



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
1520 ROYAL PALM SQUARE BLVD-SUITE 310
FORT MYERS, FL 33919

COPY

Regulatory Division
South Permits Branch/Fort Myers Section
SAJ-1996-02789 (NWP-WDD)

FEB 28 2013

Collier County c/o Pelican Bay Services Division
801 Laurel Oak Drive, Suite 605
Naples, FL 34108

Dear Sir or Madam:

Your application for a Department of the Army permit received on January 25, 2013, has been assigned number SAJ-1996-02789. A review of the information and drawings provided shows the proposed work referred to as Clam Pass Dredging includes the dredging of approximately 14,960 cubic yards of sand from Clam Pass and the tidal creek described as Segments A, B, & C in association with the following activities to restore tidal exchange into Clam Bay:

1. Using a combination of hydraulic and mechanical dredges, approximately 1,800 linear feet of Clam Pass basin and channel will be dredged between Stations 0+00 and 17+50. The proposed dredge template elevation is -5.8 feet North American Vertical Datum (NAVD). A 0.5-foot over-dredge allowance will be authorized. The profile of all dredge cuts will consist of a 1 vertical foot : 1 horizontal foot slope. All excavated and dredged beach compatible material will be loaded into all-terrain dump trucks using front end loaders, deposited within the fill template (Florida Department of Environmental Protection [DEP] reference monument R-39+733 feet to R-41, and R-42+180 feet to R-44+100 feet [total fill template is approximately 0.60 mile]), and graded using bulldozers or other appropriate grading equipment, to the permitted design fill profile (1 vertical foot : 10 horizontal feet slope with an elevation of +6.1 and +6.6 feet NAVD in the north and south fill template, respectively). Construction vehicles will either access the shoreline at one of two beach corridors located approximately 2.4 and 2 miles north and south of Clam Pass, respectively (Figures 3) or may be delivered directly to the site by barge. All sand placed within the fill template must be approved by the DEP and meet all requirements as outlined in the Florida Administrative Code subsection 62B-41.007. Although not anticipated, any non-beach compatible material will be stockpiled on the upland and ultimately disposed of landward of the Coastal Construction Control Line at the Collier County Landfill.

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The project is located within Clam Pass and Clam Bay, in Sections 8 and 9, Township 49 south, Range 25 east, Collier County, Florida. The Project area is located in the pass that connects to the Gulf of Mexico and the tidal creek portion of Clam Bay at latitude 26° 13'171" N and longitude 81° 49' 069" W.

Your project, as depicted on the enclosed drawings (Attachment A), is authorized by Nationwide Permit (NWP) Number 3. In addition, project specific conditions have been enclosed. This verification is valid until **March 18, 2017**. This verification is valid until the NWP is modified, reissued, or revoked. It is incumbent upon you to remain informed of changes to the NWPs. We will issue a public notice when the NWPs are issued. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant nationwide permit is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this nationwide permit. Please access the U.S. Army Corps of Engineers' (Corps) Jacksonville District's Regulatory webpage to access web links to view the Final Nationwide Permits, Federal Register Vol. 77, dated February 21, 2012, specifically pages 10270 – 10290, the Corrections to the Final Nationwide Permits, Federal Register 77, March 19, 2012, and the List of Regional Conditions. The website address is as follows:

<http://www.saj.usace.army.mil/Divisions/Regulatory/sourcebook.htm>.

Please be aware this web address is case sensitive and should be entered as it appears above. Once there you will need to click on "Nationwide Permits." These files contain the description of the Nationwide Permit authorization, the Nationwide Permit general conditions, and the regional conditions, which apply specifically to this verification for NWP 3. Enclosed is a list of the six General Conditions, which apply to all Department of the Army authorizations. You must comply with all of the special and general conditions and any project specific condition of this authorization or you may be subject to enforcement action. In the event you have not completed construction of your project within the specified time limit, a separate application or re-verification may be required.

The following special conditions are included with this verification:

1. **Reporting Address:** All reports, documentation and correspondence required by the conditions of this permit shall be submitted to: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, 1520 Royal Palm Square Boulevard, Suite 310, Fort Myers, FL 33919. The Permittee shall reference this permit number, SAJ-1996-02789, on all submittals.

2. **Commencement Notification:** Within 10 days from the date of initiating the authorized work, the Permittee shall provide to the Corps a written notification of the date of commencement of work authorized by this permit.
3. **Cultural Resources/Historic Properties:**
 - a. No structure or work shall adversely affect impact or disturb properties listed in the National Register of Historic Places (NRHP) or those eligible for inclusion in the NRHP.
 - b. If during the ground disturbing activities and construction work within the permit area, there are archaeological/cultural materials encountered which were not the subject of a previous cultural resources assessment survey (and which shall include, but not be limited to: pottery, modified shell, flora, fauna, human remains, ceramics, stone tools or metal implements, dugout canoes, evidence of structures or any other physical remains that could be associated with Native American cultures or early colonial or American settlement), the Permittee shall immediately stop all work in the vicinity and notify the Corps. The Corps shall then notify the Florida State Historic Preservation Officer (SHPO) and the appropriate Tribal Historic Preservation Officer(s) (THPO(s)) to assess the significance of the discovery and devise appropriate actions.
 - c. A cultural resources assessment may be required of the permit area, if deemed necessary by the SHPO, THPO(s), or Corps, in accordance with 36 CFR 800 or 33 CFR 325, Appendix C (5). Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume on non-federal lands without written authorization from the SHPO and the Corps.
 - d. In the unlikely event that unmarked human remains are identified on non-federal lands, they will be treated in accordance with Section 872.05 Florida Statutes. All work in the vicinity shall immediately cease and the Permittee shall immediately notify the medical examiner, Corps, and State Archeologist. The Corps shall then notify the appropriate SHPO and THPO(s). Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume without written authorization from the State Archeologist, SHPO and the Corps.

- e. In the unlikely event that human remains are encountered on federal or tribal lands, or in situations where Archaeological Resources Protection Act of 1979, or Native American Graves Protection Repatriation Act of 1990 applies, all work in the vicinity shall immediately cease and the Permittee immediately notify the Corps. The Corps shall then notify the appropriate THPO(s) and SHPO. Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend or revoke the permit in accordance with 33 CFR Part 325.7. After such notification, project activities on federal lands shall not resume without written authorization from the Corps, and/or appropriate THPO(s), SHPO, and federal manager. After such notification, project activities on tribal lands shall not resume without written authorization from the appropriate THPO(s) and the Corps.
4. **Erosion Control:** Prior to the initiation of any work authorized by this permit, the Permittee shall install erosion control measures along the perimeter of all work areas to prevent the displacement of fill material outside the work area. Immediately after completion of the final grading of the land surface, all slopes, land surfaces, and filled areas shall be stabilized using sod, degradable mats, barriers, or a combination of similar stabilizing materials to prevent erosion. The erosion control measures shall remain in place and be maintained until all authorized work has been completed and the site has been stabilized.
5. **Fill Material:** The Permittee shall use only clean fill material for this project. The fill material shall be free from items such as trash, debris, automotive parts, asphalt, construction materials, concrete block with exposed reinforcement bars, and soils contaminated with any toxic substance, in toxic amounts in accordance with Section 307 of the Clean Water Act.
6. **Self-Certification:** Within 60 days of completion of the authorized work or at the expiration of the construction window of this permit, whichever occurs first, the Permittee shall complete the attached "Self-Certification Statement of Compliance" form and submit to the Corps at Regulatory Division, Enforcement Section, 1520 Royal Palm Square Boulevard, Fort Myers, FL 33919. In the event that the completed work deviates, in any manner, from the authorized work, the Permittee shall describe, on the Self-Certification Form, the deviations between the work authorized by the permit and the work as constructed. Please note that the description of

any deviations on the Self-Certification Form does not constitute approval of any deviations by the Corps.

7. **Regulatory Agency Changes:** Should any other regulatory agency require changes to the work authorized or obligated by this permit, the Permittee is advised that a modification to this permit instrument is required prior to initiation of those changes. It is the Permittee's responsibility to request a permit modification from the Fort Myers Regulatory Office.
8. **Manatee Protection Measures:** The Permittee shall comply with the *Standard Manatee Conditions for In-Water Work*, FWC 2011. (Attachment C).
9. **Biological Opinion (BO):** This Corps permit does not authorize the Permittee to take an endangered species, in particular the piping plover (*Charadrius melodus*). In order to legally take a listed species, the Permittee must have separate authorization under the Endangered Species Act (ESA) (e.g., an ESA Section 10 permit, or a BO under ESA Section 7, with "incidental take" provisions with which the Permittee must comply). The enclosed US Fish and Wildlife Service (FWS) Biological Opinion (BO) (Attachment D) contains mandatory terms and conditions to implement the reasonable and prudent measures that are associated with "incidental take" that is also specified in the BO. Authorization under this Corps permit is conditional upon compliance with all of the mandatory terms and conditions associated with incidental take of the attached BO, which terms and conditions are incorporated by reference in this permit. Failure to comply with the terms and conditions associated with incidental take of the BO, where a take of the listed species occurs, would constitute an unauthorized take, and it would also constitute non-compliance with this Corps permit. The FWS is the appropriate authority to determine compliance with the terms and conditions of its BO, and with the ESA.
10. **Statewide Programmatic Biological Opinion (SPBO):** The Permittee shall comply with the endangered/threatened nesting sea turtles (*Chelonia mydas*, *Eretmochelys imbricata*, *Lepidochelys kempii*, *Dermochelys coriacea*, *Caretta caretta*) and endangered West Indian manatee (*Trichechus manatus*) Reasonable and Prudent Measures and Terms and Conditions in Section A of the US Fish and Wildlife Service's SPBO dated August 22, 2011. (Attachment E)

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Clam Pass Maintenance Dredge

11. **Dredging:** The Permittee shall dredge the area from station 1+00 through station 0+00 as the final portion of the operation and shall also conduct these dredging operations at low tide.
12. **Dredge Placement:** As this project is to restore the tidal exchange into Clam Bay and not for beach renourishment, the Permittee shall place all dredge material above the mean high water line.

This letter does not give absolute Federal authority to perform the work as specified on your application. The proposed work may be subject to local building restrictions mandated by the National Flood Insurance Program. You should contact your local office that issues building permits to determine if your site is located in a flood-prone area, and if you must comply with the local building requirements mandated by the National Flood Insurance Program.

If you are unable to access the internet or require a hardcopy of any of the conditions, limitations, or expiration date for the above referenced NWP, please contact William DeFrance by telephone at 239-334-1975 extension 23.

Thank you for your cooperation with our permit program. The Corps Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to take a few minutes to visit the following link and complete our automated Customer Service Survey: <http://regulatory.usacesurvey.com/>. Your input is appreciated – favorable or otherwise.

Sincerely,



William DeFrance
Project Manager

Enclosures

Copy Furnished:

Turrell, Hall & Associates, Inc.

GENERAL CONDITIONS
33 CFR PART 320-330

PUBLISHED FEDERAL REGISTER DATED 13 NOVEMBER 1986

1. The time limit for completing the work authorized ends on **date identified in the letter**. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow a representative from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

SAJ-1996-02789
Clam Pass Maintenance Dredge

***Attachments to Department of the Army
Nationwide Verification-3 Number SAJ-1996-02789***

ATTACHMENT A – PERMIT DRAWINGS: 13 pages, dated 02/25/13.

ATTACHMENT B – ORIGINAL PERMIT/MODIFICATION DRAWINGS: 2/7 pages.

ATTACHMENT C – STANDARD MANATEE CONDITIONS FOR IN-WATER WORK 2011: 2 pages.

ATTACHMENT D – BIOLOGICAL OPIONON: 68 pages.

ATTACHMENT E – STATEWIDE PROGRAMMATIC BIOLOGICAL OPINION (excerpt): 22 pages

ATTACHMENT F – SELF-CERTIFICATION STATEMENT OF COMPLIANCE: 1 page.

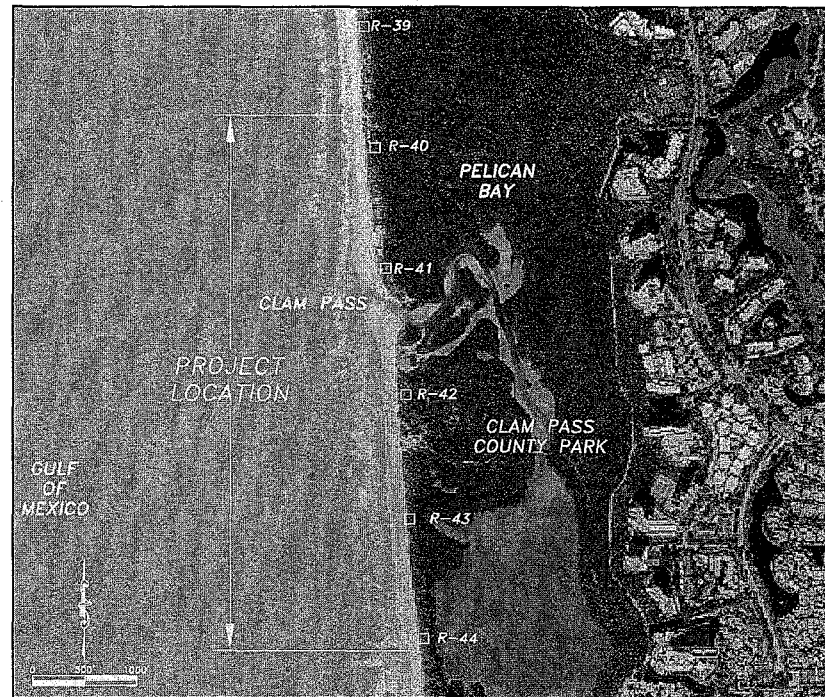
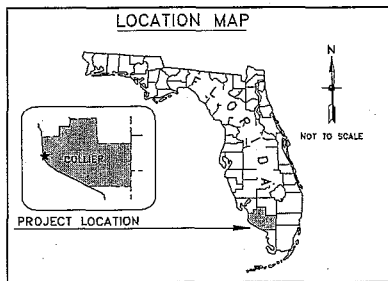
ATTACHMENT G – PERMIT TRANSFER REQUEST: 1 page.

SAJ-1996-02789
Clam Pass Maintenance Dredge

ATTACHMENT A

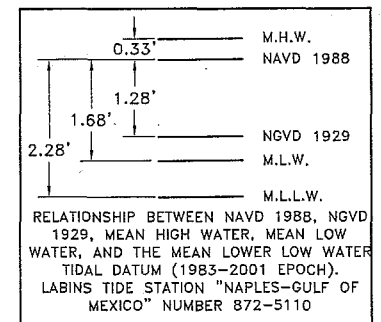
Permit Drawings

CONSTRUCTION PLANS CLAM PASS MAINTENANCE DREDGING COLLIER COUNTY, FLORIDA



SHEET INDEX

1. COVER SHEET AND LOCATION MAP
2. SITE PLAN WITH CONSTRUCTION ACCESS
3. SITE PLAN - DREDGE & FILL
4. SITE PLAN - DREDGE & FILL
5. TYPICAL INLET CROSS SECTION - DREDGE
6. CROSS SECTIONS - DREDGE
7. CROSS SECTIONS - DREDGE
8. CROSS SECTIONS - DREDGE
9. CROSS SECTIONS - DREDGE
10. CROSS SECTIONS - DREDGE
11. CROSS SECTIONS - DREDGE
12. CROSS SECTIONS - BEACH FILL
13. STATION CONTROL - DREDGE & FILL VOLUME



NOTES:

1. AERIAL PHOTOGRAPHS WERE TAKEN IN JANUARY 2012 AND PROVIDED COURTESY OF COLLIER COUNTY PROPERTY APPRAISER'S OFFICE.
2. COORDINATES SHOWN ARE IN FEET BASED ON THE NORTH AMERICAN DATUM OF 1983, EAST ZONE (NAD83).
3. ELEVATIONS SHOWN ARE IN FEET BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. NOTE: THESE PERMIT DRAWINGS SHALL NOT BE CONSIDERED VALID FOR CONSTRUCTION PURPOSES UNLESS SIGNED AND SEALED BY EITHER:

BRETT D. MOORE, P.E. #37326
KENNETH K. HUMISTON, P.E. #23326
MOHAMED DABEES, P.E. #58005
MARC DAMON, P.E. #70615

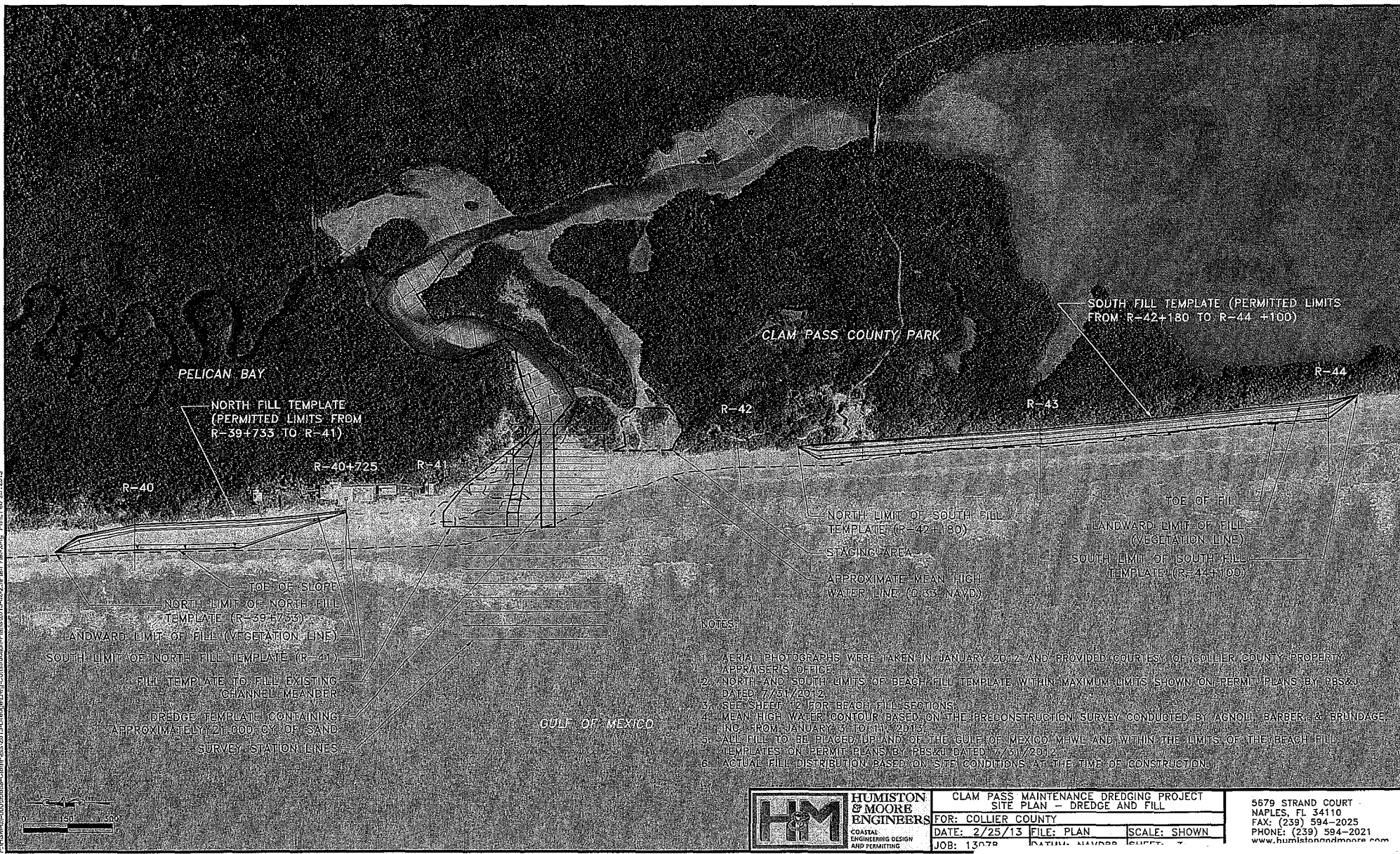
	HUMISTON & MOORE ENGINEERS		CLAM PASS MAINTENANCE DREDGING PROJECT COVER SHEET & LOCATION MAP	
	COASTAL ENGINEERING DESIGN AND PERMITTING	FOR: COLLIER COUNTY	DATE: 2/25/13	FILE: PLAN
		JOB: 13079	SCALE: SHOWN	

5679 STRAND COURT
NAPLES, FL 34110
FAX: (239) 594-2025
PHONE: (239) 594-2021
www.humistonandmoore.com

Army Corps of Engineers
File #: SAJ-1996-02789
Date: 2/25/13



P:\HAM\05-000\05088-Clam Pass\2013\Drawings\Clam Pass\2013-02-25\Plan View.dwg Plot File: 25_2013



Army Corps of Engineers
 File #: SAJ-1996-02789
 Date: 2/25/13

DREDGE TEMPLATE CONTROL INFORMATION		
STATION	EASTING	NORTHING
ID	(FEET)	(FEET)
A	387864.9	686400.0
B	388228.4	686403.3
C	388259.0	686417.9
D	388350.3	686458.6
E	388449.4	686483.1
F	388498.3	686488.3
G	388536.6	686523.6
H	388458.5	686715.1
I	388487.4	686823.3
J	388655.8	686881.5
K	388752.6	686915.7
L	388785.5	686876.9
M	388854.0	686743.3
N	388807.6	686716.7
O	388718.8	686781.2
P	388694.0	686826.7
Q	388584.4	686753.9
R	388600.7	686734.1
S	388617.7	686686.0
T	388614.4	686635.1
U	388591.3	686581.6
V	388573.2	686528.7
W	388559.4	686478.0
X	388520.4	686438.9
Y	388483.5	686404.2
Z	388444.5	686368.7
AA	388405.4	686333.2
BB	388368.4	686316.1
CC	388314.9	686290.7
DD	388228.9	686356.2
EE	387864.9	686356.0



- NOTES:
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 3. ELEVATIONS SHOWN ARE IN FEET BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVDS88).
 4. NORTH AND SOUTH LIMITS OF BEACH FILL TEMPLATE WITHIN MAXIMUM LIMITS SHOWN ON PERMIT PLANS BY PBS&J DATED 7/31/2012.
 5. CONTOURS BASED ON THE PRECONSTRUCTION SURVEY CONDUCTED BY AGNOLI, BARBER, & BRUNDAGE, INC. FROM JANUARY 3 TO 15, 2013.
 6. MARKERS OUTSIDE OF THE IMMEDIATE PROJECT AREA NOT SHOWN.
 7. DREDGE TO MAINTAIN A MINIMUM BUFFER OF 5' FROM MANGROVE ROOTS.

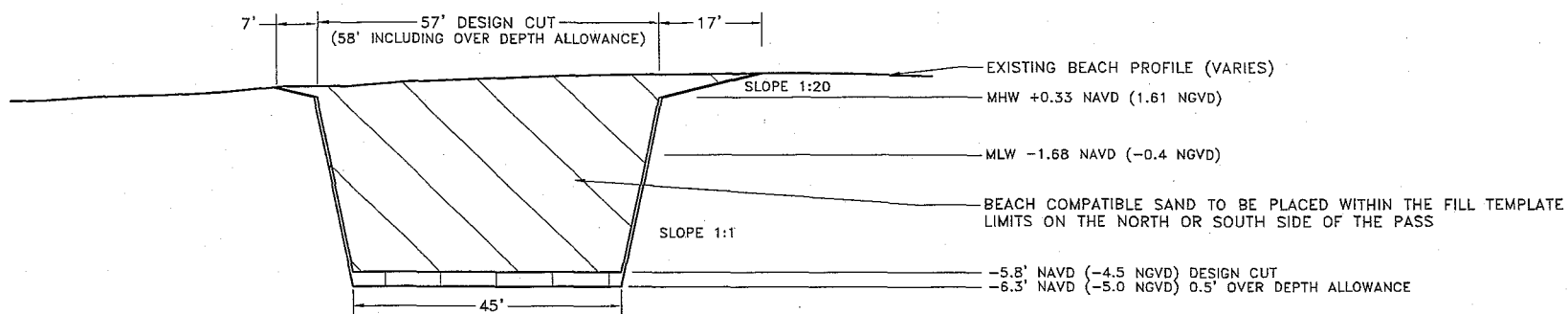


**HUMISTON
& MOORE
ENGINEERS**
COASTAL
ENGINEERING DESIGN
AND PERMITTING

CLAM PASS MAINTENANCE DREDGING PROJECT
SITE PLAN - DREDGE AND FILL
FOR: COLLIER COUNTY
DATE: 2/25/13 FILE: PLAN SCALE: SHOWN
JOB: 13

5679 STRAND COURT
NAPLES, FL 34110
FAX: (239) 594-2025
PHONE: (239) 594-2021
www.humistonandmoore.com

TYPICAL DREDGE CUT FOR INLET STATIONS (0+00 TO 3+64.5)
(STATION 1+00 SHOWN FOR REFERENCE ONLY)



NOTES:

1. ELEVATIONS SHOWN ARE IN FEET BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. DISTANCES SHOWN IN FEET.
3. PRECONSTRUCTION SURVEY CONDUCTED BY AGNOLI, BARBER, & BRUNDAGE, INC. FROM JANUARY 3 TO 11, 2013.

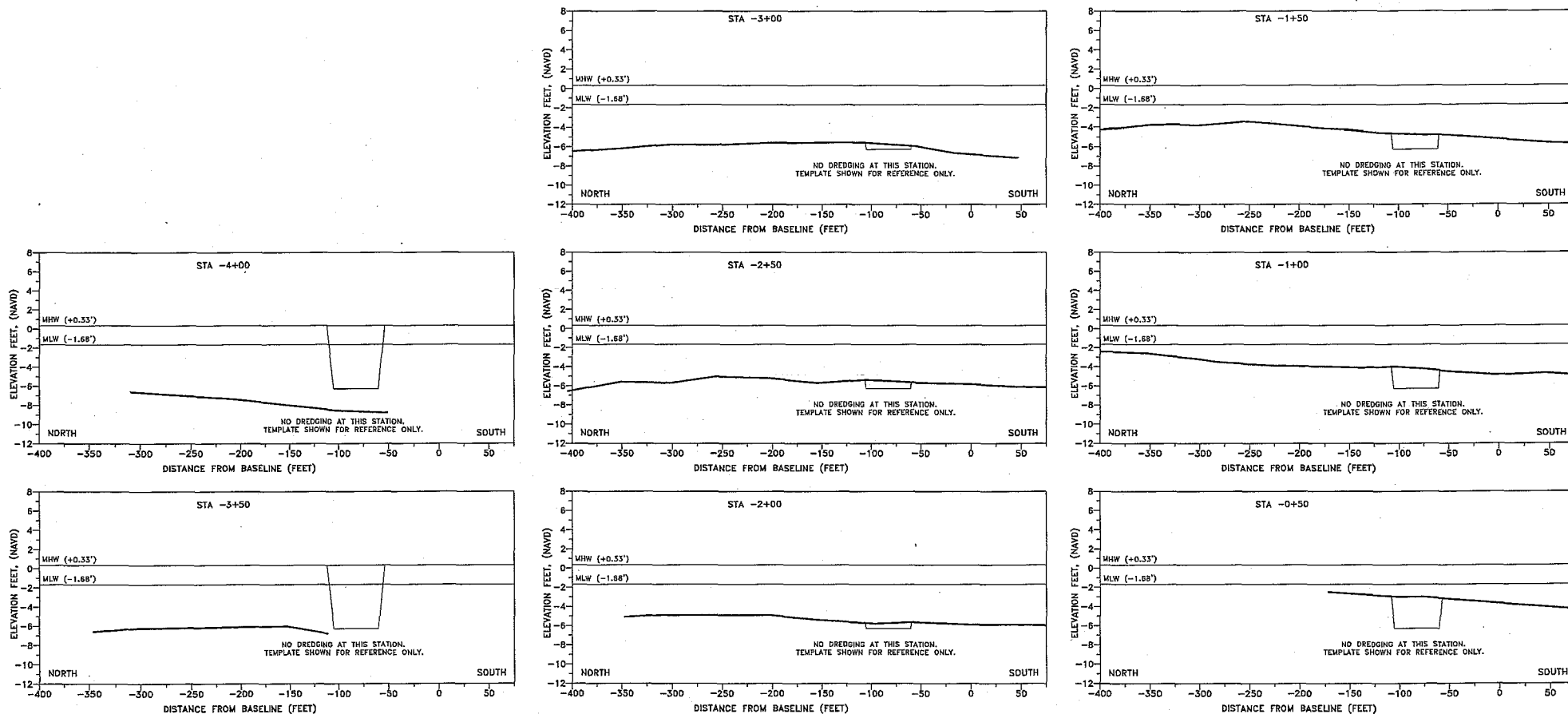


**HUMISTON
& MOORE
ENGINEERS**
COASTAL
ENGINEERING DESIGN
AND PERMITTING

CLAM PASS MAINTENANCE DREDGING PROJECT
TYPICAL INLET CROSS SECTIONS - DREDGE
FOR: COLLIER COUNTY
DATE: 2/25/13 FILE: PLAN SCALE: SHOWN
JOB: 13

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FAX: (239) 594-2025
PHONE: (239) 594-2021

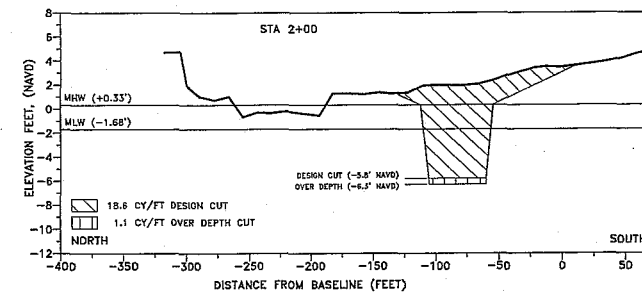
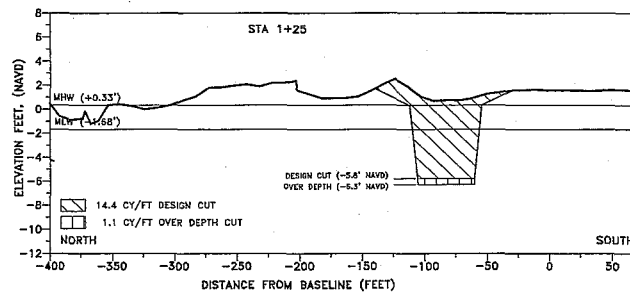
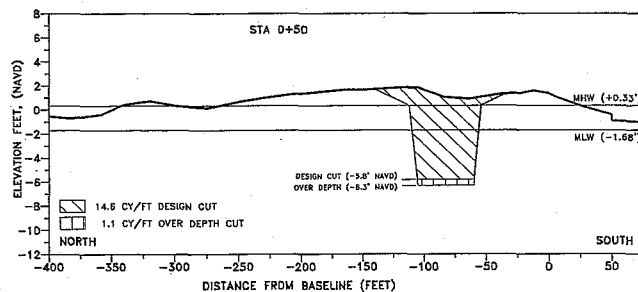
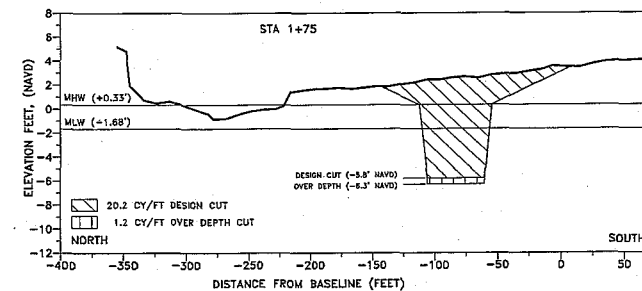
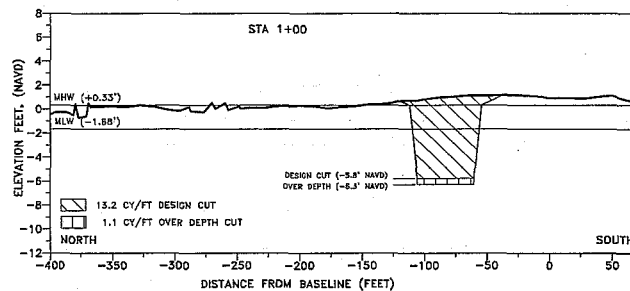
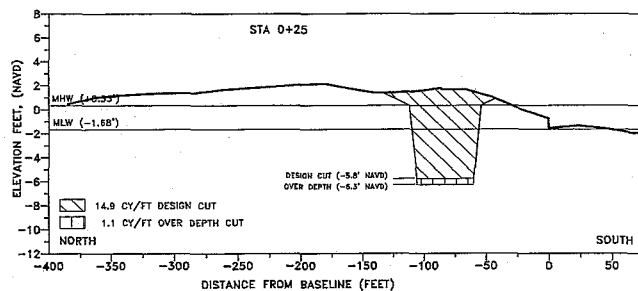
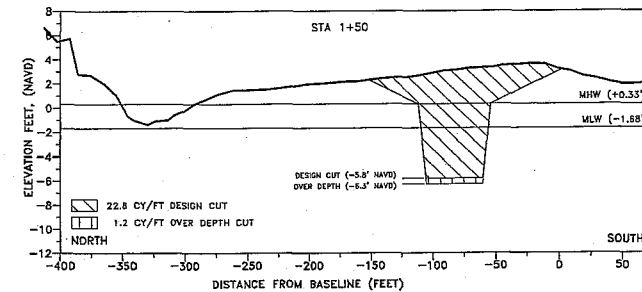
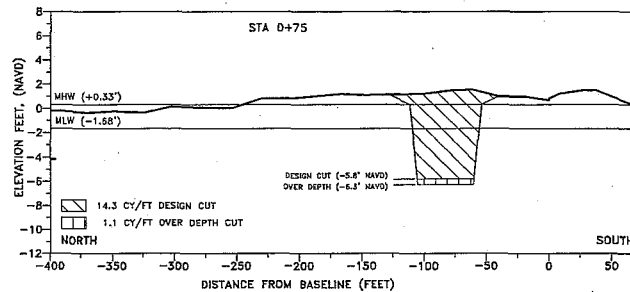
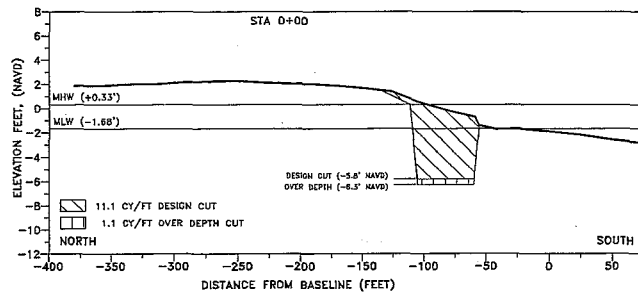
Army Corps of Engineers
File #: SAJ-1996-02789
Date: 2/25/13
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	HUMISTON & MOORE ENGINEERS COASTAL ENGINEERING DESIGN AND PERMITTING		CLAM PASS MAINTENANCE DREDGING PROJECT CROSS SECTIONS - DREDGE		5679 STRAND COURT NAPLES, FL 34110 FAX: (239) 594-2025 PHONE: (239) 594-2021
	FOR: COLLIER COUNTY		DATE: 2/25/13 FILE: PLAN SCALE: SHOWN		
	JOB:		JOB:		
	JOB:		JOB:		



NOTES:

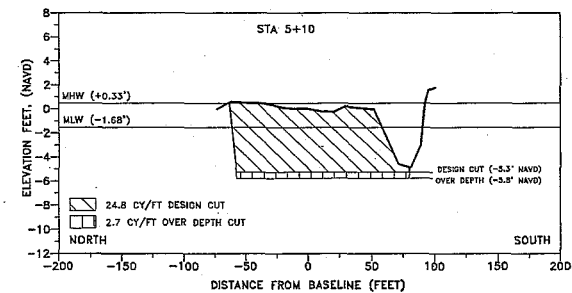
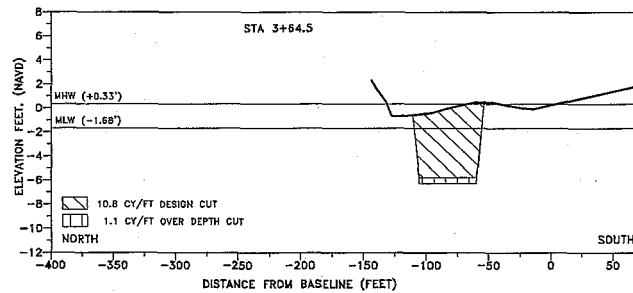
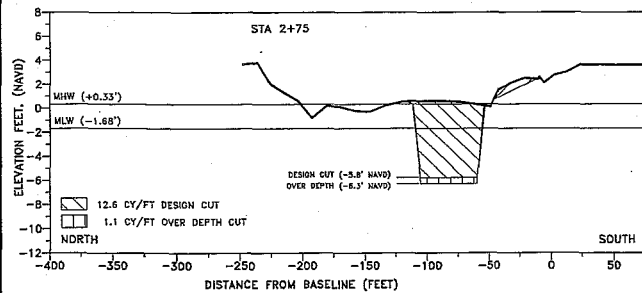
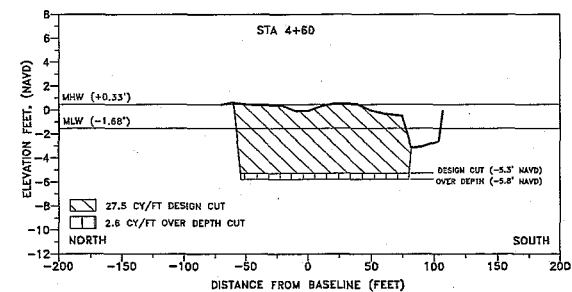
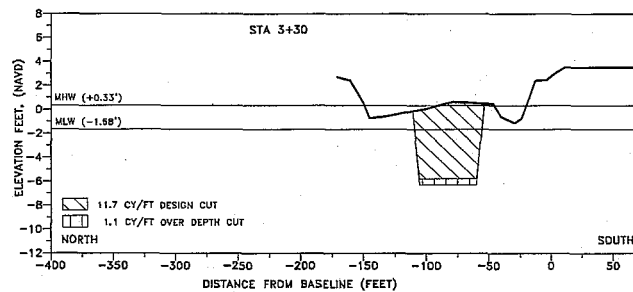
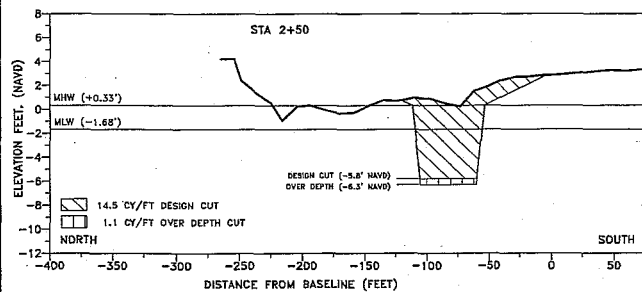
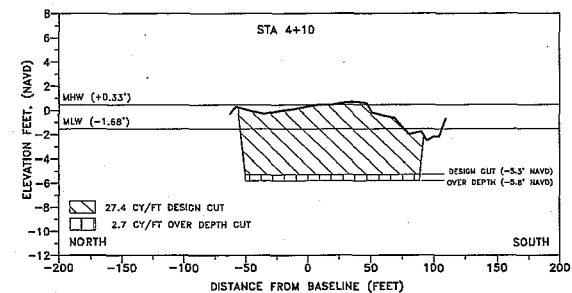
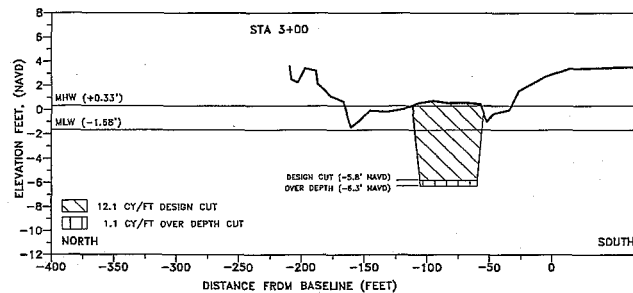
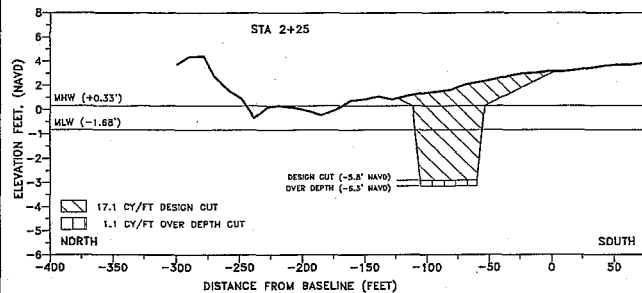
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CLAM PASS MAINTENANCE DREDGING PROJECT
CROSS SECTIONS - DREDGE
FOR: COLLIER COUNTY
DATE: 2/25/13 FILE: PLAN SCALE: SHOWN
JOB: 1

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www.humistonandmoore.com

F:\HAM-20-000\0006-Clam Pass\2013-2025\Cross Sections Dredge Stationing.dwg Plot: Feb. 26, 2013



NOTES:

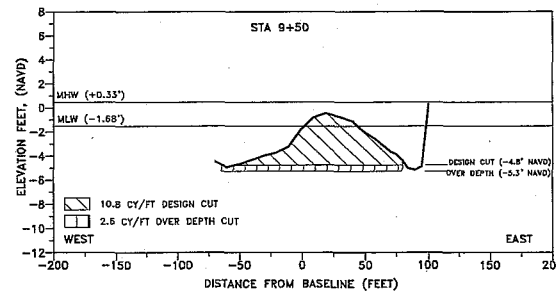
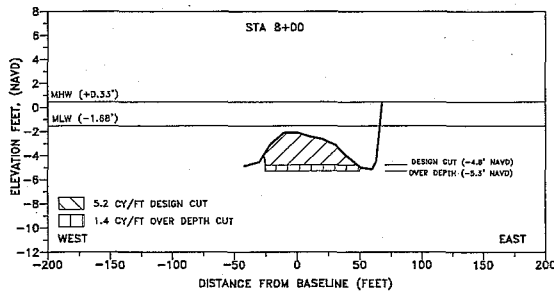
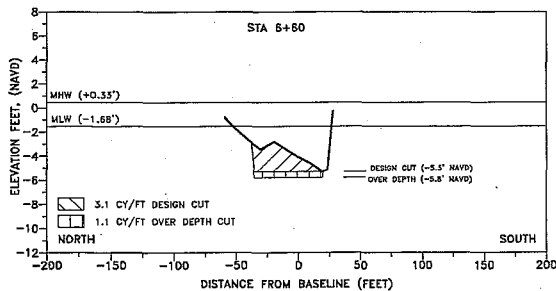
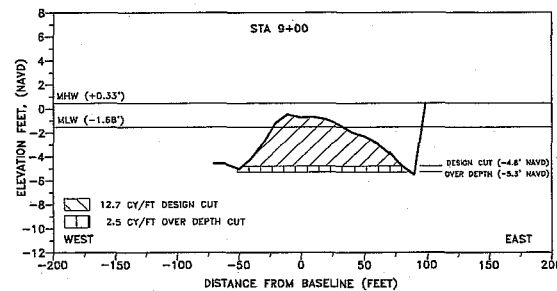
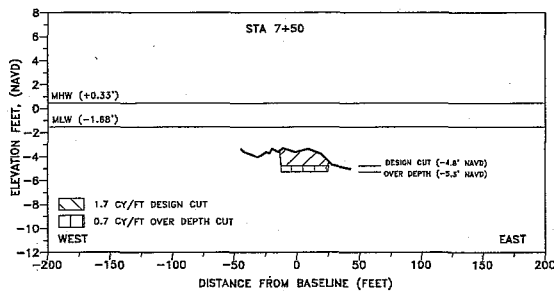
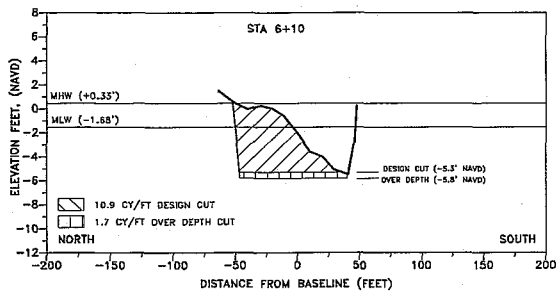
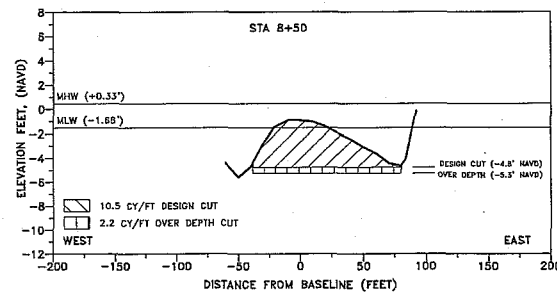
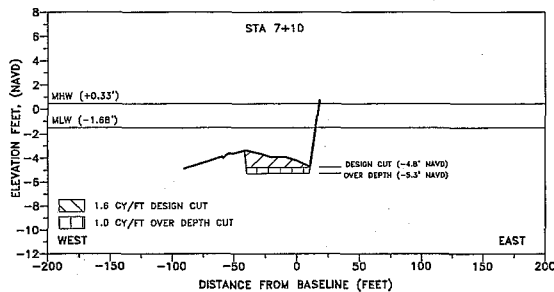
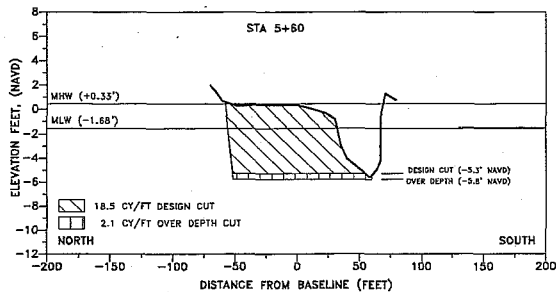
1. ELEVATIONS SHOWN ARE IN FEET BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. DISTANCES SHOWN IN FEET.
3. PRECONSTRUCTION SURVEY CONDUCTED BY AGNOLI, BARBER, & BRUNDAGE, INC. FROM JANUARY 3 TO 11, 2013.
4. DREDGE TO MAINTAIN A MINIMUM BUFFER OF 5' FROM MANGROVE ROOTS.



CLAM PASS MAINTENANCE DREDGING PROJECT	
CROSS SECTIONS - DREDGE	
FOR: COLLIER COUNTY	
DATE: 2/25/13	FILE: PLAN
SCALE: SHOWN	
JOB: 1	

5679 STRAND COURT
NAPLES, FL 34110
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PHONE: (239) 594-2021

Army Corps of Engineers
File #: SAJ-1996-02789
Date: 2/25/13
Page 8 of 13



NOTES:

1. ELEVATIONS SHOWN ARE IN FEET BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. DISTANCES SHOWN IN FEET.
3. PRECONSTRUCTION SURVEY CONDUCTED BY AGNOLI, BARBER, & BRUNDAGE, INC. FROM JANUARY 3 TO 11, 2013.
4. DREDGE TO MAINTAIN A MINIMUM BUFFER OF 5' FROM MANGROVE ROOTS.

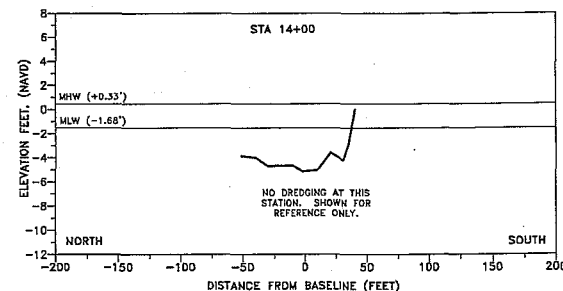
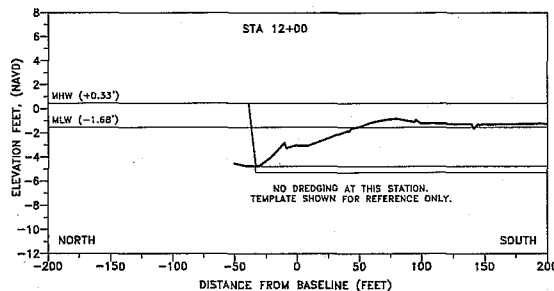
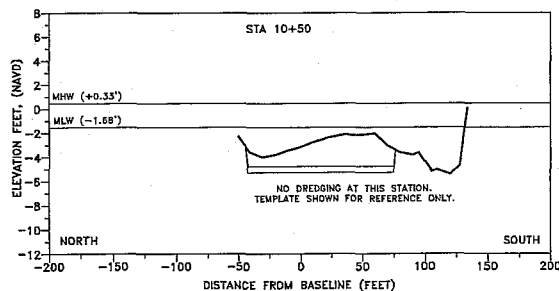
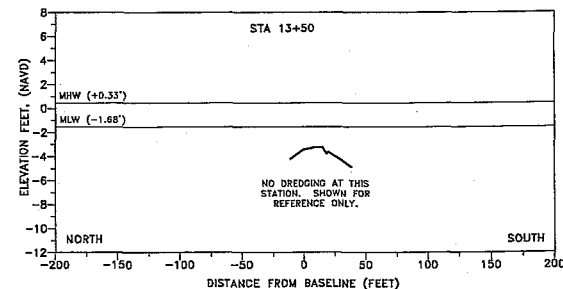
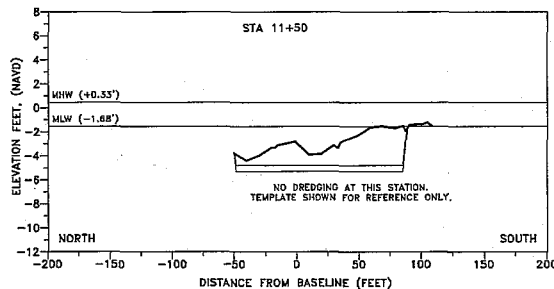
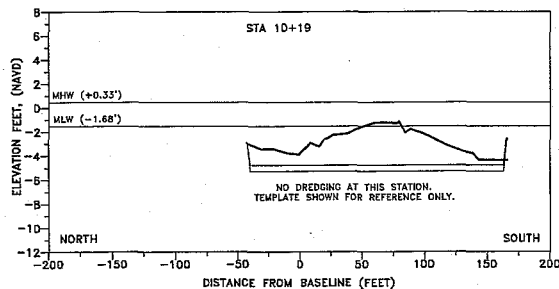
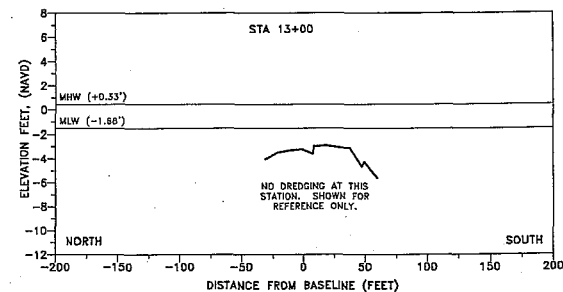
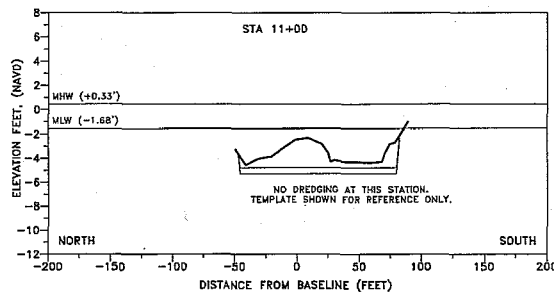
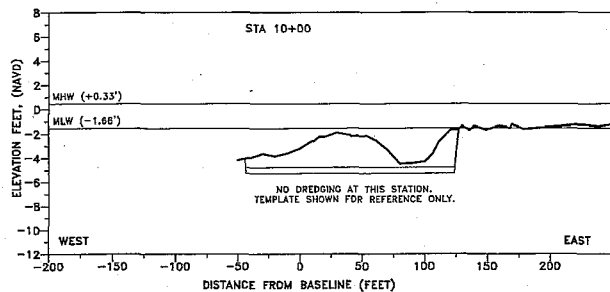


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ENGINEERS**
COASTAL
ENGINEERING DESIGN
AND PERMITTING

CLAM PASS MAINTENANCE DREDGING PROJECT
CROSS SECTIONS - DREDGE
FOR: COLLIER COUNTY
DATE: 2/25/13 FILE: PLAN SCALE: SHOWN
JOB: 13078

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Army Corps of Engineers
File #: SAJ-1996-02789
Date: 2/25/13



NOTES:

1. ELEVATIONS SHOWN ARE IN FEET BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. DISTANCES SHOWN IN FEET.
3. PRECONSTRUCTION SURVEY CONDUCTED BY AGNOLI, BARBER, & BRUNDAGE, INC. FROM JANUARY 3 TO 11, 2013.
4. DREDGE TO MAINTAIN A MINIMUM BUFFER OF 5' FROM MANGROVE ROOTS.

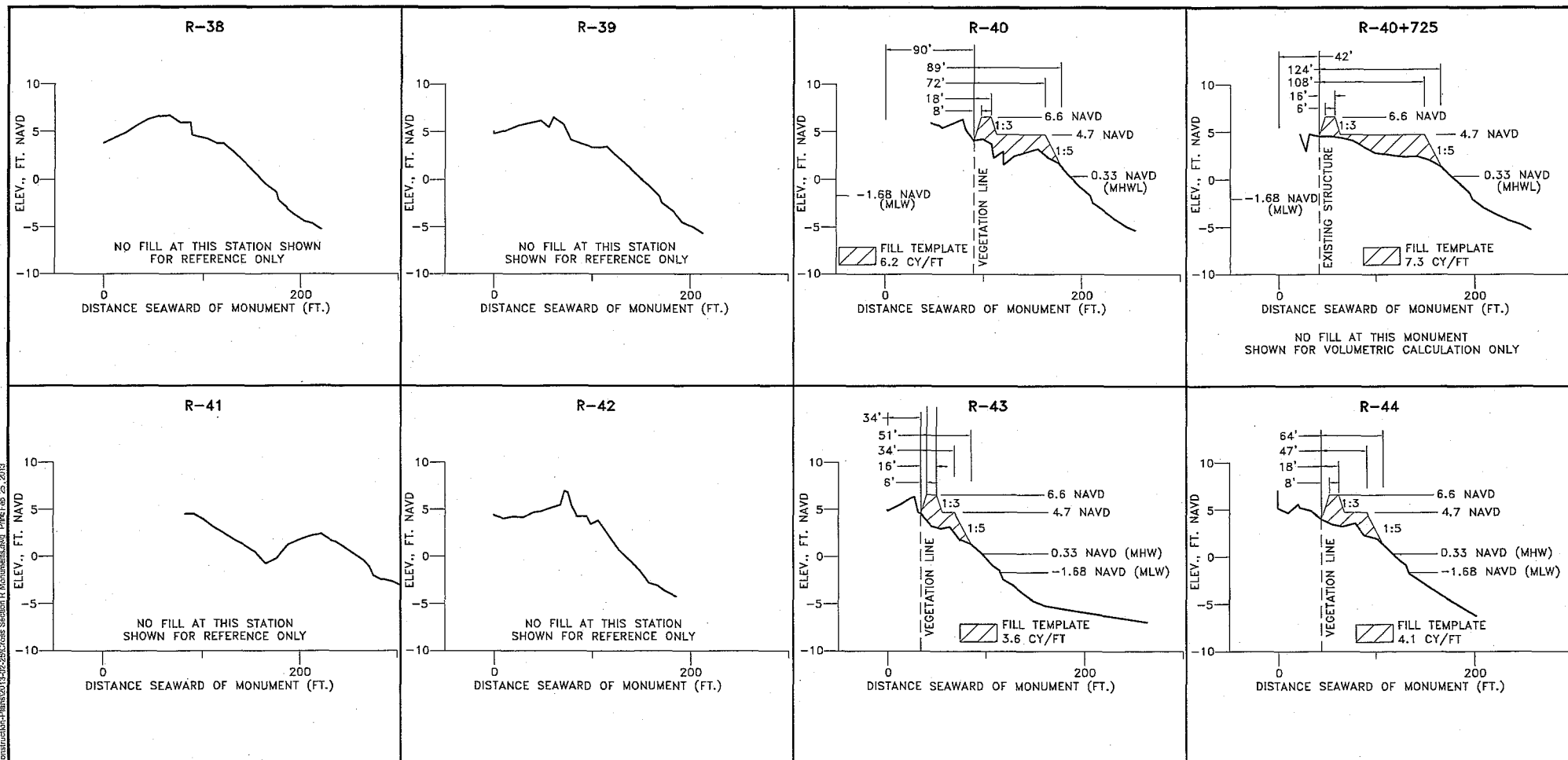


CLAM PASS MAINTENANCE DREDGING PROJECT
CROSS SECTIONS - DREDGE
FOR: COLLIER COUNTY
DATE: 2/25/13 FILE: PLAN SCALE: SHOWN
JOB: 13P

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File #: SAJ-1996-02789
Date: 2/25/13
Page 10 of 12

F:\HAM-06-000\060606-ClamPass\2013-02-29\Cross Section R Monuments\Drawn Plate Feb 28, 2013



NOTES:

1. PRECONSTRUCTION SURVEY CONDUCTED BY AGNOLI, BARBER, & BRUNDAGE, INC. FROM JANUARY 3 TO 11, 2013.
2. COORDINATES SHOWN ARE IN FEET BASED ON THE NORTH AMERICAN DATUM OF 1983, EAST ZONE (NAD83).
3. ELEVATIONS SHOWN ARE IN FEET BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. NORTH AND SOUTH LIMITS OF BEACH FILL TEMPLATE WITHIN MAXIMUM LIMITS SHOWN ON PERMIT PLANS BY PBS&J DATED 7/31/2012.
5. ALL FILL TO BE PLACED UPLAND OF THE GULF OF MEXICO MHWL AND WITHIN THE LIMITS OF THE BEACH FILL TEMPLATES ON PERMIT PLANS BY PBS&J DATED 7/31/2012.
6. AREA LANDWARD OF DUNE FILL TO BE GRADED BASED ON SITE CONDITIONS AT THE TIME OF CONSTRUCTION.



CLAM PASS MAINTENANCE DREDGING PROJECT
CROSS SECTIONS - BEACH FILL
FOR: COLLIER COUNTY
DATE: 2/25/13 FILE: XSEC SCALE: SHOWN
JOB: 13

5679 STRAND COURT
NAPLES, FL 34110
FAX: (239) 594-2025
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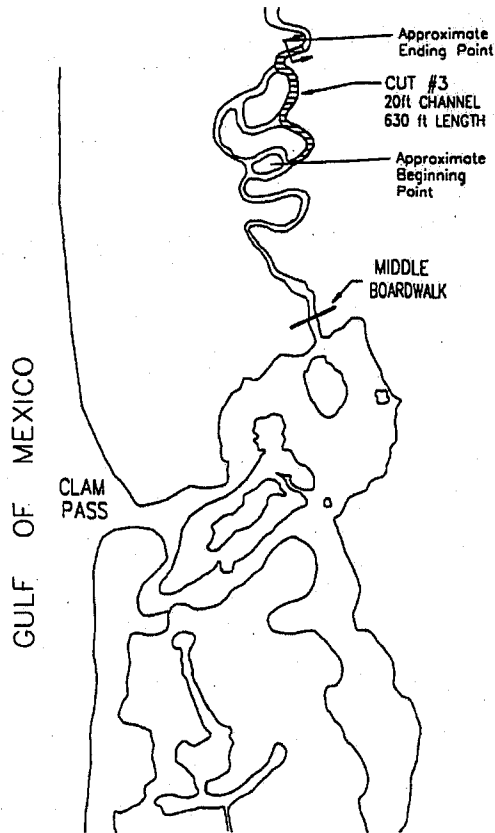
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	NORTHING (FEET)	EASTING (FEET)	AZIMUTH (DEGREES)					
4+00	68291.4	37745.0	179.5					
3+80	68291.8	37751.0	179.5					
3+60	68291.8	37755.0	179.5					
2+80	68292.3	37761.0	179.5					
2+60	68292.7	37765.0	179.5					
1+80	68293.2	37715.0	179.5					
1+60	68293.6	37765.0	179.5					
0+60	68294.1	37714.9	179.5					
0+50	68294.5	37764.9	179.5	12.9	15.4	13.2	150.7	
0+25	68295.2	37763.9	179.5	25.0	35.1	27.5	400.8	
0+00	68295.4	37791.5	179.5	25.0	35.1	27.5	392.9	
0+75	68295.7	37733.9	179.5	25.0	35.1	27.4	354.9	
1+00	68295.7	37734.9	179.5	25.0	35.1	27.4	356.3	
1+25	68295.7	37733.9	179.5	25.0	35.1	27.0	387.0	
1+50	68296.3	38014.9	179.5	25.2	57.9	29.1	604.1	
1+75	68296.8	38040.1	179.5	25.3	51.7	29.2	540.9	
2+00	68296.3	38064.9	179.5	25.3	45.2	25.8	456.0	
2+25	68296.2	38040.9	179.5	25.7	42.7	26.5	442.5	
2+50	68297.2	38114.5	179.5	25.0	35.7	28.1	391.8	
2+75	68297.2	38114.5	179.5	25.0	31.9	27.5	342.4	
3+00	68297.7	38114.5	179.5	27.2	23.6	29.0	380.6	
3+25	68297.9	38114.5	179.5	32.3	26.0	38.3	411.0	
3+50	68296.3	38223.4	179.5	45.8	57.4	49.4	554.5	
3+75	68297.1	38217.1	179.5	46.3	17.5	17.5	142.3	
4+00	68297.1	38217.1	179.5	50.1	12.7	12.7	124.2	
4+25	68296.5	38273.2	179.5	50.1	12.7	12.7	124.0	
4+50	68296.5	38240.9	179.5	50.1	22.5	107.4	1,022.1	
4+75	68296.5	38247.4	179.5	43.0	33.7	33.1	878.2	
5+00	68295.7	38251.2	179.5	49.1	13.9	52.8	206.5	
5+25	68296.1	38253.6	179.5	45.0	71.8	45.0	1,145.9	
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12+75	68296.1	38253.6	179.5	45.0	71.8	45.0	1,145.9	
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22+75	68296.1	38253.6	179.5	45.0	71.8	45.0	1,145.9	
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23+25	68296.1	38253.6	179.5	45.0	71.8	45.0	1,145.9	
23+50	68296.1	38253.6	179.5	45.0	71.8	45.0	1,145.9	
23+75	68296.1	38253.6	179.5	45.0	71.8	45.0	1,145.9	
24+00	68296.1	38253.6	179.5	45.0	71.8	45.0	1,145.9	
24+25	68296.1	38253.6	179.5	45.0	71.8	45.0	1,145.9	
24+50	68296.1	38253.6	179.5	45.0	71.8	45.0	1,145.9	
24+75	68296.1	38253.6	179.5	45.0	71.8	45.0	1,145.9	
25+00	68296.1	38253.6	179.5	45.0	71.8	45.0	1,145.9	
25+25	68296.1	38253.6	179.5	45.0	71.8	45.0	1,145.9	
25+50	68296.1	38253.6	179.5	45.0	71.8	45.0	1,145.9	
25+75	68296.1	38253.6	179.5	45.0	71.8	45.0	1,145.9	
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27+50	68296.1	38253.6	179.5	45.0	71.8	45.0	1,145.9	
27+75	68296.1	38253.6	179.5	45.0	71.8	45.0	1,145.9	
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SAJ-1996-02789
Clam Pass Maintenance Dredge

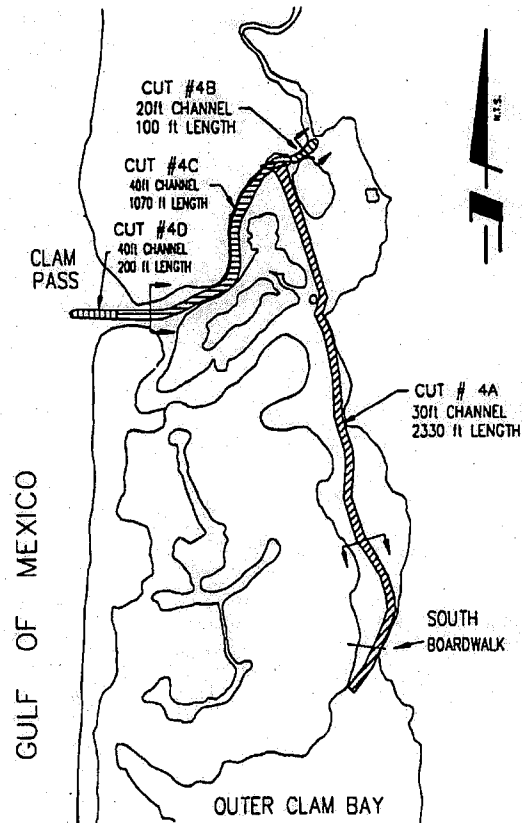
ATTACHMENT B

Original Permit/Modification Drawings

SHEET 1



SHEET 2



EXCAVATION PLAN FOR CUTS 3 & 4A THROUGH 4D

FOR PERMITTING
PURPOSES ONLY

PROJECT: CLAM BAY

APPLICANT: PELICAN BAY SERVICES DIVISION

WILSON

MILLER

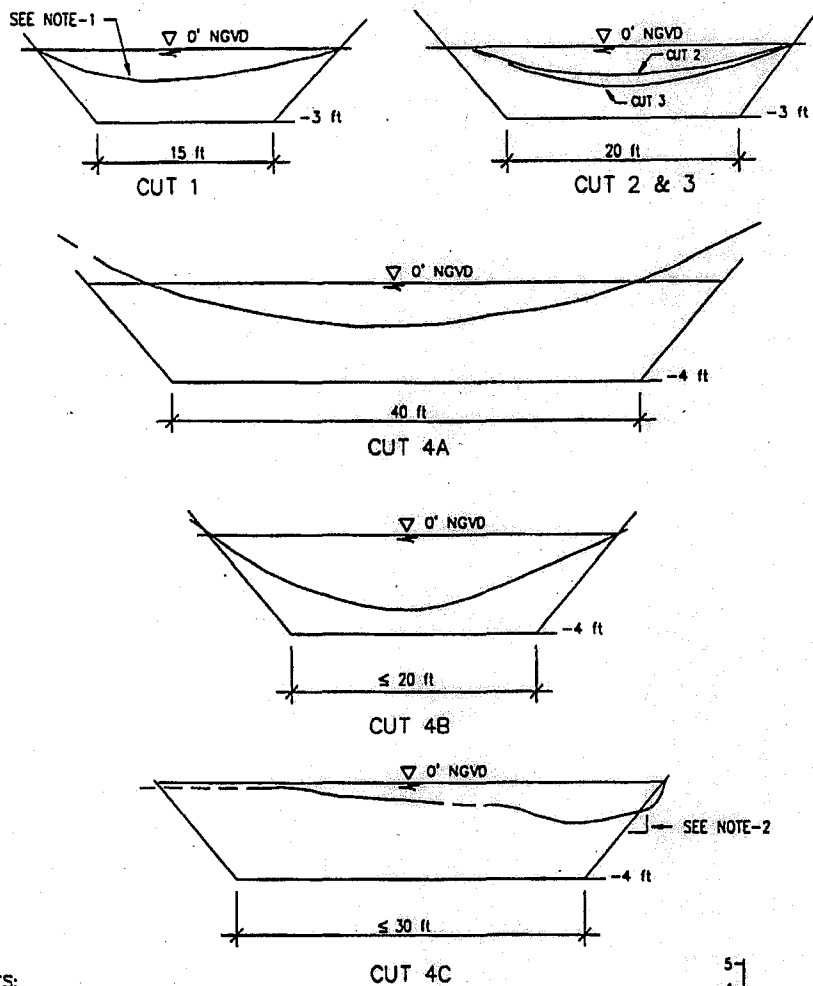
TACKNEY AND ASSOC., INC.
COASTAL ENGINEERING

COUNTY:	COLLIER	DATE:	APR., 1997
SEC:	4.9	TWP:	49S
	32.33	RGE:	25E
PROJECT NO.	N0102-080-001-ERPAP		FILE NO.
DRWN BY/EMP NO.	L.M.B./918	SHEET NO.	24 of 38
		PER-79	

Figure
4.5.2.(1)

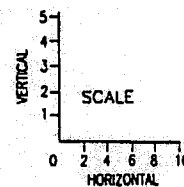
D. T. TACKNEY
FLA. REG. 20853

199602789(IP-CC)
APR 6, 1998




NOTES:

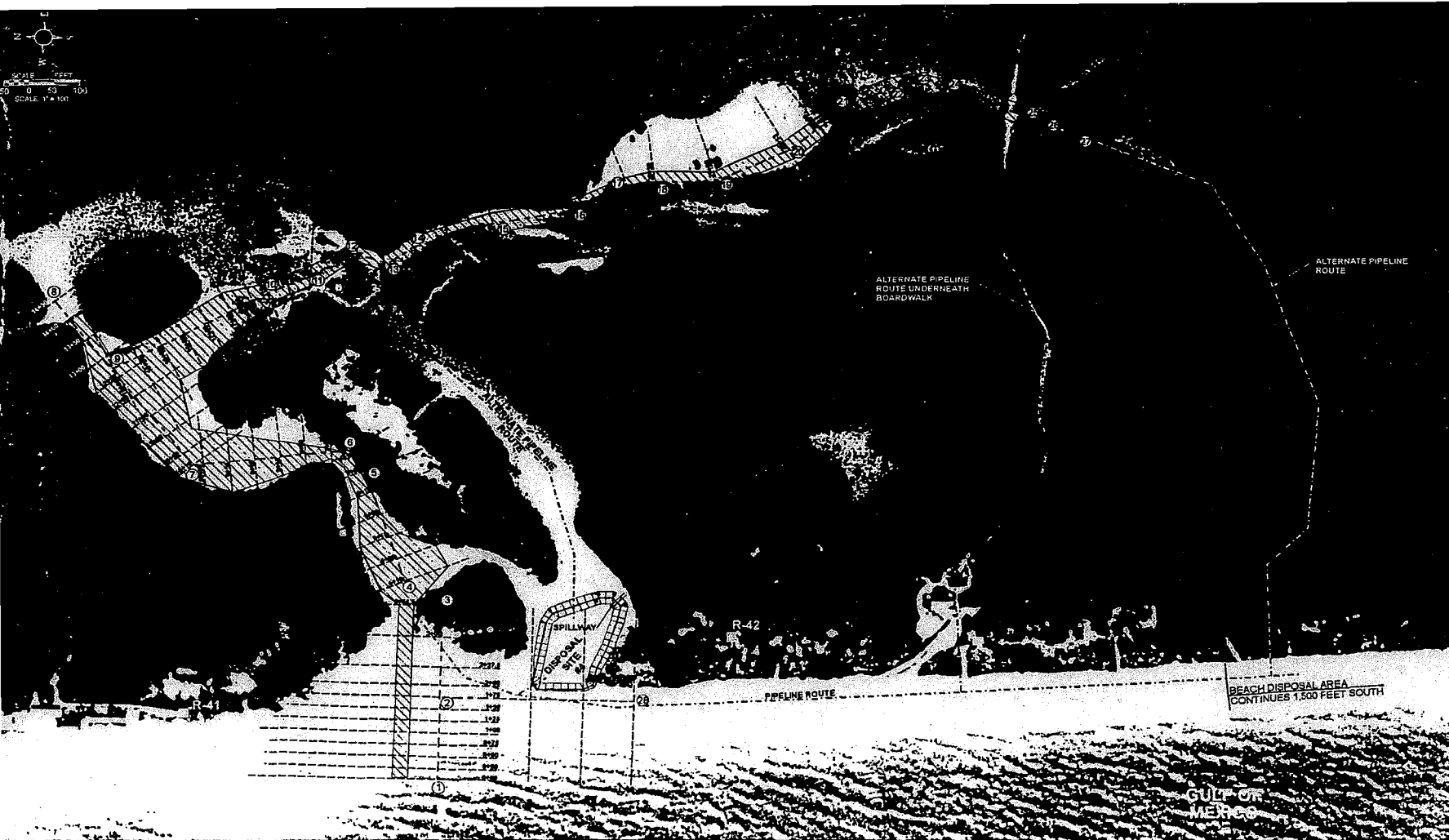
1. EXISTING SECTIONS VARY.
2. SIDE SLOPES @ ANGLE OF REPOSE (ASSUMED 30°)



TYPICAL CUT SECTIONS

PROJECT: CLAM BAY		Figure 4.5.2.(i)	
APPLICANT: PELICAN BAY SERVICES DIVISION			
<div>WILSON  MILLER</div>	<div>TACKNEY AND ASSOC., INC. COASTAL ENGINEERING</div>	COUNTY: COLLIER	DATE: APR., 1997
		SEC: 4.9 TRP: 495 REG: 25F	REV NO: 11/97
		PROJECT NO: N0102-080-001-ERPAP	FILE NO: PER-79
		DRAWN BY/DMP NO: L.M.B./918	SHEET NO: 25 of 38

199602789(IP-CC)
APR 6, 1998



BASELINE COORDINATES			
STATION	EASTING	NORTHING	
1624.59	888123.55	2123230.04	888906.24
1799.87	888128.22	2123789.28	888080.18
1889.48	888128.82	2123748.52	888208.32
2038.15	888200.80	2123710.37	888258.94
2272.41	888265.88	2123732.33	888328.31
2315.87	888314.78	2123680.74	888402.16
2372.81	888320.78	2123638.17	888481.81
2805.17	888895.08	2123474.35	888780.05
3000.58	888854.33	2121801.00	888755.20
3037.74	888893.81		
3088.78	888035.48		
3107.88	888188.27		
3118.80	888245.18		
3107.78	888290.38		
3077.81	888386.78		
2968.54	888458.21		
2898.13	888528.33		
2894.81	888746.31		
2881.72	888800.23		

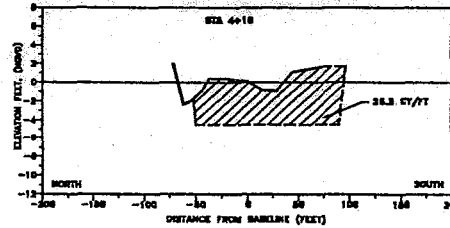
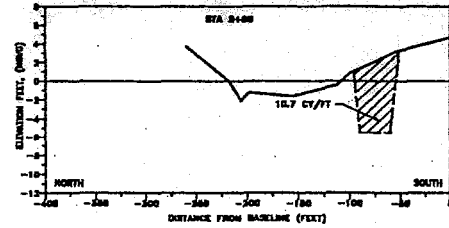
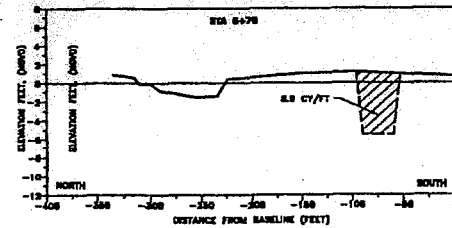
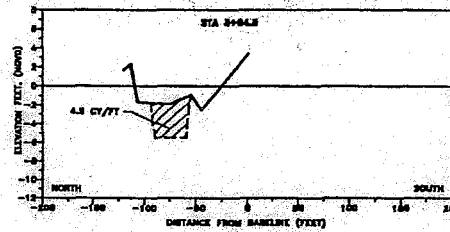
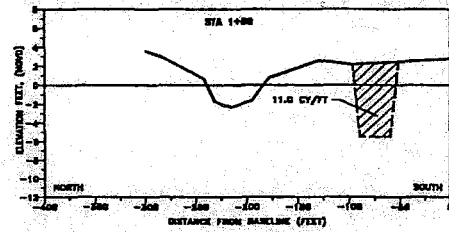
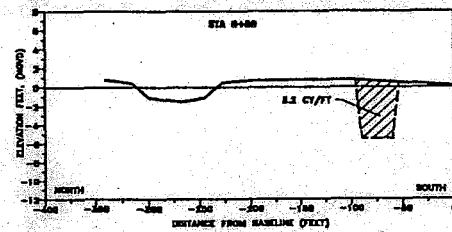
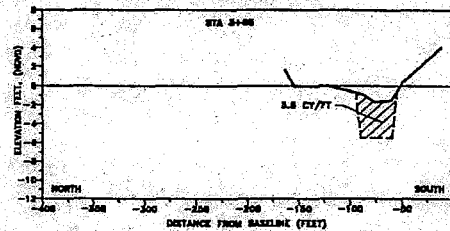
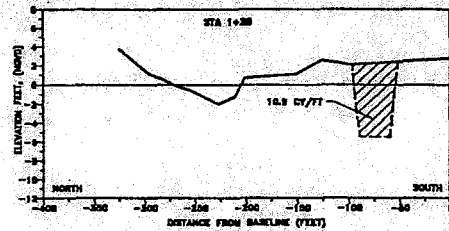
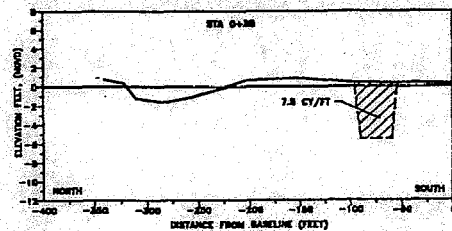
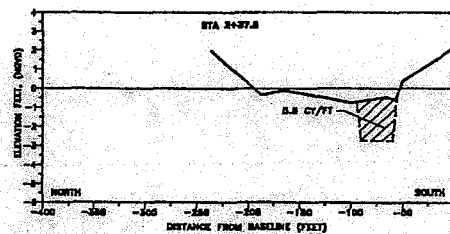
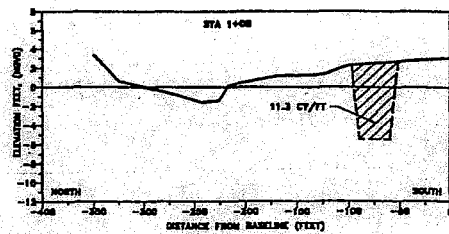
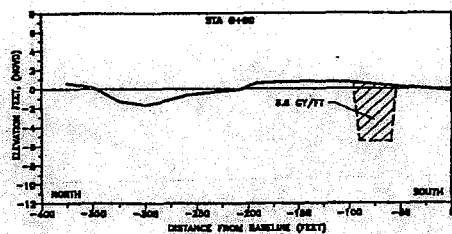
NOTE:
 1. TYPICAL PIPELINE ROUTE SHOWN FOR ILLUSTRATION PURPOSES ONLY.
 2. ACTUAL PIPELINE ROUTE TO BE DETERMINED IN THE FIELD.
 3. ALL ELEVATIONS ARE REFERENCED TO NGVD 1929
 4. ALL HORIZONTAL COORDINATES ARE IN STATE PLANE COORDINATE SYSTEM NAD 1927, FLORIDA EAST ZONE.


CUT	FROM	TO	VOLUME
4A	0+00	7+10	7,700 CY
4B	7+10	18+28	13,630 CY
4C	18+28	27+50	5,770 CY
4D	27+50	35+37	4,900 CY

- LEGEND
- DREDGING CUT LIMITS
VOLUME OF CUT = 32,000 CY
 - STATION/PROFILE LOCATION
 - BASELINE
 - ① BASELINE POINT NUMBER
 - R-42 DNR REFERENCE MONUMENT
 - CORE BORING LOCATION
C4 (5.9%)
 - PIPELINE ROUTE

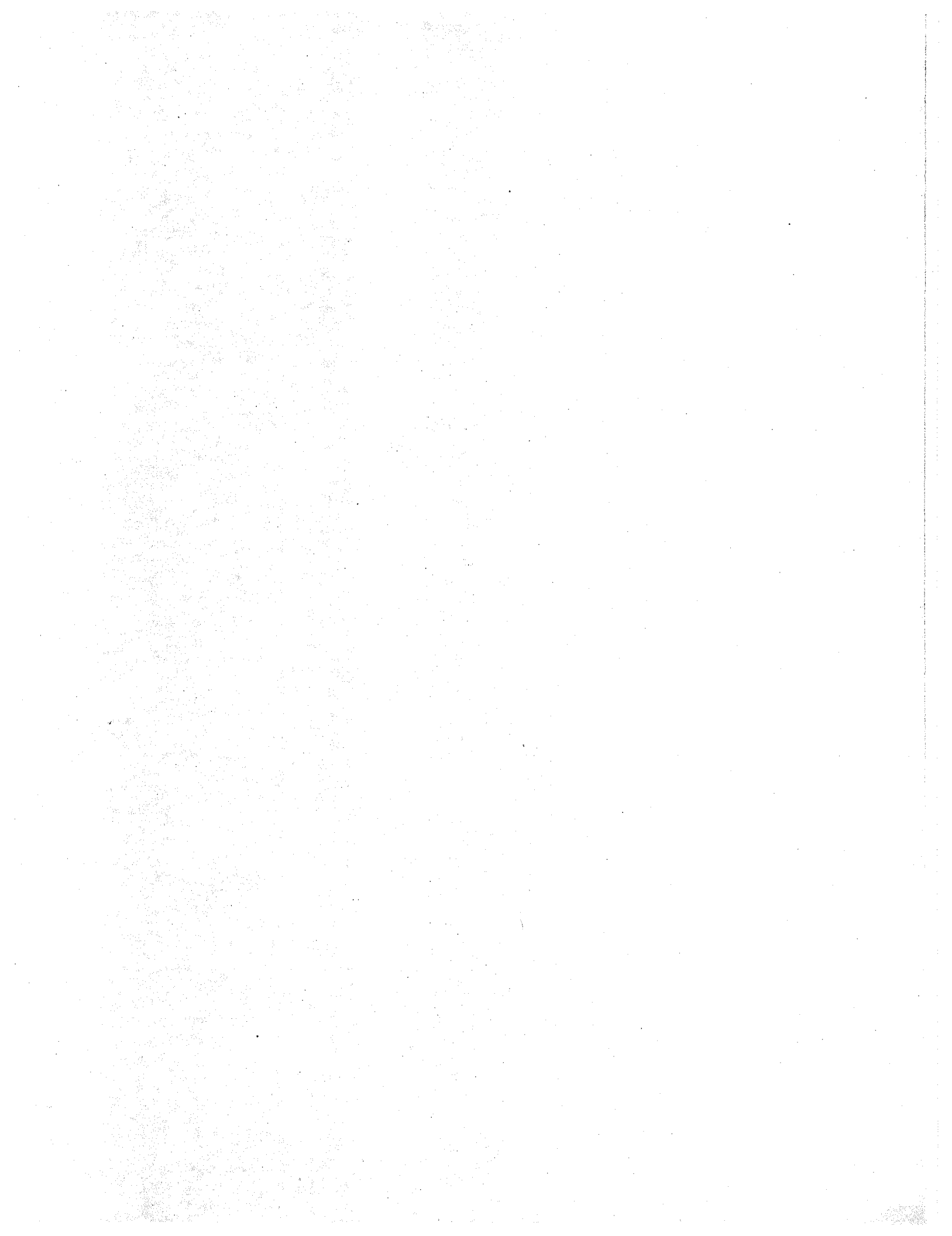
	CLAM BAY RESTORATION DREDGING CUT #4 - SITE PLAN		
	FOR: PELICAN BAY SERVICES DISTRICT		
	DATE: 2/1/99	FILE: 8042-CON-AER-CUT4	
	PROJECT NO.: 8-042	DATUM: NGVD/GRID	SHEET: 7 OF 21

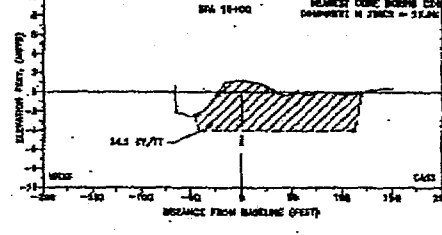
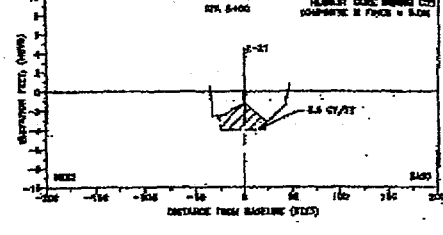
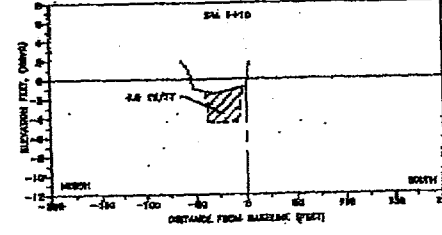
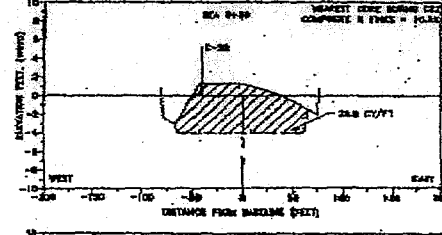
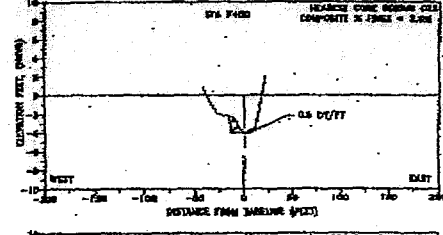
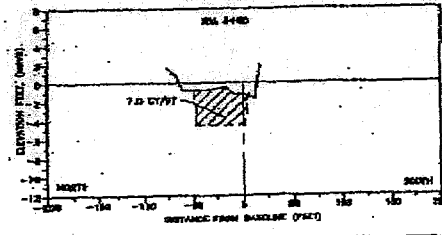
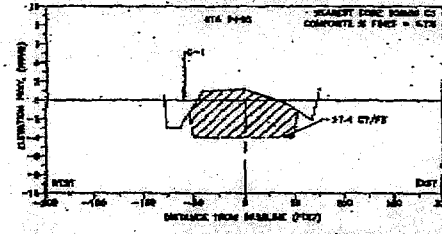
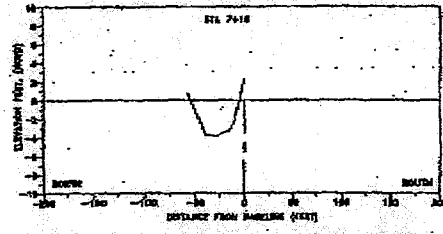
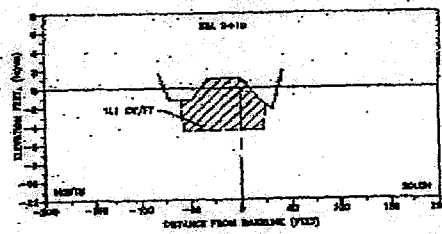
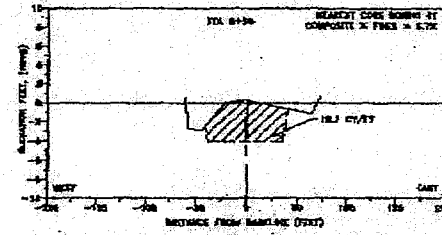
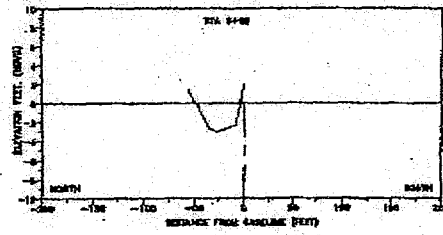
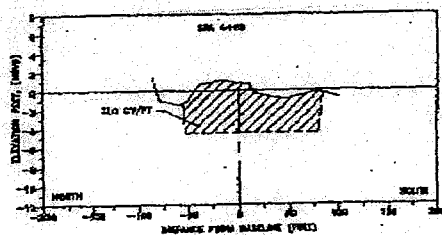
199602789(IP-CC)
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 FEB. 26, 1999
 SHEET 7 OF 21



	CLAM BAY RESTORATION		
	CUT#4 CROSS-SECTIONS		
	FOR: PELICAN BAY SERVICES DISTRICT		
	<small>HAMILTON & MOORE ENGINEERS 10841 HAMPTON RD. NORTH, STE 14 DADE COUNTY, FLORIDA 33158 (305) 894-3021</small>	DATE: 12/01/98	FILE: R042-X3
PROJECT NO.: 8-042		DATUM: NGVD/GRID	SCALE: AS SHOWN
		SHEET: 10 OF 21	

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FEB. 26, 1999
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CLAM BAY
RESTORATION
CUT #4 CROSS-SECTIONS

FWD: PEUCAM BAY SERVICES DISTRICT

DATE: 12/01/94

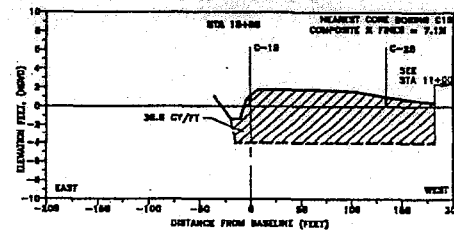
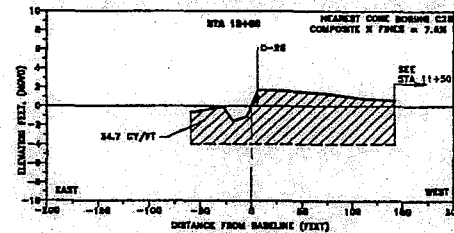
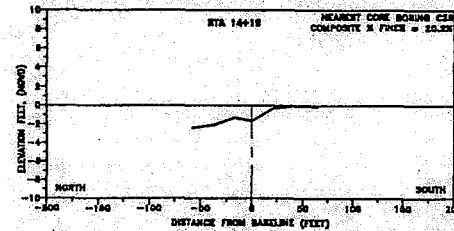
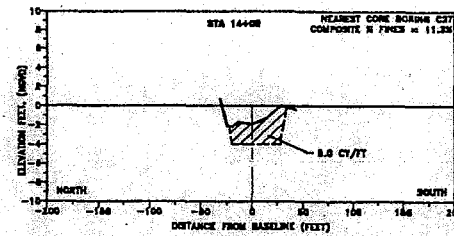
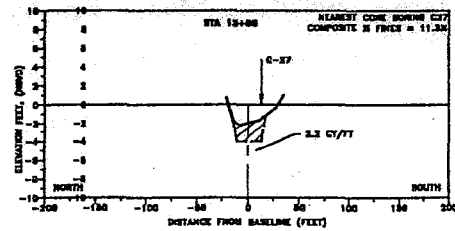
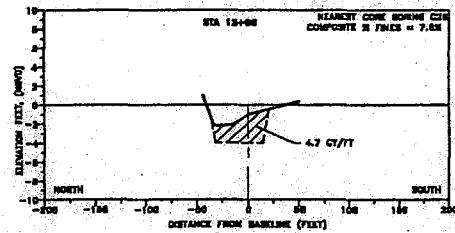
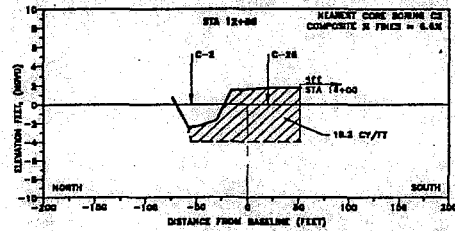
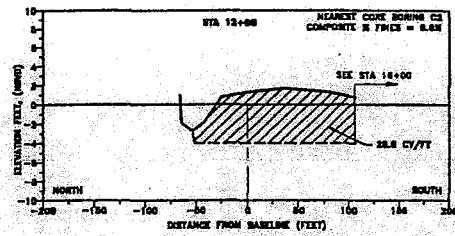
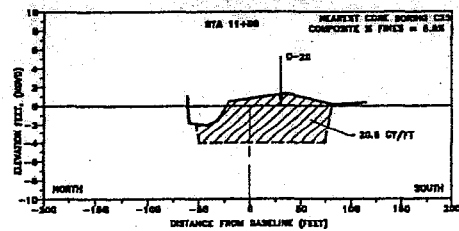
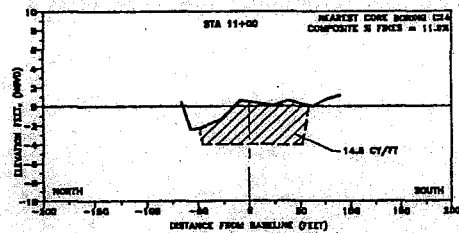
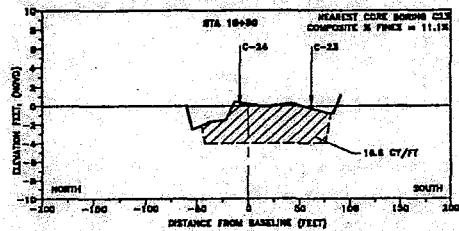
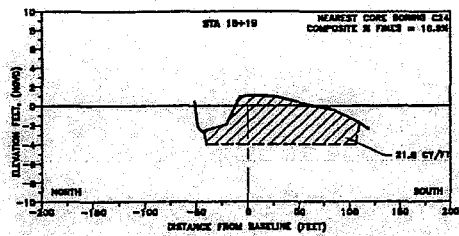
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SCALE: AS SHOWN

PROJECT NO: 2-042

DATUM: MVD/BRD

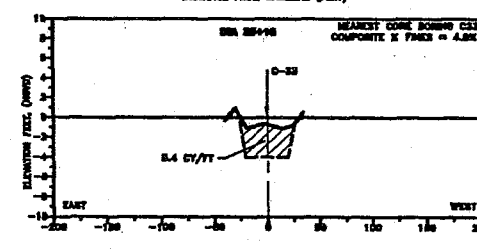
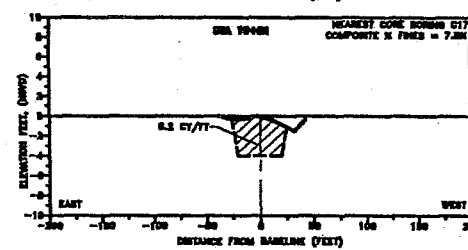
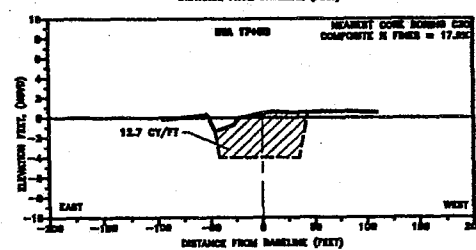
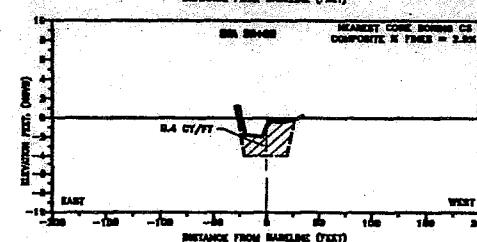
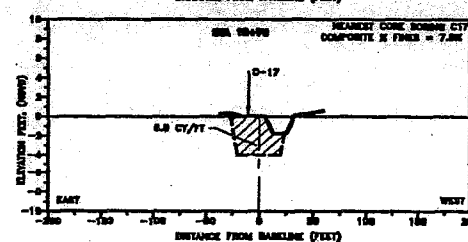
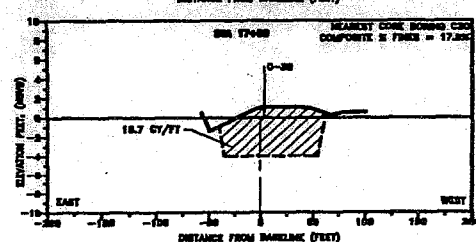
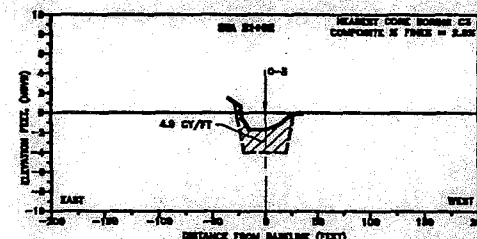
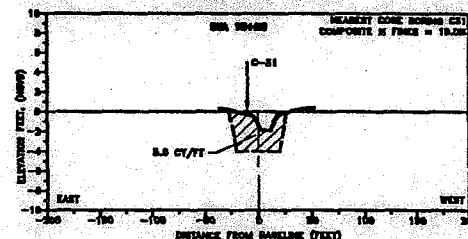
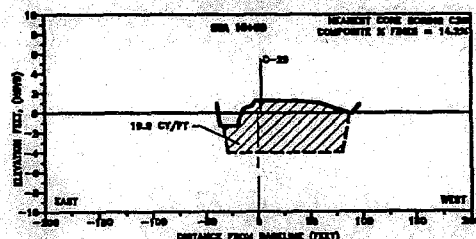
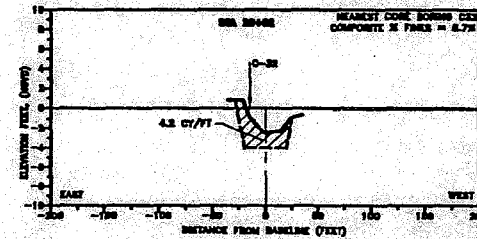
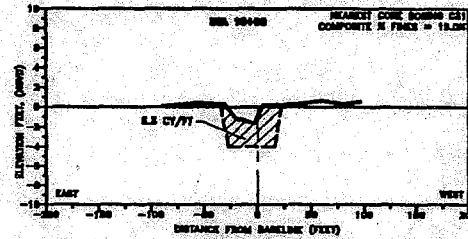
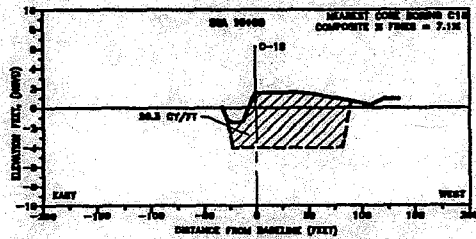
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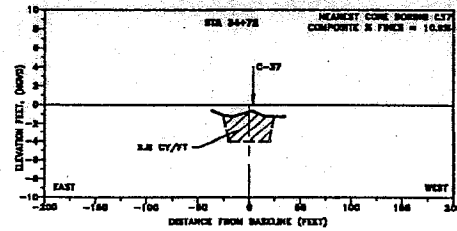
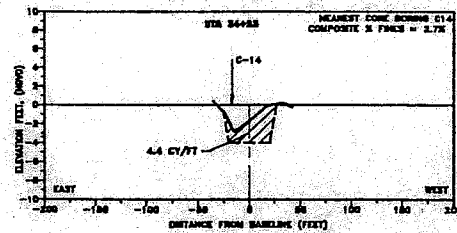
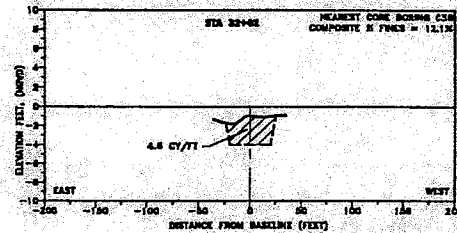
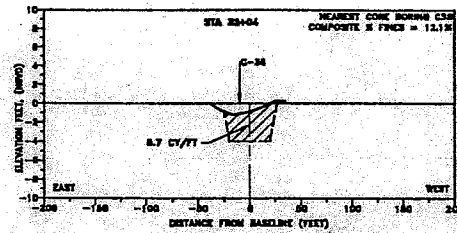
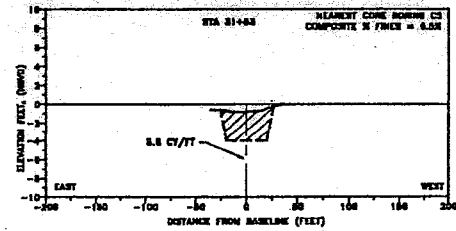
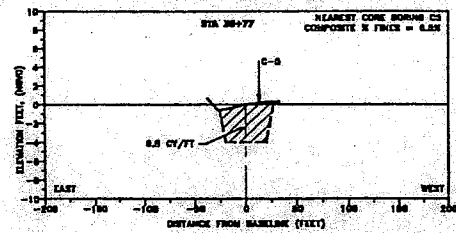
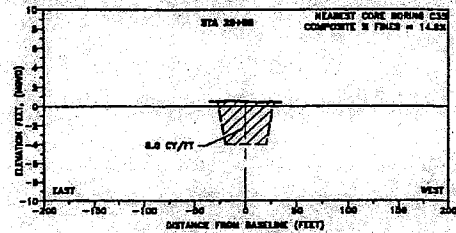
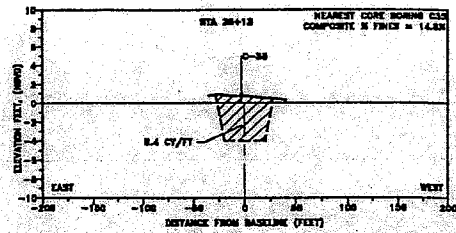
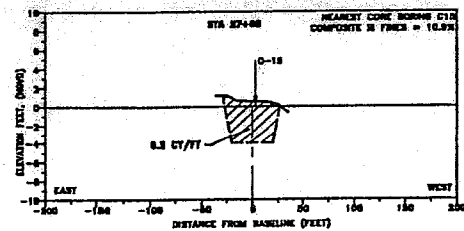
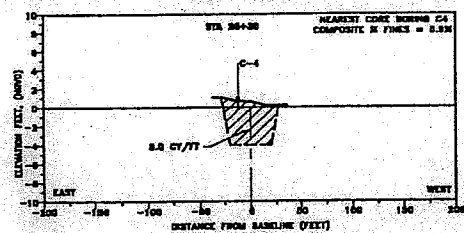
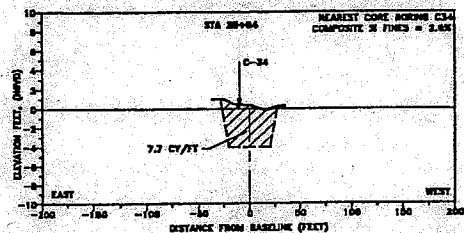
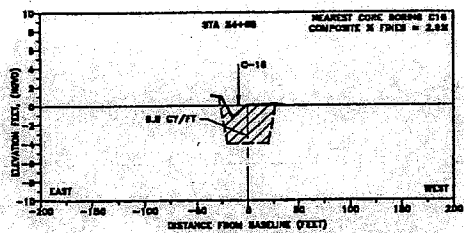
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	FOR: PELICAN BAY SERVICES DISTRICT		
<small> HANBURY & MOORE ENGINEERS 10001 JEFFERSON BOULEVARD, STE 14 HUNTSVILLE, ALABAMA 35894 (205) 944-3000 </small>	DATE: 12/01/98	FILE: 8042-XS	SCALE: AS SHOWN
	PROJECT NO.: 8-042	DATUM: NGVD/GRID	SHEET: 12 OF 21


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FEB. 26, 1999
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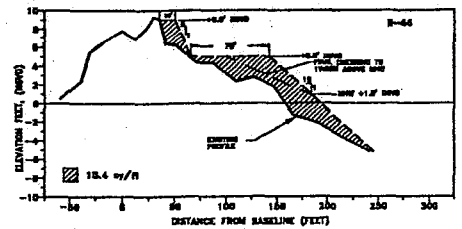
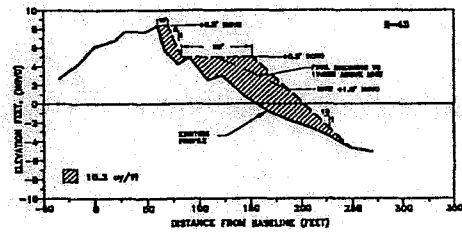
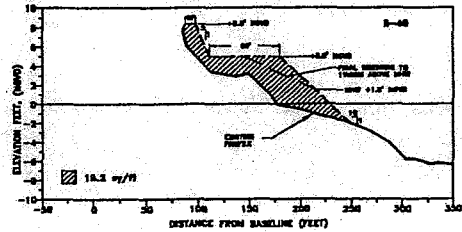
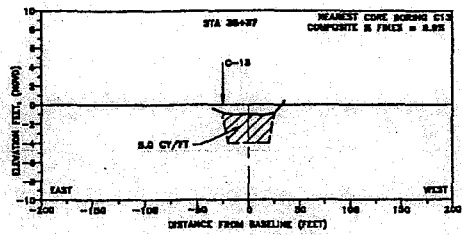


	CLAM BAY RESTORATION CUT #4 CROSS-SECTIONS		
	FOR PELICAN BAY SERVICES DISTRICT		
	DATE: 12/01/98	FILE: 9042-XS	SCALE: AS SHOWN
	PROJECT NO.: 8-942	DATUM: NGVD/88	SHEET: 13 OF 21



	CLAM BAY RESTORATION		
	CUT#4 CROSS-SECTIONS		
	FOR: PELICAN BAY SERVICES DISTRICT		
	DATE: 12/01/98	FILE: 8042-X3	SCALE: AS SHOWN
<small>HANFORD & MOORE ENGINEERS 18001 AIRPORT RD. NORTH, STE 14 HUNTER, ALABAMA 36108 (205) 884-3021</small>	PROJECT NO.: 8-042	DATUM: NGVD/GRID	SHEET: 14 OF 21

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HM <small>HAMILTON & MOORE ENGINEERS 14001 AIRPORT RD. NORTH, STE 14 DADE COUNTY, FLORIDA 33126 (305) 584-3001</small>	CLAM BAY RESTORATION CUT #4 CROSS-SECTIONS & BEACH DISPOSAL SECTIONS		
	FOR: PELICAN BAY SERVICES DISTRICT		
	DATE: 12/01/98	FILE: B042-XS	SCALE: AS SHOWN
	PROJECT NO.: 8-042	DATUM: NGVD/GRID	SHEET: 15 OF 21

SAJ-1996-02789
Clam Pass Maintenance Dredge

ATTACHMENT C

Standard Manatee Conditions for In-Water Work

STANDARD MANATEE CONDITIONS FOR IN-WATER WORK

2011

The permittee shall comply with the following conditions intended to protect manatees from direct project effects:

- a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injury to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.
- b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
- c. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement.
- d. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shutdown if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.
- e. Any collision with or injury to a manatee shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1-888-404-3922. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida, and to FWC at ImperiledSpecies@myFWC.com
- f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Temporary signs that have already been approved for this use by the FWC must be used. One sign which reads *Caution: Boaters* must be posted. A second sign measuring at least 8 ½" by 11" explaining the requirements for "Idle Speed/No Wake" and the shut down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. These signs can be viewed at MyFWC.com/manatee. Questions concerning these signs can be sent to the email address listed above.

CAUTION: MANATEE HABITAT

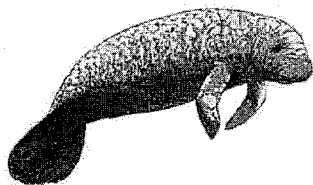
All project vessels

IDLE SPEED / NO WAKE

When a manatee is within 50 feet of work
all in-water activities must

SHUT DOWN

Report any collision with or injury to a manatee:



Wildlife Alert:

1-888-404-FWCC(3922)

cell *FWC or #FWC

SAJ-1996-02789
Clam Pass Maintenance Dredge

ATTACHMENT D

Biological Opinion

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ATTACHMENT E

Statewide Programmatic Biological Opinion

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Clam Pass Maintenance Dredge

ATTACHMENT F

Self-Certification Statement of Compliance

SELF-CERTIFICATION STATEMENT OF COMPLIANCE

Permit Number: NW-3

Application Number: SAJ-1996-02789

Permittee's Name & Address (please print or type): _____

Telephone Number: _____

Location of the Work: _____

Date Work Started: _____ Date Work Completed: _____

Description of the Work (e.g., bank stabilization, residential or commercial filling, docks, dredging, etc.): _____

Acreage or Square Feet of Impacts to Waters of the United States: _____

Describe Mitigation completed (if applicable): _____

Describe any Deviations from Permit (attach drawing(s) depicting the deviations): _____

I certify that all work, and mitigation (if applicable) was done in accordance with the limitations and conditions as described in the permit. Any deviations as described above are depicted on the attached drawing(s).

Signature of Permittee

Date

SAJ-1996-02789
Clam Pass Maintenance Dredge

ATTACHMENT G

Permit Transfer Request

DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

PERMIT NUMBER: SAJ-1996-02789

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. Although the construction period for works authorized by Department of the Army permits is finite, the permit itself, with its limitations, does not expire.

To validate the transfer of this permit and the associated responsibilities associated with compliance with its terms and conditions, have the transferee sign and date below and mail to the U.S. Army Corps of Engineers, Enforcement Section, Post Office Box 4970, Jacksonville, FL 32232-0019.

(TRANSFeree-SIGNATURE)

(SUBDIVISION)

(DATE)

(LOT)

(BLOCK)

(NAME-PRINTED)

(STREET ADDRESS)

(MAILING ADDRESS)

(CITY, STATE, ZIP CODE)