

DEPARTMENT OF THE ARMY PERMIT

Permittee: CITY OF PORT RICHEY

Permit No. SAJ-2007-1791(IP-MFN)

Issuing Office: U.S. Army Engineer District, Jacksonville

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

**Project Description:** To maintenance dredge a total of approximately 19,061 cubic yards of sand from the 20 channel areas shown on the areas to be dredged drawing covering approximately 7.429 acres of dredge area. The depth of the channels would be -5'MLW. Widths vary from approximately 22' to 70'. The method of dredging would be mostly hydraulic with some mechanical dredging to remove rocks and spoil would be placed in an upland site at Waterfront Park to dry with ultimate spoil placement to the Oreto Drive and Ridge Road Storage Facility (ODRROSF) which is a stockpile site on the uplands. All work is to be completed in accordance with the attached plans numbered SAJ-2007-1791(IP-MFN) in 26 sheets dated 1/18/2008.

**Project Location:** The project is located in Miller's Bayou, Pithlachascotee River, and the Gulf of Mexico, in Sections 29-32, Township 25 South, Range 16 East, Pasco County, Florida.

Miller's Bayou #26: Latitude 28.27528°N, Longitude -82.73103°W.

Pithlachascotee River #19: Latitude 28.26878°N, Longitude -82.72269°W.

Gulf of Mexico #21: Latitude 28.27835°N, Longitude -82.74101°W.

Permit Conditions:

General Conditions:

1. The time limit for completing the work authorized ends on FEB 27 2013. 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 **and mailing address** 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 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 representatives 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.

**Special Conditions:**

1. The Permittee will utilize the attached standard manatee construction conditions during dock construction.

2. The Permittee will utilize the attached smalltooth sawfish/swimming sea turtle conditions during construction.

**Further Information:**

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

(X) Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).

( ) Section 404 of the Clean Water Act (33 U.S.C. 1344).

2. Limits of this authorization.

a. This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.

b. This permit does not grant any property rights or exclusive privileges.

c. This permit does not authorize any injury to the property or rights of others.

d. This permit does not authorize interference with any existing or proposed Federal projects.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.

b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.

c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.

d. Design or construction deficiencies associated with the permitted work.

e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

a. You fail to comply with the terms and conditions of this permit.

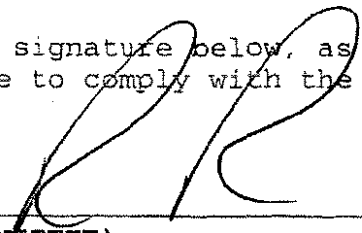
b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (see 4 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.


6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

  
\_\_\_\_\_  
(PERMITTEE)

February 28 2008  
(DATE)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

  
\_\_\_\_\_  
(DISTRICT ENGINEER)  
Paul L. Grosskruger  
Colonel, U.S. Army

2-29-2008  
(DATE)

DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

PERMIT NUMBER: SAJ-2007-1791(IP-MFN)

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 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, Regulatory Division, Post Office Box 4970, Jacksonville, Florida, 32232-0019.

\_\_\_\_\_  
TRANSFeree-SIGNATURE

\_\_\_\_\_  
DATE

\_\_\_\_\_  
(NAME-PRINTED)

\_\_\_\_\_  
(NAME OF SUBDIVISION)

\_\_\_\_\_  
(ADDRESS)

\_\_\_\_\_  
(Lot #)

\_\_\_\_\_  
(Block #)

\_\_\_\_\_  
(CITY, STATE, AND ZIP CODE)

\_\_\_\_\_  
(TELEPHONE NUMBER W/AREA CODE)





**THE LPA GROUP**  
**LPA**  
 TRANSPORTATION CONSULTANTS  
 4503 WOODLAND COURT, SUITE 200  
 SUITE 402 TAMPA, FLORIDA 33614  
 (813) 880-3000  
 CORPORATE LICENSE #00004307



LEGEND  
 ① CHANNEL NUMBER

**SUMMARY OF ESTIMATED QUANTITIES**

Canal #	DREDGE AREA (AC.)	DREDGE VOLUME (CU.YD.)
1	0.984	2175
3	0.300	478
4	0.226	261
5	0.480	1340
6	0.649	1592
7	0.152	279
8	0.147	332
9	0.171	602
10	0.196	699
11	0.300	409
13	0.537	921
14	0.513	1947
15	0.359	1147
16	0.176	362
17	0.325	1023
18	0.486	1633
19	0.500	1608
21	0.133	123
24	0.147	538
26	0.643	1592



COE APPL# SAJ-2007-1791 (IP-MPN)  
 Sheet 2 of 26

Y:\Projects\Port Richey\Projects\1445307 Dredging Project\2007 Info\CHANGE LPA-1.dwg January 21 2008 - 10:55

Author: KJG	Checked by: MEK
Designer: HJ	Project Manager: TANSKODD

Notes:  
 1. HYDRAULIC DREDGING LINES TO SPOIL DISPOSAL AREA SHALL AVOID SEAGRASS BELTS. CONTRACTOR SHALL DETERMINE SIZE AND SPACING OF INLET PUMPS.

No.	Description	Date	By

**Dredging and Water Quality Enhancement Project**  
 Port Richey, Florida

**PROJECT LAYOUT**

PROJECT NUMBER:  
 DRAWN BY: MARY E. BUSTLER, P.E.  
 FLORIDA REGISTRATION #64440

Date: JAN 2008
Scale:
Sheet Number: PL-1

*Handwritten signature and date: 1/18/08*

Y:\Projects\Port Richey\Projects\1465527 Dredging Project\2007\Info\CHANGES\1465527.DWG November 20, 2007 - 06:51

**GENERAL NOTES**

1. THE REDEMPTION POND AS SHOWN ON THE PLAN CAN BE RELOCATED EAST AND WEST TO FIT INTO THE EXISTING CONTOUR OF THE PROPERTY WITH A MINIMUM OF EXCAVATION AND EARTHWORK, BUT SHALL NOT REDUCE THE MINIMUM AREA OF THE SPILL PILE THE 12' BOTTOM WIDTH AND THE LONGITUDINAL DIMENSIONS OF THE POND ARE CRITICAL TO THE SEDIMENTATION PROCESS AND MUST BE CONSIDERED PER PLAN AS A MINIMUM.
2. THE EXISTING ACCESS ROAD SHALL BE WIDENED AS NECESSARY TO ACCOMMODATE TWO WAY TRAFFIC WITH BUMP TRACKS, WITH 4" LINDRICK BASE AND GRADDED TO DRAIN INTO THE ADJACENT SWALES AND SEDIMENTATION SYSTEM.
3. THE SEDIMENTATION POND SHALL BE CLEARED WHEN THE DEPTH OF SILT REACHES 4" OR AS DETERMINED BY THE ENGINEER.
4. THE SILT AND SEDIMENT FROM THE POND SHALL BE PLACED BACK ON THE SPILL PILE UNTIL THE DESIRED LEVEL OF MOISTURE CONTENT HAS BEEN REACHED.
5. THE RUNOFF CALCULATIONS FOR THE SEDIMENTATION SYSTEM HAVE BEEN BASED ON A 24 HOUR 2.4 INCH STORM EVENT. IN THE CASE OF A RECURRING WARNING ON A TROPICAL STORM WARNING FOR THE COUNTY, THE CONTRACTOR SHALL SECURE THE SITE TO THE EXTENT PRACTICAL AND REMOVE MATERIAL FROM THE SPILL PILE UNTIL SUCH TIME AS THE STORM EVENT PRECLUDES ANY FURTHER ACTION ON SITE.
6. THE WEIRS CONNECTING THE POND SHALL BE CLEARED AS NECESSARY TO KEEP THE SYSTEM FUNCTIONAL.
7. THE SILT FENCE SHALL BE KEPT IN GOOD REPAIR AND REPLACED AND RESTACKED AS NECESSARY IN COMPLIANCE WITH BEST MANAGEMENT PRACTICES.
8. THE SPILL PILE SHALL BE KEPT IN A WORKMANLIKE MANNER WITH 2:1 MAXIMUM SIDE SLOPES AND A MAXIMUM HEIGHT OF 12 FEET ABOVE THE EXISTING GROUND.
9. MAXIMUM VOLUME OF DREDGED MATERIAL STORED IN THE SPILL PILE, AT 12' HEIGHT AND 2:1 SIDE SLOPES, IS 18,848 CY. FOR PLANNING PURPOSES, THE CAPACITY OF THE SPILL PILE SHOULD BE CONSIDERED 16,000 CY.
10. THE MATERIAL IN THE SPILL PILE SHALL BE KEPT ON SITE UNTIL MOISTURE AND NUCLEIC ACID MATERIAL TESTS ARE PERFORMED AND THE MATERIAL IS RELEASED FOR TRANSFER OFFSITE AT THE DISCRETION OF THE ENGINEER.
11. LENGTH OF STAKED SILT FENCE IS APPROXIMATELY 1,920 LF FOR ONE INSTALLATION. SILT FENCE SHALL BE MAINTAINED IN FUNCTIONAL WORKING CONDITION.
12. THE SOIL MATERIAL FROM THE SPILL PILE AT WATERFRONT PARK WILL BE TRANSPORTED TO THE ORETO DRIVE STOCKPILE SITE BY USING TEN-WHEEL TRUCKS. THE TRUCK ROUTE WILL START AT OLD POST ROAD TO BAY BOULEVARD THEN THURGOOD PLACE DRIVE, INSIDE POND AND ORETO DRIVE, AS SHOWN ON THE ADJACENT MAP, TO PREVENT ANY HAULING OF MATERIAL ON US HIGHWAY 16.
13. THE PROJECT WILL REQUIRE THE INSTALLATION OF AN APPROVED SOIL TRACKING PREVENTION DEVICE, FOOT PATY (18"-18"), FOR FOOT STAMPED TRACKING. THIS DEVICE WILL BE INSTALLED AT THE ENTRANCE TO OLD POST ROAD AND ORETO DRIVE.
14. TRUCKS SHALL BE EQUIPPED WITH APPROVED LOAD COVERS THAT WILL BE SECURED ALONG THE TRUCK ROUTE FROM WATERFRONT PARK TO ORETO DRIVE.
15. THE TRUCKS SHALL BE LOADED SO THAT NO MATERIAL AT ANY POINT IN THE BED IS HIGHER THAN THE SIDE OF THE TRUCK BED.
16. ANY MATERIAL SPILLED FROM ANY TRUCK ALONG THE ROUTE IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE CLEANED UP IMMEDIATELY WITH POWER BROOMING AND/OR HAND BROOMING AND THE ROAD PASSED DOWN IF NECESSARY, AS DIRECTED BY THE ENGINEER.
17. OPERATIONS WILL INCLUDE THE USE OF A FLAGGER TO DIRECT TRAFFIC DURING BACKING AND OFFLOADING AT THE ORETO DRIVE STOCKPILE SITE.
18. SPILL PILE, PERIMETER DITCH AND ALL PONDS TO BE LINED WITH AN IMPERMEABLE MEMBRANE.
19. SPILL PILE SIDE SLOPES ARE TO BE STABILIZED WITH HYDRO-MULCH AT THE END OF EACH DAY.
20. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DEVELOP A SPILL PREVENTION AND COUNTERMEASURE PLAN AND A STOPWATER POLLUTION PREVENTION PLAN FOR THE ENGINEER'S APPROVAL AND MAINTAIN SAME.
21. THE CONTRACTOR IS CAUTIONED THAT POWER POLES AND OVERHEAD UTILITIES EXIST ON THE ORETO DR. SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE UTILITY OWNER TO PROTECT THE POLES.
22. THE ORETO POND IS DESIGNED TO RETAIN AN ENTIRE 100-YEAR, 24-HOUR STORM (11 INCHES). FINAL GRADING ON THE ORETO SITE WILL ESTABLISH FLOW TOWARDS THE POND SITE.

**OPERATION AND MAINTENANCE PLAN  
DREDGED SPILL AREA AND TRANSFER SITE AT WATERFRONT PARK AND ORETO DRIVE  
WATERFRONT PARK**

ALL DREDGED MATERIAL IS TO BE DEPOSITED WITHIN THE AREA SPECIFIED ON THE PLAN.

DREDGED MATERIAL IS TO BE SHIPPED TO THE PERMANENT SITE AS SOON AS DRY ENOUGH. AT NO TIME WILL THE SPILL PILE HEIGHT EXCEED 12 FEET. ONCE LOADED INTO A TRUCK, SPOIL IS TO RECEIVE A LIGHT SPRAY OF WATER TO CONTROL DUST, AND THE LOAD IS THEN TO BE COVERED.

THE PERIMETER DITCH AND PONDS ARE TO BE LINED TO BE CLEARED SHOULD THEY COLLECT MORE THAN 8 INCHES OF SEDIMENT. SEDIMENT IS TO BE RETURNED TO THE SPILL PILE.

ALL PIPES, METERS, AND EMISSION CONTROL DEVICES ARE TO BE MAINTAINED IN GOOD FUNCTIONING ORDER. ALL SILT PONDERS ARE TO BE INSPECTED AND REPLACED IF NECESSARY, FOLLOWING ANY RAINFALL EVENT.

THE BASE OF THE SPILL PILE, ALL DITCHES AND ALL PONDS ARE TO BE LINED WITH AN IMPERMEABLE FABRIC. THIS FABRIC IS TO BE ADAPT IN FUNCTIONING CONDITION AT ALL TIMES.

AT THE END OF A WORKING DAY THE SIDE SLOPES OF THE SPILL PILE ARE TO BE HYDRO-MULCHED.

AT THE END OF OPERATIONS, ALL SEDIMENT IS TO BE REMOVED FROM THE SPILL PILE AND ALL CLEARED AREAS, EXCEPT WEIRWAYS, ARE TO BE SEEDED AND MULCHED.

**ORETO DRIVE**

THE INTERIM PLY ON ORETO DRIVE IS TO BE FILLED STARTING FROM THE SOUTH END, WORKING NORTH.

THE NORTHEAST CORNER OF THE PROPERTY IS RESERVED FOR STORM WATER MANAGEMENT AND IS NOT TO BE FILLED.

FINISHED GRADING ON THE SITE IS TO BE TOWARDS THE POND.

THE FINISHED SITE SHOULD NOT BE HIGHER THAN TWELVE FEET ABOVE ADJACENT PRIORITIES.

THE ENTIRE SITE IS TO BE SEEDED AND MULCHED.

**CONTAMINATED SOIL**

**CONTAMINATED SOIL**

Spill material that exceed the State commercial recommended levels for metal and priority pollutants shall be blended with spoil material that falls within the State recommended levels.

Blending shall be conducted at Waterfront Park. Blending operations shall occur within the spoil pile location. Contractor shall exercise caution when hauling material to prevent contamination of areas outside the designated area.

The Mixed spoil material will then be stored for due specific priority pollutant(s) and metal(s) that exceeded the State commercial recommended levels as accordance in Chapter 62.777 F.A.C. and blended with additional clean spoil material until it only exceeds the residential recommended levels for metal and priority pollutants.

Only spoil material that have concentrations within the recommended levels for metal and priority pollutants (clean spoil) and exceeds the residential recommended levels for metal and priority pollutants contained in Chapter 62.777 F.A.C. shall be stored at the Oreta Drive Site.

**SPOIL OFFLOADING AREA**

The Contractor shall size his equipment as necessary to fit within the identified off-loading area. Care shall be exercised in all off loading operations to avoid contamination of areas outside the off-loading area.

The Contractor shall completely enclose the offloading area with turbidity barriers prior to offloading any spoil material. Equipment that off loads the spoil shall not swing over any open water areas that are not contained within the turbidity barriers.

Turbidity barrier shall completely enclose the off loading area at all times except when entering and exiting the off loading area.

The Contractor shall perform a bathymetric survey of the offloading area before any dredging operations begin. A bathymetric survey of the offloading area will be performed once dredging of all other channels has been completed. The offloading area shall be dredged, as necessary, to return it to its original condition.

**HYDRAULIC DREDGING**

Contractor shall be responsible for determining the location and sizes of pumps for the hydraulic dredging lines. Pumps and lines shall be placed to minimize impacts on watercraft operations. Contractor shall be responsible for the SWPPP for the pumps.



**THE LPA GROUP**  
TRANSPORTATION CONSULTANTS  
4504 WOODLAND COOP. BLVD  
STATE 400, TAMPA, FLORIDA 33614  
(813) 889-3882  
CORPORATE LICENSE JK0004307

Drawn by: KJD	Checked by: MEK
Project No.: 14	Project Name: LA65527

No.	Description	Date	By

**Project Name:**  
Dredging and Water Quality Enhancement Project  
Port Richey, Florida

**Drawing Name:**  
GENERAL NOTES

**PROJECT NUMBER:**

**DATE OF ISSUE:** TERRY WAYNE MILLER, P.E.  
FLORIDA REGISTRATION #A3238  
Date: May 2007  
GN-1

COE APPL# SAJ-2007-1791 (IP-MPN)  
Sheet 3 of 26

*Wade*  
4/18/07

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**LEGEND**

- PROPOSED DREDGE AREA
- SEAGRASS AREA
- EXISTING BATHYMETRIC SURVEY CONTOURS (NAVD 88)



CITY OF PORT RICHEY, FL

**THE LPA GROUP**  
TRANSPORTATION CONSULTANTS

4501 MOGULAND CORP. BLVD.  
 SUITE 400 TAMPA, FLORIDA 33614  
 (813) 889-3900  
 CORPORATE LICENSE #00034307

Designer: KJD	Checked by: MEK
Draftsman: HJ	Project Number: 1A603620

Notes:  
 1) CHANNEL 1 TOTALS  
 DREDGE AREA = 0.584 AC  
 DREDGE VOLUME = 2175 CY

REVISIONS

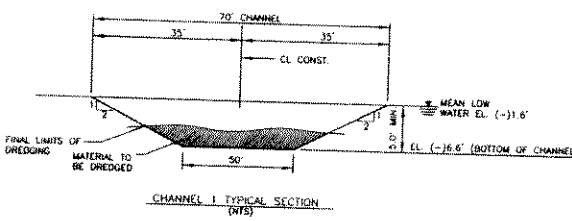
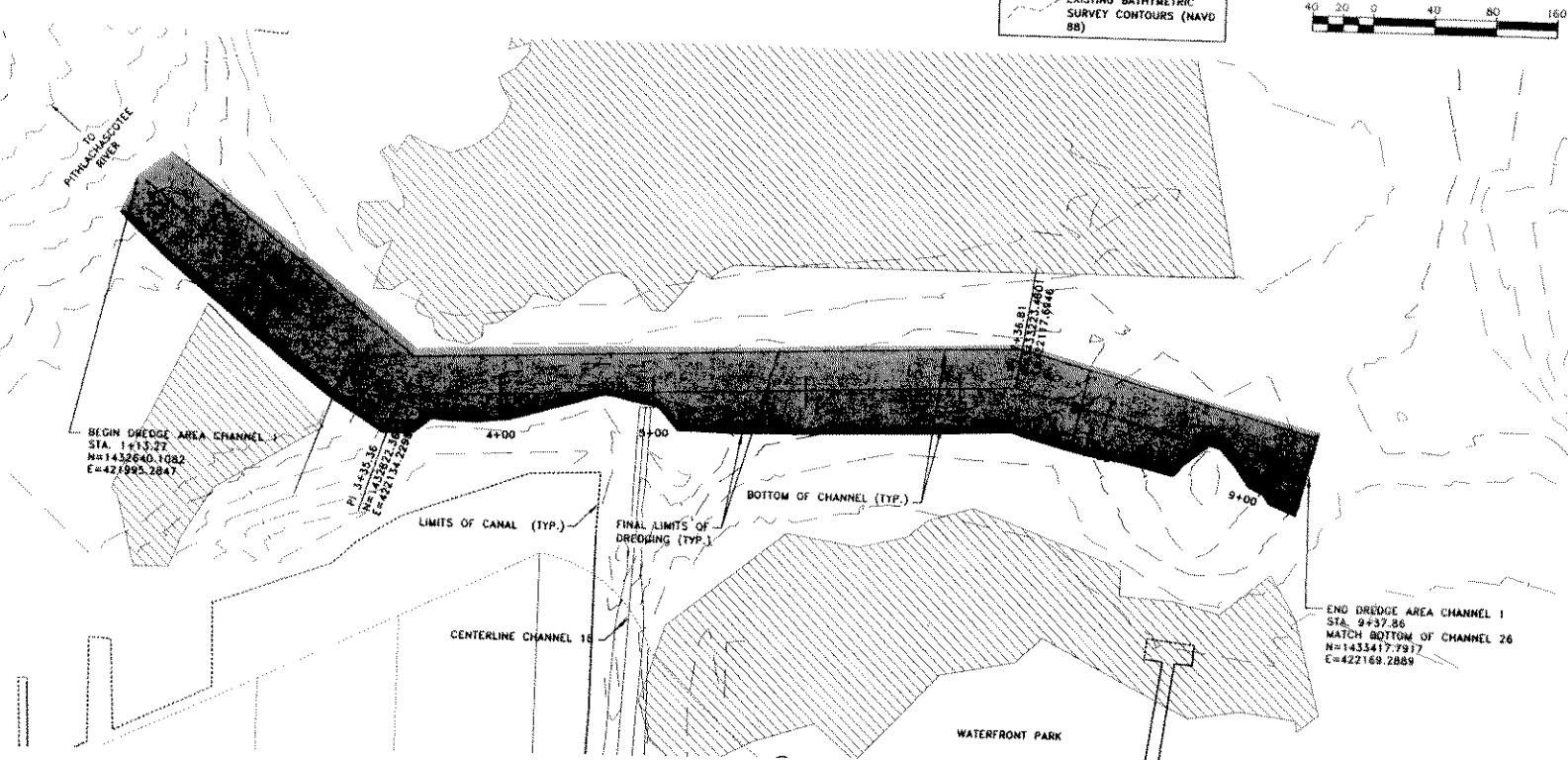
No.	Description	Date	By

Project Name:  
**Dredging and Water Quality Enhancement Project**  
 Port Richey, Florida

Drawing Name:  
**CHANNEL 1 PLAN VIEW**

Project Number:  
 Designer of Record: **MARK E. SCHLEIN, P.E.**  
 FLORIDA REGISTRATION #64445

Date: <b>May 2007</b>	Scale:
Drawing Number: <b>P-1-1</b>	

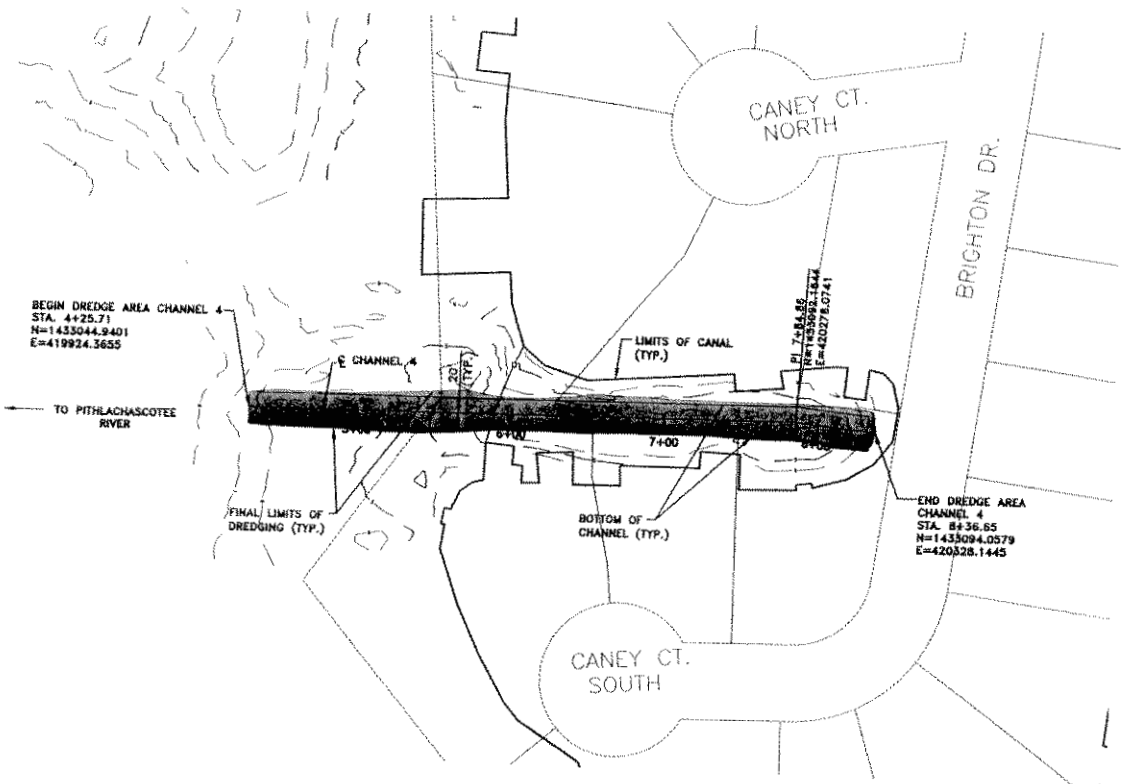


COE APPL# SAJ-2007-1791 (IP-MFN)  
 Sheet 4 of 26

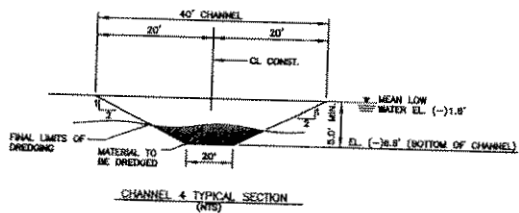
Mark E. Schlein  
 1/12/08



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LEGEND	
	PROPOSED DREDGE AREA
	SEAGRASS AREA
	EXISTING BATHYMETRIC SURVEY CONTOURS (NAVD 88)
	TURBIDITY CONTROL DEVICE (REFER TO FDOT INDEX 103 FOR MORE INFORMATION)



COE APPL# SAJ-2007-1791(IP-MFN)  
 Sheet 6 of 26



**THE LPA GROUP**  
 TRANSPORTATION CONSULTANTS  
 4005 WOODLAND CIRCLE, SUITE 100  
 SUITE 400, TAMPA, FLORIDA 33614  
 (813) 988-3800  
 CORPORATE LICENSE #00004307

Project: KJO	Drawn by: MEK
Location: NJ	Project Number: TARR0020

- 1) CHANNEL 4 TOTALS  
 DREDGE VOLUME = 0.225 AC  
 DREDGE VOLUME = 261 CY
- 2) VERT. DATUM = NAVD88

No.	Description	REVISION	Date	By

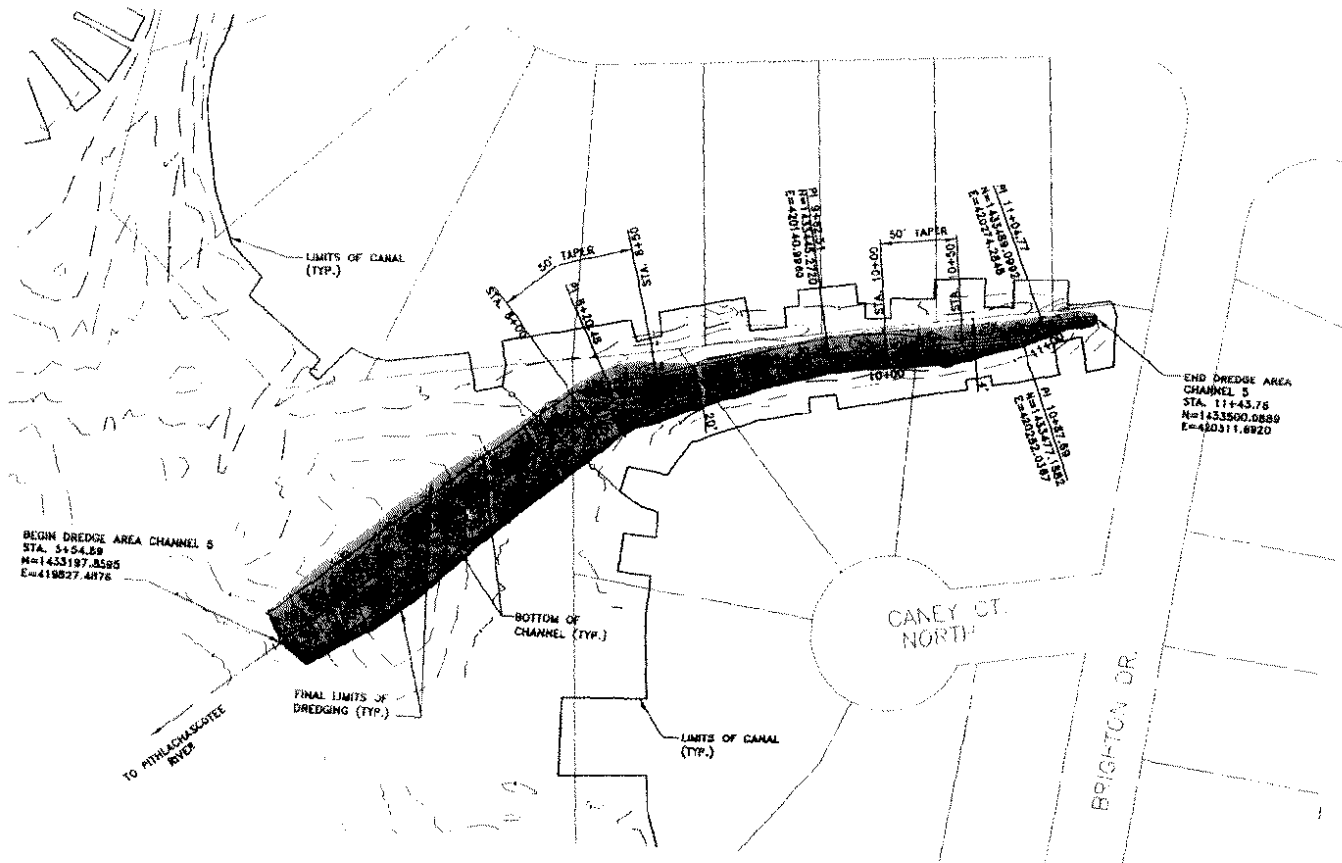
Dredging and Water Quality Enhancement Project  
 Port Richey, Florida

CHANNEL 4  
 PLAN VIEW

PROJECT NUMBER	
DESIGNER OF RECORD	MARK E. NESTLE, P.E. FLORIDA REGISTRATION #04449
DATE	May 2007
DRAWING NUMBER	P-1-4

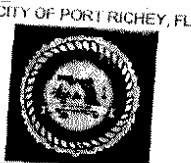
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 1/6/08

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**LEGEND**

- PROPOSED DREDGE AREA
- SEAGRASS AREA
- EXISTING BATHYMETRIC SURVEY CONTOURS (NAVD 84)
- TURBIDITY CONTROL DEVICE (REFER TO FDOT INDEX 103 FOR MORE INFORMATION)



**THE LPA GROUP**  
**TRANSPORTATION CONSULTANTS**  
 4005 WALKER AVE. SUITE 1000  
 TAMPA, FLORIDA 33614  
 (813) 989-1800  
 CORPORATE LICENSE #00004307

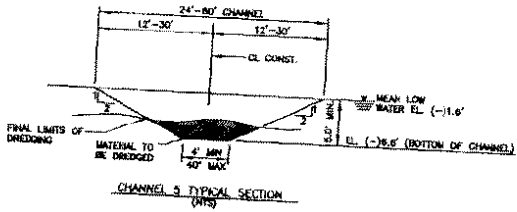
Project: **KUD** Drawn By: **MLK**  
 Title: **WQ** Scale: **TWOXFOUR**  
 Date: **11/20/07**  
 1) CHANNEL 5 TRIALS  
 DREDGE AREA = 0.480 AC  
 DREDGE VOLUME = 1340 CY  
 2) VERT. DATUM = NAVD84

No.	Description	Date	By

Dredging and Water  
 Quality Enhancement Project  
 Port Richey, Florida

**CHANNEL 5  
PLAN VIEW**

PROJECT NUMBER:  
 DESIGNER OF RECORD: **ALAN E. BOYER, P.E.**  
 FLORIDA REGISTRATION #04449  
 DATE: **May 2007**  
 DRAWING NUMBER: **P-1-3**



COE APPL# SAT-2007-1791 (FP-MFN)  
 Sheet 7 of 26

*Handwritten signature*  
 1/10/08



**THE LPA GROUP**  
TRANSPORTATION CONSULTANTS  
4532 WOODLAND CORP. BLVD.  
SUITE 400, TAMPA, FLORIDA 33614  
(813) 888-2882  
CORPORATE LICENSE #000042307

Designed by: KJD Checked by: MED  
 Drawn by: HJ Project Number: TAB6302D

Notes:  
 1) CHANNEL 6 TOTAL DREDGE AREA = 0.649 AC  
 DREDGE VOLUME = 1992 CY  
 2) VERT. DATUM = NAVD83

No.	Description	REVISIONS	Date	By

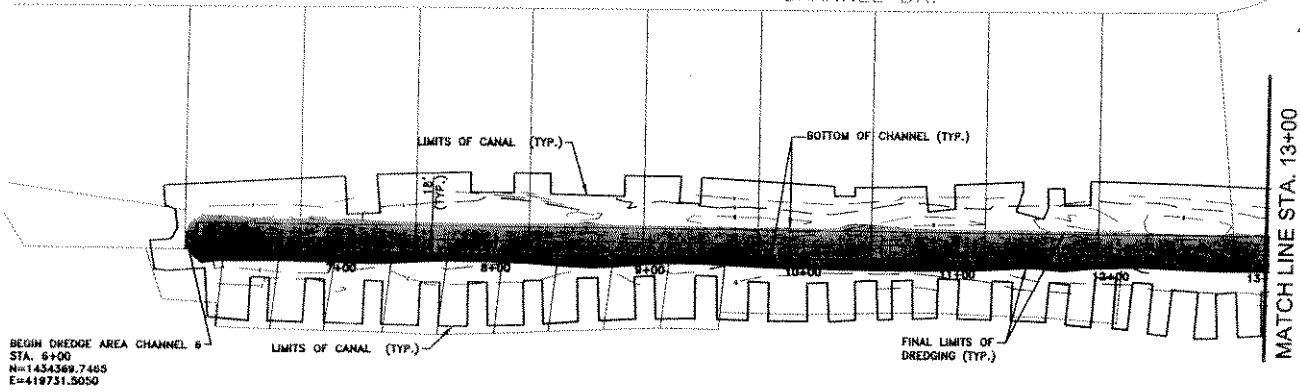
Project Name:  
**Dredging and Water Quality Enhancement Project**  
 Port Richey, Florida

Drawing Name:  
**CHANNEL 6 PLAN VIEW**

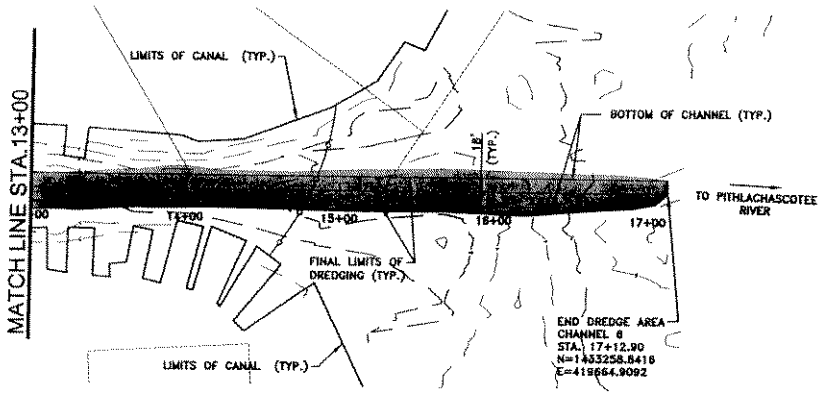
PROJECT NUMBER:  
 DRAWING NO. 2007-1791-IP-MPN

ENGINEER OF RECORD: MARK E. NESTLER, P.E.  
 FLORIDA REGISTRATION #28440  
 Date: May 2007  
 Drawing Number: P-1-6

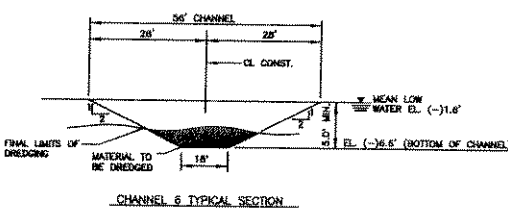
CHANNEL DR.



BEGIN DREDGE AREA CHANNEL 6  
 STA. 6+00  
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 E=419731.5050



END DREDGE AREA CHANNEL 6  
 STA. 17+12.90  
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 E=419864.9092



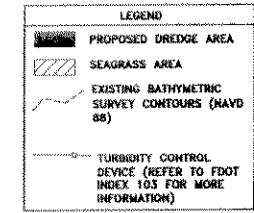
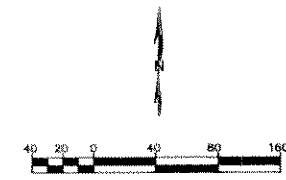
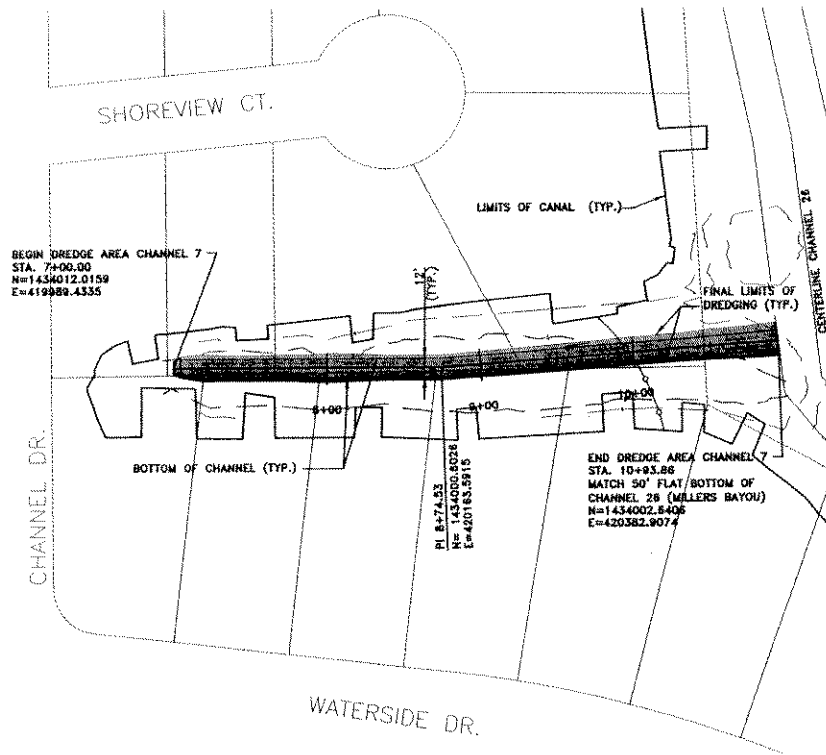
CHANNEL 6 TYPICAL SECTION

COE APPL# SAJ-2007-1791 (IP-MPN)  
 Sheet 8 of 26

*Handwritten signature and date: 1/10/08*

V:\Projects\Port Richey\Projects\TAB6302D Dredging Project\2007 File\CHANNEL 6\PLANVIEW November 20, 2007 - 08:16

Y:\Projects\Port Richey\Projects\TMS2017 Dredging Project\2007 info\CHANNEL 7\PLAN.dwg November 20 2007 - 09:29



**THE LPA GROUP**  
**TRANSPORTATION CONSULTANTS**  
 4363 WOODLAND CORP. BLVD.  
 SUITE 400, TAMPA, FLORIDA 33614  
 (813) 808-2882  
 CORPORATE LICENSE #00004307

Prepared by: KJD	Checked by: MEK
Drawn by: HJ	Project Number: TA080200

- CHANNEL 7 TOTALS  
 DREDGE AREA = 0.187 AC  
 DREDGE VOLUME = 2779 CY
- VERT. DATUM = NAVD88

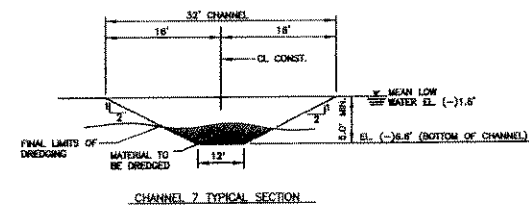
REVISIONS			
No.	Description	Date	By

Project Name:  
**Dredging and Water Quality Enhancement Project**  
 Port Richey, Florida

Drawing Name:  
**CHANNEL 7 PLAN VIEW**

Project Number:  
 Number of Revisions: MARK E. KEUTLER, P.E.  
 FLORIDA REGISTRATION #8449

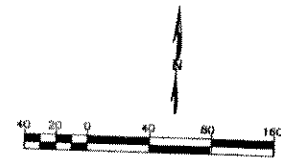
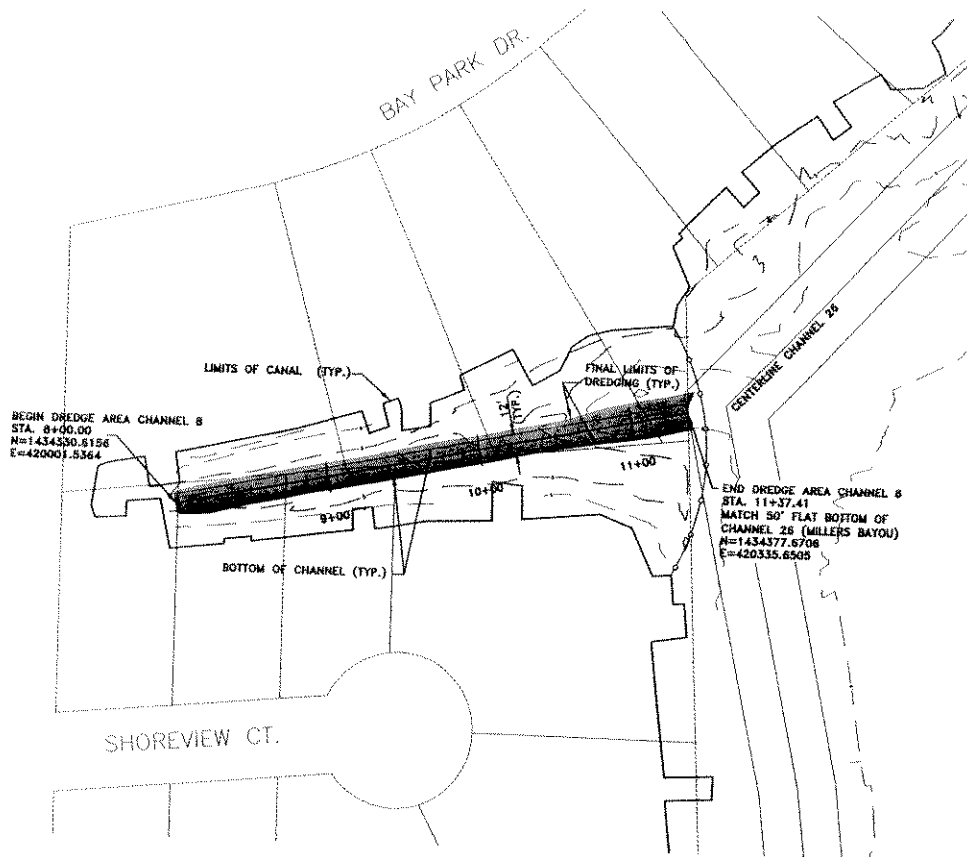
Date:	May 2007
Sheet:	
Drawing Number:	P-1-7



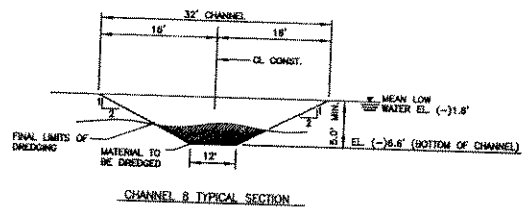
COE APPL# SAJ-2007-1791 (IP-MFN)  
 Sheet 9 of 26

*Mark E. Keutler*  
 1/12/06

Y:\Projects\Port Richey\Projects\Task2007 Dredging Project\2007 Info\CHANNEL 8\PLAN.dwg November 20 2007 10:56:33



LEGEND	
	PROPOSED DREDGE AREA
	SEAGRASS AREA
	EXISTING BATHYMETRIC SURVEY CONTOURS (NAVD 88)
	TURBIDITY CONTROL DEVICE (REFER TO FDOT INDEX 103 FOR MORE INFORMATION)



COE APPL# SAJ-2007-1791(IP-MFN)  
 Sheet 10 of 26

*Mark C. [Signature]*  
 4/10/08

CITY OF PORT RICHEY, FL



**THE LPA GROUP**  
 TRANSPORTATION CONSULTANTS  
 HIGH WOODLAND CORP. BLDG.  
 SUITE 400, TAMPA, FLORIDA 33614  
 (813) 988-3602  
 COMPANY LICENSE #00004307

Designer: KJD	Checked by: MEX
Scale: 1/1	Project Number: TAB09020

- 1) CHANNEL 8 TOTALS:  
DREDGE AREA = 0.147 AC  
DREDGE VOLUME = 332 CY
- 2) VERT. DATUM = NAVD88

REVISIONS			
No.	Description	Date	By

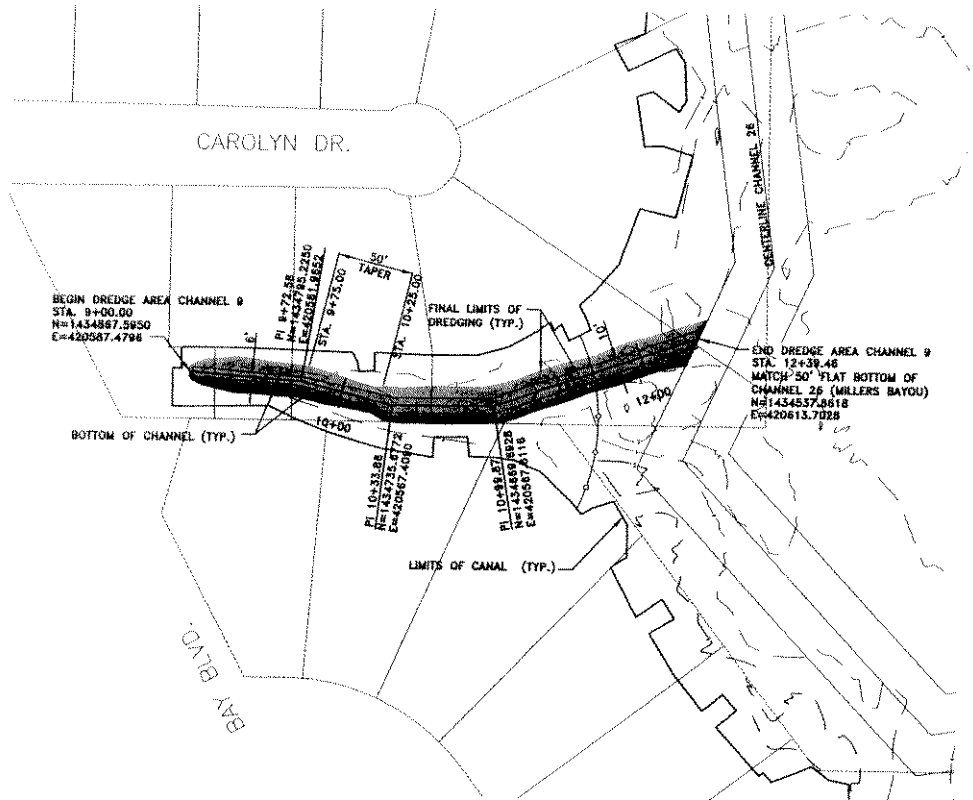
Project Name:  
**Dredging and Water Quality Enhancement Project**  
 Port Richey, Florida

Drawing Name:  
**CHANNEL 8 PLAN VIEW**

PROJECT NUMBER:  
 DRAWING NUMBER:

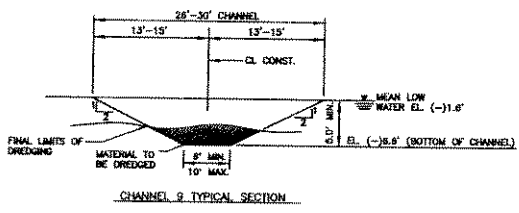
DATE:	May 2007
DRAWING NUMBER:	P-1-8

Y:\Projects\Port Richey\Projects\TMS2007 Dredging Project\3207 9-61 CHANNEL - 9-15-07.dwg November 26, 2007 - 06:26



**LEGEND**

- PROPOSED DREDGE AREA
- SEAGRASS AREA
- EXISTING BATHYMETRIC SURVEY CONTOURS (NAVD BB)
- TURBIDITY CONTROL DEVICE (REFER TO FDOT INDEX 103 FOR MORE INFORMATION)



COE APPL# SAJ-2007-1791 (IP-MFN)  
Sheet 11 of 26

*Handwritten signature and date:*  
1/18/08



**The LPA GROUP**  
TRANSPORTATION CONSULTANTS  
4082 WOODLAND CORP. BLVD.  
SUITE 400, TAMPA, FLORIDA 33614  
(813) 866-2882  
CORPORATE LICENSE #00004307

DESIGNED BY	MEK
CHECKED BY	TAM3020

- NOTES:
- 1) CHANNEL 9 TOTALS:  
DREDGE AREA = 0.171 AC  
DREDGE VOLUME = 602 CY
  - 2) VERT. DATUM = NAVD83

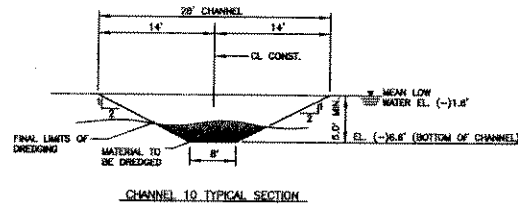
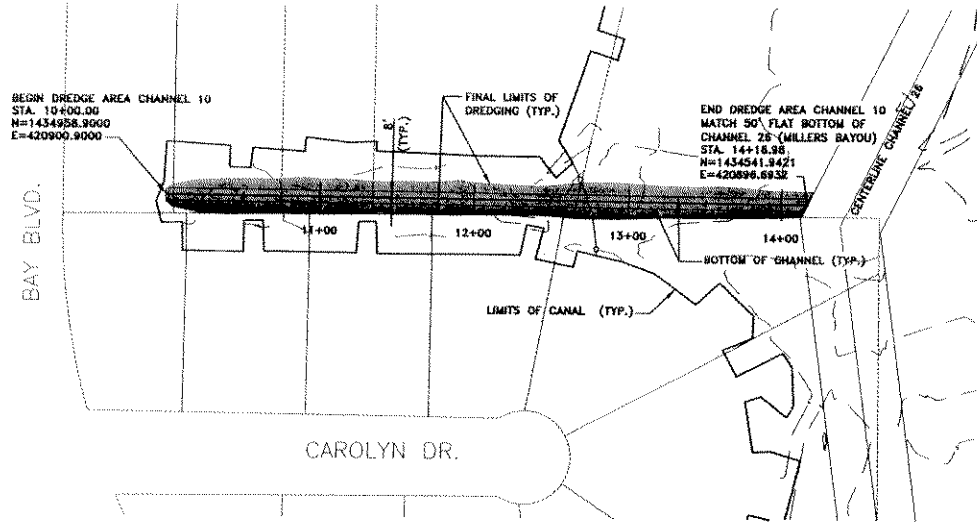
No.	Description	Date	By

**Dredging and Water Quality Enhancement Project**  
Port Richey, Florida

**CHANNEL 9 PLAN VIEW**

DESIGNED BY	MARK E. HUSTLER, P.E. FLORIDA REGISTRATION #54448
DATE	May 2007
PROJECT NUMBER	P-1-9

Y:\Projects\Port Recovery\Projects\7465001\ Dredging Project\2007\10\10\_Plan.dwg November 26 2007 - 09:41



COE APPL# SAJ-2007-1791 (IP-MPN)  
 Sheet 12 of 26

*Mark E. Kistler*  
 1/18/02



**THE LPA GROUP**  
 TRANSPORTATION CONSULTANTS  
 4082 HOLLAND CIRCLE, S.W.  
 SUITE 400, TAMPA, FLORIDA 33614  
 (813) 889-3992  
 CORPORATE LICENSE #00004307

Drawn by: MEK	Checked by:
Project Number: 14883020	

1) CHANNEL 10 TOTALS  
 DREDGE AREA = 0.196 AC  
 DREDGE VOLUME = 699 CY  
 2) VERT. DATUM = NAVD88

REVISIONS			
No.	Description	Date	By

Project Name:  
 Dredging and Water Quality Enhancement Project  
 Port Richey, Florida

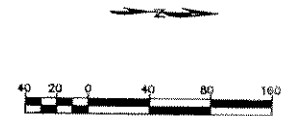
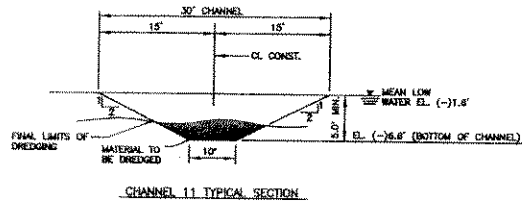
Drawing Name:  
 CHANNEL 10  
 PLAN VIEW

PROJECT NUMBER:  
 DRAWN BY: MARK E. KISTLER, P.E.  
 FLORIDA REGISTRATION #64446

Date:  
 May 2007  
 Scale:  
 Drawing Number:  
 P-1-10

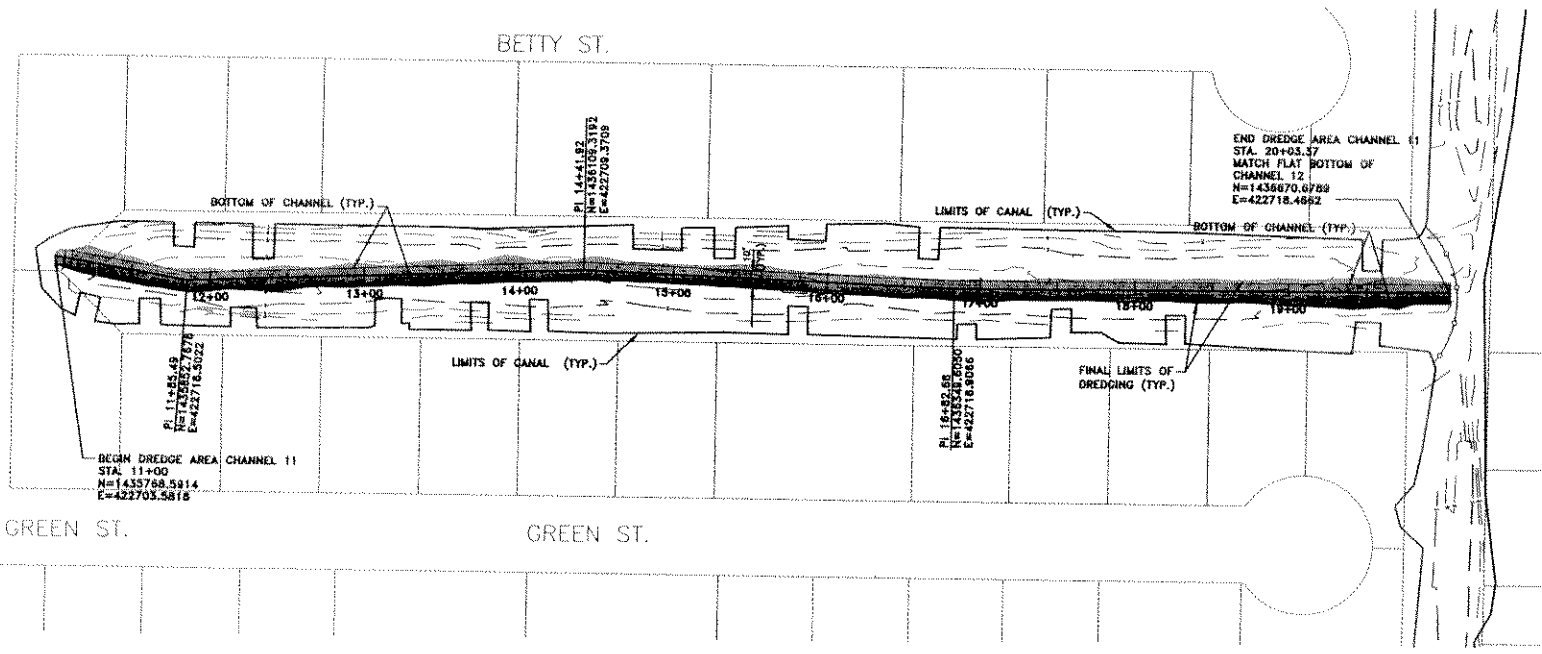


**THE LPA GROUP**  
**LPA**  
**TRANSPORTATION CONSULTANTS**  
 4002 WOODLAND DR. #100  
 SUITE 400, TAMPA, FLORIDA 33614  
 (813) 999-3822  
 CORPORATE LICENSE #00004307



**LEGEND**

- PROPOSED DREDGE AREA
- SEAGRASS AREA
- EXISTING BATHYMETRIC SURVEY CONTOURS (NAVD 88)
- TURBIDITY CONTROL DEVICE (REFER TO FDOT INDEX 103 FOR MORE INFORMATION)



Drawn by: KJD	Checked by: MER
Scale: 1/4"	Project Number: TAB00020

Notes:  
 1) CHANNEL 11 TOTALS  
 DREDGE AREA = 0.300 AC  
 DREDGE VOLUME = 499 CY  
 2) VERT. DATUM = NAVD88

**REVISIONS**

No.	Description	Date	By

Project Name:  
 Dredging and Water Quality Enhancement Project  
 Port Richey, Florida

Drawing Name:  
**CHANNEL 11  
 PLAN VIEW**

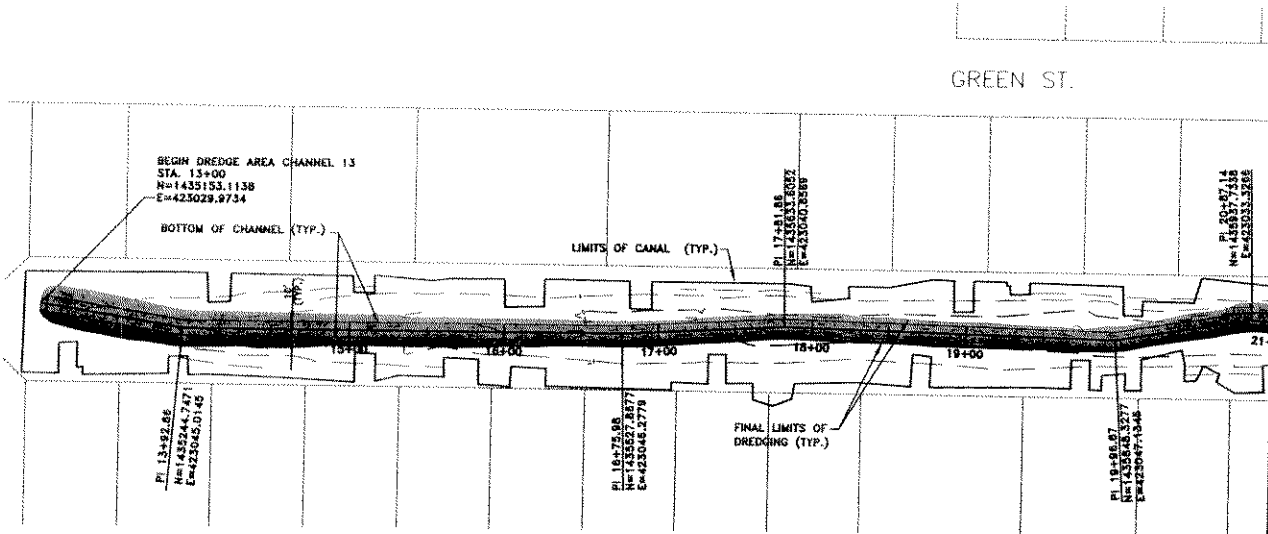
Project Number:  
 Designer of Record: MARK E. WISLER, P.E.  
 FLORIDA REGISTRATION #04444

Date:  
 May 2007  
 Drawing Review:  
 P-1-11

Y:\Projects\Port Richey\Projects\TAB00020\Channel 11\11\_CHAN.dwg November 20 2007 - 08:45

*Mark E. Wisler*  
 11/2/08

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**LEGEND**

- PROPOSED DREDGE AREA
- SEAGRASS AREA
- EXISTING BATHYMETRIC SURVEY CONTOURS (MAYD 88)
- TURBIDITY CONTROL DEVICE (REFER TO FOOT INDEX 103 FOR MORE INFORMATION)



**THE LPA GROUP, INC.**  
 TRANSPORTATION CONSULTANTS  
 4005 WOODLAND GARDEN BLVD.  
 ALEXIE 400, TAMPA, FLORIDA 33614  
 (813) 880-3800  
 CORPORATE LICENSE #00004-007

Designed by: KJO      Checked by: MSK  
 Subcontractor: HJ      Project Number: 7465307D

- 1) CHANNEL 13 IDEALS  
 DREDGE AREA = 0.837 AC  
 DREDGE VOLUME = 921 CY
- 2) VERT. DATUM = NAVD83

No.	Description	Reviewed	Date	By

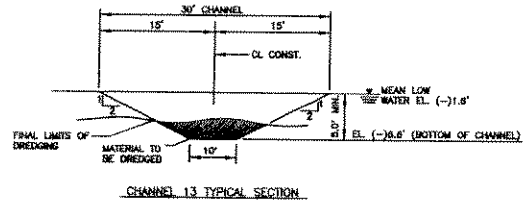
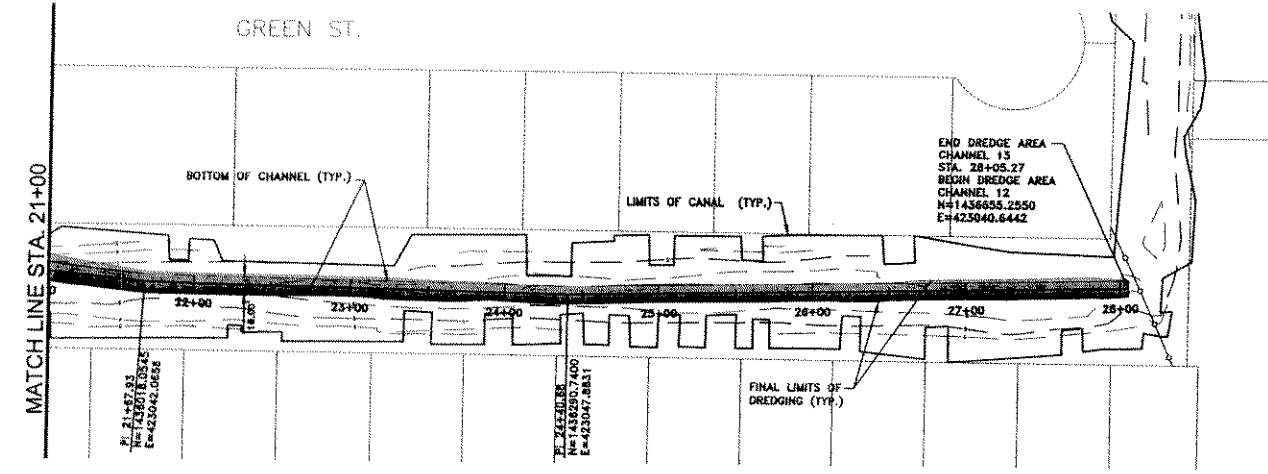
Project Name:  
 Dredging and Water Quality Enhancement Project  
 Port Manatee, Florida

Drawing Name:  
**CHANNEL 13  
 PLAN VIEW**

Project Number:  
 7465307D

OWNER OF RECORD: WALKER & BEULER, P.S.  
 FLORIDA REGISTRATION #51448

Date:  
 May 2007  
 Drawing Number:  
 P-1-13



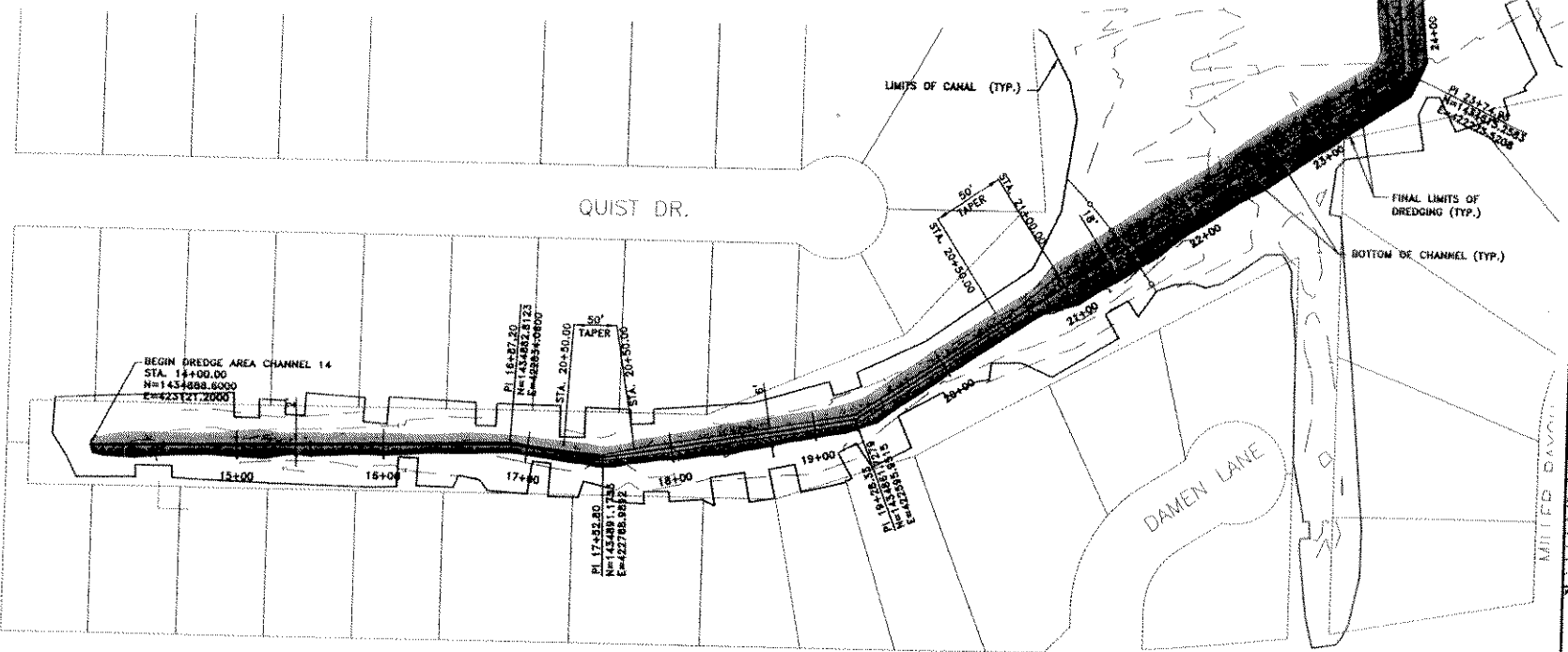
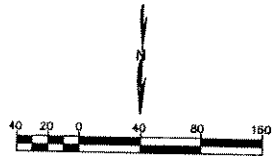
COE APPL# SAJ-2007-1791 (IP-MFN)  
 Sheet 14 of 26

*Handwritten signature and date:*  
 [Signature]  
 11/2/06

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**LEGEND**

- PROPOSED DREDGE AREA
- SEAGRASS AREA
- EXISTING BATHYMETRIC SURVEY CONTOURS (NAVY 86)
- TURBIDITY CONTROL DEVICE (REFER TO FOOT INDEX 103 FOR MORE INFORMATION)



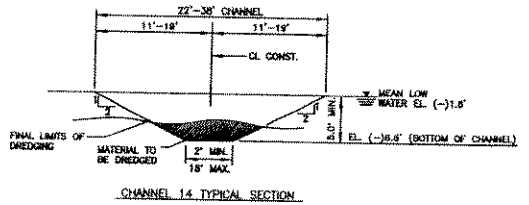
END DREDGE AREA CHANNEL 14  
 STA. 24+28.25  
 MATCH 50' FLAT BOTTOM OF  
 CHANNEL 25 (MILLERS BAYOU)  
 N=1434552.1838  
 E=422228.6102

BEGIN DREDGE AREA CHANNEL 14  
 STA. 14+00.00  
 N=1434888.6000  
 E=423121.2000

PL 16+57.50  
 N=1434824.8123  
 E=422834.9280  
 STA. 20+50.00  
 50' TAPER  
 STA. 20+50.00

PL 17+52.50  
 N=1434801.1133  
 E=422798.5852  
 STA. 20+50.00  
 50' TAPER  
 STA. 20+50.00

PL 18+25.00  
 N=1434788.5852  
 E=422798.5852  
 STA. 20+50.00  
 50' TAPER  
 STA. 20+50.00



COE APPL# SAJ-2007-1791(IP-MFN)  
 Sheet 15 of 26



**THE LPA GROUP**  
 TRANSPORTATION CONSULTANTS  
 4103 WOODLAND CORP. BLDG.  
 SUITE 400, TAMPA, FLORIDA 33614  
 (813) 988-3802  
 CORPORATE LICENSE #00004307

Drawn by: KJD	Checked by: MEK
Project Number: HU	TA068020

- 1) CHANNEL 14 TOTAL DREDGE AREA = 0.513 AC DREDGING VOLUME = 1347 CY
- 2) VERT. DATUM = NAVD83

No.	Description	PROVISION	Date	By

Dredging and Water Quality Enhancement Project  
 Port Richey, Florida

CHANNEL 14 PLAN VIEW

PROJECT NUMBER:  
 ENGINEER OF RECORD: MARK S. TOSTLER, P.E.  
 FLORIDA REGISTRATION #01448

Date: May 2007
Sheet: P-1-14

*Mark S. Tostler*  
1/16/07



**THE LPA GROUP**  
TRANSPORTATION CONSULTANTS  
4545 REEF ROAD, SUITE 2000  
TAMPA, FLORIDA 33614  
(813) 989-1000  
CORPORATE LICENSE #00000007

Drawn by: KJD  
Checked by: MEN  
Project Number: 1515\_PUNDRG  
Task Number: T0000000

1) CHANNEL 15 TOTAL DREDGE AREA = 0.353 AC  
DREDGE VOLUME = 1147 LT  
2) VERT. DATUM = NAVD83

No.	Description	Date	By

Dredging and Water Quality Enhancement Project  
Port Richey, Florida

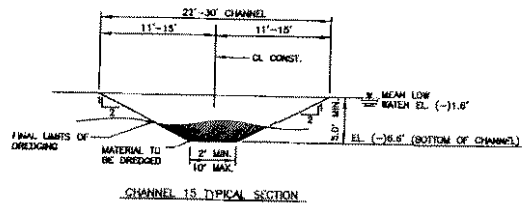
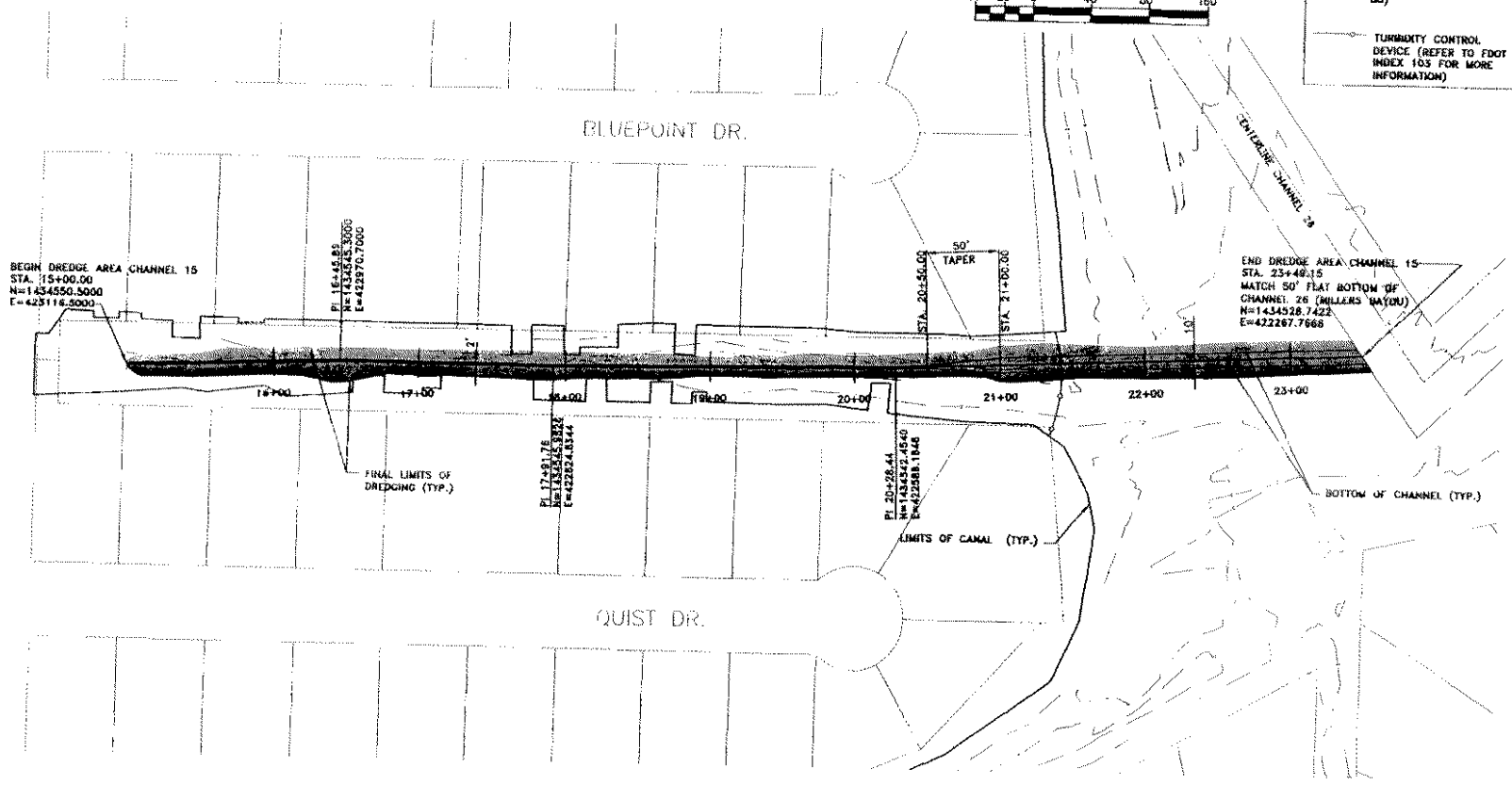
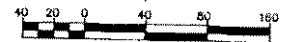
**CHANNEL 15  
PLAN VIEW**

PROJECT NUMBER: 1515\_PUNDRG  
DESIGNER OF RECORD: MARK E. KOTTEL, P.E.  
FLORIDA REGISTRATION #04446

Date: May 2007  
Drawing Number: P-1-15

**LEGEND**

- PROPOSED DREDGE AREA
- SEAGRASS AREA
- EXISTING BATHYMETRIC SURVEY CONTOURS (NAVD 83)
- TURBIDITY CONTROL DEVICE (REFER TO FDOT INDEX 103 FOR MORE INFORMATION)

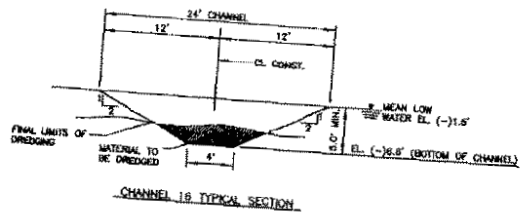
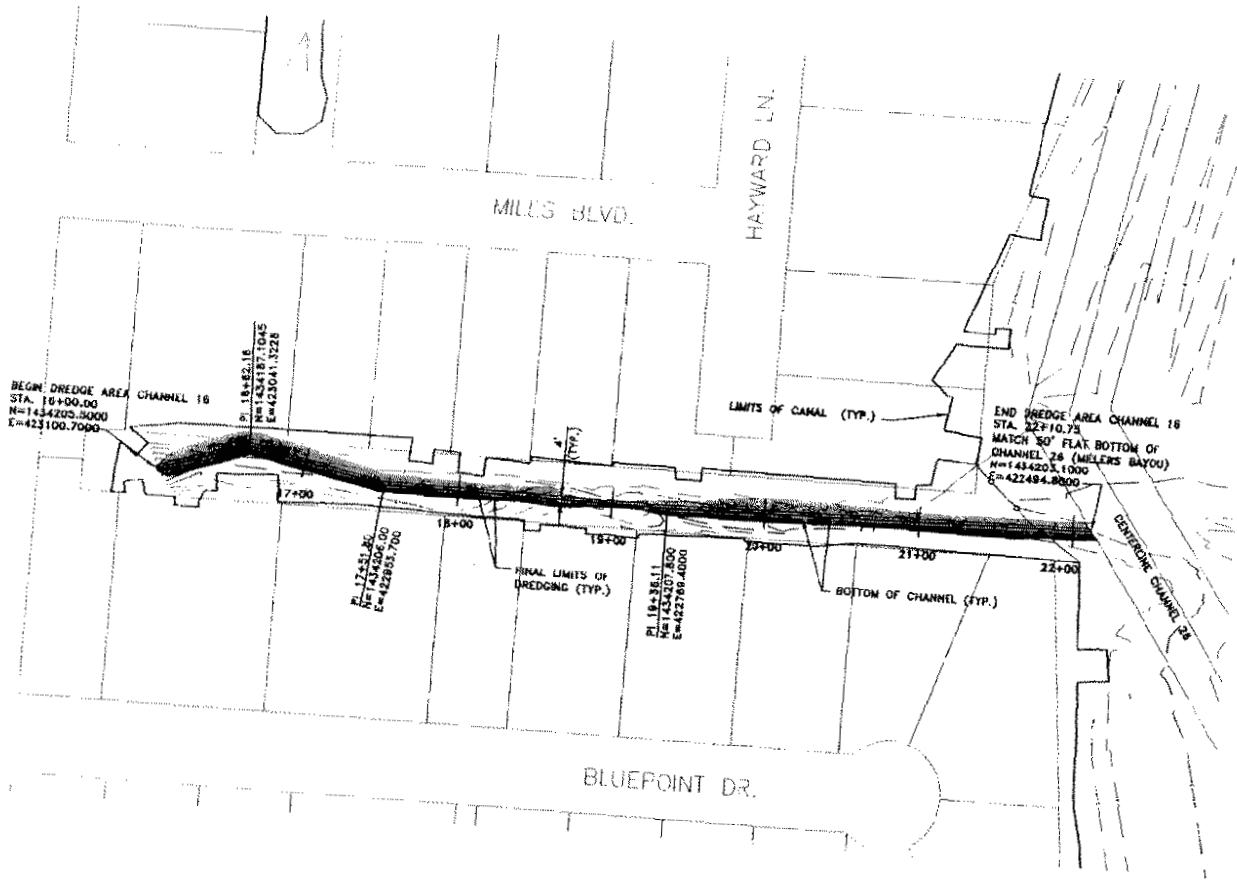


COE APPL# SAJ-2007 1791 (IP-MFN)  
Sheet 16 of 26

*Mark E. Kottel*  
4/18/08

Y:\Projects\Port Richey\Project\1515\_PUNDRG\1515\_PUNDRG.dwg November 20 2007 - 10:25

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COE APPL# SAJ-2007-1793 (IP MFN)  
 Sheet 17 of 36



LEGEND

	PROPOSED DREDGE AREA
	SEAGRASS AREA
	EXISTING BATHYMETRIC SURVEY CONTOURS (NAVD 88)
	TURBIDITY CONTROL DEVICE (REFER TO FOOT INDEX 103 FOR MORE INFORMATION)



**THE LPA GROUP**  
 TRANSPORTATION CONSULTANTS  
 4805 BOULDER BLVD., SUITE 400  
 TAMPA, FLORIDA 33614  
 (813) 488-3892  
 CORPORATE LICENSE #24404-307

Project No:	K-11	Drawn by:	MBK
Revision:	1A2	Project Name:	TAMPSOARD

- 1) CHANNEL 16 TOTAL DREDGE AREA = 0.176 AC DREDGE VOLUME = 362 CY
- 2) VERT. DIMEN = NAVD88

REVISIONS		
No.	Description	Date

Dredging and Water Quality Enhancement Project  
 Port Recovery, Florida

**CHANNEL 16  
 PLAN VIEW**

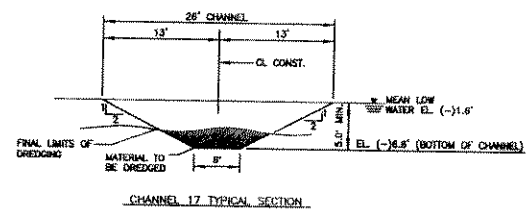
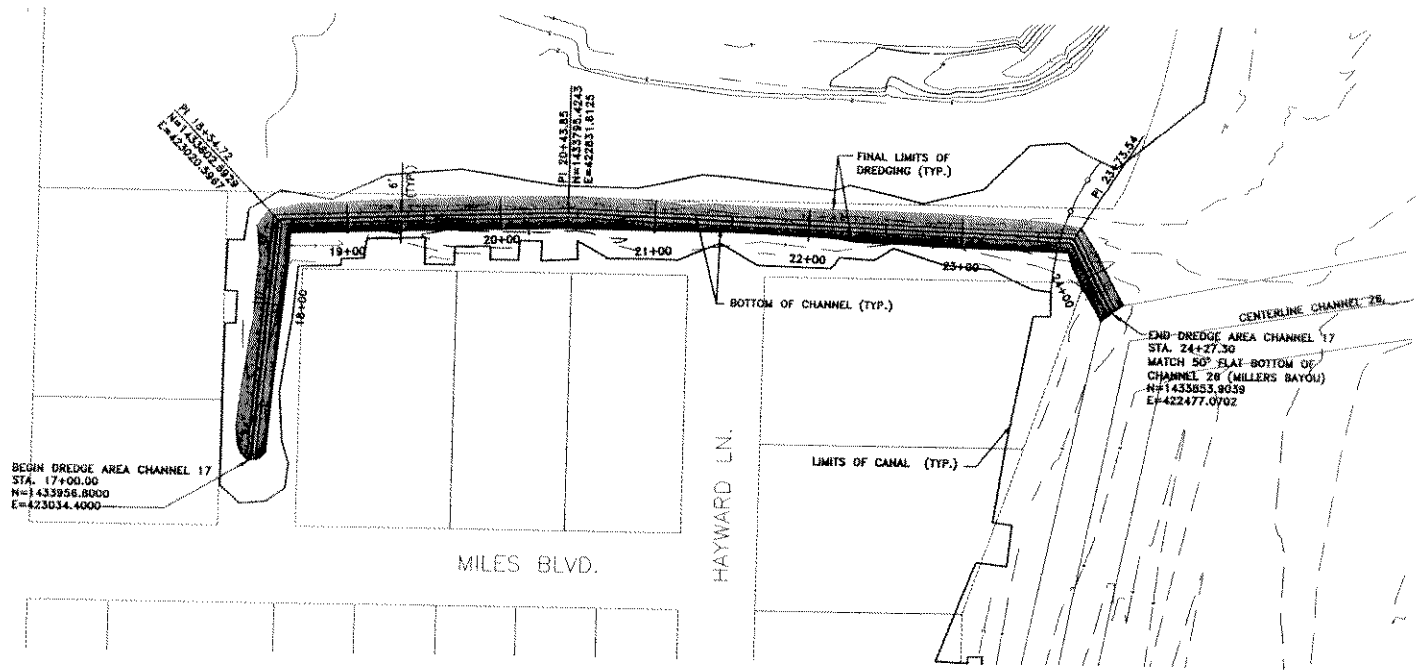
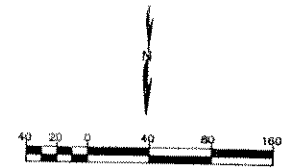
PROJECT NUMBER:	
DESIGNER OF RECORD:	MARK E. NIELSEN, P.E. FLORIDA REGISTRATION #24404
DATE:	May 2007
PROJECT WORKSHEET:	P-1-16

*Mark E. Nielsen*  
 11/2/08

Y:\Projects\Port Richey\Projects\0653017 Dredging Project\2007 info\CHANNEL 17\17\_Plan.dwg November 20 2007 - 10:14

**LEGEND**

- PROPOSED DREDGE AREA
- SEAGRASS AREA
- EXISTING BATHYMETRIC SURVEY CONTOURS (NAVD 88)
- TURBIDITY CONTROL DEVICE (REFER TO FOOT INDEX 103 FOR MORE INFORMATION)



COE APPL# SAJ-2007-1791 (IP-MPN)  
 Sheet 18 of 26

CITY OF PORT RICHEY, FL

**THE LPA GROUP**  
 TRANSPORTATION CONSULTANTS

4045 WOODLAND CORP. BLVD.  
 SUITE 400, TAMPA, FLORIDA 33614  
 (813) 886-3872  
 CORPORATE LICENSE #00004307

Designer: KJO	Checked by: MEK
Contractor: LG	Project Number: TAB05020

- 1) CHANNEL 17 TOTALS  
 DREDGE AREA = 0.323 AC  
 DREDGE VOLUME = 102.3 CY
- 2) VERT. DATUM = NAVD88

REVISIONS			
No.	Description	Date	By

**Project Name:**  
 Dredging and Water Quality Enhancement Project  
 Port Richey, Florida

**Drawing Name:**  
 CHANNEL 17  
 PLAN VIEW

**PROJECT NUMBER:**  
 CHANNEL 17

**DESIGNER OF RECORD:** MARK E. HESSLER, P.E.  
 FLORIDA REGISTRATION #64448

**Date:** May 2007

**Scale:**

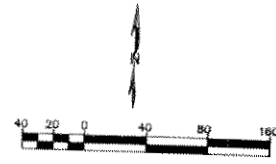
**Drawing Number:** P-1-17

*Mark E. Hessler*  
 11/20/07

Y:\Projects\Port Richey\Projects\Task3017 Dredging Project\2007 mfs\CHANNEL 18\18\_plan.dwg November 20, 2007 - 10:18

**LEGEND**

- PROPOSED DREDGE AREA
- SEAGRASS AREA
- EXISTING BATHYMETRIC SURVEY CONTOURS (NAVD 88)
- TURBIDITY CONTROL DEVICE (REFER TO FDOT INDEX 103 FOR MORE INFORMATION)



**THE LPA GROUP**  
 TRANSPORTATION CONSULTANTS  
 1500 WOODLAND CENTER BLVD.  
 SUITE 400, TAMPA, FLORIDA 33614  
 (813) 989-3002  
 CORPORATE LICENSE #00004307

Project: K10	Drawn by: MEK
Substation: LU	Project Number: TA090020

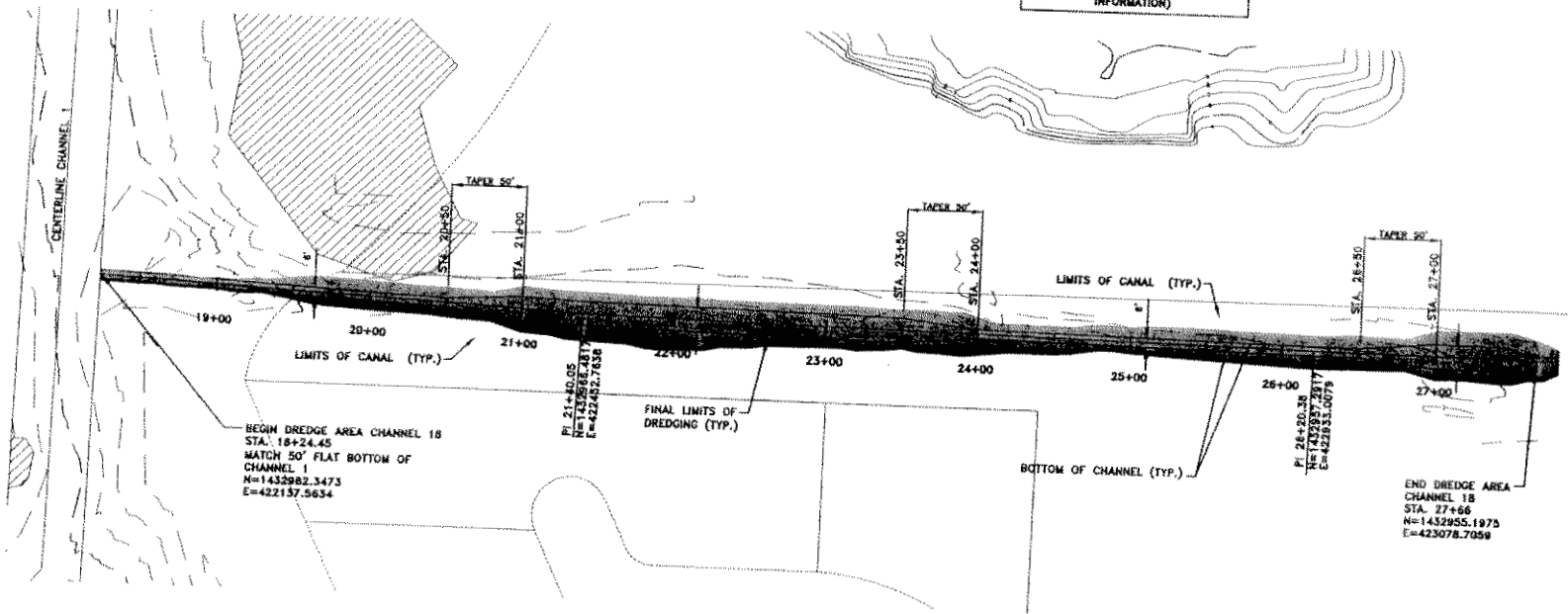
- Notes:**
- 1) CHANNEL 18 TOTALS  
 DREDGE AREA = 0.468 AC  
 DREDGE VOLUME = 1833 CY  
 NO SEAGRASS IMPACT
  - 2) VERT. DATUM = NAVD83

No.	Description	Date	By

Project Name:  
**Dredging and Water Quality Enhancement Project**  
 Port Richey, Florida

CHANNEL 18  
 PLAN VIEW

Project Number:	
DESIGNER OF RECORD: MARK E. KRUEGER, P.E. FLORIDA REGISTRATION #04460	Date: May 2007
Drawing Number: P-1-18	

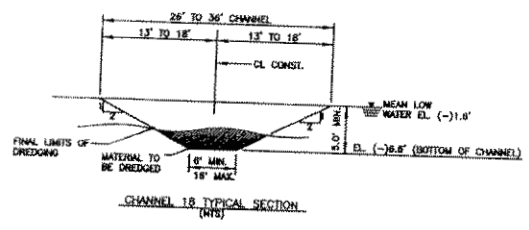


BEGIN DREDGE AREA CHANNEL 18  
 STA. 18+24.45  
 MATCH 50' FLAT BOTTOM OF  
 CHANNEL 1  
 N=1432982.3473  
 E=422157.5634

PI 21+40.05  
 NI=1432982.7871  
 E=422462.7638

PI 26+20.38  
 NI=1432987.2817  
 E=423033.0078

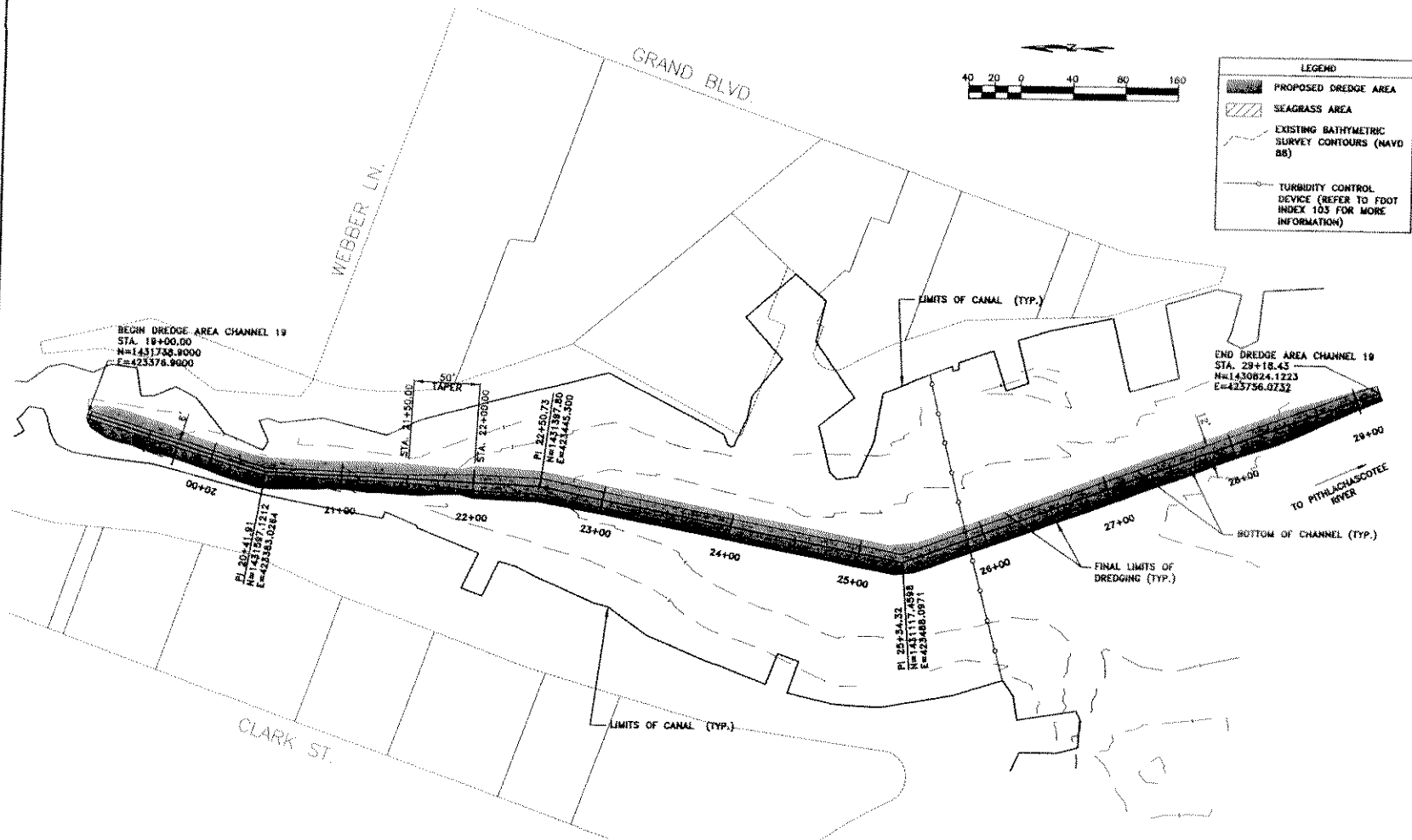
END DREDGE AREA  
 CHANNEL 18  
 STA. 27+66  
 N=1432955.1975  
 E=423078.7059



COE APPL# SAJ-2007-1791 (IP-MFN)  
 Sheet 19 of 26

Mark Krueger  
 1/18/08

Y:\Projects\Port Richey\Projects\TAM3307 Dredging Project\2007\16161\_Plan.dwg November 20 2007 - 10:26



**LEGEND**

- PROPOSED DREDGE AREA
- SEAGRASS AREA
- EXISTING BATHYMETRIC SURVEY CONTOURS (NAVD 88)
- TURBIDITY CONTROL DEVICE (REFER TO FDOT INDEX 103 FOR MORE INFORMATION)

CITY OF PORT RICHEY, FL



**THE LPA GROUP**  
 TRANSPORTATION CONSULTANTS  
 4905 WOODLAND COURT, SUITE 1  
 TAMPA, FLORIDA 33614  
 (813) 988-3000  
 CORPORATE LICENSE #00004307

Designer: KJO	Checked by: MEX
Submitted: HJ	Project Number: TAM3307D

1) CHANNEL 19 DESIGN  
 DREDGE AREA = 0.500 AC  
 DREDGE VOLUME = 1608 CY

2) VERT. DATUM = NAVD88

**REVISIONS**

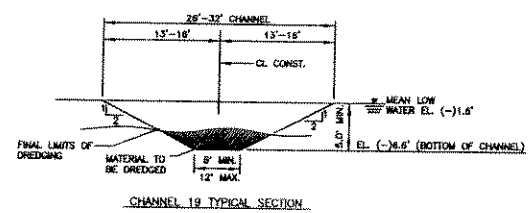
No.	Description	Date	By

Dredging and Water Quality Enhancement Project  
 Port Richey, Florida

**CHANNEL 19  
 PLAN VIEW**

PROJECT MANAGER:  
 MEMBER OF RECORD: MARK E. WHEELER, P.E.  
 FLORIDA REGISTRATION #64448

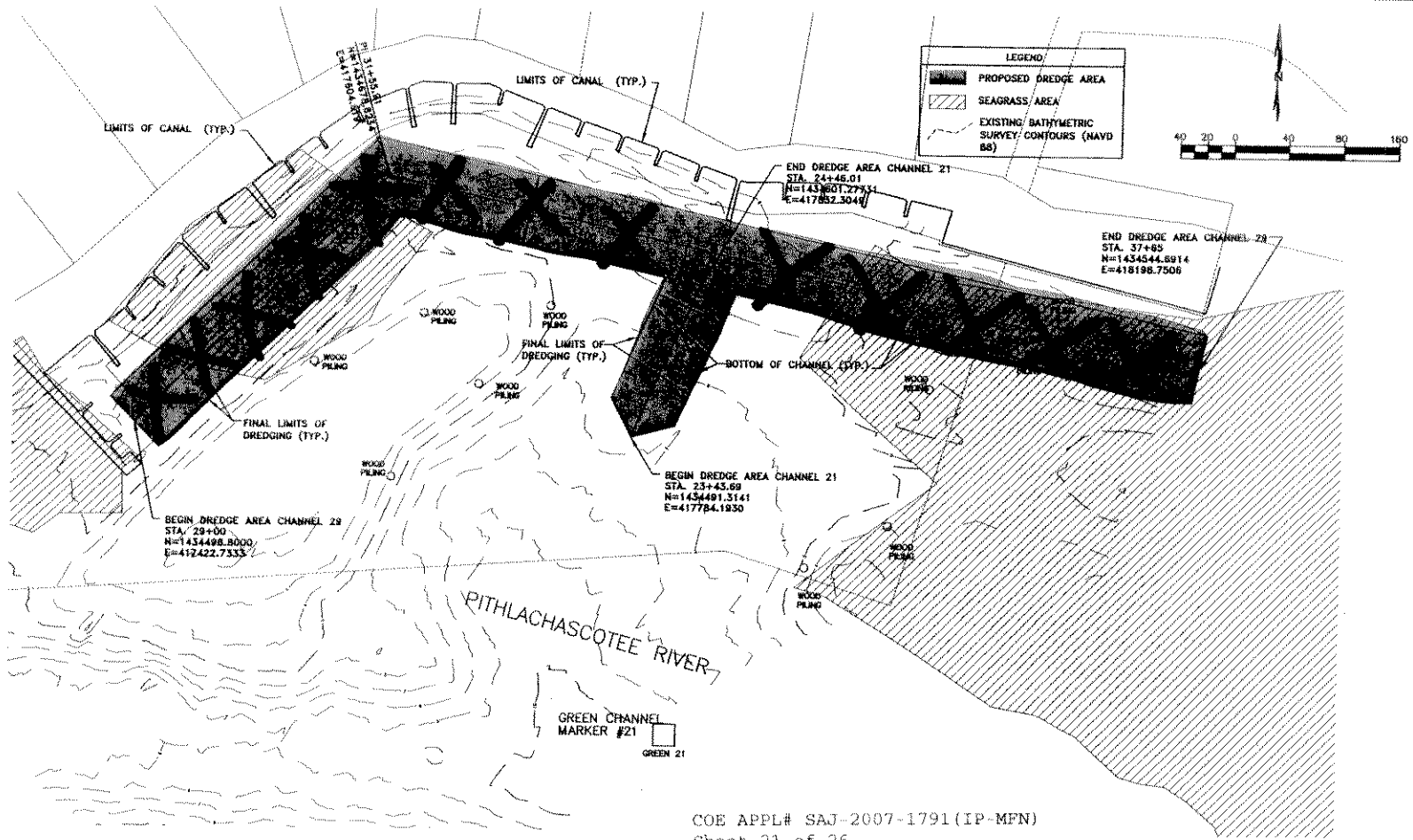
Date:	May 2007
Sheet:	
Drawing Number:	P-1-19



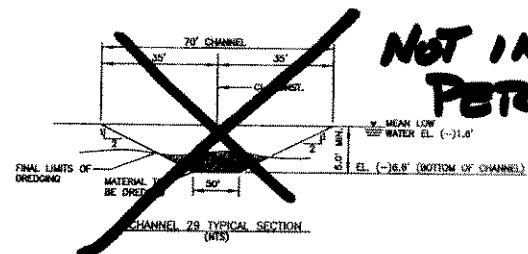
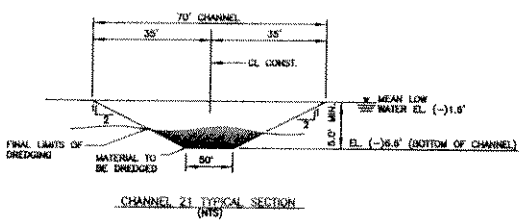
COE APPL# SAJ-2007-1791 (IP-MFN)  
 Sheet 20 of 26

*M. J. [Signature]*  
 11/6/06

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COE APPL# SAJ-2007-1791 (IP-MFN)  
Sheet 21 of 26



**NOT IN THIS PERMIT**

**X - delete Channel 29**



**THE IFA GROUP**  
TRANSPORTATION CONSULTANTS  
4001 WOODLAND CORP. BLVD.  
SUITE 400, TAMPA, FLORIDA 33614  
(813) 686-2662  
CORPORATE LICENSE #0004307

Project: RJD	Client: MEK
Location: FL	Project Number: TAB0020

Notes:  
 1) CHANNEL 21 TOTALS  
 DREDGE AREA = 0.153 AC  
 DREDGE VOLUME = 123 CY  
 NO SEAGRASS IMPACT  
 CHANNEL 29 TOTALS  
 DREDGE AREA = 1.091 AC  
 DREDGE VOLUME = 2301 CY  
 SEAGRASS IMPACT = 0.051 AC  
 2) VERT. DATUM = MVD88

No.	Description	Date	By

Dredging and Water Quality Enhancement Project  
Port Richey, Florida

CHANNEL 21  
PLAN VIEW

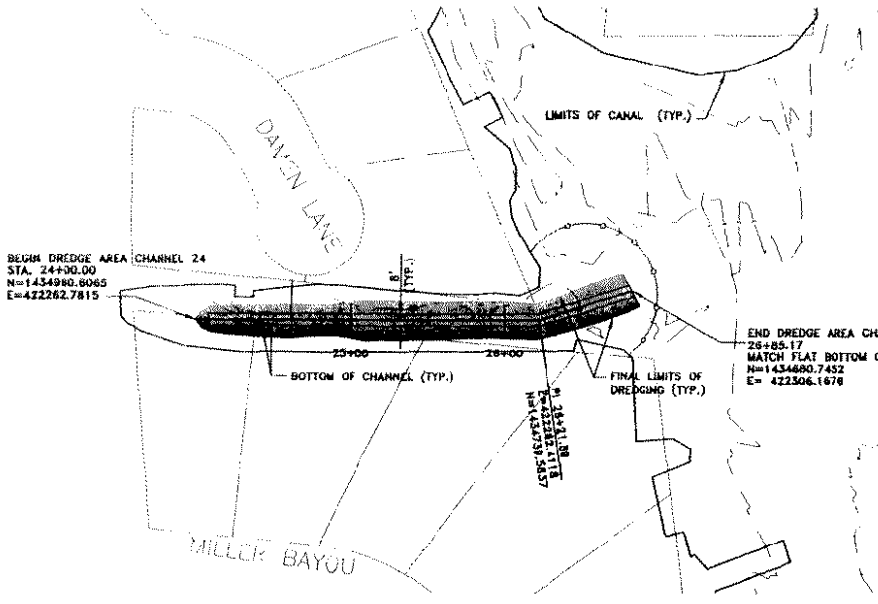
DESIGNER OF RECORD: MARK E. NEEDLER, P.E. FLORIDA REGISTRATION #24448	DATE: May 2007
PROJECT NUMBER: P-1-21/29	

*Wp. 4.26*  
*1/2/08*

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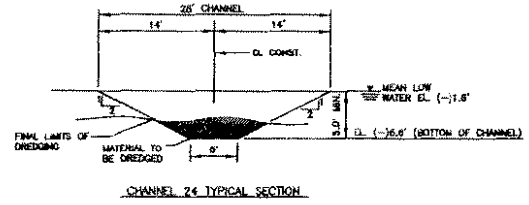


LEGEND	
	PROPOSED DREDGE AREA
	SEAGRASS AREA
	EXISTING BATHYMETRIC SURVEY CONTOURS (NAVD 88)
	TURBIDITY CONTROL DEVICE (REFER TO FDOT RMV 103 FOR MORE INFORMATION)



BEGIN DREDGE AREA CHANNEL 24  
 STA. 24+00.00  
 N=1434980.8065  
 E=422262.7815

END DREDGE AREA CHANNEL 24 STA.  
 28+85.17  
 MATCH FLAT BOTTOM OF CHANNEL 14  
 N=1434690.7452  
 E= 422306.1678



COE APPL# SA3 (DD)-179 (LP MPN)  
 Sheet 22 of 26

CITY OF PORT RICHEY, FL



**THE LPA GROUP**  
 TRANSPORTATION CONSULTANTS  
 4503 WOODLAND CORP. BLVD.  
 SUITE 400 TAMPA, FLORIDA 33614  
 (813) 887-2882  
 CORPORATE OFFICE: PLOUGH 2017

Designer: KJD	Checker: MEK
Licensee: FLI	Project Number: TAB00000

- 1) CHANNEL 24 TOTAL DREDGE AREA = 0.147 AC DREDGE VOLUME = 536 CY
- 2) VERT. DATUM = NAVD88

REV.	DESCRIPTION	DATE	BY

Dredging and Water Quality Enhancement Project  
 Port Richey, Florida

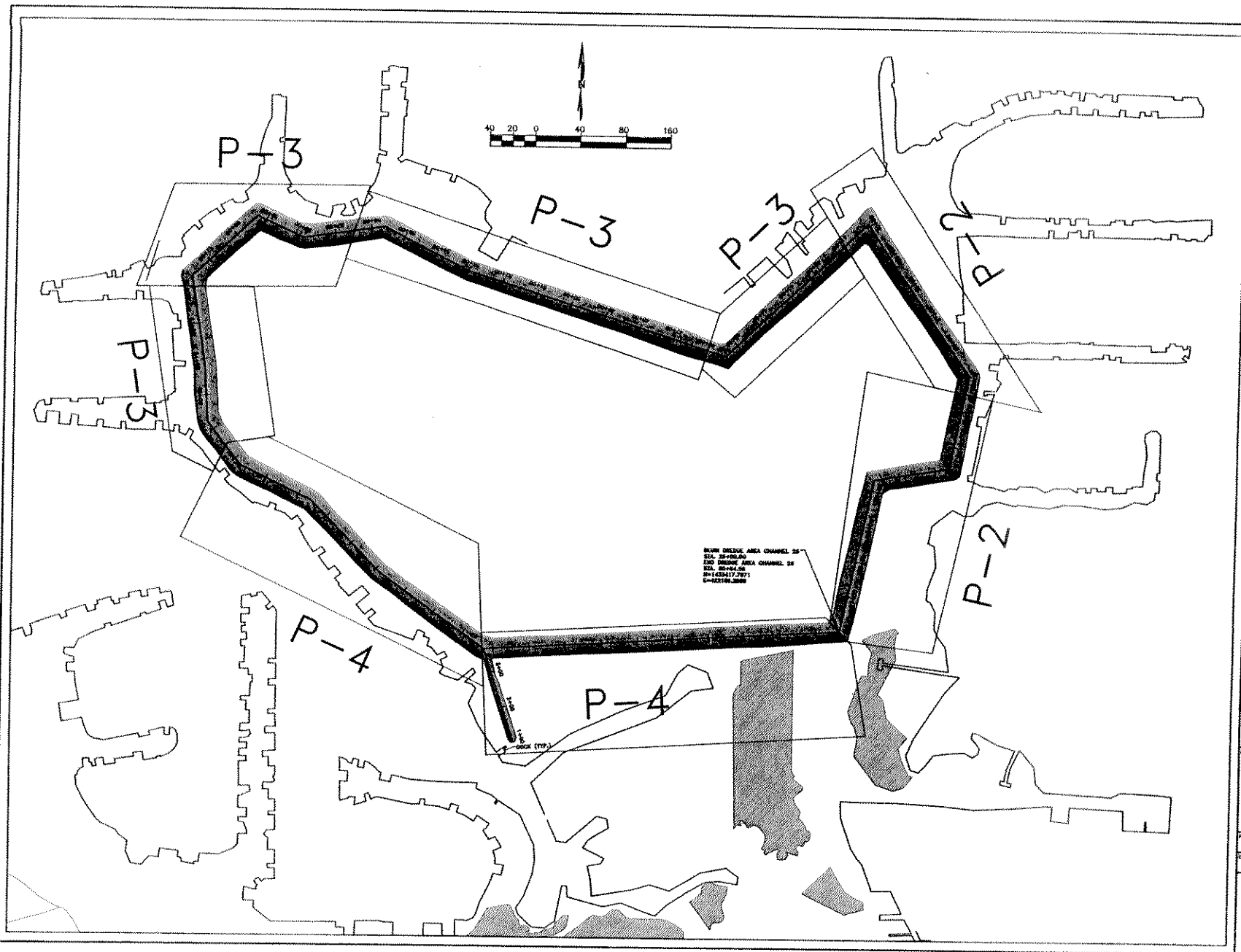
CHANNEL 24  
 PLAN VIEW

CHIEF OF RECORD: MARK E. ZIEGLER, P.E.  
 FLORIDA REGISTRATION #04458

Date: May 2007
Sheet Number: P-1-24

*Mark E. Ziegler*  
 4/18/08

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CITY OF PORT RICHEY, FL



**THE LPA GROUP**  
**TRANSPORTATION CONSULTANTS**  
 4503 WOODLAND CORP. BLVD.  
 SUITE 400, TAMPA, FLORIDA 33614  
 (813) 839-2562  
 CORPORATE LICENSE #00004307

Project: RJD	Checked by: MEK
Location: HI	Project Number: TARBO200

- 1) CHANNEL 6 TOTALS  
 DREDGE AREA = 0.643 AC  
 DREDGE VOLUME = 1562 CY
- 2) VERT. DATUM = MVD88

REVISIONS			
No.	Description	Date	By

Project Name:  
**Dredging and Water Quality Enhancement Project**  
 Port Richey, Florida

Drawing Name:  
**CHANNEL 26 KEY SHEET**

PROJECT NUMBER:  
 DRAWN BY: MARY E. KISTLER, P.E.  
 FLORIDA REGISTRATION #04449

Date: May 2007  
 Scale:  
 Sheet Number: P-1-26

COE APPL# SAJ-2007-1791 (IP-MFN)  
 Sheet 23 of 26

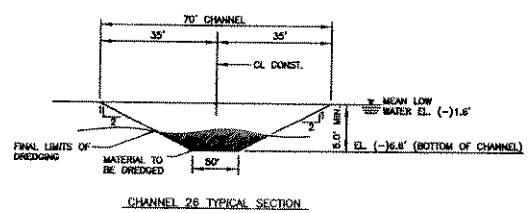
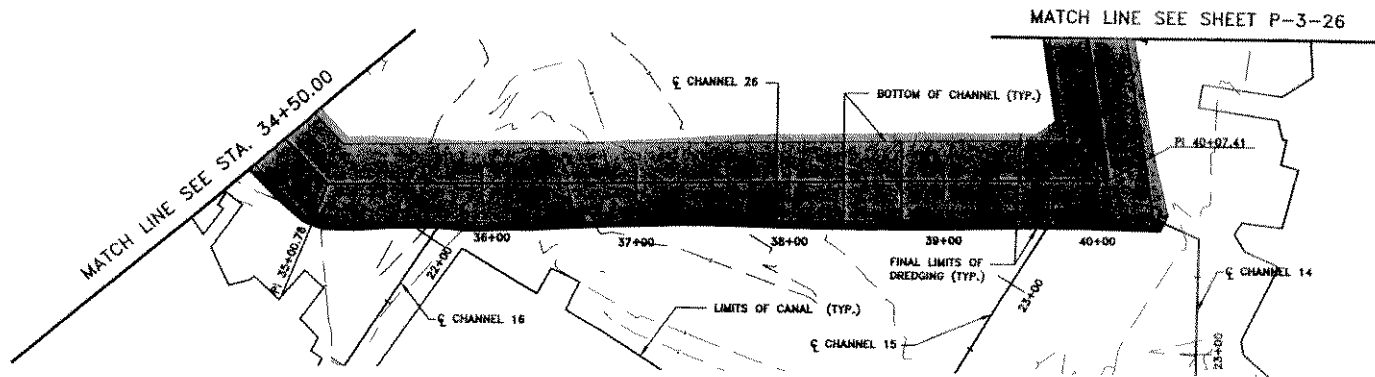
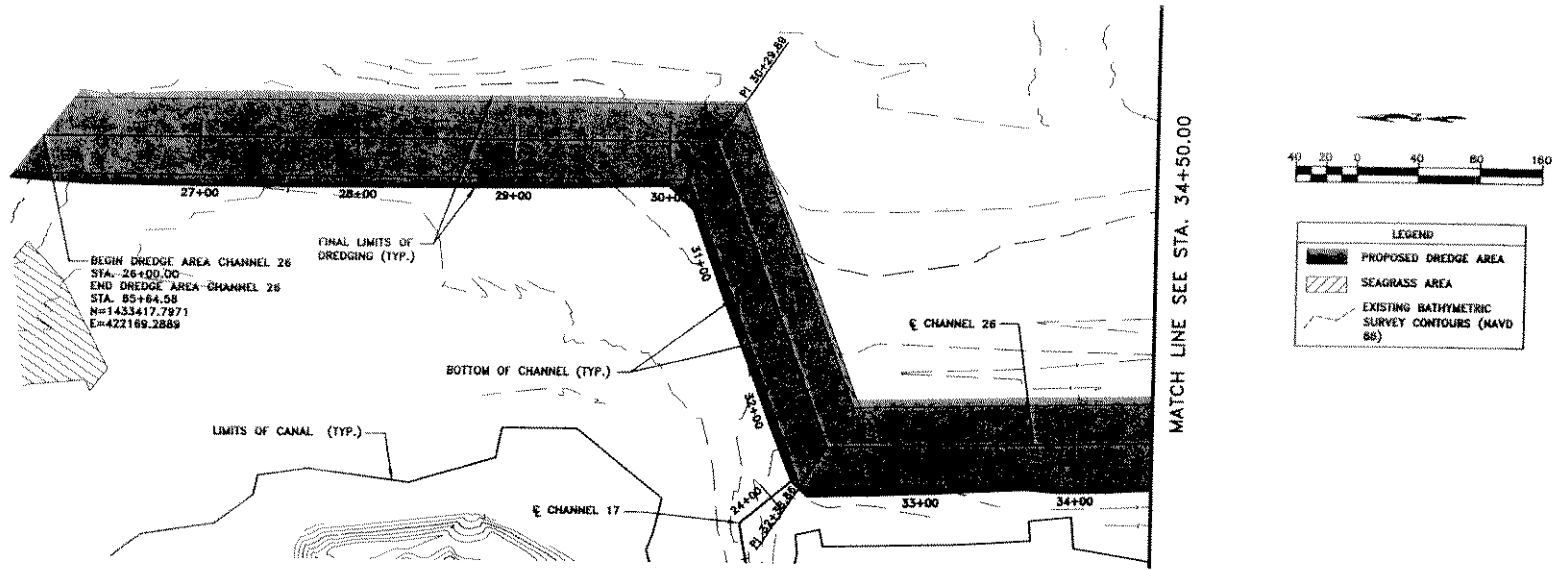
*Mary E. Kistler*  
 1/16/08



**THE LPA GROUP**  
 TRANSPORTATION CONSULTANTS  
 4800 WOODLAND CORP. BLVD.  
 SUITE 400, TAMPA, FLORIDA 33614  
 (813) 889-3882  
 CORPORATE LICENSE #00004307

Prepared by: KAD	Checked by: MEK
Drawn by: HU	Project Number: TA669080

- Notes:  
 1) CHANNEL 6 DETAILS  
 DREDGE AREA = 0.843 AC  
 DREDGE VOLUME = 1,582 CY  
 2) VERT. DATUM = NAVD83



COE APPL# SAJ-2007-1791 (IP-MFN)  
 Sheet 24 of 26

REVISIONS			
No.	Description	Date	By

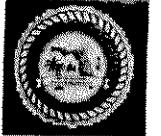
Project Name:  
 Dredging and Water Quality Enhancement Project  
 Port Richey, Florida

Channel Name:  
**CHANNEL 26**  
 PLAN VIEW

PROJECT NUMBER:	
DESIGNER OF RECORD:	MARRI E. KESTLER, P.E. FLORIDA REGISTRATION #04443
Date:	May 2007
Sheet:	
Working Number:	P-2-26

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*Mari E. Kestler*  
 1/12/08



**THE LPA GROUP**  
**TRANSPORTATION CONSULTANTS**  
 4003 WOODLAND CORP. BLVD.  
 SUITE 900, TAMPA, FLORIDA 33614  
 (813) 888-3000  
 CORPORATE LICENSE #00004307

Prepared by:	KJG	Checked by:	MEK
Drawn by:	HJ	Project Number:	TA063020

- Notes:  
 1) CHANNEL 6 TOTALS  
 DREDGE AREA = 0.843 AC  
 DREDGE VOLUME = 1982 CY  
 2) VERT. DATUM = NAVD85

No.	Description	REVISION	Date	By

Project Name:

Dredging and Water Quality Enhancement Project  
 Port Richey, Florida

Drawing Name:

CHANNEL 26  
 PLAN VIEW

PROJECT NUMBER:

OWNER OF RECORD: MARK E. RUSTLER, P.E.  
 FLORIDA REGISTRATION #64444

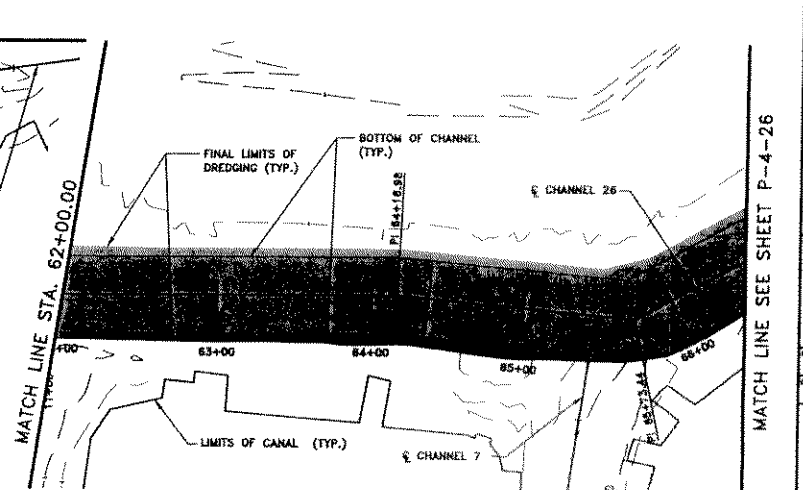
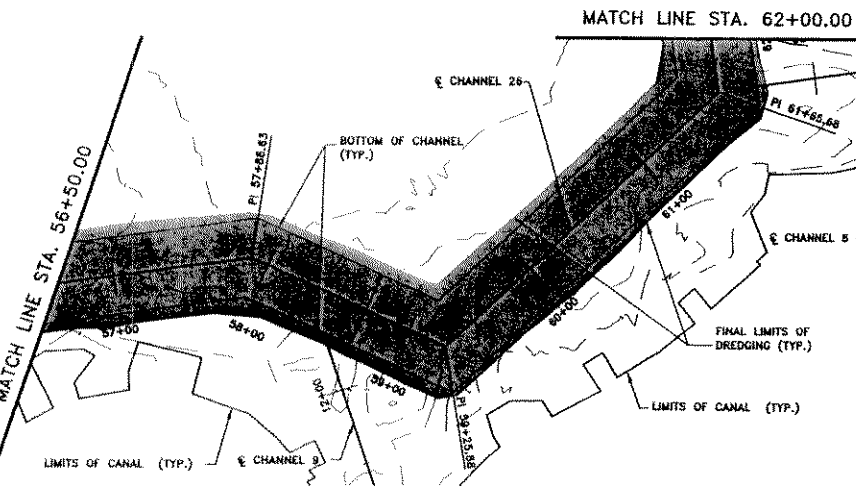
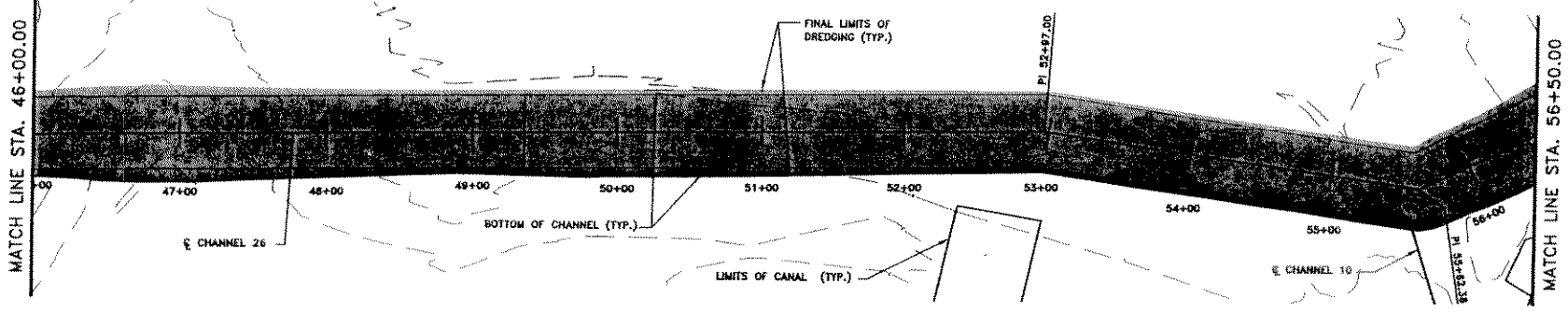
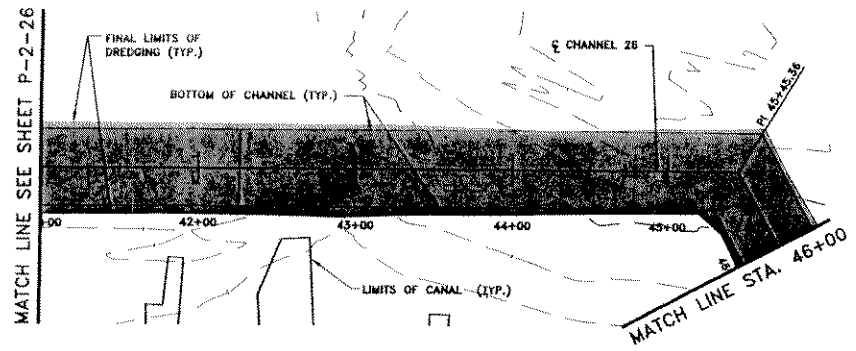
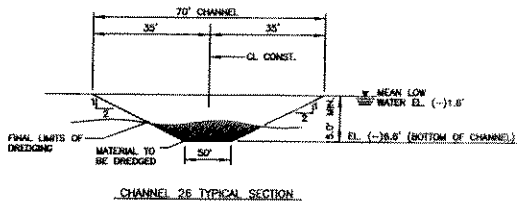
Date: May 2007

Drawing Number: P-3-26



**LEGEND**

- PROPOSED DREDGE AREA
- SEAGRASS AREA
- EXISTING BATHYMETRIC SURVEY CONTOURS (NAVD 85)



*Mark Rustler*  
 4/18/08

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**THE LPA GROUP**  
 TRANSPORTATION CONSULTANTS  
 5402 WOODLAND COVE, BLVD.  
 SUITE 400, TAMPA, FLORIDA 33614  
 (813) 869-3592  
 CORPORATE LICENSE #00004307



LEGEND	
	PROPOSED DREDGE AREA
	SEAGRASS AREA
	EXISTING BATHYMETRIC SURVEY CONTOURS (NAVD 88)

Designed by: RJD	Checked by: MEK
Drawn by: HU	Project Number: 1A653020

- Notes:  
 1) CHANNEL 6 DETAILS  
 DREDGE AREA = 0.843 AC  
 DREDGE VOLUME = 1592 CY  
 2) VERT. DATUM = NAVD88

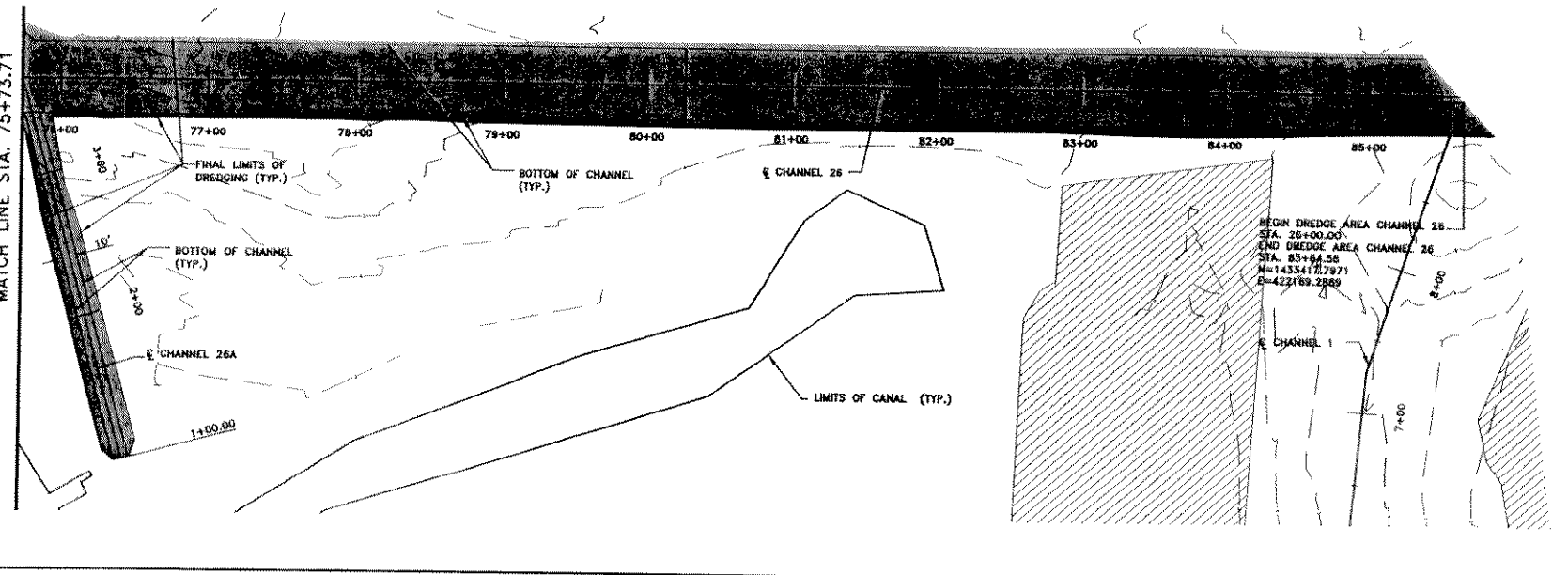
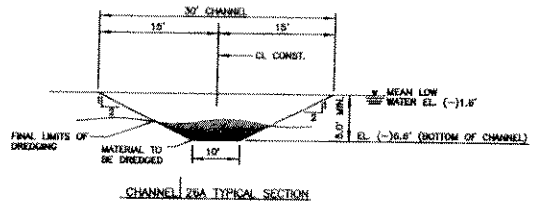
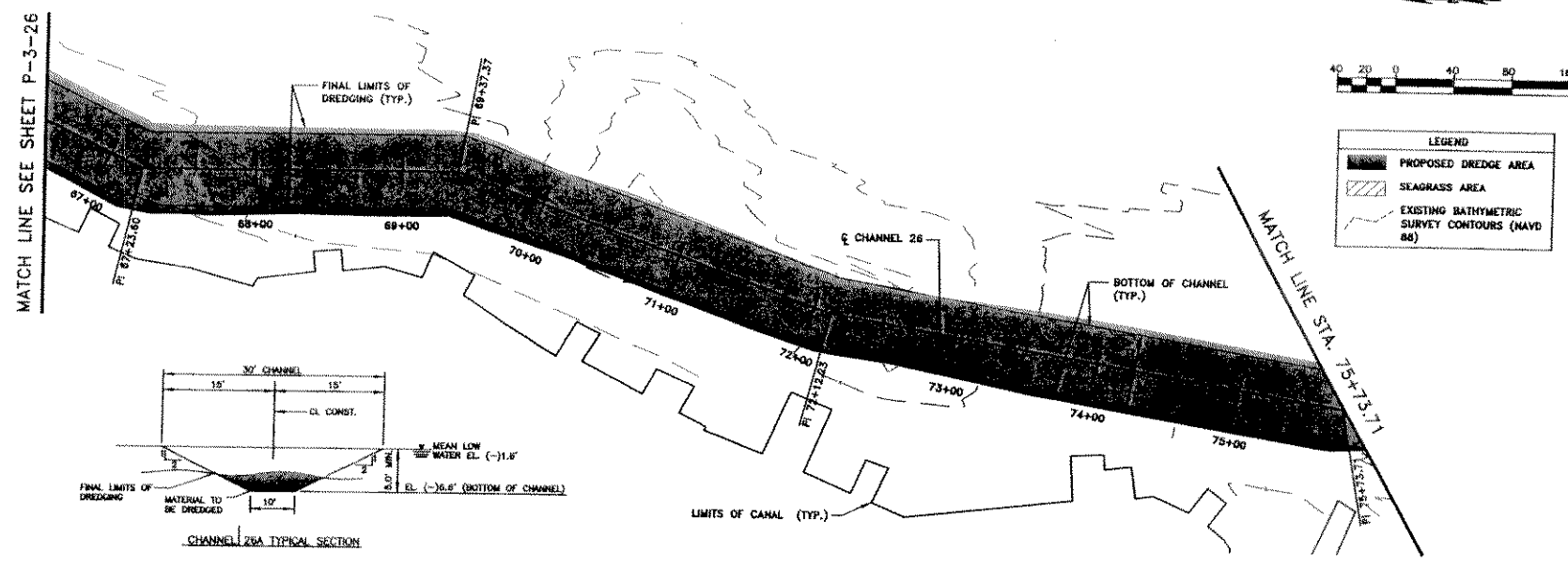
REVISIONS			
No.	Description	Date	By

Project Name:  
 Dredging and Water Quality Enhancement Project  
 Port Richey, Florida

Drawing Name:  
**CHANNEL 26  
 PLAN VIEW**

PROJECT NUMBER:  
 DRAWN BY: BARRY E. KESLER, P.E.  
 FLORIDA REGISTRATION #04414

Date:  
 May 2007  
 Drawing Number:  
 P-4-25



Y:\Projects\Port Richey\Projects\1A653017 Dredging Project\2007 Info\CHANNEL 26\26\_Plan.dwg November 20 2007 11:08

*Handwritten signature and date:*  
 1/18/08

## STANDARD MANATEE CONDITIONS FOR IN-WATER WORK

July 2005

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 FWC Hotline at 1-888-404-FWCC. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-232-2580) for north Florida or Vero Beach (1-561-562-3909) for south Florida.
- 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. Awareness signs that have already been approved for this use by the Florida Fish and Wildlife Conservation Commission (FWC) must be used. One sign measuring at least 3 ft. by 4 ft. which reads *Caution: Manatee Area* must be posted. A second sign measuring at least 8 1/2" by 11" explaining the requirements for "Idle Speed/No Wake" and the shutdown of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities.

**FWC Approved Manatee Educational Sign Suppliers**

**ASAP Signs & Designs**

624-B Pinellas Street  
Clearwater, FL 33756  
Phone: (727) 443-4878  
Fax: (727) 442-7573

**Wilderness Graphics, Inc.**

P. O. Box 1635  
Tallahassee, FL 32302  
Phone: (850) 224-6414  
Fax: (850) 561-3943  
[www.wildernessgraphics.com](http://www.wildernessgraphics.com)

**Cape Coral Signs & Designs**

1311 Del Prado Boulevard  
Cape Coral, FL 33990  
Phone: (239) 772-9992  
Fax: (239) 772-3848

**Municipal Supply & Sign Co.**

1095 Fifth Avenue, North  
P. O. Box 1765  
Naples, FL 33939-1765  
Phone: (800) 329-5366 or  
(239) 262-4639  
Fax: (239) 262-4645  
[www.municipalsigns.com](http://www.municipalsigns.com)

**Vital Signs**

104615 Overseas Highway  
Key Largo, FL 33037  
Phone: (305) 451-5133  
Fax: (305) 451-5163

**Universal Signs & Accessories**

2912 Orange Avenue  
Ft. Pierce, FL 34947  
Phone: (800) 432-0331 or  
(772) 461-0665  
Fax: (772) 461-0669

**New City Signs**

1829 28<sup>th</sup> Street North  
St. Petersburg, FL 33713  
Phone: (727) 323-7897  
Fax: (727) 323-1897

**United Rentals Highway  
Technologies**

309 Angle Road  
Ft. Pierce, FL 34947  
Phone: (772) 489-8772  
or (800) 489-8758 (FL only)  
Fax: (772) 489-8757

# 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 or injury to:

**1-888-404-FWCC** (1-888-404-3922)

Florida Fish and Wildlife Conservation Commission



UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
NATIONAL MARINE FISHERIES SERVICE  
Southeast Regional Office  
263 13th Avenue South  
St. Petersburg, FL 33701

## SEA TURTLE AND SMALLTOOTH SAWFISH CONSTRUCTION CONDITIONS

The permittee shall comply with the following protected species construction conditions:

- a. The permittee shall instruct all personnel associated with the project of the potential presence of these species and the need to avoid collisions with sea turtles and smalltooth sawfish. All construction personnel are responsible for observing water-related activities for the presence of these species.
- b. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing sea turtles or smalltooth sawfish, which are protected under the Endangered Species Act of 1973.
- c. Siltation barriers shall be made of material in which a sea turtle or smalltooth sawfish cannot become entangled, be properly secured, and be regularly monitored to avoid protected species entrapment. Barriers may not block sea turtle or smalltooth sawfish entry to or exit from designated critical habitat without prior agreement from the National Marine Fisheries Service's Protected Resources Division, St. Petersburg, Florida.
- d. All vessels associated with the construction project shall operate at "no wake/idle" speeds at all times while in the construction area and while in water depths where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will preferentially follow deep-water routes (e.g., marked channels) whenever possible.
- e. If a sea turtle or smalltooth sawfish is seen within 100 yards of the active daily construction/dredging operation or vessel movement, all appropriate precautions shall be implemented to ensure its protection. These precautions shall include cessation of operation of any moving equipment closer than 50 feet of a sea turtle or smalltooth sawfish. Operation of any mechanical construction equipment shall cease immediately if a sea turtle or smalltooth sawfish is seen within a 50-ft radius of the equipment. Activities may not resume until the protected species has departed the project area of its own volition.
- f. Any collision with and/or injury to a sea turtle or smalltooth sawfish shall be reported immediately to the National Marine Fisheries Service's Protected Resources Division (727-824-5312) and the local authorized sea turtle stranding/rescue organization.
- g. Any special construction conditions, required of your specific project, outside these general conditions, if applicable, will be addressed in the primary consultation.

Revised: March 23, 2006

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