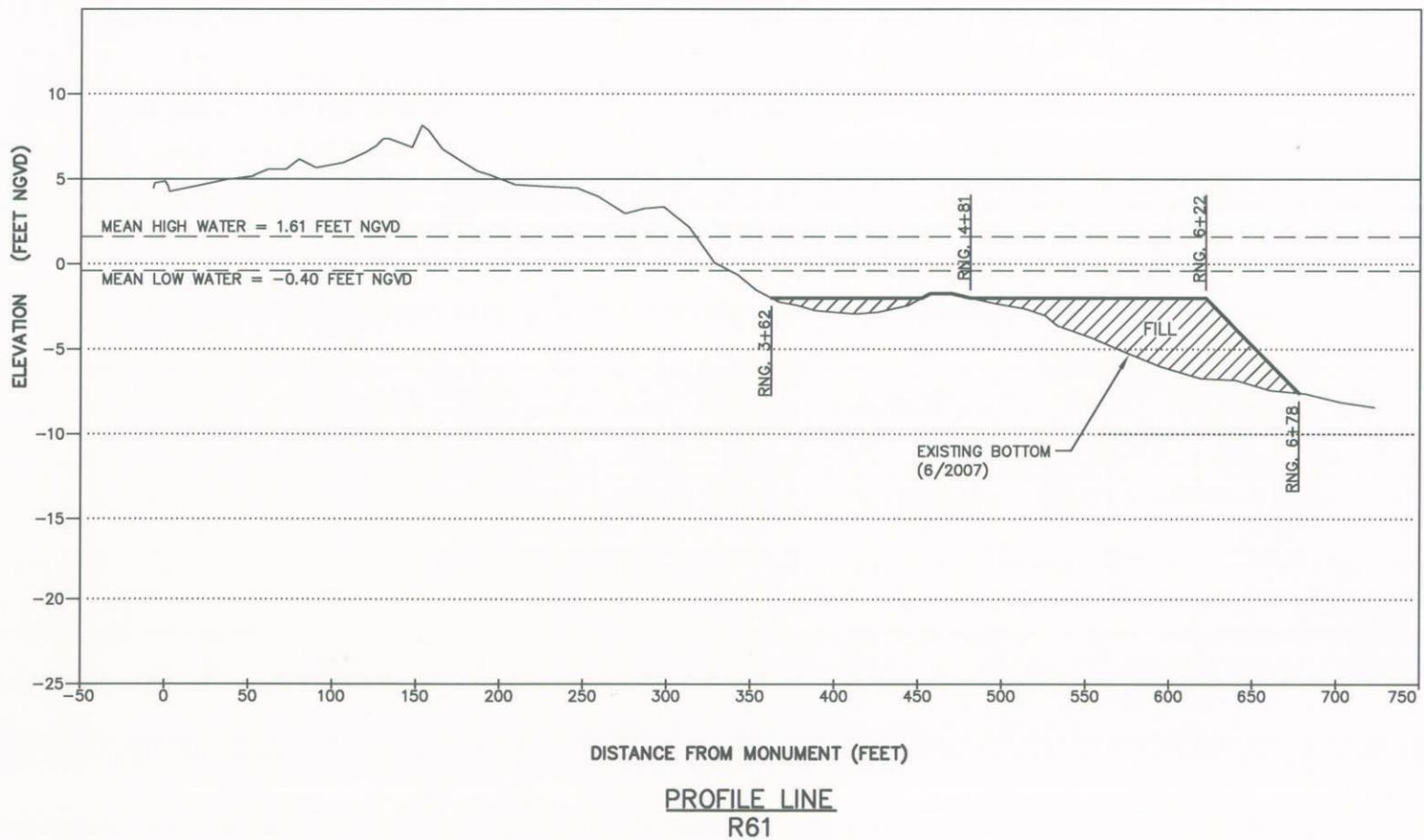
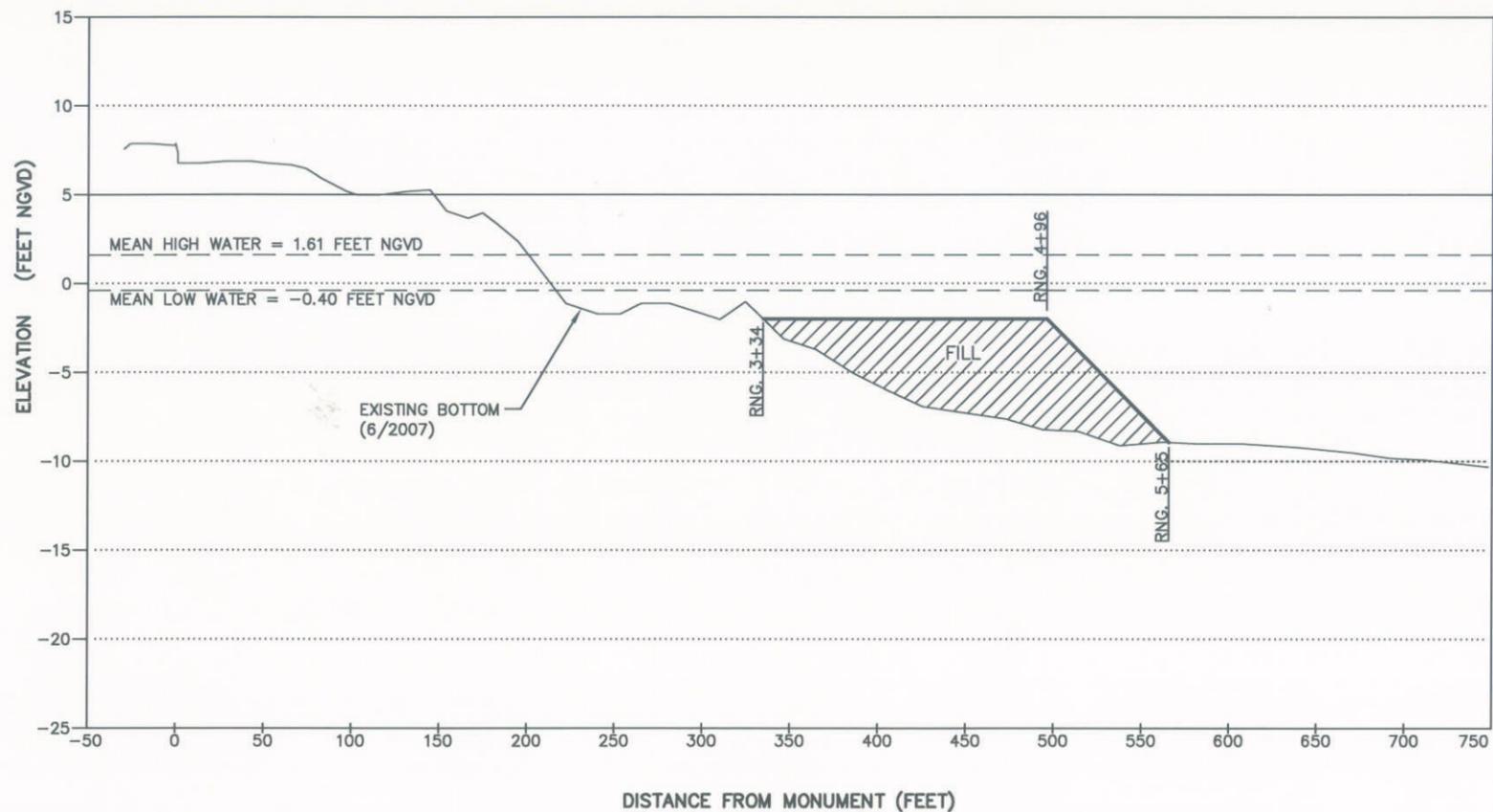
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Drawn by: JRC	Reviewed by: SK	Submitted by: SK
Date: 8/14/08	Comm. No.:	8500135
Proj. Scale: AS NOTED		

**DOCTORS PASS
 MAINTENANCE DREDGING
 NAPLES, FLORIDA**

WEST CHANNEL CROSS-SECTIONS

DRAWING NO.
PR-2

SHEET 7 OF 9



CERTIFICATION:
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STEPHEN KEEHN P.E. NO. 34857

DATE

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 C.O.A. LA #2531



REVISIONS	No.	Date	Description

Reference Files: 60000_00000000	Designed by: SK	Checked by: AMB
Date: 8/14/08	Drawn by: JRC	Reviewed by: SK
Plot Scale: AS NOTED	Submitted by: SK	Permit No.: 8500-55

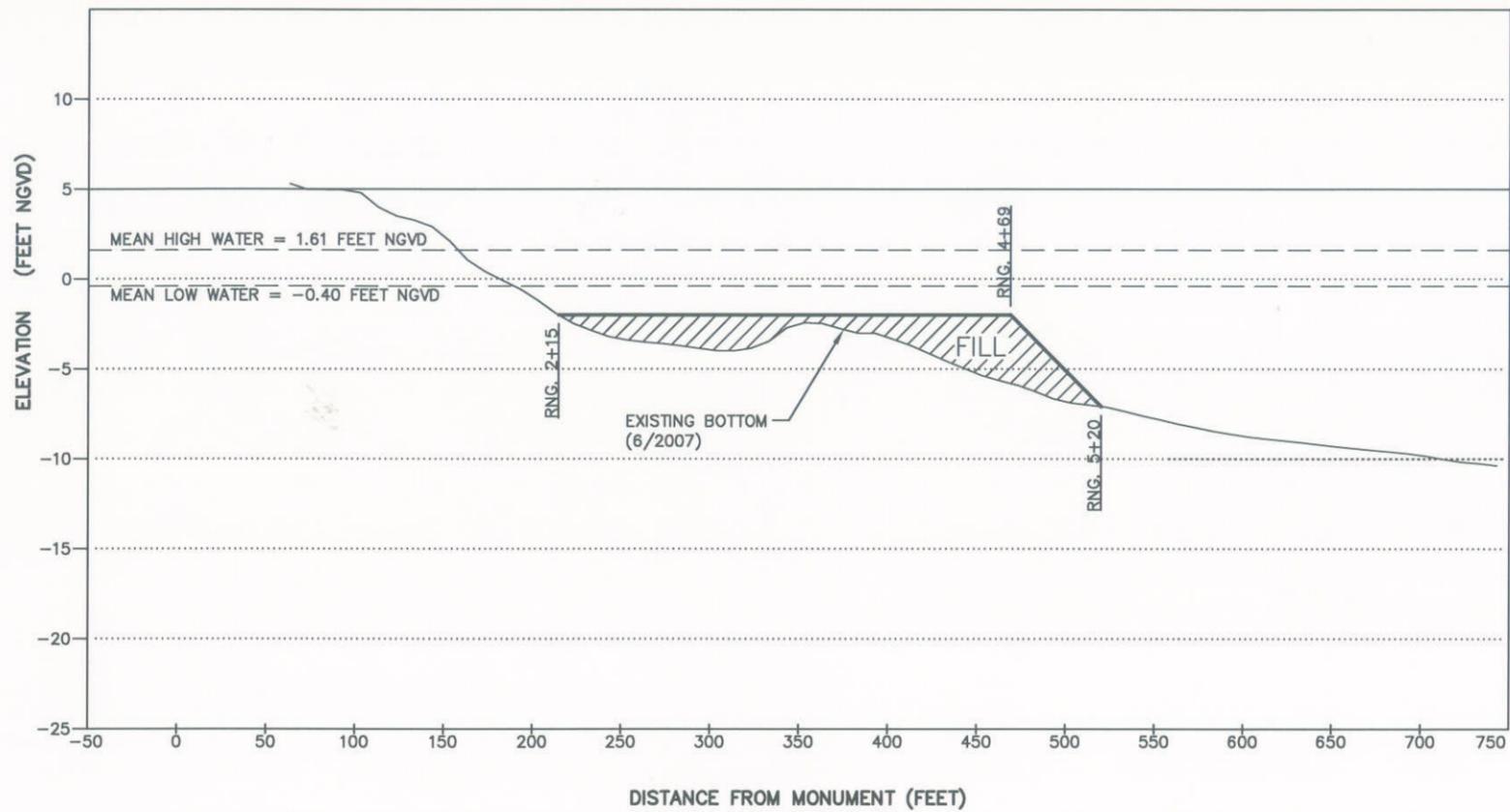
**DOCTORS PASS
 MAINTENANCE DREDGING
 NAPLES, FLORIDA**

DISPOSAL AREA CROSS-SECTIONS

DRAWING NO.
PR-3

SHEET 8 OF 9

P:\Cadd\6000.05\Wright and Doctors Passes Project\Draw\CONSTRUCTION\DOCTORS_PASS_600000_000000_000000_000000.dwg - Sep 22, 2008 @ 4:03pm - release



PROFILE LINE
 R61+816

P:\Coastal\6000.00 - Highgate and Doctors Passes Project\Construction\DOCTORS_PASS\6000.00_Channel_Dredging_08.dwg - Sep 22, 2008 @ 4:04pm - rkhassan

CERTIFICATION:
 I CERTIFY THAT THESE PLANS ARE IN COMPLIANCE WITH THE APPLICABLE SECTIONS OF 62B-41,F.A.C.

 STEPHEN KEEHN P.E. NO. 34857

 DATE

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REVISIONS	
No.	Description

Designed by: SK	Checked by: AMB
Drawn by: JRC	Reviewed by: SK
Date: 8/14/08	Submitted by: SK
Plot Scale: AS NOTED	Comm. No.: 8500.55

**DOCTORS PASS
 MAINTENANCE DREDGING
 NAPLES, FLORIDA**

DISPOSAL AREA CROSS-SECTIONS

DRAWING NO.
PR-4

SHEET 9 OF 9